

NORTH CAROLINA 911 BOARD MEETING
Friday, October 19, 2018
3514 Bush Street
Raleigh, North Carolina

10:00 AM – 12:00 PM

Call to Order

David Bone

Roll Call

Pokey Harris

Tab 1

Vice Chairman's Opening Remarks

David Bone

Tab 2
Ethics Awarness/Conflict of Interest Statement
David Bone

In accordance with G.S. 138A-15, It is the duty of every Board member to avoid both conflicts of interest and potential conflicts of interest. Does any Board member have any known conflict of interest or potential conflict of interest with respect to any matters coming before the Board today? If so, please identify the actual or potential conflict and refrain from any undue participation in the particular matter involved.

Tab 3
Public Comment
David Bone

The NC 911 Board welcomes comments from state and local government officials, first responders, finance directors, 911 directors, citizens and interested parties about any 911 issue(s) or concern(s). Your opinions are valued in terms of providing input to the NC 911 Board members. When addressing the Board, please state your name and organization for the record and speak clearly into the microphone.

Speakers:

Tab 4

Consent Agenda

Pokey Harris

(Consent Vote Required)

4 a)

Minutes of Meeting
July 27, 2018
September 27, 2018

North Carolina 911 Board Meeting
MINUTES
Friday, July 27, 2018
10:00am- 12:00pm
Crystal Coast Civic Center
3505 Arendell Street Morehead City, NC

Members Present	**Staff Present**	**Guests**
Secretary Eric Boyette (NC CIO) Board Chair	LaDonna Bethea (DIT)	Jason Barbour (Johnston County 911)
David Bone (NCACC) Martin County	Tina Bone (DIT)	Phil Penny - Mission Critical Partners
Heather Campbell (CMRS) Sprint	Richard Bradford (DOJ)	Brandy Osbourne (Carteret County 911)
Chuck Greene (LEC) AT&T	Ronnie Cashwell (DIT)	Stephen Rea (Carteret County 911)
Len Hagaman (Sheriff) Watauga County	Pokey Harris (DIT)	Ed Harr (Motorola Solutions)
Jeff Shipp (LEC) Star Telephone	Danette Jernigan (DIT)	Will Caputo (Beaufort County 911)
Jimmy Stewart (NCAREMS) Hoke Co 911	Gerry Means (DIT)	Victor Williams (Beaufort County 911)
Slayton Stewart (CMRS) Carolina West Wireless	Don Rice (DIT)	Chad Deese (Robeson County 911)
Amy Ward (LEC) CenturyLink	Marsha Tapler (DIT)	Dominick Nutter (Raleigh-Wake 911)
Donna Wright (NENA) Richmond Co Em. Services		Jamison Sears (Davidson County 911)
		Barry Ritter (Ritter Strategic Services)
Members on Phone	**Staff Absent**	Melanie Neal (Guilford County 911)
Jeff Ledford (NCACP) City of Shelby PD	Nikki Barnes (DIT)	Kenni Brooks (Charlotte Mecklenburg Police Department)
Mike Reitz (APCO) Chatham Co 911		Greg Foster (Alexander County)
		Frith Malin (Ritter Strategic Services)
Members Absent		
Eric Cramer (LEC) Wilkes Communication		
Andrew Grant (NCLM) Town of Cornelius		
Niraj Patel (CMRS) Verizon		
John Moore (VoIP) Spectrum Communications		

Call to Order - Chairman Boyette called the meeting to order at 10:02 PM.

Welcome - Stephen Ray, Director of Emergency Services for Carteret County, welcomed the Board to the County on behalf of Tommy Burns, County Manager and the County Commissioners. Executive Director Pokey Harris thanked Stephen for his assistance in finding last minute lodging re-accommodations for the 911 Board Staff on their arrival in Morehead City.

Roll Call - Mrs. Harris conducted the roll call during which time she also acknowledged the addition of Don Rice to the staff assisting Ronnie, and LaDonna Bethea as the Board Administrative Support.

1. Chairman's Opening Remarks - Chairman Boyette apologized for missing the last few Board meetings. He noted it has been a very busy couple of months for him. He mentioned a lot of work was done and he wanted to thank the staff. He commented that we have a great staff and a lot of dedicated people here that get a lot done, and will continue to move forward. He further stated there are a lot of great ideas that will be seen coming from the staff that will bring about some changes. He shared his excitement for the future with the work to be accomplished.

2. Ethics Awareness/Conflict of Interest Statement - Chairman Boyette read the Ethics Awareness/Conflict of interest statement printed in the agenda. There were no conflicts.

3. Public Comment - Chairman Boyette read the invitation to public comment printed in the agenda. Melanie Neal, Guilford Metro 911/ APCO President, took the opportunity to thank the Board and staff for the statewide PSAP meetings held during the month of July. Ms. Neal noted the knowledge and information passed on were invaluable, indicating emails do not convey that appropriately sometimes. She stated seeing people face to face makes a difference in being comfortable contacting Board staff and it is extremely important to continue this. Chairman Boyette agreed with Ms. Neal and stated that this will continue.

4. Consent Agenda - Chairman Boyette asked Mrs. Harris to proceed with the consent agenda. Mrs. Harris reported no comments or corrections were requested to the June 2018 draft minutes. The minutes were accepted as presented.

(Complete Reports Located in Agenda Book on Web Site)

a) Minutes of June 22, 2018, Meeting

b) NG911 Fund Balance $ 23,982,041.12
1) NG911 Fund Disbursements ($ 25,584.00)

c) PSAP Fund Balance $ 15,115,621.09
1) Prepaid CMRS Revenue $920,263.59

d) CMRS Fund Balance $6,246,558.26
1) CMRS Disbursements $(503,880.79)

e) Grant Fund Balance $4,534,172.92
1) Grant Fund Encumbered $(25,494,668.02)

f) Grant Project Updates – Per Attached Reports
MCP is the project management firm for a large portion of the projects and a representative was present should anyone have questions.

Mr. Jeff Shipp made the motion to approve the Consent Agenda as presented, Donna Wright seconded the motion, and it carried unanimously.

5. Executive Director Report

a) State 911 Plan Status – Mrs. Harris noted that the process for 911 State Plan development is moving briskly forward. The firm selected to facilitate this process, Ritter Strategic Services, presented later in the agenda.

b) Grant Review Status – Mrs. Harris advised that Slayton Stewart would present later in the agenda in anticipation of grant reviews and award.

c) Staffing Update -Two staff members, Don Rice and LaDonna Bethea came on board as contractors. Mrs. Harris stated that she is working with HR on refining the 911 Regional Coordinator position to get it posted and filled as soon as possible. This is to backfill

the currently vacant position. Review of the description and posting for the two new regional positions will take place in the near future. Ms. Harris reported that Ms. Nicki Barnes, Financial Review Specialist, is on leave for an underdetermined time and a part time position has been approved by HR to fill this vacancy until she returns.

d) PSAP Managers Meetings Update - Mrs. Harris thanked Mrs. Neal for her previous comments. This series of meetings, dubbed the "Vision Tour," were very successful. Over 142 representatives from the PSAPs across the state and approximately 82 different jurisdictions were represented. Once the cost of the statewide PSAP meetings is calculated, it is anticipated this will prove to be an excellent return on investment.

e) Lincoln County June 2018 Ground Breaking – Mrs. Harris thanked Phillip Penny for sending pictures provided for view. This is another successful grant in the works.

f) Rowan County 911 PSAP Tour - Mrs. Harris reported that after the meeting in Salisbury, she and some of the staff toured the Rowan County 911 Center. The PSAP staff, operations, and their facility are impressive. Mrs. Harris also advised that Director Alan Cress has been appointed to serve on the Funding Committee.

g) Recognition of Tammy Dyles, City of High Point 911 – Mrs. Dyles was recognized for her 34 years of dedicated service to 911 and her impending retirement. She was presented with a plaque at the Regional PSAP Managers meeting held in Salisbury early this month.

h) Legislative Matters – Mr. Bradford reported that the good news is the short special session had nothing to do with the 911. He noted that everyone should have received a message from Mrs. Harris about Congressman Collins' bill which is the 911 Fee Integrity Act. The bill has been referred to the House Committee on Energy and Commerce. The text of the bill will probably prompt some concern in the PSAP community because it will set up another preemption over state law. The Board will be monitoring its movement. The intent of the bill is to stop states from raiding 911 funds. In New York where Congressman Collins is from, they are seeing as much as 41% of their 911 fees diverted for other uses. The bill does require that the FCC consult with State and Local government, tribal communities and so forth.

Mrs. Harris informed the Board that she received an email about the police telecommuter training related legislation. There were two bills in the short session, one in the House and one in the Senate, both about TC training. Each chamber passed their bill, referred it to the other chamber and upon receipt was referred to the rules committee for that chamber and that is where it ended for the session. It is expected that this will come up again. The language in the two bills is the same.

6. Grant Committee Report – Mr. Stewart reported that 8 grant applications were received, and the committee is in the process of reviewing them. The Grant Committee is meeting August 3 to discuss as a group and bring forth recommendations for approval at the next Board meeting in September. The Committee had suggested that a PSAP representative be added to the committee and Mrs. Harris worked with APCO/NENA for such recommendation. Representation will be provided by Brett Renfro from Johnston County. Brett brings many years of experience as a supervisor and an educator. The Committee is excited to have Brett on the team and thanked him for agreeing to serve. The question was raised on who the grant applicants were. That information was not readily available as the review process had not commenced. Heather Campbell commented that they are excited to have Mr. Renfro on board

to answer a lot of questions as they review the grants. This will give the Committee the opportunity to answer as much as possible during the review process without having to defer questions, causing the cycle to be extended. Mrs. Harris thanked Ms. Campbell for revamping the grant matrix and making it more user friendly.

7. Funding Committee Report – Mr. Bone reported that there is not a Funding Committee report today. There was no Committee Meeting held due to the statewide meetings.

8. Education Committee Report

a) TC Certification Stakeholder Summit - Mr. Stewart reported the second Telecommunicator Training Certification Summit will be held in Greensboro on July 31. The working group will meet again after that to compile findings to further conduct reviews and collaborative meetings. The Committee this second summit will prove to be as beneficial as the first. Mrs. Harris stated that Jameson Peevyhouse, President of NENA, will be present to help facilitate that meeting. Mr. Peevyhouse has been very involved with education on a national level even doing work with the National 911 office regarding minimum training standards for telecommunicators, as well as working on curriculum in the state of Tennessee where he is the state Training and Education Coordinator for the State 911 office. Hopefully his schedule allows him to remain engaged in our project.

b) General Report - Mr. Stewart also advised the approved class list was reposted on the 911 Board website until after the summit to then begin another review to update the list. Some items are getting vague and others do not fit the statute according to Mr. Bradford.

9. Technology Committee Report - Mr. Shipp stated that he had the opportunity to attend three of the PSAP regional meetings and wanted to note that Gerry Means and the staff are doing a great job. Mr. Shipp shared his excitement with the energy involved in this project. He informed the Board that over half the PSAPs are signed up now, approximately 64.

a) ESINet Deployment Update – Mr. Means reiterated the halfway point has been reached in terms of PSAPs that have raised their hands and committed to migrating to the ESInet. He noted that regional meetings have been getting to the "nitty gritty" on what questions the PSAPs have and how the Board can help them think about their cooperative ability to come on to the network as a group, and what benefits that might bring. As an example, in the last two weeks, a meeting was held with Franklin, Vance, Nash and Granville, resulting in a decision for them to come on the ESInet and also participate in the hosted call handling solution. This is an example of a great regional approach to migrating to NextGen. Several more of these regional meetings are scheduled. Mr. Means thanked Tina Bone for her efforts in coordinating these "mini" regional meetings across the state. These are unscripted meetings and that tend to get a lot of questions that otherwise might not be raised. The project schedule for implementation is booked through March 2019 with the focus now on April and May of 2019. The objective is by mid 2019 for a PSAP migration (cut) to take place every week. AT&T is coordinating staffing resources to accommodate that level of productivity. An area that has been identified in which there needs to be attention is the interval for circuit orders to be processed. Focus is on ensuring there is enough lead time for circuits. There is also a need to identify the individual(s) for coordination of the last mile connectivity and issues with the various LECs. In some areas this is becoming problematic. Regular discussions continue with Durham 911 as they are preparing for their cut in September. They have begun configuration on the Viper and developing the interfaces for their desktop displays. The system is live in a production environment with them tweaking it as they progress toward the actual cut. Everyone is pleased with the progress thus far. Conversation was held with Amy Ward of CenturyLink to assist with coordinating with their staff to obtain necessary network information

required for each PSAP migration in which they are a CenturyLink customer. Most of the first sites are in CenturyLink territory and a better process needs to be implemented for securing this information.

b) GIS Update – Mr. Means reported that the vendor evaluation process continues with the team at the point it is close to making a recommendation. The team is working on a BAFO to begin conversation for pricing to then make the award. The goal is to have this contract awarded to concurrently be working toward standing up the NMAC. Mr. Shipp noted future meetings will be held with the PSAPs and local GIS folks as this part of the project is introduced. Mrs. Harris noted this will be accomplished just as the ESInet roadshow that was conducted last fall. A GIS roadshow will be conducted, having the selected vendor attend to discuss the workflow, processes, data validation, and anticipated expectations. It is also anticipated that "mini" regional meetings will be held just as being done for the ESInet and call handling solution. With so much invested in this project, the momentum has to be maintained. This format will prove successful for engaging the PSAPs. Mr. Bone inquired as to the number of vendors that responded to the bid, how many had the selection been narrowed to, and when the award recommendation will be made. Mr. Bradford advised at this time the entire question could not be answered. Mr. Means did advise there were six (6) vendors that responded to the RFP and it is hopeful that a recommendation can be made within 30 to 45 days. Mr. Means made further comment that critical criteria for the vendor will be the ability for the locality (local GIS coordinators) to maintain their data the way they have maintained their data. Regardless of the format, their data can be uploaded and reconfigured. The reconciliation phase will allow the identifying of errors within the data. This allows the locality to get a better dataset to give them overall improvement in the GIS data. This is a critical component of their functionality. Mrs. Harris noted that Tim Johnson with CGIA attended the recent PSAP managers series discussing their role and partnership on the GIS component.

c) NMAC – Mr. Means also reported about the NMAC. Space for the center has been identified at 3700 Wake Forest Road at DIT, along with the associated cost. Drawings and space allocations have been created. It is anticipated the buildout will be completed maybe in September and the process of upfitting with equipment will begin. Mr. Means noted he has reached out to the PSAP community for input on designing the ergonomics of the NMAC so that it will be highly functional. The NMAC Manager position has been approved through DIT HR but now requires approval of the Office of State Personnel. AT&T is providing access to their network as PSAPs come online so monitoring can ensue. It is critical to create the infrastructure for the monitoring center to accomplish this at the NMAC.

Mr. Shipp offered comment at this time to encourage everyone to be engaged in the 911 State Plan project as it will be a good supporting piece of documentation for the NextGen project and future federal funding opportunities.

10. Standards Committee Report – Donna Wright noted that the group had not met in a while, but they will be meeting with the Technology Committee soon. Mrs. Wright requested names for Peer Reviewers and reported that five (5) reviewers volunteered over the course of the PSAP Managers meetings. A suggestion was made to review the rules of the Peer Reviewers to allow for retired PSAP Managers to still serve in this capacity.

11. Finance Team Report – Marsha Tapler reported that meetings were held with several PSAP Managers over the past few weeks. This allowed finalization of FY2017 reports for 13 PSAPs and get FY2018 done for some. Ms. Tapler stated that she believes this is a step in the right direction by taking away the stigma about the Finance Team. Seven (7) additional meetings are set up for WebEx in the next few weeks and the Central region will be rescheduled soon. Several PSAPs have offered to host work sessions to complete their reports and others. A few PSAPs were assisted with their reconsideration request and answers were given for other eligibility questions. Mr. Bone stated that this

has been a fantastic idea by getting out and giving the PSAPs undivided attention. Mr. Bone also noted that it makes work for the Funding Committee easier as well. Mr. Shipp noted that he was very impressed with the comments from the PSAP Managers on the work of the Finance team. Mr. Means added that the CRM project is at the stage where licensing has been secured and a developer is being hired. The CRM will be a web interface to allow the PSAPs to see their historical data for trending analysis and so forth. Chairman Boyette instructed Mr. Means to touch base with him on some resources available to save money on this project. Mrs. Wright commented that with the PSAP Manager manager's meeting and the financial meetings, there is such a dynamic shift happening that is growing in a way that was not expected. They are now energized with a two-way conversation unlike anything ever seen. The attendees were ready to ask questions and throw ideas out as a collective group. Chairman Boyette noted that the participation level is greatly growing. Mrs. Campbell commented on the excitement she witnessed hearing the staff talk about how much they enjoyed the financial conversations. Chairman Boyette noted this takes a lot of pressure off staff as they are trying to do the right thing to help the PSAPs and he did not feel like that is what was being portrayed. The face to face meetings will help everyone understand the intent. Chairman Boyette thanked the staff for making sure that things are changing in a positive direction.

12. Network Analyst Report – Mrs. Bone reported that she received five applications for peer reviewers that she will work on getting these before the Committee and the Board by the end of August. Ms. Bone also noted that she is working with others to get them ready for the reviews. She stated that PSAPs are not as worried about the reviews as they were in the beginning now that they are talking about it with their peers. They now understand it is not a pass or fail and staff are glad to help them get address deficiencies. Ms. Bone reported that she is setting up NextGen "mini" regional meetings with 4 to 5 PSAPs so that it can be an intimate meeting to share information. Mrs. Harris stated that Ms. Bone has really picked up a heavy workload coordinating this and thanked her for doing so. Chairman Boyette shared a conversation from his visit in Franklin County when a telecommunicator shared that she was afraid there would be two-way communication and the person calling in would be able to see her and she was concerned. Chairman Boyette encouraged that we not only talk about the "why" but also the "what." With change, there is a lot of doubts and questions. If we can replace that doubt with facts, that will help.

13. Davidson County 911 Ransom Attack – Jamison Sears presented to the Board about the ransom attack that impacted Davidson County 911. Mrs. Harris thanked Jamison for traveling the state to present to the PSAP managers during the July meeting series. She reported how the presentation opened communications amongst the managers to assess their plan and how they can improve it. At least 10 have contacted Mrs. Spears for samples of her PSAP emergency preparedness kit. Mrs. Harris noted that there is no way to guarantee 100% that our systems will never go down, we just need to be prepared in a manual setting. This topic will continue to be discussed as well as policies and procedures to help with PSAP security. Chairman Boyette noted that DIT is working with counties when these things happen to make sure that they know there are resources available. National Guardsmen with cyber backgrounds as well as other resources at DIT are available to assist during such events. Secretary Boyette also noted DIT is doing more outreach to help educate the counties about the assistance that is available. He noted the more we work together as a team, the better we are as a state.

14. North Carolina 911 State Plan – Barry Ritter, of Ritter Strategic Services who has been retained by the Board to update the state 911 Plan for North Carolina, presented to the Board. He also Frith Malin who was in attendance. She will be doing a part of the heavy lifting on the drafting of the plan. Both Mr. Ritter and Ms. Malin have extensive backgrounds as state administrators, working in public safety and PSAP Managers. The state plan adopted in 2010 is being benchmarked to note finding and recommendations and how they will be bridged into the 2018 plan presented to the board with goals and suggestions. The board has provided names for a study group to participate in this plan.

The Ritter team will be facilitating the Stakeholder meetings. The kickoff for the study group has been scheduled. Key goals to be incorporated into the plan will be identified during these work sessions.

After Mr. Ritter presented, general discussion ensued about the plan. Mrs. Harris noted that she would like to see all PSAPs on the ESInet and the hosted call handling solution. She polled the group for suggestions to incorporate into the plan, with the following being offered for consideration:

EMD
Text to 911
Define and provide consistent level of 911 service statewide.
Craft legislation for upcoming session.
Consider several devices able to access 911 and the associated fee for these.
Consider how fees mechanism for reviewing expenditures.
Components of QA currently not allowable expenditures.
Establish synergy and incorporate EM into Plan.
Encourage collaboration rather than consolidation where more appropriate.
Be mindful that bricks and mortar no longer define us.

15. Other Items - Mrs. Harris mentioned several miscellaneous items.

As previously mentioned in the legislative report, information was sent to all about the HB6424, 911 Fee Integrity Act. This bill needs to be given attention as it may be picking up some momentum. NC does a fabulous job at ensuring our funds are extended and our eligibility is looked at.

Partnership with the SWIC, Greg Hauser was referenced again.

Shirts with the DIT/Board logo will be provided to the staff and Board. Mr. Bone encouraged to have these available by the upcoming conference in Cherokee.

Mrs. Wright noted that the interim call hosted solution that Richmond County implemented is working great.

Mr. Stewart introduced Greg Foster who will be replacing him on the Board in January. Greg is the Communications Director in Alexander County.

Secretary Boyette posed the question to the audience if we are going in the right direction, and one person spoke to the idea of regional collaboration being essential.

Meeting adjournment at 11:53 AM with a reminder of the next Board meeting planned for September 12 in conjunction with the APCO/NENA conference in Cherokee.

DRAFT

MINUTES

NORTH CAROLINA 911 BOARD TELECONFERENCE

September 27, 2018
10:00am
Phillips Building – Raleigh, NC

Members Present via Telephone

David Bone
Eric Boyette
Heather Campbell
Chuck Greene
Bo Ferguson
John Moore
Jeff Shipp
Jimmy Stewart
Donna Wright

Staff Present

LaDonna Bethea
Tina Bone
Richard Bradford
Ronnie Cashwell
Pokey Harris
Danette Jernigan
Marsha Tapler

Members Not Present

Eric Cramer
Len Hagaman
Jeff Ledford
Naraj Patel
Mike Reitz
Slayton Stewart
Amy Ward

Staff Not Present

Niki Barnes
Gerry Means

Chairman Boyette called the meeting to order at 10:02 AM.

Pokey Harris conducted roll call.

1. Chairman's Opening Remarks

Chairman Boyette opened the meeting/call advising there is only the one agenda item today.

2. Ethics Awareness/Conflict of Interest Statement/Public Comment

Chairman Boyette followed the opening remarks by reading the Ethics Awareness and Conflict of Interest Statement.

3. Funding Committee – Approval of Funds Transfer to PSAP Grant

David Bone advised that the Funding Committee had met via conference call on September 7, 2018, to approve the transfer of funding. The Funding Committee approved to transfer from the PSAP Fund $18,045,136 and from the CMRS Fund $3,000,000 for a total of $21,045.36 to the Grant Fund. As a recommendation of the Funding Committee, the Board unanimously approved the transfer of $21,045.36 to the Grant Fund.

Adjournment at 10:13 AM.

DRAFT

4 b – e)

b) **NG911 Fund Balance**

August - $25,528,568 **September $26,309,185**

NG911 Fund Disbursements

August – ($10,496) **September ($14,521)**

c) **PSAP Fund Balance**

August - $18,994,575 **September $2,884,681**

Prepaid CMRS Revenue

August - $998,012 **September $1,045,454**

d) **CMRS Fund Balance**

August - $ 7,406,298 **September $4,611,027**

CMRS Disbursements

August - $0 **September ($403,322)**

e) **Grant Fund Balance**

August - $4,613,000 **September $25,697,502**

Grant Fund Encumbered

August – ($23,778,980) **September ($23,046,300)**

NG 911 FUND	Revenue 10%	Interest	Grant Fund Transfer	NG 911 Disbursement	NG 911 Fund Balance	
Beginning Fund Balance:					**$ 23,982,041.12**	
July 2018	$ 742,198.28	$ 31,728.53		$ (20,521.77)	24,735,446.16	
August 2018	770,273.57	33,344.74		(10,496.00)	25,528,568.47	**
September 2018						
October 2018						
November 2018						
December 2018						
January 2019						
February 2019						
March 2019						
April 2019						
May 2019						
June 2019						

**Report not certified through OSC

NG 911 FUND	Revenue 10%	Interest	Grant Fund Transfer	NG 911 Disbursement	NG 911 Fund Balance
Beginning Fund Balance:					$ 23,982,041.12
July 2018	$ 742,198.28	$ 31,728.53		$ (20,521.77)	24,735,446.16
August 2018	770,273.57	33,344.74		(10,496.00)	25,528,568.47
September 2018	759,742.49	35,395.85		(14,521.50)	26,309,185.31
October 2018					
November 2018					
December 2018					
January 2019					
February 2019					
March 2019					
April 2019					
May 2019					
June 2019					

	Revenue						GRANT Allocation Transfer-out	Monthly Expenditure	Fund Balance	
PSAP FUND	**PSAP 85%**	**Wireline**	**VOIP**	**Prepaid Wireless**	**Interest**	**Total**			**$ 15,115,621.09**	
July 2018	$ 3,170,987.91	$ 781,929.85	$ 968,260.32	$ 1,132,222.27	$ 19,998.15	$ 6,073,398.50		$ (4,235,116.50)	16,953,903.09	
August 2018	3,301,984.25	922,998.00	1,057,440.06	998,011.93	22,854.79	$ 6,303,289.03		(4,262,617.06)	18,994,575.06	**
September 2018										
October 2018										
November 2018										
December 2018										
January 2019										
February 2019										
March 2019										
April 2019										
May 2019										
June 2019										

**Report not certified through OSC

	Revenue						GRANT Allocation Transfer out	Monthly Expenditure	Fund Balance
PSAP FUND	**PSAP 85%**	**Wireline**	**VOIP**	**Prepaid Wireless**	**Interest**	**Total**			$ 15,115,621.09
July 2018	$ 3,170,987.91	$ 781,929.85	$ 968,260.32	$ 1,132,222.27	$ 19,998.15	$ 6,073,398.50		$ (4,235,116.50)	16,953,903.09
August 2018	3,301,984.25	922,998.00	1,057,440.06	998,011.93	22,854.79	$ 6,303,289.03		(4,262,617.06)	18,994,575.06
September 2018	3,387,434.27	637,676.78	1,100,957.88	1,045,454.09	26,336.34	$ 6,197,859.36	(18,045,136.00)	(4,262,617.06)	2,884,681.36
October 2018									
November 2018									
December 2018									
January 2019									
February 2019									
March 2019									
April 2019									
May 2019									
June 2019									

**Report not certified through OSC

CMRS FUND:	CMRS Revenue 15%	Interest	CMRS Disbursement	GRANT Allocation	CMRS Fund Balance
Beginning Fund Balance:					**$ 6,246,558.26**
July 2018	$ 559,586.10	$ 8,264.27	$ -		6,814,408.63
August 2018	582,703.11	9,186.20	-		7,406,297.94 **
September 2018					
October 2018					
November 2018					
December 2018					
January 2019					
February 2019					
March 2019					
April 2019					
May 2019					
June 2019					

**Report not certified through OSC

CMRS FUND:	CMRS Revenue 15%	Interest	CMRS Disbursement	GRANT Allocation	CMRS Fund Balance
Beginning Fund Balance:					$6,246,558.26
July 2018	$ 559,586.10	$ 8,264.27	$ -		6,814,408.63
August 2018	582,703.11	9,186.20	-		7,406,297.94
September 2018	597,782.52	10,268.97	(403,322.40)	(3,000,000.00)	4,611,027.03
October 2018					
November 2018					
December 2018					
January 2019					
February 2019					
March 2019					
April 2019					
May 2019					
June 2019					

PSAP Grant-Statewide 911 Projects Fund

		Total Disbursed YTD	Jul-18	Aug-18	Sep-18	Oct-18	Jun-19	Remaining Expenditures Grant Balance
			$30,028,840.94	$29,003,750.23	$28,391,979.78	$0.00	$0.00	
FY2016	**Award Amount**							
Graham County G2016-01	3,401,528.00	-1,663,440.31	-294,534.90					1,443,552.79
Richmond County G2016-03	6,357,537.00	-4,717,991.65						1,639,545.35
FY2017	**Award Amount**							
Catawba G2017-1A	296,827.00	-240,058.32						56,768.68
Forsyth G2017-3	1,085,000.00	-408,843.84						676,156.16
Lincoln G2017-6	2,000,000.00	-545,158.62		-233,437.92				1,221,403.46
Martin G2017-7	5,196,315.00	-268,249.59		-136,984.98				4,791,080.43
Mitchell G2017-9	3,163,000.00	-249,251.47	-11,625.63					2,902,122.90
Moore G2017-10	586,404.00	-546,169.09						40,234.91
Pasquotank G2017-11	1,010,779.00	-531,580.33						479,198.67
Perquimans G2017-12A	176,206.00	-145,352.51	-30,853.00					0.49
Rocky Mount G2017-13A	166,749.00	-19,275.00						147,474.00
Washington G2017-16	344,524.00	0.00						344,524.00
FY2018	**Award Amount**							
Franklin G2018B-4	1,204,482.00	0.00	-542,025.00					662,457.00
Robeson G2018-01	339,065.00	0.00						339,065.00
Wilson G2018-B3	157,913.00	0.00						157,913.00
Irdell G2018-B	2,361,230.00	0.00						2,361,230.00
STATEWIDE PROJECTS:	**Award Amount**							
E-CATS II	1,354,880.00	-845,161.71	-66,600.00	0.00				443,118.29
Interpretive Services	1,155,000.00	-239,637.56	-51,822.00	-18,766.50				844,773.94
Ortho Project III Image 17	3,815,129.00	-3,466,793.24	-1,698.05					346,637.71
Ortho Project III Image 18	3,508,433.00	-1,572,924.74	-65,660.65	-261,679.70				1,608,167.91
Ortho Project III Image 19	3,273,555.00	0.00						3,273,555.00
	Approved Transfer from PSAP Fund							
	Interest		39,728.52	39,098.65				
	Total Ending Fund Balance	**$ 30,028,840.94**	$29,003,750.23	$28,391,979.78				

Encumbered: $ 23,778,979.69

Grant Fund Total **$4,613,000.09**

**August 2018 Not certified by OSC

CASH BASIS REPORTING

PSAP Grant-Statewide 911 Projects Fund

		Total Disbursed YTD	Jul-18	Aug-18	Sep-18	Oct-18	Jun-19	Remaining Expenditures Grant Balance
			$30,028,840.94	$29,003,750.23	$28,391,979.78	$48,743,802.60	$0.00	
FY2016	**Award Amount**							
Graham County G2016-01	3,401,528.00	-1,663,440.31	-294,534.90					1,443,552.79
Richmond County G2016-03	6,357,537.00	-4,717,991.65						1,639,545.35
FY2017	**Award Amount**							
Catawba G2017-1A	296,827.00	-240,058.32						56,768.68
Forsyth G2017-3	1,085,000.00	-408,843.84						676,156.16
Lincoln G2017-6	2,000,000.00	-545,158.62		-233,437.92				1,221,403.46
Martin G2017-7	5,196,315.00	-268,249.59		-136,984.98				4,791,080.43
Mitchell G2017-9	3,163,000.00	-249,251.47	-11,625.63					2,902,122.90
Moore G2017-10	586,404.00	-546,169.09						40,234.91
Pasquotank G2017-11	1,010,779.00	-531,580.33						479,198.67
Perquimans G2017-12A	176,206.00	-145,352.51	-30,853.00					0.49
Rocky Mount G2017-13A	166,749.00	-19,275.00						147,474.00
Washington G2017-16	344,524.00	0.00						344,524.00
FY2018	**Award Amount**							
Franklin G2018B-4	1,204,482.00	0.00	-542,025.00		-81,167.75			581,289.25
Robeson G2018-01	339,065.00	0.00						339,065.00
Wilson G2018-B3	157,913.00	0.00						157,913.00
Irdell G2018-B	2,361,230.00	0.00						2,361,230.00
STATEWIDE PROJECTS:	**Award Amount**							
E-CATS II	1,354,880.00	-845,161.71	-66,600.00	0.00				443,118.29
Interpretive Services	1,155,000.00	-239,637.56	-51,822.00	-18,766.50	-17,504.25			827,269.69
Ortho Project III Image 17	3,815,129.00	-3,466,793.24	-1,698.05					346,637.71
Ortho Project III Image 18	3,508,433.00	-1,572,924.74	-65,660.65	-261,679.70	-634,007.20			974,160.71
Ortho Project III Image 19	3,273,555.00	0.00						3,273,555.00
	Approved Transfer from PSAP Fund				$21,045,136.00			
	Interest		$39,728.52	$39,098.65	$39,366.02			
	Total Ending Fund Balance	$ 30,028,840.94	$29,003,750.23	$28,391,979.78	$48,743,802.60			

Encumbered: $ 23,046,300.49

Grant Fund Total **$25,697,502.11**

**August 2018 Unreconciled by OSC

CASH BASIS REPORTING

4 f)

Grant Project Updates

Harris, Pokey

From: Christy Shearin <cshearin@franklincountync.us>
Sent: Wednesday, August 1, 2018 10:11 AM
To: Harris, Pokey
Subject: [External] August 2018 Grant Update

Importance: High

CAUTION: External email. Do not click links or open attachments unless verified. Send all suspicious email as an attachment to Report Spam.

Pokey,

The following is a brief outline of key activities coming up regarding the project:

1. **Youngsville Site**

   The current schedule has the civil work for the shelter starting/ending August 6-10.
   The shelter delivery is scheduled for August 21.
   The Youngsville building transition is scheduled to be complete by end of day August 24th.
   Christy knows that the fiber (Century Link) must be removed on August 20th and reinstalled on August 23rd.

2. **OATP**

   We are scheduling the OATP test to be performed the week August 6th.

3. **Aviat**

   The equipment is scheduled to ship August 1.
   Training at RCC is August 13-17
   Youngsville/Franklinton installation is scheduled for Sept 4-7th.
   Youngsville/Franklinton microwave link is scheduled to be commissioned during Sept 17 – 21.
   Aviat system wide firmware upgrade and reconfiguration is scheduled to be completed during September 17-21.

4. **Multicoupler System**

   Design approved and manufacturing ready pending frequency approval

5. **Harris Equipment**

   Final staging preparation at RCC is scheduled to end August 10th.
   Equipment will be moved out to the field during August 27 – September 7 in between other activities.

6. **Phase 2 radio license upgrade**

   It's time to plan a possible September "first touch" for all radios for programming and all non XL radios for upgrades.

The project continues to move forward smoothly. Please let me know if you need additional information.

Thanks

Christy Shearin
Director
Franklin County Emergency Communications
287 T Kemp Rd
Louisburg, NC 27549
(919)340-4377 - Office
(919)291-9420 - Cell
cshearin@franklincountync.us

From: Christy Shearin
To: Harris, Pokey
Subject: [External] September 2018 Grant Update
Date: Tuesday, September 4, 2018 9:01:48 AM
Importance: High

CAUTION: External email. Do not click links or open attachments unless verified. Send all suspicious email as an attachment to Report Spam.

Pokey,

The following is a brief outline of the status of the project:

1. **Youngsville Site – Building Swap**

   The site was made operational (existing M5s) by the end of the day August 24th.
   There is still site clean-up and work going on.

2. **OATP**

   the OATP test was completed for 3 of the 6 sites. The last 3 will be completed in the near future.

3. **Aviat**

   Youngsville/Franklinton installation is scheduled for Sept 4-7th.
   Youngsville/Franklinton microwave link is scheduled to be commissioned during Sept 17 – 21.
   Aviat system wide firmware upgrade and reconfiguration is scheduled to be completed during September 17-21.
   There will be outages during the upgrade and reconfiguration. Randy will send out an email with details.

4. **Multicoupler System**

   Design approved and manufacturing ready pending frequency approval from the County.

5. **Harris Equipment**

   Equipment will be moved out to the field during August 27 – September 7 in between other activities.

6. **Phase 2 radio license upgrade**

   Planning for a "first touch" for all radios for programming and all non XL radios for upgrades is on hold pending word from the County.

The project continues to progress. We are currently working to get the frequencies coordinated through APCO so we can proceed with filing for the licenses with the FCC.

Thanks

Christy Shearin
Director
Franklin County Emergency Communications
287 T Kemp Rd
Louisburg, NC 27549
(919)340-4377 - Office
(919)291-9420 - Cell
cshearin@franklincountync.us

Harris, Pokey

From: Christy Shearin <cshearin@franklincountync.us>
Sent: Monday, October 1, 2018 1:24 PM
To: Harris, Pokey
Subject: [External] October 2018 Grant Update

Importance: High

Follow Up Flag: Follow up
Flag Status: Flagged

CAUTION: External email. Do not click links or open attachments unless verified. Send all suspicious email as an attachment to Report Spam.

Pokey,

Below is the most recent status update.

The Aviat installation (Microwave Link from Youngsville to Franklinton) was rescheduled for the week of October 8th due to Hurricane Florence.

We are currently working to obtain Letters of Concurrence for the selected frequencies for the additional channels. Delays in obtaining these and getting the frequencies licensed will impact the schedule. At this time I only need 2 more Letters of Concurrence which hopefully I can get finalized this week.

Thanks

Christy Shearin
Director
Franklin County Emergency Communications
287 T Kemp Rd
Louisburg, NC 27549
(919)340-4377 - Office
(919)291-9420 - Cell
cshearin@franklincountync.us

From: Ken Brody <kbrody@rccws.com>
Sent: Wednesday, September 19, 2018 10:58 AM
To: Christy Shearin <cshearin@franklincountync.us>
Cc: Nick Tusa <nick.tusa@tusaconsulting.com>; rgiffin@rccws.com; 'Matthew Dean' <mdean@rccws.com>
Subject: Status Update

Good morning Christy:

I wanted to provide another status update even though I believe you are aware of our activities. I also want you to let us know if you would like to schedule a meeting in person with Randy and me. We are always available for that purpose.

1. **Youngsville Site – Building Swap**

   There is still site clean-up and work going on.

2. **Aviat**

   Youngsville/Franklinton microwave link scheduled to be commissioned during Sept 17 – 21 was moved out to October 8th by Aviat due to Florence.
   Aviat system wide firmware upgrade and reconfiguration is scheduled to be completed during October 8 – 12th.
   There will be outages during the upgrade and reconfiguration. Randy will send out an email with details.

3. **Multicoupler System**

   Design approved and manufacturing ready pending frequency approval from the County.

4. **Harris Equipment**

   Equipment is in the field.
   Once the Aviat work is complete, we will work toward getting all the sites communicating as a network.

5. **Phase 2 radio license upgrade**

   Planning for a "first touch" for all radios for programming and all non XL radios for upgrades is on hold pending word from the County.

Do you have any news on the new frequencies????

Best regards,

Ken Brody
Radio Communications Company
919-467-2421
www.rccws.com

MissionCriticalPartners

Graham County, NC

E911 Enhancement/Replacement — MCP Project Number 15-111

Monthly Progress Report – July, 2018

Activity	This Period	Next Period
1. Design	• No additional design work required in this period	• No additional design work is anticipated
2. Permits	• No permitting handled in this period	• No additional permitting anticipated
3. Construction	• No additional work was completed	• Walk through / punch list
4. Communications Systems	• Fiber between facilities installed • Continued work on CPE telecom services • Reviewed CAD historical records • Participated in CAD admin training • Network discussions for interconnection with backup sites • Finalize console layouts and procure remaining monitors • Review audio visual proposals • Finalize grounding of cable trays, cabinets and ladder racks • Kickoff recording system installation • Office furniture installation • Procurement of remaining PC workstations • Install office / backup phones	• Install wireless network • Finalize recording system • Finalize interconnectivity with backup sites • Install CPE clients • Finalize CAD client installations • Begin acceptance testing • Finalize grounding on Operations floor
5. Other Activity	• MCP held weekly conference calls with the County • MCP participated in on-site meetings	• MCP will continue the weekly conference call schedule with the County

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MissionCriticalPartners

Graham County, NC

E911 Enhancement/Replacement — MCP Project Number 15-111

Monthly Progress Report – August, 2018

Activity	This Period	Next Period
1. Design	• No additional design work required in this period	• No additional design work is anticipated
2. Permits	• No permitting handled in this period	• No additional permitting anticipated
3. Construction	• Finished up punch list	• No additional work anticipated
4. Communications Systems	• Fiber between facilities installed • Finalized work on CPE telecom services • Continued review of CAD historical records • Participated in CAD admin training – Phase II • Continued network discussions for interconnection with backup sites • Finalized procurement of audio visual • Finalize grounding of cable trays, cabinets and ladder racks • Office furniture installation • Procurement of remaining PC workstations	• Install wireless network • Finalize recording system • Finalize interconnectivity with backup sites • Finalize acceptance testing • Finalize grounding in data center • Finish installation of all PC and monitors • Prepare for cut-over
5. Other Activity	• MCP held weekly conference calls with the County • MCP participated in on-site meetings	• MCP will continue the weekly conference call schedule with the County • MCP will participate in final acceptance testing

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MissionCriticalPartners

Graham County, NC

E911 Enhancement/Replacement — MCP Project Number 15-111

Monthly Progress Report – September, 2018

Activity	This Period	Next Period
1. Design	• No additional design work required in this period	• No additional design work is anticipated
2. Permits	• No permitting handled in this period	• No additional permitting anticipated
3. Construction	• No additional construction work completed	• No additional work anticipated
4. Communications Systems	• Continued network discussions for interconnection with backup sites • Finalized CAD system configuration and interfaces • Finalized CPE system configuration • Installed remaining workstations, monitors, and other accessories • Continued office furniture installation • Finalize security camera system • Finalize intercom planning • Final grounding testing • Initial testing and technical punchlist • Track progress on ALI circuit • Finalized recording system installation and integration	• Install wireless network • Continue regional backup planning and implementation • Install audio / visual systems • Finalize technical acceptance testing • End-User training • Setup and prepare for cut-over
5. Other Activity	• MCP held weekly conference calls with the County • MCP participated in on-site meetings	• MCP will continue the weekly conference call schedule with the County • MCP will participate in final acceptance testing

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Iredell County PSAP Enhancement and Regional Backup Initiative

PSAP Grant Project | MCP Project Number 16-114

Monthly Progress Report – July, 2018

Activity	This Period	Next Period
1. Design	• No actions expected	• No actions expected
2. Permits	• No actions expected	• No actions expected
3. Construction	• Concrete work complete • Continued work on masonry on the north east and north west • Completed standing seam roofing • Installed downspouts • Continued to work on exterior door hardware • Continued work on the storefront doors, frames and hardware • Painted door frames and block fill • Began gas piping install • FM 200 piping and control wiring completed • Pre-Action system piping complete • Fire alarm rough-in complete • Overhead and in-wall rough-in of electrical complete • Began work on grounding • Foundation to tower installed	• Install concrete curbing and sidewalks • Add access road to tower site • Install dumpster pad • Prep stone base for asphalt • Install cabinets and countertops • Begin painting walls and door frames • Complete duct work • Continue grounding • Sub feeder pulls and breaker install in electrical room

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Activity	This Period	Next Period
4. Communications Systems	• Continued discussions with AT&T and the NC 911 Board on hosted call handling and ESInet • Worked with procurement on dispatch furniture consoles • Finalized video display layout and specifications • Identified locations of Netclock wall displays • Solicited quotes for Netclock bundle • Radio assessment field work completed • Continued discussions on network design and configuration • Awaiting FCC approvals on tower • Coordinated rack electrical needs with electrical contractor • Site walk with tower vendor	• Finalize AT&T paperwork and begin detailed implementation planning • Begin planning for audio visual management system • Continue coordination with technology vendors to include CAD and recording systems • Finalize network design • Plan rack layouts • Procure equipment cabinets for data center • Solicit specific floor layouts from dispatch furniture vendor • Begin migration planning for radio console system • Plan fiber / data connectivity
5. Other Activity	• MCP continued biweekly project meetings with the client • Participated in other project meetings for both budget and construction needs	• MCP will continue biweekly project meetings with the client

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Iredell County PSAP Enhancement and Regional Backup Initiative

PSAP Grant Project | MCP Project Number 16-114

Monthly Progress Report – August, 2018

Activity	This Period	Next Period
1. Design	• Requested change order on structured cabling and patch panel for console furniture	• No actions expected
2. Permits	• No actions expected	• No actions expected
3. Construction	• Curbing and access road to the tower installed • Cabinetry and finish carpentry at 80% • Installed roof coping • Metal Panel Siding finished • Membrane Roofing system installed • Exterior storefront doors and frames at 95% • Painting interior walls in ECOM • Ceiling grid at 50% • Communications and Security rough-in completed • FM 200 and Pre-Action system installed • Overhead electrical in ECOM complete • Grounding at 60%	• Install dumpster pad • Prep stone base for asphalt • Complete cabinetry and finish carpentry • Finish painting • Complete ceiling grid and cloud ceilings • Begin locker installation • Begin installing security hardware • Panel Boards and terminations for electrical at 90% • Grounding completed
4. Communications Systems	• Purchase order issued on dispatch furniture consoles • Finalized video display layout and specifications • Walk-through with audio visual vendor • Initiated discussions with server infrastructure vendor	• Kickoff meeting with AT&T • Review design of audio visual system • Finalize quote for recording system • Continue to work with partner counties on dispatch furniture procurement.

Activity	This Period	Next Period
	• Determine final costs on CPE • Issued purchase order for IT room cabinets • Held meetings with recording system vendor • Awaiting FCC approvals on tower • Coordinate rack electrical needs with electrical contractor • Tower and shelter installed	• Coordinate migration plans with CAD vendor • Procure equipment cabinets for data center • Continue migration planning for radio console system • Plan fiber / data connectivity • Begin specifications for network needs • Coordinate project overlap with County IT • Receive FCC approvals on tower • Install power to tower shelter • Finalize tower installation
5. Other Activity	• MCP continued biweekly project meetings with the client	• MCP will continue biweekly project meetings with the client



MissionCriticalPartners

Iredell County PSAP Enhancement and Regional Backup Initiative

PSAP Grant Project | MCP Project Number 16-114

Monthly Progress Report – September, 2018

Activity	This Period	Next Period
1. Design	• No actions required	• No actions expected
2. Permits	• No actions required	• No actions expected
3. Construction	• Concrete curbing installed • Tower access road completed • Relocated water meter pit • Sidewalk at 80% • Landscaping at 70% • Fine Grading at 95% • Light pole bases finished • Dumpster pad completed • Continued cabinetry and finish carpentry • All roofing work completed • Finalized interior and exterior doors • Painting interior walls at 95% • Toilet partitions completed • Communications and security rough-in completed • Overhead electrical completed • Electrical wall rough-in completed	• Complete sidewalks • Complete landscaping and seeding • Prepare stone base for asphalt • Install fencing • Masonry work completed • Millwork completed • Finalize exterior and interior door hardware • Complete painting • Finalize ceiling grids • Begin security hardware installation • Digital control wiring rough-in • Fire Alarm rough-in • Finish overhead electrical • Finish electrical wall rough-in • Finalize grounding • Panel boards and terminations at 90%
4. Communications Systems	• Final coordination for dispatch furniture • Continue work on audio visual specifications • Continue procurement of server / storage infrastructure • Participate in project kickoff and	• Review design of audio visual system • Finalize quote for recording system • Continue to work with partner counties on dispatch furniture procurement.

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Activity	This Period	Next Period
	ongoing coordination meetings for hosted call handling • Continue work to refine recording system quotes • Awaiting FCC approvals on tower • Finalize data center electrical requirements • Continue radio tower grounding work • Plan radio console migration with Motorola • Netclock design and procurement • Solicit quotes from Priority Dispatch • Continue technology coordination meetings. • Plan for FFE	• Coordinate migration plans with CAD vendor • Continue migration planning for radio console system • Plan fiber / data connectivity • Begin specifications for network needs • Coordinate project overlap with County IT • Install power to tower shelter • Finalize tower grounding
5. Other Activity	• MCP continued biweekly project meetings with the client	• MCP will continue biweekly project meetings with the client



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Lincoln County PSAP, NC

PSAP Grant Project | MCP Project Number 17-125

Monthly Progress Report – July, 2018

Activity	This Period	Next Period
1. Design	• Continued submittal processes	• Continue submittal process
2. Permits	• Zoning permit completed / approved	• Working through wetlands agreements
3. Construction	• Completed erosion control • Completed rough grading of site • Completed storm drainage • Completed site sewer • Completed footings • Completed dumpster retaining wall • Completed ICF walls • Began mock-up panel • Began underslab plumbing rough-in • Began site water line	• Complete site water line • Complete underslab rough-in • Complete mock-up panel • Begin slab on grade • Begin masonry
4. Communications Systems	• Continue to work through contracts on radio antenna structure • Finalize and request approval on dispatch furniture bids • Continue to work with AT&T and NC 911 Board on the hosted call handling solution • Initiated meetings with the CAD vendor to begin coordination • Solicit quotes for technology items to include Netclock • Identify access routes for fiber and electric vendors • Review access control and security contracts	• Have a kickoff of the radio antenna structure • Begin work with AT&T project manager on call handling • Schedule and have a coordination meeting with radio vendor • Review needs assessment for a recording system • Begin coordination on audio visual systems • Continue site evaluation with telecommunications vendors

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Activity	This Period	Next Period
5. Other Activity	• MCP continued biweekly project meetings with the client • Lincoln County staff and MCP participated in monthly construction meeting	• MCP will continue biweekly project meetings with the client • Lincoln County staff will participate in the monthly construction meeting

MissionCriticalPartners

Lincoln County PSAP, NC

PSAP Grant Project | MCP Project Number 17-125

Monthly Progress Report – August, 2018

Activity	This Period	Next Period
1. Design	• Continued submittal processes	• Continue submittal process
2. Permits	• No actions required	• No actions expected
3. Construction	• Continued mock-up panel • Completed underslab plumbing rough-in • Continued working with site water • Began underslab electrical rough-in • Began slab on grade	• Complete site water • Complete underslab rough-in • Complete mock-up panel • Complete slab on grade • Complete foundation waterproofing • Complete exterior electrical conduit • Begin masonry
4. Communications Systems	• Received approval and began contracts on dispatch furniture • Continued to work with AT&T and NC 911 Board on the hosted call handling solution • Coordination with CAD vendor along with solicitation of quotes • Determined fiber needs and initiated site walks with vendors • Began work with access control vendor • Began civil work with tower vendor • Held grounding coordination meeting with contractor and tower vendor	• Begin work with AT&T project manager on call handling • Schedule and have a coordination meeting with radio vendor • Continue discussions on microwave requirements • Begin discussions on building cellular / RF repeater • Begin design of server infrastructure • Begin design of network requirements • Begin coordination on audio visual systems • Continue design of fiber connectivity

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Activity	This Period	Next Period
5. Other Activity	• MCP continued biweekly project meetings with the client • Lincoln County staff and MCP participated in monthly construction meeting	• MCP will continue biweekly project meetings with the client • Lincoln County staff and MCP will participate in the monthly construction meeting



MissionCriticalPartners

Lincoln County PSAP, NC

PSAP Grant Project | MCP Project Number 17-125

Monthly Progress Report – September, 2018

Activity	This Period	Next Period
1. Design	• Continued submittal processes	• Continue submittal process
2. Permits	• No actions required	• No actions expected
3. Construction	• Continued mock-up panel • Completed site water • Completed underslab electrical rough-in • Completed slab on grade • Began masonry • Began foundation waterproofing • Reviewed and approved change orders • Discussed wetland area • Reviewed fence locations • Discussed locker locations • Reviewed floor panel options for data center	• Complete slab on grade • Complete foundation waterproofing • Complete exterior electrical conduit • Complete steel erection • Complete slab on deck • Complete slope seeding • Continue masonry • Begin parking lot prep work
4. Communications Systems	• Begin alignment discussions with dispatch furniture • Initial meetings held with AT&T and Motorola on the design of the call handling clients • Site walks with communications vendors • Finalize plans and design for fiber connectivity • Continue working with vendors on microwave connectivity	• Participate in AT&T project kickoff meeting • Hold on-site meeting with Motorola for console system • Finalize microwave requirements and quotes • Finalize design and prepare specifications for audio visual systems • Continue site walks with communications vendors

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Activity	This Period	Next Period
	• Modify FAA filings for radio tower • Begin migration planning for Motorola console systems • Begin migration planning for recording system • Initial design of wall displays for audio visual system • Continued technology planning and timeline meetings	• Track FAA / FCC filings for radio tower • Finalize migration plans for recording system • Continue technology planning and design meetings
5. Other Activity	• MCP held biweekly project meetings with the client • Lincoln County staff and MCP participated in monthly construction meeting	• MCP will continue biweekly project meetings with the client • Lincoln County staff and MCP will participate in the monthly construction meeting



MissionCriticalPartners

Martin County PSAP and Regional Backup Facility, NC

PSAP Consolidation Project – Phase II – Grant Project MCP Project Number 16-184

Monthly Progress Report – July, 2018

Activity	This Period	Next Period
1. Design	• Identified some additional value engineering items	• No additional actions planned
2. Permits	• Construction permits	• Construction permits
3. Construction	• Continued site work • Striped parking lot and building areas • Terracon on-site for proof roll • Installed fill for new parking lot and building pad subgrade • Terracon on-site for compaction test on building pad subgrade • Surveyor staking out building corners • Installed new construction entrance to site • Mitigated ground water under footings • Review of exterior brick and siding colors / types • Plan conduits and ductbanks • Continue through critical path submittals	• Continue site work • Start big spread footing and installing stone & geo-fabric • Plumbing, Mechanical and Electrical under footing rough-in • Terracon on-site for testing footing and stone placement • Start forming footings • Continue through submittals • Telecommunications vendor site walks to verify conduit locations and entry facilities
4. Communications Systems	• Finalized AT&T / NC 911 Board required paperwork for hosted call handling and ESInet • Reviewed updated radio console quotes	• Begin specifications of radio antenna structure • Review data center quotes with vendors • Begin drafting requirements for dispatch furniture • Obtain quote for NetClock • Begin design of access control and security systems • Validate recording system needs based on radio and CPE systems.

Activity	This Period	Next Period
5. Other Activity	• MCP conducted periodic conference calls with the clients • Participated in on-site construction meeting	• MCP will participate in project team meetings with the clients • Continued participation in construction meetings

MissionCriticalPartners

Martin County PSAP and Regional Backup Facility, NC

PSAP Consolidation Project – Phase II – Grant Project MCP Project Number 16-184

Monthly Progress Report – August, 2018

Activity	This Period	Next Period
1. Design	• Clarification on access card reader to cantilever gate requested • Intercom requested in vestibule, pending change order	• No additional actions planned
2. Permits	• Construction permits	• Construction permits
3. Construction	• Continued the submittal process • Started and finished all footings, inspection, rebar and anchor bolts • Finished electrical under footing rough-in • Installed two well points to control groundwater • Worked with Dominion power on pole locations • CenturyLink site walk for data and telephone needs • Finalize conduit paths and handhold locations • Loss of 9 days due to 10.5 inches of rain	• Foundation block • Under slab rough-ins • Continue site work • Prep and pour slabs • Foundation drain
4. Communications Systems	• Continue work with AT&T / NC 911 Board hosted call handling and ESInet • Revised radio console quotes • Began designing radio tower • Began specification for dispatch furniture	• Finalize radio console quotes • Finalize radio tower design • Continue design of server infrastructure and network design • Continue to work with AT&T on next steps for hosted solution

Activity	This Period	Next Period
	• Facilitated site walks with communication vendors • Discussed options for security camera systems • Discussed and determined direction of Bertie County with hosted call handling	• Finalize network connectivity needs • Issue RFP for dispatch furniture • Begin design of access control and security systems • Validate recording system needs based on radio and CPE systems.
5. Other Activity	• MCP conducted periodic conference calls with the clients • Participated in on-site construction meeting	• MCP will participate in project team meetings with the clients • Continued participation in construction meetings



MissionCriticalPartners

Martin County PSAP and Regional Backup Facility, NC

PSAP Consolidation Project – Phase II – Grant Project MCP Project Number 16-184

Monthly Progress Report – September, 2018

Activity	This Period	Next Period
1. Design	• Discussed conduit runs on the site.	• No additional actions planned
2. Permits	• Construction permits	• Construction permits
3. Construction	• Continued review of submittals • Finished foundation block • Finished under-slab rough ins • Installed new water and sewer lines to the building • Inspections of water and sewer line completed • Started on swells around the site • Prepared for slab • Installed conduits for exterior lights, sign and card readers • 10 days of weather delay noted due to Florence • Steel fabricator plant is flooded, may impact access to steel • Discuss cable trays • Continue discussion on grounding • Reviewing change order	• Continue submittal review • Pour concrete slab • Start on structural and tube steel erection • Start on water proofing and foundation drain • Start on site work • Begin masonry walls • Install duct banks and exterior conduits • Review finish board • Continue discussion on grounding • Continue design of conduits for communications vendors

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Activity	This Period	Next Period
4. Communications Systems	• Continue work with AT&T / NC 911 Board hosted call handling and ESInet • Continue design of radio tower • Review draft RFP for dispatch furniture • Continue site walks with communication vendors • Finalize design and solicit quotes for security camera system • Continue technology coordination meetings • Bertie County elected to participate in State hosted call handling	• Finalize radio console quotes • Finalize radio tower design • Finalize plan for technology needs • Participate in Hosted Call Handling kick off meetings and coordination • Issue RFP for dispatch furniture • Begin discussions on audio visual needs • Finalize connectivity needs and work with vendors on procurement
5. Other Activity	• MCP conducted periodic conference calls with the clients • Participated in on-site construction meeting	• MCP will participate in project team meetings with the clients • Continued participation in construction meetings



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Mitchell County, NC

PSAP Construction and Regional Backup — MCP Project Number 16-173

Monthly Progress Report – July 2018

Activity	This Period	Next Period
1. Design	• N/A	• No further activity
2. Permits	• N/A	• No further activity expected
3. Construction	• Moved construction trailer on-site • Determined route for power to site • Began stripping top soil • Installed silt fence and sediment pond for erosion control • Reviewed subcontractors • Reviewed numerous contractor submittals (Stewart Cooper Newell) • Conducted site review (Stewart Cooper Newell) • Took site photographs (Stewart Cooper Newell)	• Continue stripping top soil • Lay out building area • Conduct site review • Hold first monthly construction meeting • Hold grounding meeting with contractor and electrical subcontractor • Maintain photographic progress
4. Communications Systems	• Contacted access control vendor • Compiled list of technology vendor contacts • Scheduled technology and budget meeting	• Continue to refine technology plan • Determine access control method
5. Other Activity	• Continued to track grant spending • Updated budget tracking spreadsheet	• Regular communications with project team, as needed • Track grant budget, ongoing • Determine construction review schedule with project team

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Mitchell County, NC

PSAP Construction and Regional Backup

MCP Project Number 16-173

Monthly Progress Report – August 2018

Activity	This Period	Next Period
1. Design	• N/A	• No further activity
2. Permits	• N/A	• Contractor-dependent
3. Construction	• Continued stripping top soil • Staked site • Completed site clearing and grubbing • Cleared out silt ponds • Cleared out center pond and backfilled • Put in storm drain boxes and backfilled • Remediated unacceptable soils • Removed gas valve from old drain • Excavated building site • Held first monthly construction meeting • Held grounding meeting with contractor and electrical subcontractor • Prepared grounding response document • Reviewed numerous contractor submittals (MCP and Stewart Cooper Newell) • Reviewed quotes for conduit extensions • Conducted calls with electric utility • Conducted site reviews (County, MCP, and Stewart Cooper Newell) • Took site photographs (MCP and Stewart Cooper Newell)	• Complete building pad • Gravel and fill parking area and driveway • Pour footers • Begin block work • Begin grout work (based on block work) • Trench for data and power conduits • Bring electric utility to transformer • Ground under slab • Begin under slab electrical and plumbing • Prep for slab pour • Get temporary water to the site • Seed and straw the banks • Conduct third-party testing when applicable (ongoing) • Conduct site review(s) (ongoing) • Conduct grounding review • Attend monthly construction meeting • Review contractor submittals • Maintain photographic progress

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Activity	This Period	Next Period
4. Communications Systems	• Filled out paperwork for hosted customer premise equipment (CPE) solution • Received quotes from vendor for access control and security systems • Communicated via email and phone with numerous vendors	• Provide information on cable penetration sleeves • Continue to refine technology plan • Finalize access control method • Determine tower-to-building bolting method • Determine procurement methods for technology • Develop procurement timeline • Schedule technology review meeting
5. Other Activity	• Continued to track grant spending • Updated budget tracking spreadsheet • Conducted calls between County and MCP and architect and MCP regarding project needs and status updates	• Regular communications with project team, as needed • Track grant budget (ongoing) • Schedule status meeting between MCP and County

MissionCriticalPartners

Mitchell County, NC

PSAP Construction and Regional Backup — MCP Project Number 16-173

Monthly Progress Report – September 2018

Activity	This Period	Next Period
1. Design	• N/A	• No further activity
2. Permits	• N/A	• Contractor-dependent
3. Construction	• Completed remediation of building pad • Filled and compacted driveway subgrade • Installed storm grates • Began block masonry • Completed grouting of lowest lift • Accepted structural steel on-site • Completed grounding of footer steel • Began installing electrical primary • Completed water utility installation • Completed under slab utilities (power, data, water) • Temporary water on-site • Reviewed and commented on numerous contractor submittals • Conducted site reviews (County, MCP, and Stewart Cooper Newell) • Took site photographs (MCP and Stewart Cooper Newell)	• Seed and straw the banks • Complete block masonry • Grout block masonry • Place under slab gravel • Form and pour slab • Install insulation board • Begin waterproofing • Accept brick on-site • Prepare to set structural steel • Accept trusses on-site • Place driveway fabric and stone • Compact driveway stone • Conduct third-party testing when applicable (ongoing) • Conduct site review(s) (ongoing) • Conduct grounding review • Attend monthly construction meeting • Review contractor submittals • Maintain photographic progress
4. Communications Systems	• Filled out paperwork for hosted customer premise equipment (CPE) solution • Held radio meeting to discuss coverage of new tower • Worked on entry port criteria • Held several calls with radio	• Provide information on cable penetration sleeves • Continue to refine technology plan • Finalize access control method • Continue work on tower requirements

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Activity	This Period	Next Period
	vendor regarding tower • Inventoried radio equipment • Completed paperwork for submittal to Rohn regarding tower • Held several calls with AT&T regarding hosted solution • Communicated via email and phone with numerous vendors	• Hold technology meeting • Determine procurement methods for technology • Develop procurement timeline
5. Other Activity	• Continued to track grant spending • Updated budget tracking spreadsheet • Met with County regarding project status and technology concerns • Conducted calls between County and MCP and architect and MCP regarding project needs and status updates	• Regular communications with project team, as needed • Track grant budget (ongoing) • Schedule status meeting between MCP and County

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Pasquotank County PSAP, NC

PSAP Consolidation Project — MCP Project Number 16-185

Monthly Progress Report – July, 2018

Activity	This Period	Next Period
1. Design	• Martin County project identified some additional value engineering items	• No additional actions planned
2. Permits	• No action	• No action
3. Construction	• Continue site work • Striped parking lot and building areas • Terracon on-site for proof roll • Installed fill for new parking lot and building pad subgrade • Terracon on-site for compaction test on building pad subgrade • Surveyor staking out building corners • Installed new construction entrance to site • Mitigated ground water under footings • Review of exterior brick and siding colors / types • Plan conduits and ductbanks • Continue through critical path submittals	• Continue site work • Start big spread footing and installing stone & geo-fabric • Plumbing, Mechanical and Electrical under footing rough-in • Terracon on-site for testing footing and stone placement • Start forming footings • Continue through submittals • Telecommunications vendor site walks to verify conduit locations and entry facilities
4. Communications Systems	• Evaluated options for CPE in the backup facility • Received approval to proceed with structural improvements at the Main Dispatch tower • Reviewing responses South Mills tower remediation	• Continue discussions on technology items in backup facility • Begin tower upgrades at the Main Dispatch tower • Finalize decision on the options for CPE in the backup facility • Begin needs assessment for dispatch furniture

Activity	This Period	Next Period
5. Other Activity	• MCP conducted periodic project communications with the stakeholders	• MCP will conduct periodic communications with the stakeholders

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Pasquotank County PSAP, NC

PSAP Consolidation Project — MCP Project Number 16-185

Monthly Progress Report – August, 2018

Activity	This Period	Next Period
1. Design	• No additional actions	• No additional actions planned
2. Permits	• No action	• No action
3. Construction	• Continued the submittal process • Started and finished all footings, inspection, rebar and anchor bolts • Finished electrical under footing rough-in • Installed two well points to control groundwater • Worked with Dominion power on pole locations • CenturyLink site walk for data and telephone needs • Finalize conduit paths and handhold locations • Loss of 9 days due to 10.5 inches of rain	• Foundation block • Under slab rough-ins • Continue site work • Prep and pour slabs • Foundation drain
4. Communications Systems	• Continued evaluation of next steps for CPE in backup facility • Continued to plan for next steps on tower structural construction • Began specification for dispatch furniture • Reviewed technology needs in Martin facility	• Continue discussions on technology items in backup facility • Determine plans for tower structural construction • Assist in RFP for dispatch furniture • Finalize decision on the options for CPE in the backup facility

Activity	This Period	Next Period
5. Other Activity	• MCP conducted periodic project communications with the stakeholders • Reviewed grant budget	• MCP will conduct periodic communications with the stakeholders

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Pasquotank County PSAP, NC

PSAP Consolidation Project — MCP Project Number 16-185

Monthly Progress Report – September, 2018

Activity	This Period	Next Period
1. Design	• Discussed conduit runs on the site	• No additional actions planned
2. Permits	• No action	• No action
3. Construction	• Continued review of submittals • Finished foundation block • Finished under-slab rough ins • Installed new water and sewer lines to the building • Inspections of water and sewer line completed • Started on swells around the site • Prepared for slab • Installed conduits for exterior lights, sign and card readers • 10 days of weather delay noted due to Florence • Steel fabricator plant is flooded, may impact access to steel • Discussed cable trays • Continued discussion on grounding • Reviewing change order	• Continue submittal review • Pour concrete slab • Start on structural and tube steel erection • Start on water proofing and foundation drain • Start on site work • Begin masonry walls • Install duct banks and exterior conduits • Review finish board • Continue discussion on grounding • Continue design of conduits for communications vendors
4. Communications Systems	• Continued evaluation of next steps for CPE in backup facility • Reviewing budgets for radio tower structural enhancements • Reviewed technical needs for Martin facility; timelines and scope determined	• Initiate contracts for radio tower structural remediation • Issue RFP for dispatch furniture • Discuss connectivity requirements with Martin facility • Begin migration planning and validation

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Activity	This Period	Next Period
		• Solicit quotes for migration of radio antennas to align with Martin tower
5. Other Activity	• MCP conducted periodic project communications with the stakeholders • Reviewed grant budget	• MCP will conduct periodic communications with the stakeholders

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Richmond County, NC

PSAP Consolidation and Construction — MCP Project Number 15-175

Monthly Progress Report – July 2018

Activity	This Period	Next Period
1. Design	• N/A	• No further activity
2. Permits	• N/A	• No further activity
3. Construction	• N/A	• No further activity
4. Communications Systems	• Completed 30-day burn-in period • Conducted final grounding review • Made minor system adjustments to systems • Installed directional antennas for Scotland County • Scheduled meeting to discuss mobile data terminals (MDTs) for responders	• Continue to make minor adjustments to systems as needed • Hold meeting to discuss mobile data terminals (MDTs) request for proposal (RFP) for responders
5. Other Activity	• Continued to track grant budget • Continued development of SOPs • Held budget review meeting • Held law enforcement meetings • Developed training schedule for personnel • Developed consolidation schedule • Requested approval to use remaining grant funds towards MDTs and to extend MCP's contract • Received approval for use of remaining grant funds	• Continue development of SOPs • Meet with law enforcement workgroup – ongoing • Regular communications with project team, as needed – ongoing • Continue to track grant budget • Submit reimbursement request • Hold status meeting between County and MCP

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MissionCriticalPartners

Richmond County, NC

PSAP Consolidation and Construction — MCP Project Number 15-175

Monthly Progress Report – August 2018

Activity	This Period	Next Period
1. Design	• N/A	• No further activity
2. Permits	• N/A	• No further activity
3. Construction	• N/A	• No further activity
4. Communications Systems	• Began request for proposal (RFP) for mobile data terminals (MDTs) for responders • Held meeting to discuss MDT RFP • Trained law enforcement PSAP staff on computer aided dispatch (CAD) • Implemented remote CAD workstations at law agencies	• Release MDT RFP in mid-September • Complete card access and camera system implementation • Complete additional tower grounding
5. Other Activity	• Continued to track grant budget • Continued development of SOPs • Held budget review meeting • Held law enforcement meetings	• Continue development of SOPs • Continue preparing for consolidation • Meet with law enforcement workgroup – ongoing • Regular communications with project team, as needed – ongoing • Continue to track grant budget • Submit reimbursement request • Hold status meeting between County and MCP

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Richmond County, NC

PSAP Consolidation and Construction

MCP Project Number 15-175

Monthly Progress Report – September 2018

Activity	This Period	Next Period
1. Design	• N/A	• No further activity
2. Permits	• N/A	• No further activity
3. Construction	• N/A	• No further activity
4. Communications Systems	• Completed draft request for proposal (RFP) for mobile data terminals (MDTs) for responders • Completed Richmond County-Scotland County radio link	• Release MDT RFP in mid-October • Answer any questions pertaining to MDT RFP • Research video phone capabilities for law enforcement lobbies
5. Other Activity	• Continued to track grant budget • Continued development of SOPs	• Continue development of SOPs • Continue preparing for consolidation • Meet with law enforcement workgroup – ongoing • Regular communications with project team, as needed – ongoing • Continue to track grant budget • Hold status meeting between County and MCP

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ROBESON COUNTY EMERGENCY MANAGEMENT

August 8, 2018

Ms. Pokey Harris
Executive Director
NC 911 Board

2018 NC 911 Grant for Robeson County

In regards to the radio system for backup center. Chad sent the quotes over to Attorney Locklear to look at and see what if anything we need to do so that we can move ahead or what….That is where we are on the radio system. I think Chad spoke to you about this situation.

We will continue to keep you updated. Should you have any questions, please feel free to call.

Thanks,



Mattie Caulder
Assistant Director
Emergency Management

STEPHANIE V. CHAVIS
DIRECTOR

MATTIE L. CAULDER
ASSISTANT DIRECTOR

JUSTIN HUNT
INSPECTOR

38 LEGEND DRIVE LUMBERTON, NC 28358
(910) 671-3150 / 3152

Chief Allen Cress
Rowan County 9-1-1
1090 Corporate Center Dr.
Salisbury, NC 28146
Phone: 704-216-8510
Allen.Cress@rowancountync.gov

7/27/2018

Final Technical Report
Rowan County 9-1-1
Regional 9-1-1 Back Up Center

Project Scope:
Rowan County 9-1-1 in coordination and cooperation with Cabarrus County entered in an agreement to provide a regional back up 9-1-1 center for Rowan, Cabarrus, Kannapolis and Concord at 1303 S. Cannon Blvd, Kannapolis, NC 28083.

The project consisted of moving Cabarrus's' current back up center to a new location in the same building to allow for 6 additional consoles for radio and phone capabilities. The project would increase capacity to 12 positions that could in some form be used by each of the PSAPs rather primary or secondary in nature. The room was built to conform to NC Standards for back up centers.

Objectives:
To "build" a regional 9-1-1 back up facility for the primary PSAPs of Rowan County and Cabarrus County Sheriff's Office and the secondary PSAPs of Concord Fire/Police and Kannapolis Fire/Police.
Replace aged 9-1-1 phone equipment from Rowan County and match the newer equipment that Cabarrus County already had in place.
Provide a path to maintain radio communications and CAD interface while in transit to back up facility.

Historical Account:

Feburary, 2016

Back up Plan submitted.
Appendix A

June 6, 2016

Back up plan approved
Appendix B

June 22, 2016

MoA between Rowan and Cabarrus Counties signed.
Appendix C

August 31, 2016

Grant for part of Back Up Center project approved in the amount of $862,905.00.
Appendix D

- **a.** 911 Back Up Center Grant Budget
- **b.** 911 center Award
- **c.** Application-Rowan County

February 2017

Final Quote received for Intrado – Viper phone system after multiple revisions. This is sent to NC 911 Board for approval.

Motorola 7500 Console, back up radios, installation of radios, and desks sent to County for approval

Recording Solution sent to NC 911 Board for approval

March 2017

Intrado – Viper phone quotes approved and signed by County
Equipment ordered

Motorola 7500 Console, back up radios, installation of radios, and desks approved and signed by County, Purchase Orders issued.

Equipment ordered

Recording Solution approved and signed by County, Purchase Orders issued.
Equipment ordered

September 2017

Intrado – Viper phone Project Manger assigned, completion date of

Motorola 7500 Console in staging at radio shop

Back up radios, installation of radios, and desks awaiting reconstruction of facility room

Recording Solution awaiting reconstruction of facility room

October 2017

Installation of Intrado –Viper Phone solution completed for primary center

Change of location for the back up center, relocating to a larger room in the same building after construction.

Motorola 7500 Console installation is complete

Back up radios, installation of radios, and desks awaiting reconstruction of back up facility room

Recording Solution awaiting reconstruction of back up facility room

Installation of Intrado –Viper Phone solution for back up center delayed due to reconstruction of back up facility room

November 2017

Desks and Chairs delivered and installed at Back Up Center

December 2017

Wiring from internal data center room to back up center room in progress

January 2018

Wiring continues at Back Up Center, switch needed to complete 9-1-1 phone CPE installation from the data center to the back up center room

February 2018

CPE phone equipment installed at Back Up Center

2/28/2018 – Back up center phones tested

March 2018

Phone switch received and CPE phone equipment installation completed

Recording Solution installed

Radios installed at each desk

Back Up Center Project completed

April 2018

Final invoices submitted for payment

June 6, 2018

Grant reimbursement received Vendor List

<u>Project Vendor Equipment</u>

Century Link/Intrado
- 9-1-1 CPE and maintenance

Century Link
- Ethernet line
- Ethernet Fiber Switch

Motorola/Wireless Communications
MCC 7500Console
APX6500 Radios at Back up Center

City of Salisbury
Programming of radios

Carolina Recording Systems
Eventide Recording Solution

Dell
CAD Workstations and Monitors

Call One
Headsets

PSAP Overview:

Rowan County Telecommunications serves the entire County of Rowan and all of its Municipalities. The City of Kannapolis is unique in that it lies in both Cabarrus and Rowan County. With the exception of Kannapolis, Rowan County Telecommunications is the primary PSAP for Rowan County. We dispatch for the Rowan County Sheriff's Office, Salisbury, Spencer, East Spencer, Granite Quarry-Faith, Rockwell, Cleveland, China Grove and Landis Police Departments. Rowan County has 29 Fire Departments with a total of 45 fire stations, the Rowan County Division of the NC Forest Service, Rowan County EMS, Rowan County EM/Fire Division and the Rowan County Rescue Squad. We serve as an after hours point of contact for Salisbury Public Works and Utilities, Rowan County Animal Control and DSS. We maintain notification lists for Public Safety, Criminal Justice, and Public Service agencies in Rowan County. We also coordinate response from outside agencies such as Aeromedical Services and the American Red Cross upon request from field agencies. In 2017, we 188,998 CAD calls for service (this included all calls, field status, etc.) and answered 306,167 phone calls.

Staffing

Rowan County Telecommunications has 34 full time telecommunicators, an Administrative Assistant/ street addressing person, a GIS analyst, a Deputy Chief and Chief. We have access to 13 console positions, eight are manned 24/7, with 4 shifts rotating days and nights. There is also a peak time person from 12-12 each day. Future Plans include 10 people per shift during peak times. Each shift always has a supervisor in the room.

Equipment

We utilize Motorola 7500 Series radio consoles, the Intrado Viper telephones and Superion CAD. We utilize an Eventide recording system.

Outcomes/Benefits:

Prior to the beginning of the mandated Back Up Center project we could relocate to our mobile command bus that would sit 4 people with 2 radio positions and 4 computer positions. This was a third of the capacity we needed and a mobile command bus was not allowed by statute to be a back up. In working with the 9-1-1 Board staff a solution of going into our old 9-1-1 room was proposed. Due to already out growing this room , it was discovered that up fitting air conditioning and electrical along with the purchase of a suitable generator was pushing the project to a high price just for remolding; before any 9-1-1 equipment was purchased. Again, in talks with Mr. Dodd we began discussions with Lt. Ray Gilleland with the Cabarrus County Sheriffs Office (Primary PSAP). We discussed a co-location of centers; however, Union County was already in the process of co-locating their 9-1-1 equipment with Union County. Lt. Gilleland mentioned their back up center could probably be fitted and be large enough for both centers, as long as we both did not need it at the same time. Even if it did we could Rowan could use laptops and portable radios in conjunction with the 7500 console at the radio shop. Mr. Dodd and I had further discussions and agreed that Rowan could replace its existing CPE and purchase 6 more CPE units for the back up center and use the same brand CPE that Cabarrus had just installed the previous year. A radio solution was a little tougher, but we held the cost down by using a single MCC 7500 radio placed at the Salisbury radio shop for paging and communication to the field units while enroute to the back up center. Laptops would be provided with air cards to maintain continuity of operations. This regional back up center will serve the Primary PSAPs in the Counties of Rowan and Cabarrus, the secondary PSAPs of Kannapolis and Concord. Using a regional approach, we were able to save money by incorporating four centers into one. While this approach could be problematic, I believe this offers the most cost vs. gain that a back up plan could provide.

Summary

The Back Up Center Project started with a costs of $1,727,310.07, using a common sense approach to radio needs and incorporating existing text to 9-1-1 features available we were able to trim the cost to a total of $1,140,390.00, not including recurring cost. In the beginning we were looking at reconsideration but in the end we were able to use existing reserve funds to complete the project. This resulted in a cost savings near $600,000.00. We are as technically advanced as we can be at this time for both the primary and back up centers and are looking forward to NextGen technology in the next few years.

Appendixes

A - PSAP Back up Plan

B – Plan Approval

C – MoA Rowan/Cabarrus

D –

a. Back up Center Grant Application
b. Back up Center Grant Budget
c. Back up Center Grant Award

E – Final Budget Report

F – Pictures of Back Up Center in various stages

NC DIT NORTH CAROLINA DEPARTMENT OF INFORMATION TECHNOLOGY

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY & STATE CHIEF INFORMATION OFFICER

August 3, 2018

Pokey Harris
Executive Director
NC 911 Board
Department of Information Technology
PO Box 17209
Raleigh, NC 27619-7209

Dear Ms. Harris:

The NC Center for Geographic Information and Analysis (CGIA) is pleased to submit the final report for the Eastern Piedmont 2017 (EP17) orthoimagery project. This phase was the second step in the four-year cycle to refresh orthoimagery for eastern Piedmont counties last updated in 2013.

The EP17 project area consisted of 26 counties and included military installations at Fort Bragg and Seymour Johnson AFB. CGIA and the team worked closely with the military throughout the planning and execution of the flights, ultimately delivering orthoimagery to the bases as part of the PSAP delivery. CGIA retained the full project team that has led the effort since 2012 including NCDOT Photogrammetry, NCDPS-Geodetic Survey, and the Secretary of State-Land Records Management Program. The project began in July 2016 and ultimately engaged four private sector firms to fly and produce the imagery. The project team worked with 32 PSAPs in the project area to review 8,830 square miles of orthoimagery, approximately 58% of the project area, to satisfy the quality assurance goals of the project.

The project delivered 15,145 square miles of orthoimagery in the EP17 project area in December 2017. This consisted of 16,889 tiles at 5,000 feet by 5,000 feet each. The delivery to the 32 PSAPs occurred approximately six weeks earlier than any previous delivery from the program. Streamlined processes, high quality data from contractors, and the readiness of PSAP and state reviewers to quality check the product all contributed to the early delivery.

The imagery was posted to *NC OneMap* for public access in mid-December following the regional PSAP delivery meetings. Project closeout occurred in June 2018 without any additional corrections to the data.

The project was also successful from a fiscal standpoint, achieving a cost savings of $347,564 (or 9%) under the approved budget. On behalf of the team, I would like to thank you and the NC 911 Board for your ongoing support and confidence in the program as we deliver a valuable product that is a foundation for Next Generation 911 and of tremendous benefit to all North Carolinians.

Sincerely,



Tim Johnson, GISP
Director, NC Center for Geographic Information and Analysis

attachment

Statewide Orthoimagery Program

Eastern Piedmont Orthoimagery 2017

FINAL REPORT

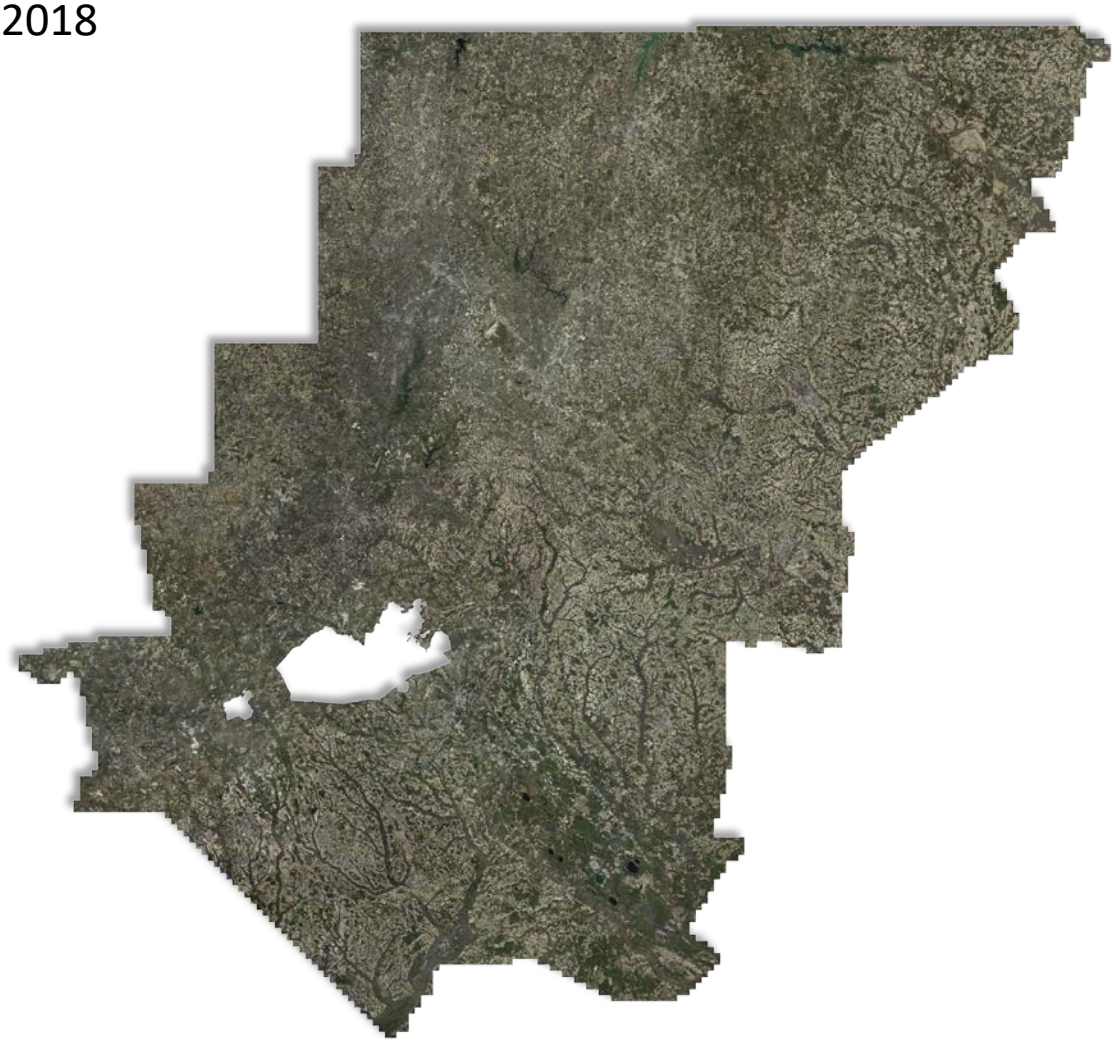
Prepared by:

NC Center for Geographic Information and Analysis

Prepared for:

The North Carolina 911 Board

June 2018



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1. Executive Summary

The NC Center for Geographic Information and Analysis (CGIA) serves as the project manager for the NC 911 Board Statewide Orthoimagery Program. This program is defined by four distinct geographic phases across the State. The NC 911 Board is the client for the orthoimagery product. The NC 911 Board requires a consistent, accurate, high quality seamless digital imagery product for distribution to Public Safety Answering Points (PSAPs) across the study area. Phase 2 (Eastern Piedmont 2017) is the subject of this report. This phase is the second of four to complete the third pass of the state (Cycle 3). The purpose of the project was to acquire and deliver high resolution imagery to the Primary PSAPs emergency operation centers in 26 counties identified in Table 1.

Bladen Central	Granville County Emergency Services	Moore County Emergency Services	Rocky Mount Central Communications
Cary Police Department	Halifax County Central Communications	Nash County Central Communications	Sampson County 911 Communications
Chatham County Emergency Operations	Harnett County Communications Center	Northampton County Communications	Sanford Police Dept. Communications Center
Cumberland County 9-1-1	Henderson-Vance 911 Center	Orange County Emergency Communications	Scotland County Emergency Communications
Durham Emergency Communications	Hoke County Emergency Communications	Person County Emergency Communications	Tarboro Police Communications
Edgecombe County 911	Holly Springs Police PSAP	Raleigh-Wake County Emergency Comm Center	Warren County E-911 Communications
Fayetteville Communications	Johnston County 911 Communications	Richmond County Emergency Center	Wayne County Central 911
Franklin County Communications Center	Lumberton Communications Center	Robeson E-911 Communications Center	Wilson County Emergency Communications

Table 1: Locations of Primary PSAP Clients

Imagery is a mission critical asset that supports accurate, timely and effective placement of 911 calls in correct locations. The technical framework for this project was to deliver an advanced technology solution for data sharing and accessibility to current imagery resources by 911 operations, individual counties, and North Carolina's citizens. That solution, and the ultimate deliverable for this project, culminated in the distribution of data to 911 PSAPs and county recipients and the means to access the data online. This report will document details of the following core

principles, paradigms of the Program. This executive summary will make conclusions and demonstrate success in meeting those objectives:

1) Provide a comprehensive, consistent, high quality, high resolution imagery product that is seamless across PSAP jurisdictions, county boundaries and city limits for all Primary PSAP call centers in North Carolina.
2) Instill confidence in 911 call dispatchers in the images and maps displayed in PSAPs across the state.
3) Realize the NC 911 Board's vision to provide all North Carolinians equivalent, up-to-date base imagery that supports detailed mapping of streets and building locations, as well as accurate mapping of property boundaries.
4) Create a statewide geospatial building block for Next Generation 911.
5) To engage firms qualified to provide services based on demonstrated competence and qualification for the type of professional services required without regard to fee.
6) Realize the full potential of the NC OneMap Geospatial Portal for organizing and providing access to statewide, high-resolution imagery.
7) Adhere to the *North Carolina Technical Specifications for Digital Orthophoto Base Mapping* (the State Standard) adopted October 1, 2009 (and updated in December 2014).
8) Accomplish the Project Team's objective of delivering the highest quality deliverable and rely on the Project Team to administer a proactive approach to project delivery rather than engage in reactive measures to quality issues.
9) Perform oversight and accountability of sub-contractors through multiple deliverables of core compliance deliverables.
10) Provide a portal of simple communication through web content mapping and deliver a central means of project communication and collaboration through Microsoft SharePoint.
11) Institute a three-tiered approach to quality review through active participation by NCDOT, CGIA, and the PSAP and county end-user community and thus realize the NC 911 Board's requirements for early QC by stakeholders.
12) Deliver a product that represents the truest depiction of the highest quality imagery.

1.1. Cost and Schedule

CGIA relies on sound costing methods, actuals, and comparable contractor cost balancing comparisons and per unit indicators. Private contractors account for almost 76% of the budget and therefore monitoring the NC 911 Board's investment is a top priority of the program. Costs for each phase are submitted annually. Since 2012, project costs have come in almost $2.5M under the combined authorized budgets for all projects during this period. The primary reasons for these savings are cost negotiations with private contractors, more efficient technological solutions for imagery acquisition and processing, and better cost forecasting. CGIA utilizes an inflationary costing model based on project actuals that serves to provide a solid foundation and baseline to serve as the basis for forecasts. Past performance has demonstrated that costs are attributed to three primary factors: (1) the cost of fuel and overhead inflation; (2) the efficient use of advanced 2nd Generation sensors; and (3) the complexity of the study area, most notably the difficulty in the mountains. In the 2017 project, the decreasing price of jet fuel and a compressed schedule for delivery combined to create a significant cost savings for the NC 911 Board. In addition, efficiencies gained through use of new LiDAR (or elevation) data products derived by the state's investment yielded less errors tied to elevation.

In terms of the overall budget, CGIA demonstrated a project underrun of $347,564.27 or a 9% savings to the NC 911 Board. This is largely attributable to a sub-contractor surplus of 7%, a CGIA labor surplus of 17%, and a DIT Server Hosting surplus of 83% due to decreases in DIT server storage rates.

1.2. Quality, Compliance, and Oversight

CGIA mandates the need for a technical oversight body and puts oversight, accountability, and compliance at the forefront of priorities. The project team backs all decisions and specifications on sound industry practice and quantitative analysis and bases its deliveries and deadlines on firm and reasonable timeframes. To achieve the Project Team's objective of administering a proactive approach to quality, contracted requirements were implemented for the delivery of core attachment deliverables of signed and sealed compliance documentation as follows either per study area, per aerial triangulation (AT) block, or per county for a total of 48 reports.

1. *Flight and Control Plan (4)*
2. *Ground Control Survey Report (4)*
3. *Imagery Acquisition Compliance Report (5)*
4. *Airborne Global Navigation Satellite System-Inertial Measurement Unit (GNSS-IMU) (Post Processing & Aerotriangulation Report (5)*
5. *Orthoimagery Delivery Report (26)*
6. *Final Report (4)*

Per the direction and vision of the NC 911 Board, local stakeholders, as well as the Project Team, were actively involved early in the visual quality assurance/quality control process ultimately yielding a better product with minimal follow up issues. Specifically, a representative sample of 30% NCDOT, 5% CGIA, and a 25% County quality review of the study area was the desired goal. In 2017, approximately 8,830 square miles were reviewed that represents 58% of the total study area. This is accomplished through a system called VOICE. VOICE (Virtual Online Inspection, Checking and Editing) is a GIS web-based tool that hosts imagery stored in the cloud. VOICE contains a suite of tools that facilitate quality control of all imagery developed for the project. The VOICE tool was well received by the PSAP and local government reviewers as an effective means of contributing to the quality control process. VOICE satisfied the following objectives:

1. Satisfies the NC 911 Board's requirement to provide end users the ability to review the product prior to delivery.
2. Provides secure access by end-user points of contract to review imagery as it is completed by contractors.
3. Stores imagery hosted in the cloud thus eliminating the need to deliver external drives that increase costs and scheduling.
4. Provides an effective solution for reviewing imagery seamlessly.

Overall, the quality review process involved a high level of end-user participation and support. Due to project efficiencies gained from improved level 1 review by contractors and from improved elevation data for the region, 94% of tiles that were reviewed were passed without any errors reported. This is a significant increase over the 2013 project in the same region that resulted in 90% of tiles that were reviewed that were passed without any errors. Table 2 demonstrates the final issues statistics derived from VOICE.

County	Units Per County	Percent Reviewed	Passed Review	County	Units Per County	Percent Reviewed	Passed Review
Bladen	1,014	41%	98%	Northampton	670	60%	94%
Chatham	813	45%	97%	Orange	462	66%	91%
Cumberland	735	61%	88%	Person	485	56%	89%
Durham	337	68%	94%	Richmond	602	98%	70%
Edgecombe	590	49%	99%	Robeson	1,133	44%	75%
Franklin	550	51%	94%	Sampson	1,093	43%	97%
Granville	611	60%	98%	Scotland	376	50%	87%
Halifax	829	60%	94%	Vance	302	51%	92%
Harnett	672	63%	85%	Wake	951	69%	86%
Hoke	441	61%	94%	Warren	524	60%	97%
Johnston	888	60%	90%	Wayne	652	60%	94%
Lee	289	63%	98%	Wilson	423	77%	95%
Moore	828	70%	81%				
Nash	609	51%	94%				
				Total	**16,879**	**58%**	**90%**

Table 2: Final VOICE Statistics

1.3. Project Advancements

In 2017, CGIA continued to improve project efficiency by consolidating the Quality Control timeline which resulted in the final product being delivered to all PSAPs six weeks earlier than in previous projects. This was achieved by having private contractors deliver two counties at a time to VOICE for review that allowed for simultaneous review by more end-users. Also, CGIA invested in newer hardware for receiving the final imagery files and processing the imagery to create final products. These investments in hardware cut processing times in half and modernized the workflows used for assembling PSAP deliverables. The time savings were vital to facilitating the delivery of all final products to each PSAP in early December, instead of late January as in past projects.

Also during the 2017 project, CGIA worked closely with the contractor responsible for the Raleigh downtown region to test and develop an improved product that the industry calls true orthoimagery. This product builds on the increased flight planning and overlapping flight lines that have been required on the urban areas of past projects. In addition to those past requirements, this new method requires 3D modelling of tall structures and increased processing techniques that remove all building lean. Figure 1 demonstrates how this improved product allows an unobstructed view of all sidewalks and roads that surround tall structures.



Figure 1: Typical Nadir Orthoimagery (Left) compared with new processing requirements for tall structures (right)

Another advancement was a new requirement for private contractors to submit a preliminary online streaming imagery service of their entire study area prior to the online VOICE Quality Control process. These services were brought into an online application developed by the project team to view all contractor imagery relative to one another. This facilitated the assessment and elimination of regional color and radiometry differences between the contractors before the end-users began their review, which in turn allowed them to focus on identifying typical errors in the imagery instead of spending their time addressing color inconsistencies.

2. Project Background

Digital aerial imagery is the most fundamental dataset for use with geographic information systems in local, state, and federal government and in numerous private and non-profit organizations. The 2010 Statewide Orthoimagery project confirmed that imagery is used by Public Safety Answering Points (PSAP) for visual reference and for accurate street mapping, by counties to map property boundaries and infrastructure, and by a range of users to display land use and impervious surfaces.

Orthoimagery is used in search and rescue operations, by the state emergency management office for emergency response planning and development of hazard mitigation plans, and by the floodplain program to develop flood insurance rate maps; it is used by the NC Department of Agriculture and Consumer Services for bio-emergency planning operations; it is used by the NC Department of Transportation (NCDOT) for highway mapping and planning; and by numerous other local, state and federal organizations to get a clear, current, and accurate picture of the landscape. In addition, other groups, such as the engineering and surveying industry, utilities, and real estate development use aerial imagery to meet their location-based business needs. The North Carolina Geographic Information Coordinating Council recognized orthoimagery as a priority dataset, and the GIS Study, requested by the

General Assembly and conducted by the NC Office of State Budget and Management, recommended funding of orthoimagery as a key dataset that would yield multiple benefits.

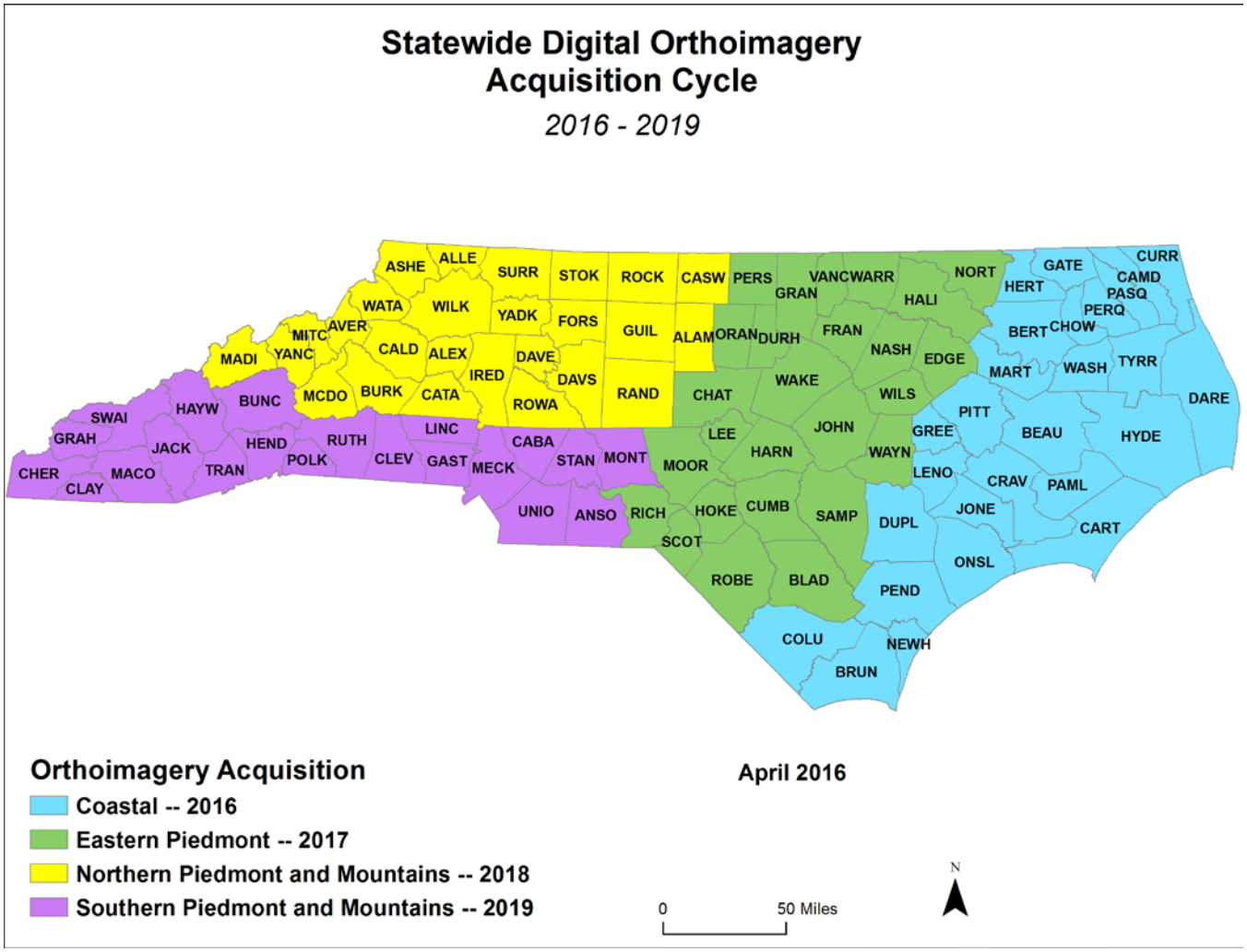


Figure 2: Statewide Orthoimagery by County, North Carolina

Figure 2 illustrates the 2016-2019 cycle of orthoimagery acquisition. Continuing the success of the Statewide Orthoimagery Program the Board approved the second four-year cycle of orthoimagery acquisition based on the Business Plan for Orthoimagery in North Carolina and its recommended annual approach. CGIA and the Project team updated the cycle by including Columbus and Duplin into Phase 1 because of the similar physiography that would lend to a more rationale per unit costing. Phase 2 was also updated to include Moore, Richmond, and Scotland as to facilitate management of Ft. Bragg only once over four years.

2.1. Achievements

The Eastern Piedmont Orthoimagery 2017 project achieved all objectives and requirements. In summary, imagery of the highest quality was delivered on time and within budget to Primary PSAPs and county representatives in 26 counties (Table 1). The state project team consisting of the North Carolina Center for Geographic Information and Analysis (CGIA), NCDOT, NC Department of Public Safety-Geodetic Survey (NCGS), and the NC Department of the

Secretary of State-Land Records Management Section worked closely throughout the project to address technical and policy issues and provide oversight to the five private contractors assigned to the project.

Local stakeholders were actively involved early in the quality assurance/quality control process yielding a better product with minimal follow up issues. The quality control process continued to utilize the VOICE cloud-based solution for interactive review of imagery thus making the review process more efficient than traditional methods. The VOICE tool was well received by the PSAP and local government reviewers as an effective means of contributing to the quality control process. The orthoimagery was successfully loaded onto the NC OneMap Geospatial Portal, enabling free and quick access by public and private sector users.

2.2. Deliverables

Technical

1) Orthoimagery, true color with 0.5-foot resolution in 5,000 by 5,000 foot tiles (equivalent to a mapping scale of 1 inch – 200 feet) in GeoTIFF, MrSID (20:1 compression ratio), and 50:1 compression ratio) format to 28 county and municipal Primary PSAPs
2) Project metadata in txt, HTML, and XML format per county
3) Continuously Operating Reference Station (CORS) network report
4) NC OneMap Geospatial Portal Image Services and applicable data
5) Outreach workshops
6) A functional and operable online QC application
7) 60-day local review and client satisfaction period
8) A minimum of 60% coverage area visual quality control that confirms a product free of degradation and most resembles the truest representation of the highest quality imagery

Reports and Requirements Documentation

1) Weekly contractors' status reports
2) Monthly invoicing and accomplishments
3) Distribution schedules
4) Documentation providing permissions, limitations, and any restrictions regarding collection and use of orthoimagery comprising military properties within the Scope of the Project
5) Seven core project compliance documentation deliverables
6) Final Report and Contractors' Lessons Learned Reports
7) Guidelines for orthorectification specifications and procedures
8) NCGS horizontal quality review reports
9) 60-day local review and client satisfaction period customer surveys

3. Schedule and Milestones

The project schedule covered 110 weeks from July 1, 2016 through June 30, 2018, defined by four blocks of core phases including six months of Qualifications-Based Selection and project planning, two months of acquisition, four months of post processing, four months of quality review, two months of post-delivery review, NC OneMap implementation, and closeout.

Table 3 represents the components of the project. The project team established planned start and finish dates early in the project for these milestones. Actual finish dates were recorded when milestones were completed.

Task	Item	Planned Start	Planned Finish	Actual Finish
1	**Project Initiation**	**7/1/2016**	**2/1/2017**	**1/24/2017**
	Issue RFQ for Orthoimagery QBS	8/31/2016	8/31/2016	8/31/2016
	Closing date for RFQ responses	9/22/2016	9/22/2016	9/22/2016
	Contract NCGS	8/1/2016	8/1/2016	8/16/2016
	Contract NCDOT	8/1/2016	8/1/2016	8/15/2016
	Host workshop for selected applicants	11/2/2016	11/2/2016	11/2/2016
	Technical and cost proposals due	11/13/2016	11/13/2016	11/13/2016
	Negotiate with selected applicants	11/23/2016	11/23/2016	11/23/2016
	Conduct Kickoff Meeting	12/17/2016	12/17/2016	12/17/2016
	Contract QC Service Provider	2/1/2017	2/1/2017	1/24/2017
2	**Planning and Design**	**10/15/2016**	**4/30/2017**	**4/30/2017**
	CORS Upgrades	10/15/2016	3/1/2017	3/1/2017
	Validation Range	10/15/2016	1/15/2017	12/1/2016
	RTN Maintenance	10/15/2016	Ongoing	Ongoing
	Control Surveys and Attachment C-1: Control Surveys Report	4/3/2017	4/3/2017	3/24/2017
3A	**Acquisition**	**2/1/2017**	**5/1/2017**	**4/28/2017**
	Acquire 26 Counties	2/15/2017	4/15/2017	2/26/2017
	Attachment D: Imagery Acquisition Compliance Report	2/1/2017	4/29/2017	3/15/2017
	Pilot samples	2/1/2017	4/20/2017	4/20/2017
	Ortho Generation Workshop	4/20/2017	4/20/2017	4/11/2017
	Pilot samples final	5/1/2017	5/1/2017	4/28/2017
3B	**Acquisition Post-Processing**	**2/1/2017**	**5/29/2017**	**6/29/2017**
	Attachment E: GNSS-IMU Post Processing & Aerotriangulation Report	3/1/2017	5/27/2017	6/23/2017
	Project Web Map Service	6/8/2017	6/8/2017	6/29/2017
4	**Quality Review Production and Product Delivery**	**7/31/2017**	**12/30/2017**	**11/2/2017**
	QC Production Cycle	7/31/2017	12/30/2017	11/2/2017
5	**Implementation**	**1/31/2018**	**3/30/2018**	**2/28/2018**

	Product Delivery	1/19/2018	1/28/2018	12/11-12/13/2017
	Implement the NC OneMap Geospatial Portal solution	2/1/2018	2/1/2018	12/11/2017
	60 day End-User Evaluation	1/16/2018	3/30/2018	2/28/2018
6	**Project Closeout**	**4/1/2018**	**6/30/2018**	**5/31/2018**
	Final Data Packaging and Final Reports	4/1/2018	5/31/2018	5/31/2018
	Project Closeout	6/1/2018	6/30/2018	5/31/2018

Table 3: Project Milestones

4. Project Scope and Management

This collaborative project took advantage of strategic resources from statewide 911 management and operations, the core collaboration project team, state standards and specifications, state technical services, the statewide GIS coordination structure, and ongoing statewide initiatives. The following are the specific project responsibilities shared and distributed among the six core members of the project collaboration team. Figure 3 is the project organization chart.

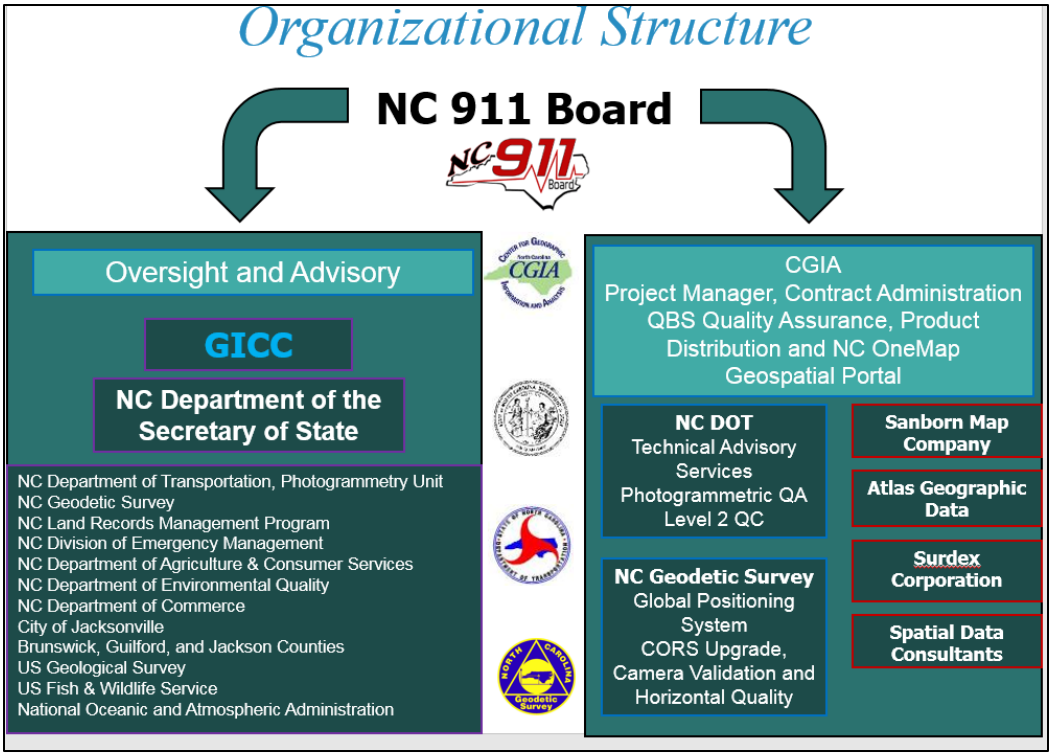


Figure 3: Project Collaboration Team

4.1. NC 911 Board

The NC 911 Board is the client for the orthoimagery product. The NC 911 Board requires a consistent, accurate, high quality product for distribution to PSAPs across the study area. It provided guidance to CGIA through the planning, implementation, and delivery stages of the project. The NC 911 Board received periodic briefings and monthly status updates on the project and provided feedback to the project team as needed.

4.2. NC Center for Geographic Information and Analysis (CGIA)

CGIA performed services including Qualifications-Based Selection processes, project administration, invoicing, quality control, and product delivery. The agency houses the NC OneMap Geospatial Portal and specified the detailed requirements for information technology upgrades in the NC OneMap framework. CGIA performed outreach by communicating with counties and cities, contractors, state agencies, federal partners, and the public to explain the products and benefits of the program, performed quality review of 5% of the project study area, insure compliance with DOD national security, and served as project manager for a collaboration of state agencies under contract to the Department of Information Technology (DIT). These included the NC Department of Public Safety-NC Geodetic Survey (NCGS), the NC Department of Transportation (NCDOT) Photogrammetry Unit, and five private sector contractors. In addition, CGIA solicited guidance and recommendations from the Department of the Secretary of State and the Working Group for Orthophotography Planning within the Statewide Mapping Advisory Committee.

4.3. NC Department of Transportation (NCDOT) Photogrammetry Unit

NCDOT performed technical and advisory services. NCDOT has expertise and experience in managing orthoimagery acquisition, utilizing software for evaluating photogrammetric deliverables, performing oversight, developing, evaluating, and approving compliance documentation, and managing and performing visual quality control of up to 30% of the study area. NCDOT served as the core responsible party for insuring compliance of photogrammetry specifications.

4.4. NC Department of Public Safety-NC Geodetic Survey (NCGS)

NCGS performed technical advisory services for survey control, establishing field network systems, performing field maintenance, and for managing independent field quality control through a QBS process. NCGS has expertise and experience in managing photogrammetric deliverables, performing oversight, developing, evaluating, and approving compliance documentation, and managing and performing field quality control. NCGS served as the core responsible party for upgrading and maintaining the Continuously Operating Reference Station (CORS) network for GNSS in North Carolina, maintaining the aerial camera validation range located in Surry County, setting survey control standards, and administering compliance for horizontal quality control.

4.5. NC Department of the Secretary of State (NCSOS)

The Department of the Secretary of State (NCSOS) is the author of the State *Standard* for orthoimagery acquisition. This standard was used as a foundational component of the statewide effort to ensure accuracy and consistency in the final product delivered to the PSAP community and other users. NCSOS served as the core responsible party for administering compliance to the orthophoto standards that serve as the fundamental framework of specifications for the acquisition contractors.

4.6. NC Primary Public Safety Answering Points

The Primary Public Safety Answering Points (PSAPs) and the local government representatives were critical to the successful completion of the project. These collaborators are the local experts for their geographic area. PSAP and county representatives performed early quality review and submitted issues for resolution, received final delivery of the orthoimagery product from CGIA, and performed final 60-day review of the orthoimagery products.

4.7. Photogrammetric Services Contractors

Private contractors, managed by CGIA with support from collaborating members of the state project team, performed aerial imagery acquisition and processing of 26 counties. The four primary contractors were: Atlas Geographic Data, Sanborn Map Company, Spatial Data Consultants, and Surdex Corporation.

5. Project Phases

The purpose of this section is to summarize the core phases of work, to document the relevant variations in this project relative to the 2016 effort, and to present future recommendations. The Statewide Orthoimagery Program consists of four mirrored phases each consistent in approach where each subsequent phase builds not only on the success of the previous phase but also on recommendations for improvement. The project term begins in July and proceeds through a two-year cycle ending in June. The project lifecycle is defined by four core blocks:

5.1 Project Initiation, QBS, Procurement, and Planning
5.2 Imagery Acquisition and Post Processing Production
5.3 Quality Control
5.4 Implementation and Closeout

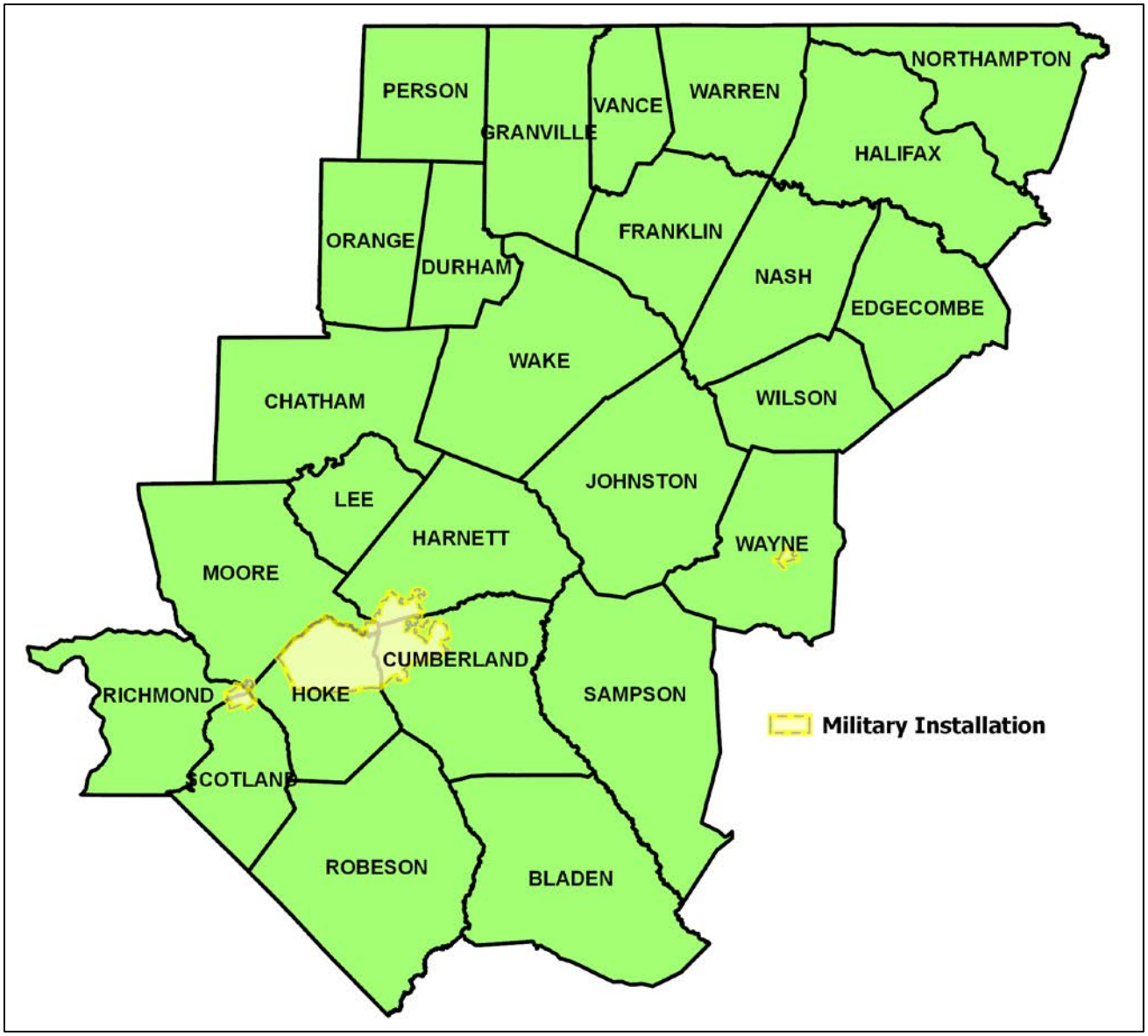


Figure 4: Project Area

5.1 Block 1: Project Initiation, QBS, Procurement, Planning (Jul 2016 – Jan 2017)

The purpose of this block is to develop contracts with public and private sector project partners, and begin other administrative tasks in preparation for orthoimagery acquisition. The magnitude of this project required engagement of four private photogrammetric services contractors with specific expertise in photogrammetry. CGIA adheres to the guidelines set forth in the Mini-Brooks Act (G.S. 143-64.31 et seq) to select firms qualified to provide such services based on demonstrated competence and qualification for the type of professional services required without regard to fee.

Also during this block, communications with personnel at military installations were initiated to facilitate planning and acquisition of imagery on and around these installations. They included Seymour Johnson Air Force Base, Fort Bragg, and Camp Mackall. Coordination with these military partners is critical to ensure that the acquisition flights are not hindered by restricted air space and that adequate ground control can be collected in these areas.

5.2 Block 2: Acquisition and Post Processing Production (Jan 2017 – Jun 2017)

The purpose of this task is to finalize technical planning details, initiate acquisition and complete before leaf-on conditions, conduct workshops, finalize radiometry requirements, initiate outreach, implement the VOICE quality review application, and develop, engage, review, and approve quality compliance documentation. The project study area is depicted in Figure 4.

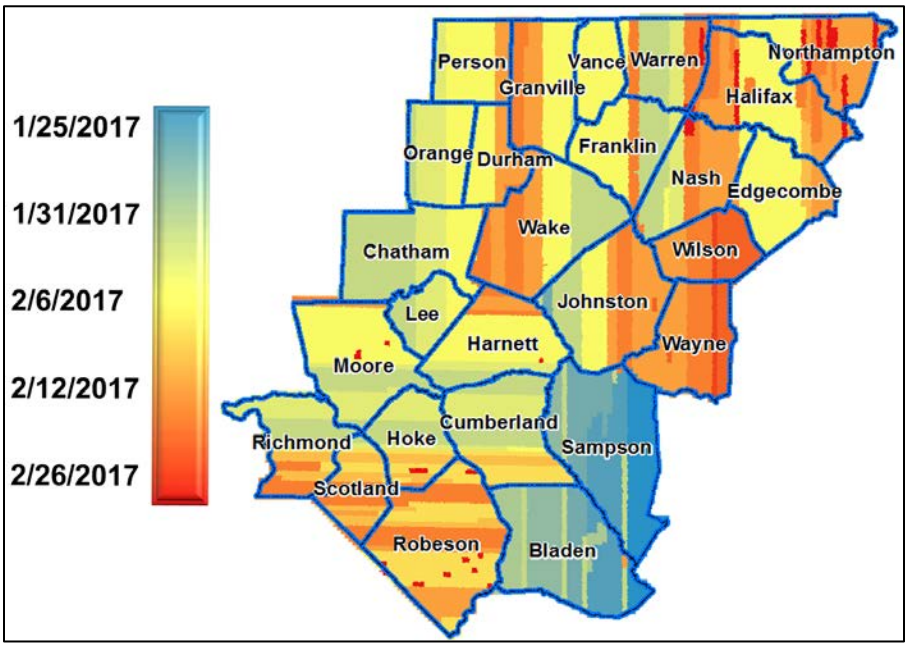


Figure 5: Final Acquisition

The most significant achievement of this phase was an early overall acquisition season with 31% of all imagery acquired in January. All acquisition was completed by the end of February thus insuring the primary specification of leaf-off was met. This was an especially significant achievement as this project area includes the Fort Bragg installation and secure air space. Due to this secure air space, it required a great deal of coordination and effort to obtain access to this area for control surveys and for acquisition. Therefore, completing all acquisition in such a short period of time is a testament to the hard work and proactive planning of the project team and contractors. Figure 5 summarizes the acquisition for 2017. As noted by the range of dates on the map, this highlights the early acquisition for this project year. By the end of February, 100% of the project area was acquired.

The Team relies on NOAA data for cloud cover and USGS flood gage data for river conditions throughout the acquisition window. Graphing these conditions along with the number of exposures collected each day, as seen in Figure 6, provides an excellent overview of conditions on the ground that could have affected the acquisition and overall look of the final product. Equally as important, this data serves to document contractor performance used for QBS to evaluate whether opportunities were missed during the acquisition window.

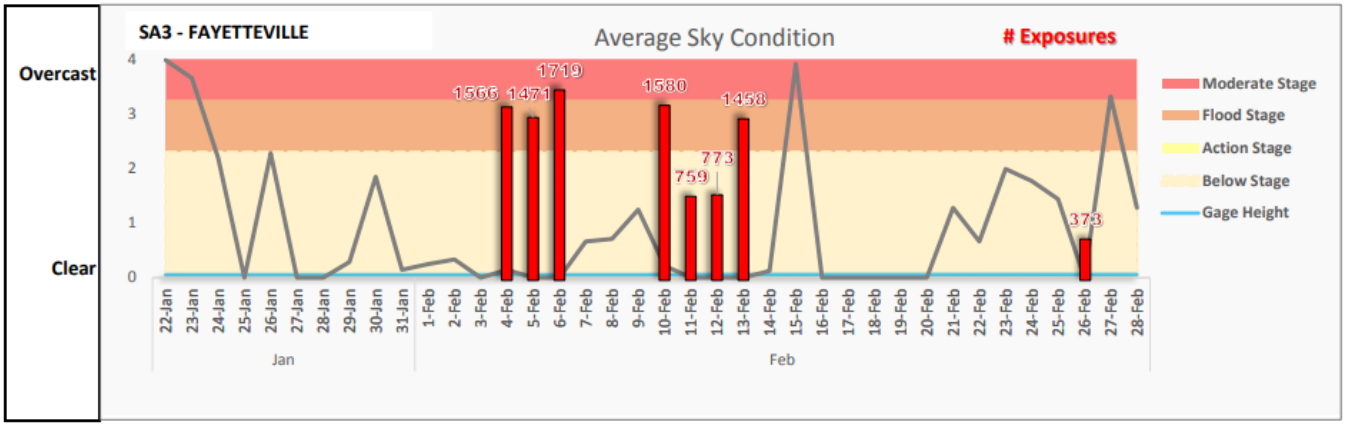


Figure 6: Weather conditions compared to amount of imagery collection during acquisition

5.3 Block 3: Quality Control (Aug 2017 – Nov 2017)

The purpose of this task is to perform a full circle quality review to assure that the imagery meets state specifications and is free of systematic errors or systematic visual quality issues and to verify the quality and completeness of the product (including review, issues submittal, resolution, resolution submittal review, and signoff). Per the direction and vision of the NC 911 Board, local stakeholders and the Project Team were actively involved early in the visual quality assurance/quality control process ultimately yielding a better product with minimal follow up issues. Specifically, a representative sample of 30% NCDOT, 5% CGIA, and a 25% County quality review of the study area was the desired goal. In 2017, approximately 8,830 square miles were reviewed that represents 58% of the total study area. This is accomplished through a system called VOICE. VOICE (Virtual Online Inspection, Checking and Editing) is a GIS web-based tool that hosts imagery stored in the cloud.

In addition, this Block consists of developing the alternative Multi-Resolution Seamless Image Database (MrSID) products (including a single file product that extends seven miles outside the county boundary), assembling neighboring county imagery, reviewing other applicable relevant data such as metadata, and packaging for delivery.

5.4 Block 4: Implementation and Closeout (Dec 2017 – May 2018)

1. Deliver the final imagery through regional meetings. Each Primary PSAP will always receive a portable disk drive that covers the minimum seven miles outside of their applicable counties. The products were distributed in a set of four regional meetings over 26 counties between December 11 and December 13, 2017
2. Make public release of data on NC OneMap and implement DIT hosting services
3. Evaluate the deliverable through a 60-day evaluation period
4. Review final report submittals and develop final project report
5. Perform final project management activities relevant to closeout and financial assessment

6 Project Website (https://nconemap.gov/Orthoimagery.aspx)

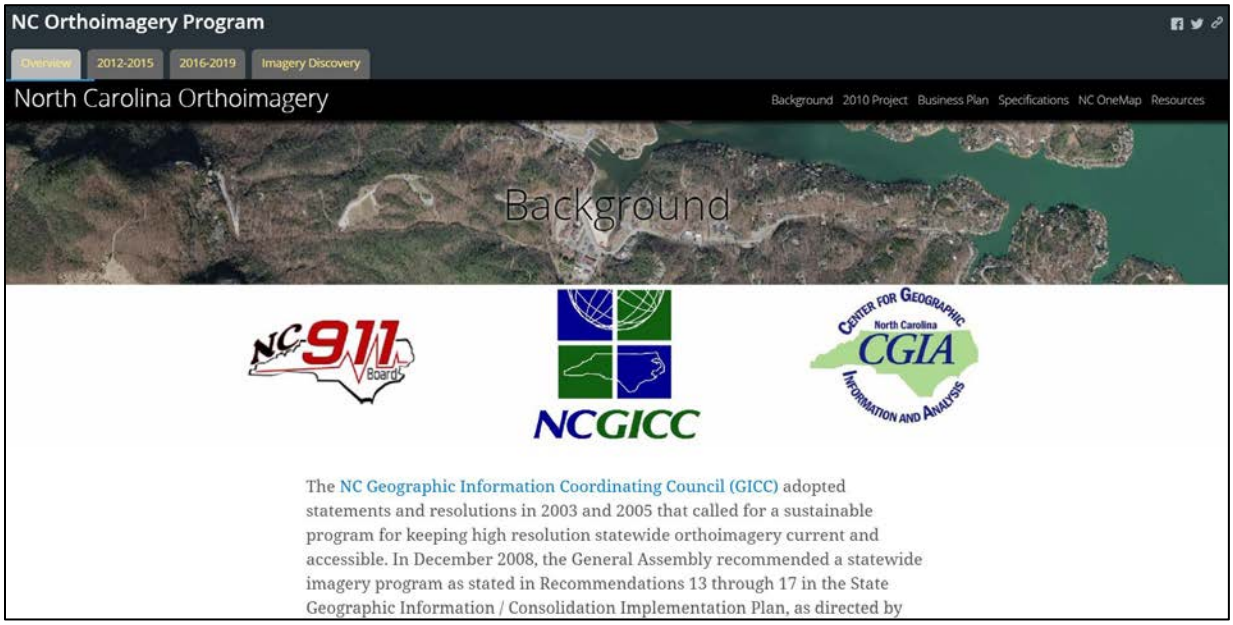


Figure 7: New program overview website

Maintaining a project website facilitates simple communication through web content mapping and delivers a central means of project communication. As part of the 2016 and 2017 projects, this line of communication went through a major transition into an overall program site containing useful applications for assessing project status, learning about the history of the program (Figure 7), and accessing end products through imagery discovery tools and tutorials. The primary enhancements and objectives are:



Figure 8: Navigation tabs for project pages and program information

1. Eliminate one unique website per phase while at the same time remove redundant presentation of the overall Program and address as a single point of source for new PSAPs and/or those new to the Program. Figure 8 demonstrates how users can easily navigate between tabs for the overview and history of the program, the separate 4-year cycles, and Imagery Discovery applications.

2. Maintain completed phases to access relevant information and statistics such as acquisition dates and contractor study areas.

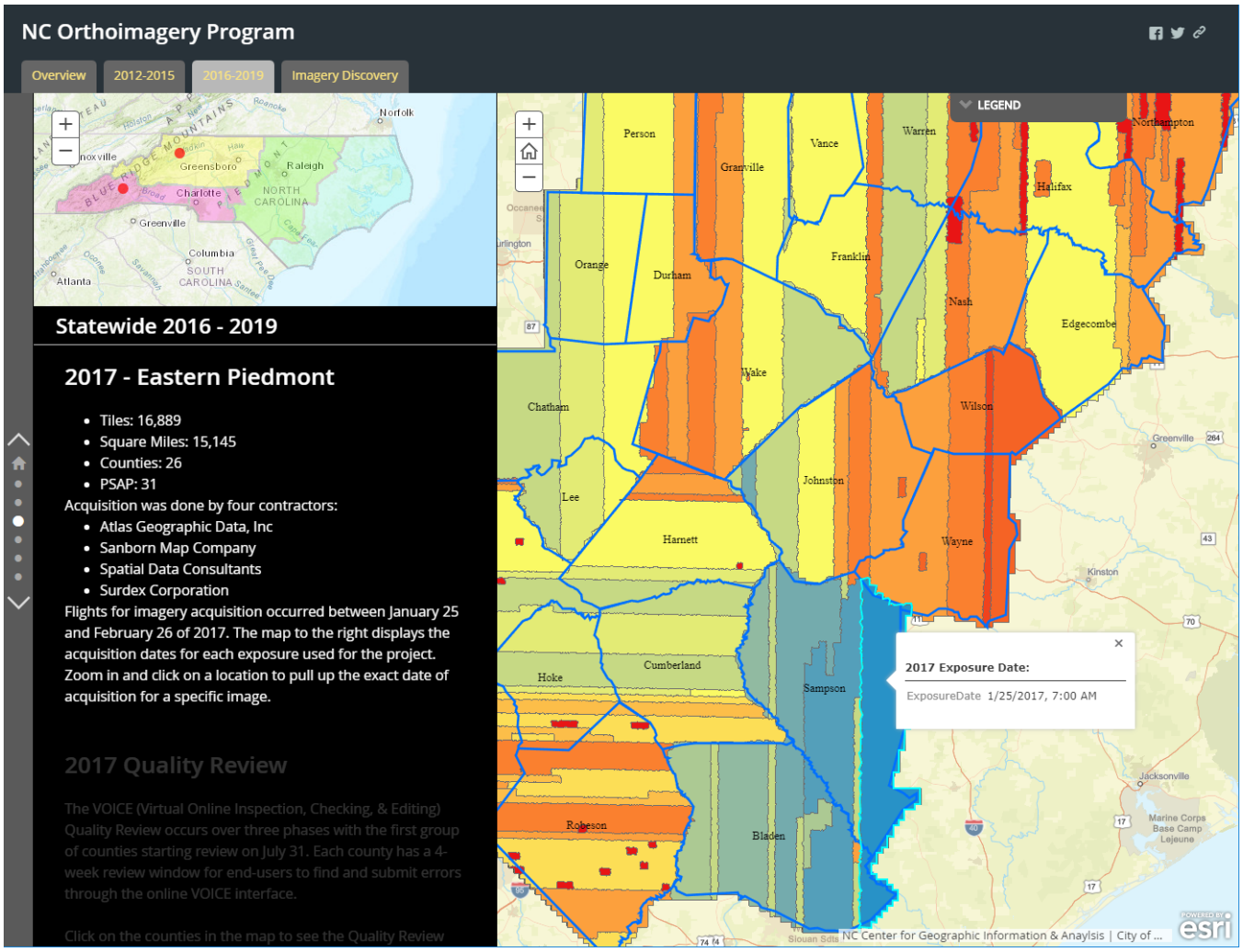


Figure 9: Project page displaying acquisition status and dates of imagery collection

3. Maintain existing or in-progress phases as continuing updates on news, status, and important need to know topics such as QC schedule. Figure 9 displays the 2016 project information that details the imagery acquisition dates. Other information included here can be used to see information about contractor study areas, quality review results, and basic details about the project area.

4. Reduce the amount of language and address topics through interactive presentation.

5. Provide PSAP end-users a simple means to identify exact areas of deliverables that represent what exists in their CAD systems. At the same time, allow end-users the means to identify specific data from the inventory delivered to the PSAP.

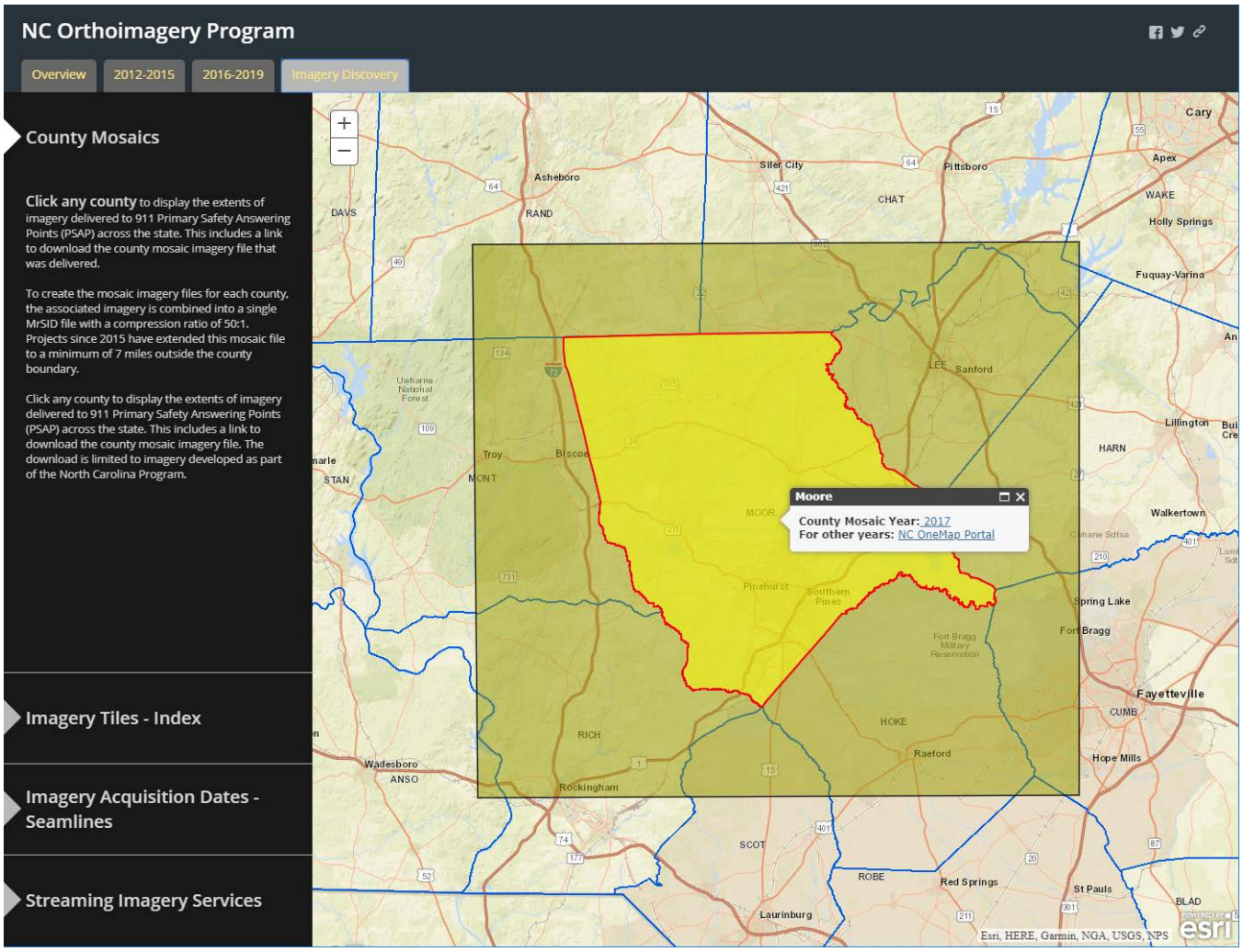


Figure 10: Imagery Discovery section for users to identify deliverables, download imagery, and learn more about the available end products

6. Finally, provide an easy method for PSAPs to download updated prior phase data for neighboring counties. The application shown in Figure 10 allows users to click on any county and download the latest single-file mosaic of imagery for that county.

7 Recommendations and Variations

Table 4 serves to summarize and document the relevant implemented variations and proposed recommendations for the project organized by the four core phases of work (Project Initiation, QBS, Procurement, and Planning):

Table 4: Project Variations and Recommendations

VARIATION	RECOMMENDATION
Project Initiation, QBS, Procurement, and Planning	
Removed Adequate Staff and Workload selection criteria since it was partially redundant of another selection criteria (Adequate Equipment, Storage, and Capacity). The 5% weighting from the removed criteria was added to the Technical Specifications Approaches criteria to give it a weight of 15%. An emphasis should be put on the technical approaches of the proposals to demonstrate an understanding of the project and its requirements.	Initiate the RFQ a month earlier to facilitate generating purchase orders near the Thanksgiving period. This will serve to (1) relieve stress on agreements being in place at project kickoff and (2) allow local governments to react to potential piggy-back opportunities.
Imagery Acquisition and Post Processing Production	
The Project implemented past recommendations for strategically located radiometry targets where two contractors border one another when possible to facilitate matching and visual consistency between them. The targets provided were also full tiles from past projects that were adjusted to what the project team deemed was acceptable. In the past, raw frames were provided and may not have provided enough final imagery specifications for the contractors. Also implemented a past recommendation to eliminate a percentage-based sample raw deliverable. After acquisition began, contractors provided sample raw frames of imagery at strategic locations to the project team. CGIA and NCDOT worked together to adjust the sample images to be consistent among all samples. Then these adjusted samples were provided back to the contractors to serve as guidelines as they processed their imagery.	Recommendations for radiometry evaluation continue to see the need for improvement. Provide only one target to all contractors when submitting initial radiometry targets to the contractors, instead of a landcover-based approach that submits multiple targets. Also require only one set of fully developed tiled regional samples from contractors, instead of requiring both raw frames and then fully developed tiles. CGIA continued to increase technical expertise by participating in contractor workshops. The future recommendation is to participate in at least one workshop per phase as a further means of achieving more efficiency.

Before the Quality Control phase of the project began, the private contractors developed and submitted a preliminary online streaming imagery service containing imagery for their entire study area. These online imagery services were then able to be brought into an online mapping application developed by CGIA in order to view all contractor imagery together. Radiometry variations and differences were able to be identified and rectified prior to the imagery being reviewed by the end-users. This enabled end-users to save time in their reviews by not having to focus on the color of the imagery and instead focus on the regular review process. Add Moore, Richmond, and Scotland counties to the study area to allow for the entirety of Ft. Bragg and Camp Mackall military installations to be contained within a single project year. This will save time and money going forward as subsequent phases will not have to coordinate and account for these areas.	
Quality Control	
Instead of having 6 deliveries to the VOICE online QC application that contained only 1-2 counties each week, 3 deliveries were required that delivered 2-4 counties every two weeks. This allowed for a compressed QC timeline as more counties were reviewing simultaneously. This was the primary reason behind the overall project schedule compression by 6 weeks. CGIA invested in increase hardware capabilities for processing and assembling imagery products for PSAP deliveries. CGIA also took complete ownership of developing the alternative MRSID product to facilitate less back and forth downtime with NCDOT.	Continue to invest in increased hardware capabilities. As hard drive prices continue to come down, try to implement solid state hard drive requirements for deliveries from contractors to increase processing times required to process and assemble imagery products.
Implementation and Closeout	
The project implemented past recommendations and achieved a major milestone to compress the delivery schedule and delivered all imagery products by December 13, 2017. A major variation over the Eastern Piedmont 2013 project was the means to deliver secure data within all military boundaries internally to all the	Continue to improve lines of communication and the project website by implementing more of a dashboard for project summaries. Also develop content related to local and county contract piggybacking where additional products and services can be derived from the imagery collected in this program. Details about past local projects that were done on top of the 911 Board Projects show the value of the program and the benefits to these local communities. By educating end-

911 centers. In 2013, not all counties signed non-disclosure agreements required by Ft. Bragg to receive the data.	users about these options, additional projects may be undertaken and further increase the value to North Carolina.

8. Summary

The Eastern Piedmont Orthoimagery 2017 project continues the detailed approach to the second update cycle of the 2010 statewide orthoimagery product. The project team delivered 16,889 tiles of orthoimagery covering 15,145 square miles in December of 2017. This area included 31 PSAPs and encompassed 26 counties in the eastern Piedmont of North Carolina. The project team, PSAPs, and local governments reviewed 8,830 square miles that represents 58% of the study area. A total of 90% of the tiles passed the quality review process following review by the contractor, CGIA, NCDOT, and the PSAP and county GIS reviewers. The data was loaded into the NC OneMap data resource for widespread accessibility exactly on the scheduled date of December 14, after final delivery to the PSAP client.

The 2017 project continues the tradition of past NC 911 Board Orthoimagery projects of adhering to tight standards and oversight of contractor deliverables. It begins with engaging private contractors through competitive negotiations driven through qualifications and not low bid. Throughout the process, a focus is put on value to the NC 911 Board to ensure that a quality product is delivered to each PSAP at a reasonable cost. The Team administers tightened specifications based on 2nd generation sensor technology which in summary mean contractors can fly higher, faster, and generate less airtime resulting in savings to the NC 911 Board. At the same time, the Project Team evaluates economic indicators such as fuel price to make sure contractors prices are in line with trends and expectations and not linear curves of increase.

Adherence to project guidelines is of paramount importance. Through explicit contractual terms and conditions, CGIA will not tolerate sub-standard performance and will enforce compliance if applicable at no extra cost to the NC 911 Board. The project team performs internal assessments of the project, yielding lessons learned and recommendations for improvement in the areas of project planning/management, image acquisition and processing, quality control, and NC OneMap implementation. The project team strives to improve upon the program during each subsequent phase. In 2017, there were many improvements, including:

1. Final deliveries six weeks prior than past projects
2. Improved quality review schedules to allow for more simultaneous review by end users
3. Improved deliverables for downtown urban areas with tall structures that eliminates any building lean through 3D modelling and increase processing requirements
4. New task for private contractors to submit a preliminary online streaming imagery service of their entire study area prior to the online VOICE Quality Control process

The Eastern Piedmont Orthoimagery 2017 project was completed on time and under budget with a product that meets the needs of the PSAPs for current, consistent, accurate, and complete orthoimagery. The product has added benefits for many stakeholders beyond the 911 community thus satisfying the vision of the NC 911 Board for delivering a product accessible to all citizens of North Carolina.

9. Acknowledgements

This project achieved success because of the effective collaboration and teamwork among public agencies and private sector service providers. The project team would like to recognize the following participants for helping keep the project on task, on time, and within budget to the benefit of all.

NC 911 Board: Eric Boyette (Chair), Keith Werner (Interim Chair), Richard Taylor (Executive Director), David Dodd, David Corn, Tina Bone (Network Specialist/PSAP Liaison), and Marsha Tapler (Financial Analyst)

Geographic Information Coordinating Council

NC Department of Transportation-Photogrammetry Unit: Keith Johnston, Rob Allen, Don Early, Donnie Griffin, Marc Swartz, Jim Roed, Maria Wroblewski, Mohammed Khan, Carl Storch, Gena Neal, Tom Walls, Jackie Speir, Pam Harrington, Terri Williams, Jeff Napier, Angie Guin, Scott Vincent, BJ Ward, Charles Lee and Eric Wade

NC Department of Public Safety-NC Geodetic Survey: Gary Thompson, Watson Ross, and Scott Lokken

NC Department of the Secretary of State-Land Records Management Section: Tom Morgan, John Bridgers, Rich Elkins

NC Attorney General's Office: Richard Bradford

NC Department of Administration: Sherri Garte

NC Department of Information Technology:

- Administration & Finance Division: Trevor Minor, Joey Bullock, Dawn Urey
- State DIT Purchasing Procurement and Contracts: Karen Kelly
- Administrative Support: Susan Chan

Statewide Mapping Advisory Committee

Working Group for Orthophotography Planning: Gary Thompson, Keith Johnston, Dan Madding, Sean McGuire, Rich Elkins, Allan Sandoval, Daniel Madding, Hope Morgan, John Bridgers, Silvia Terziotti, Erik Hund, Doug Newcomb, Stephen Dew, Kevin Jamison, Chris Koltyk, and Jeff Brown

US Geological Survey: Silvia Terziotti

Private Service Providers: Imagery Acquisition and Production and Quality Control

- Atlas Geographic Data
- Sanborn Map Company
- Spatial Data Consultants
- Surdex Corporation
- Quantum Spatial

Private Service Providers: Horizontal Accuracy QC

- Concord Engineering and Surveying, Inc., Vaughn and Melton Consulting Engineers, Inc., and Stantec Consulting Services, Inc.

Finally, I would like to thank CGIA staff for their persistence and attention to detail throughout the project: Darrin Smith, John Derry, Ben Shelton, Luis Carrasco, Brett Spivey, David Giordano, Joe Sewash, and Jeff Brown.

Tim Johnson, Director, GISP
NC Center for Geographic Information and Analysis
919-754-6588
tim.johnson@nc.gov

Appendix A: Definitions

Public Safety Answering Point (PSAP)

A public safety answering point is a call center responsible for answering calls to an emergency telephone number for police, firefighting, and ambulance services.

Aerial Photography

Aerial photography is any photography taken from the air. Typically, aerial photographs are taken with specialized, high-quality, large format cameras that point down vertically from the aircraft to the ground below. Orthophotography is derived from overlapping vertical aerial photography. Digital cameras are becoming more prevalent than film cameras for projects in North Carolina.

Aerial Triangulation

The primary purpose of aerial triangulation (AT) is to compensate for errors in ground positioning of the imagery. GNSS positional data is processed against the stationery GNSS base stations established throughout the project area. Also, data from the sensor (camera) is processed to provide the continuous orientation and position of the sensor throughout the flight of the aircraft. The orientation and position is used with the raw imagery data to produce a georeferenced image. The triangulation process involves multiple viewing angles and point matching to produce a network of image points. Ground control points are also integrated in the processing to produce imagery that fits the terrain within accuracy specifications.

Continuously Operating Reference Station (CORS)

The National Geodetic Survey (NGS), an office of the National Oceanic and Atmospheric Administration (NOAA) National Ocean Service, coordinates a network of continuously operating reference stations (CORS). Each CORS site provides Global Navigation Satellite System (GNSS - GNSS and GLONASS) carrier phase and code range measurements in support of three-dimensional positioning activities throughout the United States and its territories. Surveyors, GIS/LIS professionals, engineers, scientists, and others can apply CORS data to position points at which GNSS data have been collected. The CORS system enables positioning accuracies that approach a few centimeters relative to the National Spatial Reference System, both horizontally and vertically.

Datum

A set of constants specifying the coordinate system used for geodetic control, i.e., for calculating the coordinates of points on the Earth. This project uses the standard datum for orthoimagery in North Carolina: North America Datum (NAD) 1983 with the readjustment from 2011.

Digital Orthoimagery (DOI)

Digital Orthoimagery is a remotely-sensed digital picture, stored in a raster data format. It is a geo-referenced image prepared from a vertical photograph or other remotely-sensed data in which displacement of objects due to sensor orientation and terrain relief have been removed.

Digital Elevation Model (DEM)

Digital Elevation Model is a sample of ground elevations points used to model a land surface. It is a required element in the processing of digital orthoimagery based on the accurate identification of control points in the images whose ground positions are accurately known. North Carolina has statewide elevation datasets derived from Light Detection and Ranging (LiDAR) technology.

Geographic Registration

Registration is the spatial referencing of an orthoimage to an area on the earth's surface. An image must be geographically registered in order to use it in a GIS as an overlay.

Global Navigation Satellite System (GNSS)

A system of satellites, computers, and receivers that is able to determine the latitude and longitude of a receiver on Earth by calculating the time difference for signals from different satellites to reach the receiver.

Ground Control Point

Points of accurately known geographic location used to register imagery and other coverage data to ground position. In preparation for flights, white panels are placed in visible locations (ground control points) and their positions are surveyed and recorded. For quality control, aerial imagery contractors compare the geospatial location of the ground control points in the imagery to the recorded locations. Third party horizontal quality control may use the ground control points and other recorded reference points to check the accuracy of visible locations in the imagery.

Ground Sample Distance (GSD)

Ground sample distance is the area on the ground represented by each pixel in a digital orthoimage. The smaller the pixel, the more detail is visible in the image. North Carolina requires pixel of one-foot or smaller, and 6-inch and even 3-inch pixels are prevalent over urban areas. This project uses 6-inch GSD.

High Accuracy Reference Network (HARN)

The HARN is a statewide network of survey monuments measured to an extremely high level of accuracy with respect to, and as part of, a similar nationwide network of high-accuracy points. The positions of these monuments are established using GNSS and other sophisticated space-based measuring technologies. HARN is not expressed as part of the datum for this project (NAD 1983(2011)).

Metadata

Metadata is information in standard format about the content, quality, and condition of a dataset. For imagery, metadata includes when and how images were captured from aircraft, processing, extent, contact information, and other items that inform users of the imagery products.

Multi-spectral

Digital orthoimagery collected in multiple bands, with each band corresponding to a portion of the spectrum. Various band combinations may be combined to assist in the identification of specific ground features, via automated image processing techniques.

Nadir

Nadir is the point on the ground directly below the aircraft following the force of gravity toward the earth’s surface.

Natural Color

Natural color is derived from three (red, green, blue) of the four digital bands captured by digital cameras. Commonly used for inventory analysis, cartographic verification, and data verification. Especially useful for showing man-made features, which typically occur in a wider range of colors than natural features.

Orthoimagery

An orthoimage is remotely sensed image data in which displacement of features in the image caused by terrain relief and sensor orientation have been mathematically removed. Orthoimagery combines the image characteristics of a photograph with the geometric qualities of a map. An orthoimage or orthophoto is an aerial photograph (or digital image) geometrically corrected ("orthorectified") such that the scale is uniform: the photo has the same lack of distortion as a map. Unlike an uncorrected aerial photograph, an orthoimage can be used to measure true distances, because it is an accurate representation of the earth's surface, having been adjusted for topographic relief, lens distortion, and camera tilt. Orthoimagery is commonly used in the creation of a Geographic Information System (GIS).

Software can display the orthoimage and enable an operator to digitize or place line work, text annotations or geographic symbols (such as hospitals, schools, and fire stations).

Panchromatic

A film type which renders imagery as gray scale. It generally provides the best resolution and least amount of storage space.

Pixel

A pixel is a two-dimensional picture element that is the smallest non-divisible element of a digital image. For this project, a pixel represents 6 inches on the ground, and each 5,000 by 5,000-foot tile has 10 million pixels.

Positional Accuracy

This refers to the variation that can exist between coordinates for a feature on the image to the actual location of that feature on the earth's surface.

Remote Sensing

The process of collecting data about objects or landscape features without coming into direct physical contact with them.

Scale

Scale is the ratio of distances on a map to those same distances on the earth's surface. Ground resolution relates to mapping scale. For example, a map scale of 1 inch on the map = 200 feet on the ground is equivalent to an image ground resolution of 6 inches (pixel size). A scale of 1-to-400 is equivalent to 1-foot resolution. A scale of 1-to-100 is equivalent to 3-inch ground resolution.

State Plane

A coordinate system (grid) of plane rectangular (x, y) coordinates for pre-determined zones in each of the 50 states. Local governments in North Carolina use state plane with map units in feet.

Tile

Images are subdivided into smaller units to reduce the physical file size and the amount of computer processing required. Tiles usually cover a regular rectangular grid. The tile size for 6-inch resolution images in North Carolina is 5,000 feet by 5,000 feet.

Sources: NC Center for Geographic Information and Analysis; adapted from New York State Geographic Information System Clearinghouse; the Federal Geographic Data Committee glossary; USGS metadata records, and various project documents.

Tab 5

Executive Director Report

Pokey Harris

5 a)

State 911 Plan Status

5 b)

Federal Grant Review Status

Appendix A To Part 400 –
Initial Certification For 911 Grant Applicants – States
(To be submitted as part of the initial application)

I. On behalf of *North Carolina*, I, *L. V. Pokey Harris, North Carolina 911 Board Executive Director,* hereby certify that: (check **only one** box below)

☒ *North Carolina* has established by law or regulation *the North Carolina 911 Board* with the authority to manage 911 services in the State, and I am its representative. See *NC GS 143B-1402. L.V. Pokey Harris, North Carolina 911 Board Executive Director,* will serve as the designated 911 Coordinator.

☐ [*State or Territory*] does not have an office or coordinator with the authority to manage 911 services, and the Governor of [*State or Territory*] has designated (check **only one** circle below)

- o me as the State's single officer to serve as the 911 Coordinator of 911 services implementation; or
- o [*governmental body*] as the State's single governmental body, to serve as the 911 Coordinator of 911 services implementation, and I am its representative.

(check **all** boxes below)

☒ The State has coordinated the application with local governments, Tribal Organizations and PSAPs within the State.

☒ The State has established a State 911 Plan, consistent with the implementing regulations, for the coordination and implementation of 911 services, E-911 services, and Next Generation 911 services.

☒ The State will ensure that at least 90 percent of the grant funds are used for the direct benefit of PSAPs.

☒ The State has integrated telecommunications services involved in the implementation and delivery of 911 services, E-911 services, and Next Generation 911 services.

II. I further certify that the State has not diverted and will not divert any portion of designated 911 charges imposed by the State for any purpose other than the purposes for which such charges are designated or presented from the time period 180 days preceding the date of the application and continuing through the time period during which grant funds are available.

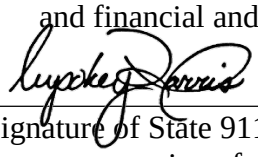
I further certify that no taxing jurisdiction in the State that will receive 911 grant funds has diverted any portion of the designated 911 charges for any purpose other than the purposes for which such charges are designated or presented from the time period 180 days preceding the date of the application.

I further certify that the State will ensure that each taxing jurisdiction in the State that receives 911 grant funds does not divert any portion of designated 911 charges imposed by the taxing jurisdiction for any purpose other than the purposes for which such charges are designated during the time period which grant funds are available.

I agree that, as a condition of receipt of the grant, the State will return all grant funds if the State obligates or expends, at any time for the full duration of this grant, designated 911 charges for any purpose other than the purposes for which such charges are designated or presented, eliminates such charges, or redesignates such charges for purposes other than the

implementation or operation of 911 services, E-911 services, or Next Generation 911 services, and that if a taxing jurisdiction in the State that receives 911 grant funds diverts any portion of designated 911 charges imposed by the taxing jurisdiction for any purpose other than the purposes for which such charges are designated during the time period which grant funds are available, the State will ensure that 911 grant funds distributed to that taxing jurisdiction are returned.

III. I further certify that the State will comply with all applicable laws and regulations and financial and programmatic requirements for Federal grants.



Signature of State 911 Coordinator
(or representative of single governmental body)

Executive Director, NC 911 Board

Title

09/06/2018

Date

NOTICE OF FUNDING OPPORTUNITY
911 GRANT PROGRAM

EXECUTIVE SUMMARY

A. Federal Agency Name

National Telecommunications and Information Administration (NTIA), U.S. Department of Commerce

National Highway Traffic Safety Administration (NHTSA), U.S. Department of Transportation

B. Funding Opportunity Title

911 Grant Program

C. Announcement Type

Initial

D. Funding Opportunity Number

NHTSA-NTIA-911-Grant-Program-2018

E. Catalog of Federal Domestic Assistance (CFDA) Number(s)

20.615, 911 Grant Program

F. Key Dates

Initial applications will be accepted from **August 9, 2018** until **September 10, 2018** at 11:59 p.m. Eastern Daylight Time (EDT). Initial applications must be in PDF format and submitted electronically via email to the National 911 Program inbox at nhtsa.national911@dot.gov. Initial applications consist of the required certifications set forth in the appendices of this Notice of Funding Opportunity (NOFO): Appendix A for State applicants and in Appendix B for Tribal Organization applicants. After receipt of the initial applications, the National Telecommunications and Information Administration (NTIA) and the National Highway Traffic Safety Administration (NHTSA) (collectively, the Agencies), will issue preliminary funding allocations for each of the States or Tribal Organizations meeting the certification requirements on www.grants.gov. Those States or Tribal Organizations must then submit a complete application packet by the deadline established on www.grants.gov. Complete application packets must be submitted electronically through www.grants.gov. Complete applications or portions thereof submitted by postal mail, courier, email, or by facsimile will not be accepted.

See Section D in the Full Announcement Text of this NOFO for detailed information concerning application submission requirements.

G. Funding Opportunity Description

The Agencies issue this NOFO to describe the requirements under which they will award grants for the 911 Grant Program, authorized by the NG911 Advancement Act of 2012 (Middle Class Tax Relief and Job Creation Act of 2012, Pub. L., 112-96, Title VI, Subtitle E (codified at 47 U.S.C. 942)). The NG911 Advancement Act provides new funding for grants to be used for the implementation and operation of 911 services, E-911 services, migration to an IP-enabled emergency network, and adoption and operation of NG911 services and applications; the implementation of IP-enabled emergency services and applications enabled by Next Generation 911 services, including the establishment of IP backbone networks and the application layer software infrastructure needed to interconnect the multitude of emergency response organizations; and training public safety personnel, including call-takers, first responders, and other individuals and organizations who are part of the emergency response chain in 911 services.

H. Funding Instrument

Grant.

I. Eligibility

Any State, Territory, the District of Columbia, or Tribal Organization is eligible for a grant under the 911 Grant Program.

J. Cost Sharing/Matching

The 911 Grant Program requires cost sharing, also known as a matching funds requirement. By statute, the Federal share of the cost of any activity carried out under the Grant Program may not exceed 60 percent of the eligible cost of carrying out grant activities.[1] Thus, the Agencies expect that 911 grant recipients will provide at least 40 percent non-Federal matching funds toward the total eligible project cost. Applicants must document their capacity to provide matching funds. Matching funds may be in the form of either cash or in-kind contributions consistent with the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards at 2 CFR Part 200.[2]

[1] 47 U.S.C. 942(b)(2).

[2] 2 CFR Part 200, *available at* http://go.usa.gov/SBYh.

FULL ANNOUNCEMENT TEXT

A. Program Description

In 2009, NTIA and NHTSA issued regulations implementing the E-911 Grant Program enacted in the Ensuring Needed Help Arrives Near Callers Employing 911 (ENHANCE 911) Act of 2004 (Pub. L. 108-494, codified at 47 U.S.C. 942) (74 FR 26965, June 5, 2009). Accordingly, in 2009, NTIA and NHTSA made more than $40 million in grants available to 30 States and Territories to help 911 call centers nationwide upgrade equipment and operations through the E-911 Grant Program.

In 2012, the NG911 Advancement Act of 2012 (Middle Class Tax Relief and Job Creation Act of 2012, Pub. L. 112-96, Title VI, Subtitle E (codified at 47 U.S.C. 942)) enacted changes to the program. The NG911 Advancement Act modifies the 911 Grant Program to incorporate Next Generation 911 (NG911) services, among other things, while preserving the basic structure of the program.

The NG911 Advancement Act broadens the eligible uses of funds and provides new funding for grants to be used for the implementation and operation of 911 services, E-911 services, migration to an IP-enabled emergency network, and adoption and operation of NG911 services and applications; the implementation of IP-enabled emergency services and applications enabled by Next Generation 911 services, including the establishment of IP backbone networks and the application layer software infrastructure needed to interconnect the multitude of emergency response organizations; and training public safety personnel, including call-takers, first responders, and other individuals and organizations who are part of the emergency response chain in 911 services.

For 50 years, local and state 911 call centers, also known as Public Safety Answering Points (PSAPs), have served the public in emergencies. PSAPs receive incoming 911 calls from the public and dispatch the appropriate emergency responders, such as police, fire, and emergency medical services, to the scene of emergencies. NG911 is an initiative to modernize today's 911 services so that citizens, first responders, and 911 call-takers can use digital, IP-based, broadband-enabled technologies to coordinate emergency responses.[3] Using multiple formats, such as voice, text messages, photos, and video, NG911 enables 911 calls to contain real-time caller location and emergency information, improve coordination among the nation's PSAPs, dynamically re-route calls based on location and PSAP congestion, and connect first responders to key health and government services in the event of an emergency.[4]

The purpose of the 911 Grant Program is to provide Federal funding to support the transition of PSAPs and their interconnecting 911 network and core services, to facilitate migration to a

[3] National 911 Program, Next Generation 911 for Leaders in Law Enforcement Educational Supplement at 3 (2013), *available at* https://www.911.gov/pdf/National_911_Program_NG911_Publication_Leaders_Law_Enforcement_2013.pdf.

[4] *Id.* at 4-5.

digital, IP-enabled emergency network, and adoption and operation of NG911 services and applications. States or other taxing jurisdictions that have diverted fees collected for 911 services remain ineligible for grants under the program and a State or jurisdiction that diverts fees during the term of the grant must repay all grant funds awarded.[5] The NG911 Advancement Act further clarifies that prohibited diversion of 911 fees includes elimination of fees as well as redesignation of fees for purposes other than implementation or operation of 911 services, E-911 services, or NG911 services during the term of the grant.[6]

On September 21, 2017, the Agencies published a Notice of Proposed Rulemaking (NPRM) seeking public comment on proposed regulations for the 911 Grant Program.[7] The Agencies received submissions from 21 commenters in response to the NPRM. The Agencies addressed the comments in the preamble to the Final Rule, which was published in the Federal Register on August 3, 2018.

The Agencies issue this NOFO to open the window for initial application submissions for the grant program, provide information on the amount of funding available for award, discuss how they will allocate funds to qualifying applicants, give instructions on the application process, and describe the evaluation criteria for application review. The definitions applicable to this NOFO are set forth at 47 CFR § 400.2.

B. Federal Award Information

1. Funding Availability

The Agencies will make up to $109,250,000 available for Federal assistance under the 911 Grant Program. If additional funds remain during the grant program because administrative costs are less than projected, then the Agencies may have the opportunity to award additional grant funds to eligible entities.

2. Project/Award Period

The period of performance for all awards under the 911 Grant Program will be four years. A no-cost extension may be considered based on demonstrated need.

3. Award Amount

The Agencies will distribute grant funds to eligible States and Tribal Organizations using a formula based on State population and public road mileage, as described in 47 CFR § 400.6. Specifically, grant funds for each State that meets the certification requirements set forth in 47 CFR § 400.4 will be allocated: (i) 50 percent in the ratio which the population of the State bears

[5] *See* 47 U.S.C. 942(c).

[6] *See id.* at 942(c)(3).

[7] *See* NTIA and NHTSA, 911 Grant Program, Notice of Proposed Rulemaking, 82 FR 44131 (Sept. 21, 2017), *available at* https://www.gpo.gov/fdsys/pkg/FR-2017-09-21/pdf/2017-19944.pdf (NPRM).

to the total population of all the States, as shown by the latest available Federal census; and (ii) 50 percent in the ratio which the public road mileage in each State bears to the total public road mileage in all States, as shown by the latest available Federal Highway Administration data. Grant funds for each Tribal Organization that meets the certification requirements set forth in 47 CFR § 400.4 will be allocated: (i) 50 percent in the ratio to which the population of the Tribal Organization bears to the total population of all Tribal Organizations, as determined by the most recent population data on American Indian/Alaska Native Reservation of Statistical Area; and (ii) 50 percent in the ratio which the public road mileage in each Tribal Organization bears to the total public road mileage in tribal areas, using the most recent national tribal transportation facility inventory data.

The distribution to each qualifying State shall not be less than $500,000, except that the distribution to American Samoa, Guam, the Northern Mariana Islands, and the U.S. Virgin Islands shall not be less than $250,000.

Up to 2 percent of grant funds available under this part will be set aside for distribution to qualifying Tribal Organizations for a 911 grant. The distribution to each qualifying Tribal Organization will be determined based on the formula set forth above but shall not be more than $250,000. Any remaining funds after distribution to qualifying Tribal Organizations will be released for distribution to the States consistent with this section. The Agencies will provide preliminary funding allocations for each of the States or Tribal Organizations that meets the certification requirements on www.grants.gov.

The Agencies reserve the right to allocate additional or unclaimed funds based on supplemental project budgets.

Grant funds that are returned or unused may be made available to States and Tribal Organizations through subsequent NOFOs.

4. Renewal or Supplementation

The Agencies do not anticipate soliciting or accepting applications for renewal or supplementation of existing projects for this grant program but retain discretion to make further supplemental or renewal awards as appropriate.

5. Type of Funding Instrument

The funding instrument for awards made pursuant to the NOFO will be a grant.

C. Eligibility Information

1. Eligible Applicants

An applicant must be a State or Tribal Organization as defined in 47 CFR § 400.2 to apply for a 911 grant. Each State, Territory or Tribal Organization choosing to apply for a grant must submit an individual application during the application window.

2. Cost Sharing or Matching

The 911 Grant Program requires cost sharing, also known as a matching fund requirement. By statute, the Federal share of the cost of any activity carried out under the grant program may not exceed 60 percent of the eligible cost of carrying out grant activities.[8] Thus, 911 grant recipients must provide at least 40 percent non-Federal matching funds toward the total eligible project cost.[9] Applicants must document their capacity to provide matching funds in their final applications. Matching funds may be in the form of either cash or in-kind contributions consistent with the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards at 2 CFR Part 200.[10]

In-kind contributions, which include third party in-kind contributions, are non-cash donations of property, goods or services, which benefit a Federally assisted project, and which may count toward satisfying the non-Federal matching requirement of a project's total budgeted costs when such contributions meet certain criteria.[11] In-kind contributions must be allowable project expenses. The rules governing allowable in-kind contributions are very detailed and encompass a wide range of properties and services. The Agencies encourage applicants to thoroughly consider potential sources of in-kind contributions that, depending on the particular property or service and the applicable Office of Management and Budget (OMB) cost principles, could include: employee or volunteer services; equipment; supplies; indirect costs; computer hardware and software; and use of facilities.

Generally, Federal funds may not be used as matching funds, except as provided by Federal statute.[12]

As provided in 48 U.S.C. 1469a, the Agencies waive the requirement for non-Federal matching funds for grant amounts up to $200,000 (including in-kind contributions) for the Territorial governments in Guam, American Samoa, the U.S. Virgin Islands, and the Commonwealth of the Northern Mariana Islands.

3. Other

The 911 Grant Program requires applicants to provide certifications regarding non-diversion of designated 911 charges.

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[8] 47 U.S.C. 942(b)(2).

[9] *See* 47 CFR § 400.4(a)(2)(ii), (b)(2)(ii). As provided in 48 U.S.C. 1469a, the requirement for non-Federal matching funds (including in-kind contributions) is waived for American Samoa, Guam, the Northern Mariana Islands, and the U.S. Virgin Islands for grant amounts up to $200,000.

[10] *See id.* and 2 CFR § 200.306.

[11] *See* 2 CFR § 200.306.

[12] *See id.*

A State applicant must certify that during the time period 180 days immediately preceding the date of the initial application, the State has not diverted any portion of designated 911 charges imposed by the State for any purpose other than the purposes for which such charges are designated or presented, that no taxing jurisdiction in the State that will be a recipient of 911 grant funds has diverted any portion of designated 911 charges imposed by the taxing jurisdiction for any purpose other than the purposes for which such charges are designated or presented, and that, continuing through the time period during which grant funds are available, neither the State nor any taxing jurisdiction in the State that is a recipient of 911 grant funds will divert designated 911 charges for any purpose other than the purposes for which such charges are designated or presented.

A Tribal Organization applicant must certify that during the time period 180 days immediately preceding the date of the initial application, the taxing jurisdiction (or jurisdictions) within which the applicant is located has not diverted any portion of designated 911 charges imposed by the taxing jurisdiction (or jurisdictions) within which the applicant is located for any purpose other than the purposes for which such charges are designated or presented and that, continuing through the time period during which grant funds are available, the taxing jurisdiction (or jurisdictions) within which the applicant is located will not divert designated 911 charges for any purpose other than the purposes for which such charges are designated or presented.

D. Application and Submission Information

1. Address to Request Application Package

Application forms and instructions are available on the Grants.gov website (www.grants.gov). To access these materials, go to http://www.grants.gov, select "How to Apply for Grants," and then select "Search for Opportunity Package." Enter the CFDA number (20.615) and/or the funding opportunity number (NHTSA-NTIA-911-Grant-Program-2018). Select "Grant Opportunity Package," and then follow the prompts. To download the instructions, go to "Preview Opportunity Package" and select "Download Instructions." The Agencies recommend applicants visit Grants.gov prior to filing their applications so that they fully understand the process and requirements. Failure to properly register and apply for the 911 Grant Program funds by the deadline established in this NOFO may result in forfeiture of the grant opportunity. Applications are accepted until the deadline and are processed as received. Complete application packets submitted by email, paper, or facsimile will not be accepted.

With respect to electronic methods for providing information about funding opportunities or accepting applicants' submissions of information, the Agencies are responsible for compliance with Section 508 of the Rehabilitation Act of 1973, as amended by the Workforce Act of 1998.

2. Content and Form of Applications

a) Required Forms and Documentation from a State Applicant

Applications from State applicants must be complete and follow the format described in this NOFO, which restates the requirements in 47 CFR § 400.4. Initial applications will be accepted

from **August 9, 2018** until **September 10, 2018** at 11:59 p.m. Eastern Daylight Time (EDT). Initial applications must be in PDF format and submitted electronically via email to the National 911 Program inbox at nhtsa.national911@dot.gov. After receipt of the initial applications, the Agencies will issue preliminary funding allocations for each of the States or Tribal Organizations meeting the certification requirements on www.grants.gov. Those States or Tribal Organizations will then submit a complete application packet by the deadline established on www.grants.gov. Complete application packets must be submitted electronically through www.grants.gov. The application consists of the following forms and required submissions, which are discussed in more detail below.

i. The following components are required for the initial application submission:

a. Designated 911 Coordinator

The identification of a single officer or government body to serve as the 911 Coordinator of implementation of 911 services and to sign the certifications required under this part. Such designation need not vest such coordinator with legal authority to implement 911 services, E-911 services, or Next Generation 911 services or to manage emergency communications operations. If a State applicant has established by law or regulation an office or coordinator with the authority to manage 911 services, that office or coordinator must be identified as the designated 911 Coordinator and apply for the grant on behalf of the State. If a State applicant does not have such an office or coordinator established, the Governor of the State must appoint a single officer or governmental body to serve as the 911 Coordinator in order to qualify for a 911 grant. If the designated 911 Coordinator is a governmental body, an official representative of the governmental body shall be identified to sign the certifications for the 911 Coordinator. The State must notify NHTSA in writing within 30 days of any change in appointment of the 911 Coordinator.

b. Certification

The certification in Appendix A of this NOFO, signed by the 911 Coordinator, certifying that the applicant has complied with the required statutory and programmatic conditions in submitting its application. The applicant must certify that during the time period 180 days immediately preceding the date of the initial application, the State has not diverted any portion of designated 911 charges imposed by the State for any purpose other than the purposes for which such charges are designated or presented, that no taxing jurisdiction in the State that will be a recipient of 911 grant funds has diverted any portion of designated 911 charges imposed by the taxing jurisdiction for any purpose other than the purposes for which such charges are designated or presented, and that, continuing through the time period during which grant funds are available, neither the State nor any taxing jurisdiction in the State that is a recipient of 911 grant funds will divert designated 911 charges for any purpose other than the purposes for which such charges are designated or presented.

ii. Complete Application

The following components are required for the complete application packet, to be submitted by the deadline established on www.grants.gov:

a. **Standard Form 424: Application for Federal Assistance**

This is the title page (SF-424). This form (and all additional forms requiring a signature) must be signed by the applicant's authorized organization representative (AOR). Electronic signatures submitted through www.grants.gov satisfy this requirement.

- SF-424, Item 8.d Zip/Postal Code field, should reflect the Zip code + 4 (#####-####) format.
- SF-424, Item 12, should list the NOFO number as NHTSA-NTIA-911-Grant-Program-2018.
- SF-424, Item 18, should list the total Federal budget amount requested for the entire project.
- For SF-424, Item 21, the list of certifications and assurances is contained in SF-424B.

b. **Standard Form 424A: Budget Information–Non-Construction Programs**

Applicants must complete this form and provide a budget summary for all proposed projects and activities to be funded by the grant funds.

c. **Standard Form 424B: Assurances for Non-Construction Programs (SF-424B)**

d. **CD–511 Certification Regarding Lobbying:** Enter "NHTSA-NTIA-911-Grant-Program-2018" in the Award Number field. Enter the title of the application used in field 15 of the SF-424, or an abbreviation of that title, in the Project Name field.

e. **Standard Form LLL, Disclosure of Lobbying Activities** (if applicable).

f. **State 911 Plan:** A plan that:

i. Details the projects and activities proposed to be funded by a 911 Grant Program award, for:

(A) The implementation and operation of 911 services, E-911 services, migration to an IP-enabled emergency network, and adoption and operation of Next Generation 911 services and applications;

(B) The implementation of IP-enabled emergency services and applications enabled by Next Generation 911 services, including the establishment of IP backbone networks and the application layer software infrastructure needed to interconnect the multitude of emergency response organizations; and

(C) Training public safety personnel, including call-takers, first responders, and other individuals and organizations who are part of the emergency response chain in 911 services.

ii. Establishes metrics and a time table for grant implementation; and

iii. Describes the steps the applicant has taken to—

(A) Coordinate its application with local governments, Tribal Organizations, and PSAPs within the State;

(B) Ensure that at least 90 percent of the grant funds will be used for the direct benefit of PSAPs and not more than 10 percent of the grant funds will be used for the applicant's administrative expenses related to the 911 Grant Program; and

(C) Involve integrated telecommunications services in the implementation and delivery of 911 services, E-911 services, and Next Generation 911 services.

g. **Project Budget**

Applicants must submit a project budget for all proposed projects and activities to be funded by the grant funds. In addition to the Standard Form 424A Budget Information, applicants must demonstrate that the project or activity meets the eligible use requirements in § 400.7. Applicants must also identify the non-Federal sources, which meet the requirements of 2 CFR 200.306, that will fund at least 40 percent of the cost; except that as provided in 48 U.S.C. 1469a, the requirement for non-Federal matching funds (including in-kind contributions) is waived for American Samoa, Guam, the Northern Mariana Islands, and the U.S. Virgin Islands for grant amounts up to $200,000. All budget information submitted with the application should match the dollar amounts on required Standard Form 424 and Standard Form 424A. Detail provided in the project budget must be sufficient so that reviewers can interpret how costs were estimated or calculated. The project budget (and the Standard Form 424A) must clearly distinguish those costs proposed to be supported with Federal funds as well as those costs contributed by the applicant as the non-Federal match.

h. **Supplemental Project Budget**

States that qualify for a grant under the program may also qualify for additional grant funds that may become available. To be eligible for any such additional grant funds that may become available in accordance with 47 CFR § 400.6 (*e.g.*, if a grant recipient returns unused funds or returns funds after becoming ineligible due to diversion of designated 911 charges), a State must submit, with its complete application packet, a supplemental project budget that identifies the maximum dollar amount the State is able to match from non-Federal sources meeting the requirements of 2 CFR § 200.306, and includes projects or activities for those grant and matching amounts, up to the total amount in the project budget submitted under paragraph (2)(a)(ii)(g) of this section. This information must be provided to the same level of detail as required under paragraph (2)(a)(ii)(g) of this section and be consistent with the State 911 Plan required under paragraph (2)(a)(ii)(f) of this section.

i. **Indirect Cost Rate Agreement (as applicable)**

If indirect costs are included in the proposed budget, provide a copy of the approved negotiated agreement if this rate was negotiated with its cognizant agency for indirect costs. If the applicant includes indirect costs in the budget and has not negotiated an indirect cost rate with its cognizant agency for indirect costs, the applicant may obtain such a rate through negotiation with its cognizant agency consistent with the requirements set forth in the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (2 CFR Part 200).[13]

Alternatively, in accordance with 2 CFR 200.414(f), applicants that have never received a negotiated indirect cost rate may elect to charge indirect costs to the award pursuant to a de minimis rate of 10 percent of modified total direct costs, in which case a negotiated indirect cost rate agreement is not required. In order to request indirect costs under a de minimis rate, the applicant must not receive more than $35 million a year in direct Federal funding. As described in 2 CFR 200.403, costs must be consistently charged as either indirect or direct costs but may not be double charged or inconsistently charged as both. Once chosen, this methodology must be used consistently for all Federal awards until such time as a non-Federal entity chooses to negotiate for a rate, which the non-Federal entity may apply to do at any time. Applicants proposing a 10 percent de minimis rate pursuant to 2 CFR 200.414(f) must note this election as part of the budget portion of the application.

b) Required Forms and Documentation from a Tribal Applicant

Applications from Tribal applicants must be complete and follow the format described in this NOFO, which restates the requirements in 47 CFR § 400.4. Initial applications will be accepted from **August 9, 2018** until **September 10, 2018** at 11:59 p.m. Eastern Daylight Time (EDT). Initial applications must be in PDF format and submitted electronically via email to the National 911 Program inbox at nhtsa.national911@dot.gov. After receipt of the initial applications, the Agencies will issue preliminary funding allocations for each of the States or Tribal Organizations

[13] Requirements for development and submission of indirect cost rate proposals by States and Tribal Organizations are set forth in 2 CFR Part 200, Appendix VII.

meeting the certification requirements on www.grants.gov. Those States or Tribal Organizations will then submit a complete application packet by the deadline established on www.grants.gov. Complete application packets must be submitted electronically through www.grants.gov. The application consists of the following forms and required submissions, which are discussed in more detail below.

i. The following components are required for the initial application submission:

a. Responsible Tribal Organization Official

Written identification of the official responsible for executing the grant agreement and signing the required certifications on behalf of the Tribal Organization.

b. Certification

The certification in Appendix B of this NOFO, signed by the responsible official of the Tribal Organization, certifying that the applicant has complied with the required statutory and programmatic conditions in submitting its application. The applicant must certify that during the time period 180 days immediately preceding the date of the initial application, the taxing jurisdiction (or jurisdictions) within which the applicant is located has not diverted any portion of designated 911 charges imposed by the taxing jurisdiction (or jurisdictions) within which the applicant is located for any purpose other than the purposes for which such charges are designated or presented and that, continuing through the time period during which grant funds are available, the taxing jurisdiction (or jurisdictions) within which the applicant is located will not divert designated 911 charges for any purpose other than the purposes for which such charges are designated or presented.

ii. The following components are required for a complete application packet, to be submitted by the deadline established on www.grants.gov:

a. Standard Form 424: Application for Federal Assistance

This is the title page (SF-424). This form (and all additional forms requiring a signature) must be signed by the applicant's authorized organization representative (AOR). Electronic signatures submitted through www.grants.gov satisfy this requirement.

- SF-424, Item 8.d Zip/Postal Code field, should reflect the Zip code + 4 (#####-####) format.
- SF-424, Item 12, should list the NOFO number as NHTSA-NTIA-911-Grant-Program-2018.
- SF-424, Item 18, should list the total Federal budget amount requested for the entire project.
- For SF-424, Item 21, the list of certifications and assurances is contained in SF-424B.

b. Standard Form 424A: Budget Information–Non-Construction Programs

Applicants must complete this form and provide a budget summary for all proposed projects and activities to be funded by the grant funds.

c. Standard Form 424B: Assurances for Non-Construction Programs (SF-424B)

d. CD–511 Certification Regarding Lobbying: Enter "NHTSA-NTIA-911-Grant-Program-2018" in the Award Number field. Enter the title of the application used in field 15 of the SF-424, or an abbreviation of that title, in the Project Name field.

e. Standard Form LLL, Disclosure of Lobbying Activities (if applicable).

f. Tribal Organization 911 Plan: A plan that:

i. Details the projects and activities proposed to be funded for:

(A) The implementation and operation of 911 services, E-911 services, migration to an IP-enabled emergency network, and adoption and operation of Next Generation 911 services and applications;

(B) The implementation of IP-enabled emergency services and applications enabled by Next Generation 911 services, including the establishment of IP backbone networks and the application layer software infrastructure needed to interconnect the multitude of emergency response organizations; and

(C) Training public safety personnel, including call-takers, first responders, and other individuals and organizations who are part of the emergency response chain in 911 services.

ii. Establishes metrics and a time table for grant implementation; and

iii. Describes the steps the applicant has taken to—

(A) Coordinate its application with PSAPs within the Tribal Organization's jurisdiction;

(B) Ensure that at least 90 percent of the grant funds will be used for the direct benefit of PSAPs and not more than 10 percent of the grant funds will be used for the applicant's administrative expenses related to the 911 Grant Program; and

(C) Involve integrated telecommunications services in the implementation and delivery of 911 services, E-911 services, and Next Generation 911 services.

g. Project Budget

Applicants must submit a project budget for all proposed projects and activities to be funded by the grant funds. In addition to the Standard Form 424A, applicants must demonstrate that the project or activity meets the eligible use requirements in § 400.7. Applicants must also identify the non-Federal sources, which meet the requirements of 2 CFR 200.306, that will fund at least 40 percent of the cost; except that as provided in 48 U.S.C. 1469a, the requirement for non-Federal matching funds (including in-kind contributions) is waived for American Samoa, Guam, the Northern Mariana Islands, and the U.S. Virgin Islands for grant amounts up to $200,000. All budget information submitted with the application should match the dollar amounts on required Standard Form 424 and Standard Form 424A. Detail provided in the project budget must be sufficient so that reviewers can interpret how costs were estimated or calculated. The project budget (and the Standard Form 424A form) must clearly distinguish those costs proposed to be supported with Federal funds as well as those costs contributed by the applicant as the non-Federal match.

h. Supplemental Project Budget

Tribal Organizations that qualify for a grant under the program may also qualify for additional grant funds that may become available. To be eligible for any such additional grant funds that may become available in accordance with 47 CFR § 400.6 (*e.g.*, if a grant recipient returns unused funds or returns funds after becoming ineligible due to diversion of designated 911 charges), a Tribal Organization must submit, with its complete application packet, a supplemental project budget that identifies the maximum dollar amount the Tribal Organization is able to match from allowable sources meeting the requirements of 2 CFR § 200.306, and includes projects or activities for those grant and matching amounts, up to the total amount in the project budget submitted under paragraph (2)(b)(ii)(g) of this section. This information must be provided to the same level of detail as required under paragraph (2)(b)(ii)(g) of this section and be consistent with the Tribal Organization 911 Plan required under paragraph (2)(b)(ii)(f) of this section.

i. Indirect Cost Rate Agreement (as applicable)

If indirect costs are included in the proposed budget, provide a copy of the approved negotiated agreement if this rate was negotiated with its cognizant agency for indirect costs. If the applicant includes indirect costs in the budget and has not established a negotiated indirect cost rate with its cognizant agency for indirect costs, the applicant may obtain such a rate through negotiation with its cognizant agency consistent with the requirements set forth in the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (2 CFR Part 200).[14]

Alternatively, in accordance with 2 CFR 200.414(f), applicants that have never received a negotiated indirect cost rate may elect to charge indirect costs to the award pursuant to a de minimis rate of 10 percent of modified total direct costs, in which case a negotiated indirect cost rate agreement is not required. In order to request indirect costs under a de minimis rate, the applicant must not receive more than $35 million a year in direct Federal funding. As described in 2 CFR 200.403, costs must be consistently charged as either indirect or direct costs, but may not be double charged or inconsistently charged as both. Once chosen, this methodology must be used consistently for all Federal awards until such time as a non-Federal entity chooses to negotiate for a rate, which the non-Federal entity may apply to do at any time. Applicants proposing a 10 percent de minimis rate pursuant to 2 CFR 200.414(f) must note this election as part of the budget portion of the application.

j. Designated 911 Coordinator

Written identification of the single State officer or government body serving as the 911 Coordinator of implementation of 911 services in the State (or States) in which the Tribal Organization is located. If a State has not designated an officer or government body to coordinate such services, the Governor of the State must appoint a single officer or governmental body to serve as the 911 Coordinator in order for the Tribal Organization to qualify for a 911 grant. The Tribal Organization must notify NHTSA in writing within 30 days of any change in appointment of the 911 Coordinator.

c) Additional Application Materials

No additional application materials are required, beyond what is enumerated in the above sections.

d) Application Format

i. Emailed and facsimile (fax) submissions

The initial application submission, including the designation of the 911 Coordinator and the required certification (items D.2.a.i. and D.2.b.i), must be in PDF format and submitted via email to the National 911 Program inbox at nhtsa.national911@dot.gov. Email and facsimile submissions will not be accepted for the complete application packets (items D.2.a.ii and D.2.b.ii).

[14] Requirements for development and submission of indirect cost rate proposals by States and Tribal Organizations are set forth in 2 CFR Part 200, Appendix VII.

ii. Figures, graphs, images, and pictures

Should be of a size that is easily readable or viewable and may be landscape orientation.

iii. Font

Easy to read font (10-point minimum). Smaller type may be used in figures and tables but must be clearly legible.

iv. Line spacing

Applicants may use single spacing or double spacing.

v. Margins

One inch top, bottom, left, and right.

vi. Page layout

Portrait orientation except for figures, graphs, images, and pictures. Paragraphs are to be clearly separated from each other by double spacing, paragraph formatting or equivalent.

vii. Page numbering

Number pages sequentially.

viii. Page size

8½ inches by 11 inches.

ix. Application language

English.

x. Typed document

All applications, including forms, must be typed.

e) Certifications Regarding Federal Felony and Federal Criminal Tax Convictions, Unpaid Federal Tax Assessments and Delinquent Federal Tax Returns

In accordance with Federal appropriations law, an authorized representative of the selected applicant(s) may be required to provide certain pre-award certifications regarding Federal felony and Federal criminal tax convictions, unpaid Federal tax assessments, and delinquent Federal tax returns.

f) Certifications Regarding Debarment and Suspension (applies to subrecipients as well as States and Tribal Organizations)

Instructions for Primary Tier Participant Certification (States and Tribal Organizations)

1. By signing and submitting this proposal, the prospective primary tier participant is providing the certification set out below and agrees to comply with the requirements of 2 CFR Parts 180, 1200 and 1326.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective primary tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary tier participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default or may pursue suspension or debarment.
4. The prospective primary tier participant shall provide immediate written notice to the department or agency to which this proposal is submitted if at any time the prospective primary tier participant learns its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms *covered transaction, civil judgment, debarment, suspension, ineligible, participant, person, principal, and voluntarily excluded,* as used in this clause, are defined in 2 CFR Parts 180, 1200 and 1326. You may contact the department or agency to which this proposal is being submitted for assistance in obtaining a copy of those regulations.
6. The prospective primary tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is proposed for debarment under 48 CFR Part 9, Subpart 9.4, debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.
7. The prospective primary tier participant further agrees by submitting this proposal that it will include the clause titled "Instructions for Lower Tier Participant Certification" including the "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions and will require lower tier participants to comply with 2 CFR Parts 180, 1200 and 1326.
8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not proposed for debarment under 48 CFR Part 9, subpart 9.4, debarred, suspended, ineligible, or voluntarily excluded from

the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any prospective lower tier participants, each participant may, but is not required to, check the System for Award Management Exclusions website *(https://www.sam.gov/).*

9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
10. Except for transactions authorized under paragraph 6 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is proposed for debarment under 48 CFR Part 9, Subpart 9.4, suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal government, the department or agency may terminate the transaction for cause or default.

Certification Regarding Debarment. Suspension. and Other Responsibility Matters - Primary Tier Covered Transactions

1. The prospective primary tier participant certifies to the best of its knowledge and belief, that it and its principals:
    a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;
    b. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
    c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or Local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
    d. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.
2. Where the prospective primary tier participant is unable to certify to any of the Statements in this certification, such prospective participant shall attach an explanation to this proposal.

Instructions for Lower Tier Participant Certification

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below and agrees to comply with the requirements of 2 CFR Parts 180, 1200 and 1326.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal government, the department or agency with which this transaction originated may pursue available remedies, including suspension or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms *covered transaction, civil judgment, debarment, suspension, ineligible, participant, person, principal, and voluntarily excluded,* as used in this clause, are defined in 2 CFR Parts 180, 1200 and 1326. You may contact the person to whom this proposal is submitted for assistance in obtaining a copy of those regulations.
5. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is proposed for debarment under 48 CFR Part 9, Subpart 9.4, debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant further agrees by submitting this proposal that it will include the clause titled "Instructions for Lower Tier Participant Certification" including the "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion- Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions and will require lower tier participants to comply with 2 CFR Parts 180 and 1200.
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not proposed for debarment under 48 CFR Part 9, Subpart 9.4, debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any prospective lower tier participants, each participant may, but is not required to, check the System for Award Management Exclusions website *(https://www.sam.gov).*
8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is proposed for debarment under 48 CFR Part 9, Subpart 9.4, suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in

addition to other remedies available to the Federal government, the department or agency with which this transaction originated may pursue available remedies, including suspension or debarment.

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.
2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

3. Dun & Bradstreet Number and System for Award Management

Pursuant to 2 CFR Part 25, an applicant or recipient (as the case may be) is required to: (i) be registered in the System for Award Management (SAM) before submitting its complete application packet; (ii) provide a valid unique entity identifier in its application; and (iii) continue to maintain an active SAM registration with current information at all times during which it has an active Federal award or an application or plan under consideration by a Federal awarding agency, unless otherwise excepted from these requirements pursuant to 2 CFR § 25.110. The Agencies will not make a Federal award to an applicant until the applicant has complied with all applicable unique entity identifier and SAM requirements and, if an applicant has not fully complied with the requirements by the time that the Agencies are ready to make a Federal award pursuant to this NOFO, the Agencies may determine that the applicant is not qualified to receive a Federal award.

(a) DUNS Number

All applicants must supply a Dun and Bradstreet Data Universal Numbering System (DUNS) number. Applicants can receive a DUNS number at no cost by calling the dedicated toll-free DUNS number request line at 1-866-705-5711 or via the Internet at http://fedgov.dnb.com/webform.

(b) System for Award Management

All applicants must register in the SAM before submitting a complete application packet. Additionally, the applicant must maintain an active SAM registration with current information at all times during which it has an active Federal award or an application or plan under consideration by a Federal awarding agency. Applicants can register for the SAM at https://www.sam.gov/.

4. Submission Dates and Times

Initial applications for the 911 Grant Program must be electronically submitted to the National 911 Program inbox at nhtsa.national911@dot.gov from **August 9, 2018** until **September 10, 2018** at 11:59 p.m. Eastern Daylight Time (EDT). Initial applications that are not submitted

during this time frame will not be accepted. Additionally, initial applications submitted by mail, courier, or by facsimile will not be accepted.

After receipt and review of the initial application submissions, the Agencies will provide preliminary funding allocations for each of the States or Tribal Organizations meeting the certification requirements on www.grants.gov. Those States or Tribal Organizations will then submit a complete application packet by the deadline established on www.grants.gov (*i.e.*, applications must be marked received by Grants.gov by that deadline). Complete applications must be submitted electronically through www.grants.gov. Complete applications or portions thereof submitted by postal mail, courier, email, or by facsimile will not be accepted. All application forms and documents must be included with an applicant's complete application packet submission via www.grants.gov.

5. Intergovernmental Review

Applications from a State under this program are subject to Executive Order 12372, "Intergovernmental Review of Federal Programs," which requires intergovernmental consultation with State and local officials. All applicants are required to submit a copy of their applications to their designated state Single Point of Contact (SPOC) offices.[15]

6. Funding Restrictions

Grantees may only use funds awarded under the 911 Grant Program to pay for eligible costs. Eligible costs are consistent with the cost principles identified in 2 CFR Part 200, including Subpart E of such regulations[16] and in the grant program's authorizing legislation. In addition, costs must be reasonable, necessary, allocable, and allowable for the proposed project, and conform to generally accepted accounting principles. Grant funds may be used to cover only eligible costs incurred by the grantee during the period of performance, and for allowable costs incurred by the grantee during the grant closeout process.

a) Eligible Uses for 911 Grant Funds

The NG911 Advancement Act broadened the eligible uses of grant funds to include:

i. The implementation and operation of 911 services, E-911 services, migration to an IP-enabled emergency network, and adoption and operation of Next Generation 911 services and applications;

ii. The implementation of IP-enabled emergency services and applications enabled by Next Generation 911 services, including the establishment of IP backbone networks

[15] *See* 7 CFR Part 3015, subpart V.

[16] The government has established a set of principles for determining eligible or allowable costs. Allowable costs are determined in accordance with the cost principles applicable to the entity incurring the costs. For example, the allowability of costs incurred by State, local or Federally-recognized Indian tribal governments is determined in accordance with the provisions of 2 CFR Part 200, Subpart E.

and the application layer software infrastructure needed to interconnect the multitude of emergency response organizations; and

iii. 911-related training of public safety personnel, including call-takers, first responders, and other individuals and organizations who are part of the emergency response chain in 911 services.

Based on the broad parameters of eligible uses of 911 Grant Program funds above, eligible costs under the 911 Grant Program will include the following categories of expenses:

- Personnel costs, including salaries and fringe benefits for staff and consultants required for the implementation of NG911 services (such as project managers, program directors, subject matter experts, grant administrators, financial analysts, accountants, and attorneys).
- Contractual costs associated with carrying out programmatic activities of the 911 grant, including for the provision of NG911 services or for consulting services. Recipients are responsible for monitoring the activities and expenditures of vendors and are responsible for ensuring that all solicitation documents reflect activities within the scope of the 911 Grant Program.
- Costs to purchase hardware, software, and hosted services associated with enabling NG911 calls to be received, processed and dispatched. Recipients must specify that the purchase of hardware, software, and/or services comply with current NG911 standards, as listed in the Department of Homeland Security's SAFECOM guidance.[17] Each individual product, however, need not meet every listed standard.
- Costs associated with planning and administration incurred as a direct result of participation in the 911 Grant Program, which is limited to no more than 10 percent of grant funds. Recipients may use a portion of funds allocated to administrative services to perform an assessment of their current 911 system, using the "NG9-1-1 Readiness Scorecard" produced by the FCC's Task Force on Optimal PSAP Architecture,[18] which includes the ongoing activities necessary to develop, modify, and improve the framework for State and Tribal Organization NG911 governance, strategic planning, and coordination.
- Training costs directly related to NG911 implementation for public safety personnel. The "Recommended Minimum Training Guidelines for Telecommunicators" must

[17] 47 U.S.C. 942(a)(1). *See also* Department of Homeland Security, "Fiscal Year 2016 SAFECOM Guidance on Emergency Communications Grants," at Appendix B – Technology and Equipment Standards (2016), *available at* https://www.dhs.gov/sites/default/files/publications/FY%202016%20SAFECOM%20Guidance%20FINAL%20508C.pdf.

[18] *See* FCC, TFOPA Working Group 2 Phase II Supplemental Report: NG9-1-1 Readiness Scorecard (Dec. 2, 2016), *available at* https://transition.fcc.gov/pshs/911/TFOPA/TFOPA_WG2_Supplemental_Report-120216.pdf.

serve as a base level for the training provided.[19] Recipients must submit documentation describing the training being provided, which identifies the included elements from the Minimum Training Guidelines.

- Costs to operate the NG911 system as a dual system to the current legacy 911 system, until such time as the legacy E-911 or 911 system is shut down and the system is fully operational using only NG911 technology.

b) Ineligible Costs

Ineligible costs include those costs that are unallowable under the Cost Principles of the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards.[20] Please note that costs ineligible for 911 Grant Program support may not be included as matching funds.

Ineligible costs specific to funds awarded under the 911 Grant Program include:

- Costs to operate legacy E-911 or 911 systems.
- Costs to operate the NG911 system after it is fully operational.
- Activities related to construction.
- Independent verification and validation (IV&V) testing for product, service, and system purchases.

7. Other Submission Requirements

The initial applications must be submitted electronically via email to the National 911 Program inbox at nhtsa.national911@dot.gov, as described in Section D.4 of this NOFO. The later complete applications for the 911 Grant Program must be electronically submitted through www.grants.gov, as described in the same section. Late or incomplete applications and applications submitted by mail, courier, or by facsimile will not be accepted.

a. How to Register to Apply through Grants.gov

Read the instructions below about registering to apply for 911 Grant Program funds. Applicants should read the registration instructions carefully and prepare the information requested before beginning the registration process. Reviewing and assembling the required information before beginning the registration process will alleviate last-minute searches for required information.

Organizations must have a Data Universal Numbering System (DUNS) Number, active System for Award Management (SAM) registration, and Grants.gov account to apply for grants. If

[19] *See* National 911 Program, "Recommended Minimum Training Guidelines for Telecommunicators" (May 19, 2016), *available at* http://www.911.gov/pdf/Recommended_Minimum_Training_Guidelines_for_the_911_Telecommunicator_FINAL_May_19_2016.pdf (Minimum Training Guidelines).

[20] 2 CFR Part 200, Subpart E.

individual applicants are eligible to apply for this funding opportunity, then you may begin with step 3, Create a Grants.gov Account, listed below.

Creating a Grants.gov account can be completed online in minutes, but DUNS and SAM registrations may take several weeks. Therefore, an organization's registration should be done in sufficient time to ensure it does not impact the entity's ability to meet required application submission deadlines.

Complete organization instructions can be found on Grants.gov here: https://www.grants.gov/web/grants/applicants/organization-registration.html

1) *Obtain a DUNS Number*: All entities applying for funding, including renewal funding, must have a DUNS Number from Dun & Bradstreet (D&B). Applicants must enter the DUNS Number in the data entry field labeled "Organizational DUNS" on the SF-424 form. For more detailed instructions for obtaining a DUNS Number, refer to: https://www.grants.gov/web/grants/applicants/organization-registration/step-1-obtain-duns-number.html

2) *Register with SAM*: All organizations applying online through Grants.gov must register with the System for Award Management (SAM). Failure to register with SAM will prevent your organization from applying through Grants.gov. SAM registration must be renewed annually. For more detailed instructions for registering with SAM, refer to: https://www.grants.gov/web/grants/applicants/organization-registration/step-2-register-with-sam.html

3) *Create a Grants.gov Account*: The next step is to register an account with Grants.gov. Follow the on-screen instructions or refer to the detailed instructions here: https://www.grants.gov/web/grants/applicants/registration.html

4) *Add a Profile to a Grants.gov Account*: A profile in Grants.gov corresponds to a single applicant organization the user represents (*i.e.*, an applicant) or an individual applicant. If you work for or consult with multiple organizations and have a profile for each, you may log in to one Grants.gov account to access all of your grant applications. To add an organizational profile to your Grants.gov account, enter the DUNS Number for the organization in the DUNS field while adding a profile. For more detailed instructions about creating a profile on Grants.gov, refer to: https://www.grants.gov/web/grants/applicants/registration/add-profile.html

5) *EBiz POC Authorized Profile Roles*: After you register with Grants.gov and create an Organization Applicant Profile, the organization applicant's request for Grants.gov roles and access is sent to the EBiz POC. The EBiz POC will then log in to Grants.gov and authorize the appropriate roles, which may include the AOR role, thereby giving you permission to complete and submit applications on behalf of the organization. You will be able to submit your application online any time after you have been assigned the AOR role. For more detailed instructions about creating a profile on Grants.gov, refer to: https://www.grants.gov/web/grants/applicants/registration/authorize-roles.html

6) *Track Role Status*: To track your role request, refer to: https://www.grants.gov/web/grants/applicants/registration/track-role-status.html

Electronic Signature: When the complete application packet is submitted through Grants.gov, the name of the organization applicant with the AOR role that submitted the application is inserted into the signature line of the application, serving as the electronic signature. The EBiz POC **must** authorize people who are able to make legally binding commitments on behalf of the organization as a user with the AOR role; **this step is often missed and it is crucial for valid and timely submissions.**

b. How to Submit an Application for the 911 Grant Program via Grants.gov

Grants.gov applicants can apply online using Workspace. Workspace is a shared, online environment where members of a grant team may simultaneously access and edit different webforms within an application.

Below is an overview of applying on Grants.gov. For access to complete instructions on how to apply for opportunities, refer to: https://www.grants.gov/web/grants/applicants/workspace-overview.html

1) *Create a Workspace*: Creating a workspace allows you to complete it online and route it through your organization for review before submitting.

2) *Complete a Workspace*: Add participants to the workspace to work on the application together, complete all the required forms online or by downloading PDF versions, and check for errors before submission. The Workspace progress bar will display the state of your application process as you apply. As you apply using Workspace, you may click the blue question mark icon near the upper-right corner of each page to access context-sensitive help.

a. *Adobe Reader*: If you decide not to apply by filling out webforms you can download individual PDF forms in Workspace. The individual PDF forms can be downloaded and saved to your local device storage, network drive(s), or external drives, then accessed through Adobe Reader.

NOTE: Visit the Adobe Software Compatibility page on Grants.gov to download the appropriate version of the software at: https://www.grants.gov/web/grants/applicants/adobe-software-compatibility.html

b. *Mandatory Fields in Forms:* In the forms, you will note fields marked with an asterisk and a different background color. These fields are mandatory fields that must be completed to successfully submit your application.

c. *Complete SF-424 Fields First*: The forms are designed to fill in common required fields across other forms, such as the applicant name, address, and DUNS Number. Once it is completed, the information will transfer to the other forms.

3) *Submit a Workspace*: An application may be submitted through workspace by clicking the Sign and Submit button on the Manage Workspace page, under the Forms tab. Grants.gov recommends submitting your application package at least 24-48 hours prior to the close date to provide you with time to correct any potential technical issues that may disrupt the application submission.

4) *Track a Workspace Submission*: After successfully submitting a workspace application, a Grants.gov Tracking Number (GRANTXXXXXXXX) is automatically assigned to the application. The number will be listed on the Confirmation page that is generated after submission. Using the tracking number, access the Track My Application page under the Applicants tab or the Details tab in the submitted workspace.

For additional training resources, including video tutorials, refer to:
https://www.grants.gov/web/grants/applicants/applicant-training.html

Applicant Support: Grants.gov provides applicants 24/7 support via the toll-free number 1-800-518-4726 and email at support@grants.gov. For questions related to the specific grant opportunity, contact the number listed in the application package of the grant you are applying for.

If you are experiencing difficulties with your submission, it is best to call the Grants.gov Support Center and get a ticket number. The Support Center ticket number will assist the Agencies with tracking your issue and understanding background information on the issue.

c. Timely Receipt Requirements and Proof of Timely Submission

Online Submission. Proof of timely submission is automatically recorded by Grants.gov. An electronic date/time stamp is generated within the system when the application is successfully received by Grants.gov. The applicant with the AOR role who submitted the application will receive an acknowledgement of receipt and a tracking number (GRANTXXXXXXXX) from Grants.gov with the successful transmission of their application. This applicant with the AOR role will also receive the official date/time stamp and Grants.gov Tracking number in an email serving as proof of their timely submission.

When the Agencies successfully retrieve the application from Grants.gov, and acknowledge the download of submissions, Grants.gov will provide an electronic acknowledgment of receipt of the application to the email address of the applicant with the AOR role who submitted the application. Again, proof of timely submission shall be the official date and time that Grants.gov receives your application. Applications received by Grants.gov after the established due date for the program will be considered late and will not be considered for funding by the Agencies.

Applicants using slow internet, such as dial-up connections, should be aware that transmission can take some time before Grants.gov receives your application. Again, Grants.gov will provide either an error or a successfully received transmission in the form of an email sent to the applicant with the AOR role attempting to submit the application. The Grants.gov Support Center reports that some applicants end the transmission because they think that nothing is

occurring during the transmission process. Please be patient and give the system time to process the application.

d) Material Representations

The initial application, including certifications, and all forms and supporting documents submitted as part of the complete application packet, will be treated as a material representation of fact upon which the Agencies will rely in awarding grants. Applicants should be aware that all or portions of their 911 grant application may be made publicly available by the Agencies or as required under applicable Federal laws. Please be mindful if providing any law enforcement sensitive or otherwise non-public information within the grant application. See Section H.4 of this NOFO for additional information concerning the confidentiality of information contained in an application.

E. Application Review Information

1. Evaluation Criteria

The Agencies will evaluate applications for 911 grants on the basis of the following criteria.

a) Certifications

Reviewers will assess whether the applicant has signed and submitted the relevant certification—Appendix A to this NOFO for State applicants and Appendix B to this NOFO for Tribal Organization applicants—consistent with the timeline set forth in section D.4 of this NOFO.

b) Designated 911 Coordinator

Reviewers will assess whether the applicant has identified the single State officer or government body serving as the 911 Coordinator of implementation of 911 services in the State (or States) in which the applicant is located. For Tribal Organization applicants, reviewers will also assess whether the applicant has provided written identification of the official responsible for executing the grant agreement and signing the required certifications on behalf of the Tribal Organization.

c) State or Tribal Organization 911 Plan

Reviewers will assess the information provided in the applicant's State or Tribal Organization 911 Plan describing allowable activities, objectives, and outcomes based on the following criteria:

1. The plan adequately details the projects and activities it plans to conduct using 911 grant funds.

2. The planned projects and activities are allowable and allocable to the 911 Grant Program.

3. The plan adequately establishes metrics and a time table for grant implementation.

4. The State applicant adequately describes the steps taken to coordinate the application with local governments, Tribal Organizations and PSAPs within the State. The Tribal organization applicant adequately describes the steps taken to coordinate the application with PSAPs within the Tribal Organization's jurisdiction.

5. The plan adequately describes the steps taken to ensure that at least 90 percent of the grant funds will be used for the direct benefit of PSAPs and not more than 10 percent of the grant funds will be used for the State's or Tribal Organization's administrative expenses related to the 911 Grant Program.

6. The plan adequately describes the steps taken to involve integrated telecommunications services in the implementation and delivery of 911 services, E-911 services, and NG911 services.

d) Project Budget

This criterion evaluates whether the applicant presents a budget that is reasonable, considering the nature and full scope of the project. Specifically, reviewers will assess whether:

1. The applicant demonstrates that each project or activity meets the eligible use requirements set forth in 47 C.F.R. § 400.7.

2. The applicant identifies the non-Federal sources, which meet the requirements of 2 C.F.R. § 200.306, that will fund at least 40 percent of the cost. As provided in 48 U.S.C. 1469a, the Agencies waive the requirement for non-Federal matching funds (including in-kind contributions) for the Territorial governments in Guam, American Samoa, the U.S. Virgin Islands, and the Commonwealth of the Northern Mariana Islands for grant amounts up to $200,000.

e) Supplemental Project Budget

If an applicant opts to submit a supplemental project budget, reviewers will evaluate whether the supplemental project budget:

1. Identifies the maximum dollar amount the applicant is able to match from non-Federal sources meeting the requirements of 2 C.F.R. § 200.306, and

2. Includes projects or activities for those grant and matching amounts.

Reviewers will assess the supplemental project budget, if applicable, at the same level of detail as the project budget in E.1.d.

2. Review and Selection Process

The review process will be divided into four stages as outlined below:

a) Administrative Review of Initial Application Submission

Upon receipt of the initial application submission, the ICO will review the certifications for completeness. After this review, the Agencies will issue preliminary funding allocations for each of the States or Tribal Organizations meeting the certification requirements on www.grants.gov.

b) Initial Administrative Review of Complete Application Packets

After the Agencies issue preliminary funding allocations and eligible entities submit complete application packets, the ICO will conduct an initial review of timely received applications submitted in response to the NOFO to determine eligibility, completeness and responsiveness to the programmatic requirements of the 911 Grant Program, including a review of the State or Tribal 911 Plan and project budget. Applications determined to be ineligible, incomplete, and/or non-responsive may be eliminated from further review. However, the ICO, in its sole discretion, may continue the review process for an application that is missing information that can be easily rectified or cured. To continue the review process, the ICO may request missing or incomplete information from the applicant as needed. However, the ICO has no affirmative obligation to notify applicants of a deficient application and will not be held responsible for any deficiencies that are not remedied in a timely manner.

c) Merit Review

Each eligible application will be reviewed by at least three peer reviewers who have demonstrated expertise in the programmatic aspects of the program. The peer reviewers will individually evaluate applications according to the evaluation criteria provided in Section E.1 of this NOFO and provide technical comments for each applicant to the ICO. Should an application be found to be missing information, the ICO will contact the applicant regarding the need to revise the application based on peer review feedback. Revisions are intended to resolve material weaknesses and/or deficiencies with the application as identified by the peer reviewers, which may include but are not limited to proposed projects and activities and proposed budget items. The ICO may also request additional clarifying information and/or corroborating documentation from applicants. The applicant will have 14 calendar days to submit information responsive to the feedback provided by the ICO. Failure to submit such additional responsive information may preclude the applicant from further consideration for award.

Once the ICO receives application revisions, the same peer reviewers will again assess the application. Revised applications may be subjected to additional rounds of requested revisions by the ICO and reassessment by the peer/technical reviewers in accordance with this subsection. The ICO may use its sole discretion to terminate the peer review revision process for an applicant if, after multiple opportunities for revision, the ICO determines that the applicant is not sufficiently remedying the application based upon peer review comments. Each peer reviewer will be required to sign and submit a nondisclosure and confidentiality form to prevent the dissemination of confidential information, and to prevent financial and other conflicts of interest.

d) Programmatic Review and Award Recommendations

Following the merit review process and for each eligible application determined to be sufficient, the ICO will review the application for conformity with programmatic objectives. The ICO will analyze applications considered for award and may request necessary revisions from applicants during the programmatic review process as well.

Once this programmatic review is complete, and based on the individual merits of each application, the ICO will provide a list of all applications received and those applications recommended for funding according to the distribution formula to the Selecting Officials, and will make available copies of all applications, technical assessments of the reviewers, and all information obtained from the applicants during the evaluation, review and application revision processes.

The Administrator and Assistant Secretary serve as the Selecting Officials and will jointly approve grant awards to qualifying applicants.

e) Federal Awarding Agency Review of Risk Posed by Applicants

After applications are proposed for funding by the Selecting Officials, the agencies will perform pre-award risk assessments in accordance with 2 CFR § 200.205, which may include a review of the financial stability of an applicant, the quality of the applicant's management systems, the history of performance, reports and findings from audits, and/or the applicant's ability to effectively implement statutory, regulatory, or other requirements imposed on non-Federal entities. In addition, prior to making an award where the total Federal share is expected to exceed the simplified acquisition threshold (currently $150,000), the agencies will review and consider the non-publicly available information about that applicant in the Federal Awardee Performance and Integrity Information System (FAPIIS). Upon completion of the pre-award risk assessment, the agencies will determine whether the applicant is qualified to receive the award and, if so, whether appropriate special conditions that correspond to the degree of risk posed by the applicant should be applied to the award.

f) Anticipated Announcement and Award Dates

The Agencies anticipate awarding all 911 grants in calendar year 2018.

F. Federal Award Administration Information

1. Federal Award Notices

Applicants will be notified in writing by the Administrator and Assistant Secretary if their application is selected for an award. If the application is selected for funding, NHTSA will issue the grant award (Form CD-450), which is the authorizing financial assistance award document. By signing the Form CD-450, the grantee agrees to comply with all award provisions, terms, and conditions.

If an applicant is awarded funding, neither NHTSA nor NTIA is under any obligation to provide any additional future funding in connection with that award or to make any future award(s). Amendment of an award to extend the period of performance is at the discretion of NHTSA and NTIA.

2. Administrative and National Policy Requirements

Grantees will comply with applicable statutes and regulations, including but not limited to:

- 2 CFR Part 200 – Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards
- 2 CFR Part 1201 – Department of Transportation, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards
- 2 CFR Part 1327 – Department of Commerce, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards

3. Reporting

To ensure compliance with Federal regulations and collect systemic evaluation data on each project, successful 911 Grant Program applicants have a number of basic reporting requirements once they are awarded a grant.

a) Reporting Schedule

During the project period of this grant, each grant recipient shall submit performance reports annually and financial reports on a quarterly basis.

b) Reporting Requirements

i. Annual Certification

State grant recipients shall annually submit the certification found at Appendix C of this NOFO within 30 days after the end of each fiscal year that grant funds are available and Tribal Organization grant recipients shall annually submit the certification found at Appendix D of this NOFO within 30 days after the end of each fiscal year that grant funds are available. Annual certifications must be in PDF format and submitted electronically via email to the National 911 Program inbox at nhtsa.national911@dot.gov.

ii. Performance Reports

Each grant recipient shall submit an annual performance report to NHTSA, following the procedures of 2 CFR § 200.328, within 90 days after each fiscal year that grant funds are available, except for when a final report is required during closeout.

iii. Federal Financial Report

Each grant recipient shall submit quarterly financial reports to NHTSA, following the procedures of 2 CFR § 200.327, within 30 days after each fiscal quarter that grant funds are available, except when a final voucher is required during closeout. Grant recipients must report on obligations and expenditures using the Federal Financial Report (Standard Form 425). A report must be submitted for each calendar quarter that the grant is active, including partial calendar quarters or when no financial activity occurs.

iv. Closeout Report

The right to incur costs under this part will expire as of the end of the period of performance. The grant recipient and its subrecipients and contractors may not incur costs for Federal reimbursement past the expiration date.

Within 90 days after the completion of projects and activities funded under this part, but in no event later than the expiration date identified in the grant award, each grant recipient must submit a final voucher for the costs incurred, which constitutes the final financial reconciliation for the grant award, and a final report to NHTSA, following the procedures of 2 CFR § 200.343(a).

Any funds that remain unexpended after closeout shall cease to be available to the recipient and shall be returned to the government.

c) Recipient Integrity and Performance Matters

In accordance with section 872 of Public Law 110-417 (as amended; see 41 U.S.C. 2313), if the total value of a recipient's currently active grants, cooperative agreements, and procurement contracts from all Federal awarding agencies exceeds $10,000,000 for any period of time during the period of performance of an award made under this NOFO, then the recipient shall be subject to the requirements specified in Appendix XII to 2 CFR Part 200,[21] for maintaining the currency of information reported to SAM that is made available in the Federal Awardee Performance and Integrity Information System (FAPIIS) about certain civil, criminal, or administrative proceedings involving the recipient.

d) Audit Requirements

2 CFR Part 200 Subpart F, adopted by the Department of Commerce through 2 CFR § 1327.101 and by the Department of Transportation through 2 CFR § 1201.1, requires any non-Federal entity (*e.g.*, non-profit institutions of higher education and other non-profit organizations) that expends Federal awards of $750,000 or more in the recipient's fiscal year to conduct a single or program-specific audit in accordance with the requirements set out in the Subpart. Applicants are reminded that the Agencies, the Department of Transportation Office of Inspector General, the Department of Commerce Office of Inspector General, or another authorized Federal agency may conduct an audit of an award at any time.

e) Federal Funding Accountability and Transparency Act of 2006

[21] *See* 2 CFR Part 200, Appendix XII, *available at* http://go.usa.gov/cTBwC.

In accordance with 2 CFR Part 170, all recipients of a Federal award made on or after October 1, 2010, are required to comply with reporting requirements under the Federal Funding Accountability and Transparency Act of 2006 (Pub. L. No. 109-282). In general, all recipients are responsible for reporting sub-awards of $25,000 or more. In addition, recipients that meet certain criteria are responsible for reporting executive compensation. Applicants must ensure they have the necessary processes and systems in place to comply with the reporting requirements should they receive funding.[22]

G. Federal Awarding Agency Contact(s)

1. Please direct programmatic inquiries to:

Daniel Phythyon
Telecommunications Policy Specialist, Office of Public Safety Communications
National Telecommunications and Information Administration
U.S. Department of Commerce
1401 Constitution Avenue, NW, Room 4076
Washington, DC 20230
Phone: (202) 482-5018
Email: dphythyon@ntia.doc.gov

Laurie Flaherty
Coordinator, National 911 Program
Office of Emergency Medical Services
National Highway Traffic Safety Administration
1200 New Jersey Avenue SE, NPD-400
Washington, DC 20590
Phone: (202) 366-2705
Email: Laurie.Flaherty@dot.gov

2. Please direct media inquiries to:

Stephen F. Yusko
Public Affairs Specialist
Office of Public Affairs
National Telecommunications and Information Administration
U.S. Department of Commerce
1401 Constitution Avenue NW, Room 4897
Washington, DC 20230
Phone: (202) 482-7002
Email: press@ntia.doc.gov

[22] *See* OMB, Requirements for Federal Funding Accountability and Transparency Act Implementation, Interim final guidance to agencies with opportunity to comment, 75 FR 55663 (Sep. 14, 2010), *available at* http://go.usa.gov/hKnQ.

Karen Aldana
Public Affairs Specialist
Office of Communications and Consumer Information
National Highway Traffic Safety Administration
U.S. Department of Transportation
1200 New Jersey Avenue SE, Room W52-306
Washington, DC 20590
Phone: (202) 366-3280
Email: Karen.aldana@dot.gov

H. Other Information

1. Protected and Proprietary Information. The applicant acknowledges and understands that information and data contained in applications for financial assistance, as well as information and data contained in financial, performance, and other reports submitted by applicants, may be used by the Agencies in conducting reviews and evaluations of their financial assistance programs. For this purpose, applicant information and data may be accessed, reviewed, and evaluated by the Agencies' employees, other Federal employees, Federal agents and contractors, and/or by non-Federal personnel, all of whom enter into appropriate confidentiality and nondisclosure agreements covering the use of such information. As may be provided in the terms and conditions of a specific financial assistance award, applicants are expected to support program reviews and evaluations by submitting required financial and performance information and data in an accurate and timely manner, and by cooperation with the Agencies and external program evaluators. In accordance with 2 CFR 200.303(e), applicants are reminded that they must take reasonable measures to safeguard protected personally identifiable information and other confidential or sensitive personal or business information created or obtained in connection with a Department of Commerce or Department of Transportation financial assistance award.

The Agencies will protect confidential and proprietary information from public disclosure to the fullest extent authorized by applicable law, including the Freedom of Information Act (FOIA), as amended (5 U.S.C. 552), the Trade Secrets Act, as amended (18 U.S.C. 1905), and the Economic Espionage Act of 1996 (18 U.S.C. 1831 *et seq.*). Applications submitted in response to this NOFO may be subject to requests for release under the FOIA. In the event that an application contains information or data that the applicant deems to be confidential commercial information that is exempt from disclosure under FOIA, that information should be identified, bracketed, and marked as Privileged, Confidential, Commercial or Financial Information. Based on these markings, the confidentiality of the contents of those pages will be protected to the extent permitted by law.

Additionally, some of the information submitted in the course of applying for funding under this program, or provided in the course of its grant management activities, may be considered law enforcement sensitive or otherwise important to national security interests. This may include threat, risk, and needs assessment information, and discussions of demographics, transportation, public works, and industrial and public health infrastructures. While this information under Federal control is subject to request made pursuant to the FOIA, 5 U.S.C. 552, all determinations

concerning the release of information of this nature are made on a case-by-case basis and may fall within one or more of the available exemptions under the FOIA. The applicant is encouraged to consult its own State and local laws and regulations regarding the release of information, which should be considered when reporting sensitive matters in the grant application. The applicant may consult with the Agencies regarding concerns or questions about the release of information under State and local laws. The applicant should be familiar with the regulations governing Protected Critical Infrastructure Information (6 CFR Part 29) and Sensitive Security Information (49 CFR Part 1520), as these designations may provide additional protection to certain classes of homeland security information.

2. Discretionary Awards. The Federal government is not obligated to make any award as a result of this NOFO and will fund only projects that are deemed likely to achieve the 911 Grant Program's goals and for which funds are available.

3. Third Party Beneficiaries. The 911 Grant Program is a discretionary grant program that is not intended to and does not create any rights enforceable by third party beneficiaries.

4. Waiver Authority. It is the general intent of the Agencies not to waive any of the provisions set forth in this NOFO. However, under extraordinary circumstances and when it is in the best interest of the Federal government, the Agencies, upon their own initiative or when requested, may waive the provisions in this NOFO. Waivers may only be granted for requirements that are discretionary and not mandated by statute or other applicable law. Any request for a waiver must set forth the extraordinary circumstances for the request.

5. Administrative Procedure Act. The effective date of this NOFO is the date of publication. The Administrative Procedure Act's required 30-day delay in effective date for substantive rules does not apply here as this rule concerns grants. *See* 5 U.S.C. 553(a)(2).

6. Regulatory Flexibility Act. The Chief Counsel for Regulation of the Department of Commerce and the Assistant Chief Counsel for the National Highway Traffic Safety Administration certified to the Small Business Administration Office of Advocacy at the proposed rule stage that this final rule is not expected to have a significant economic impact on a substantial number of small entities. Congress enacted the Regulatory Flexibility Act of 1980 (RFA), as amended, 5 U.S.C. 601-612, to ensure that government regulations do not unnecessarily or disproportionately burden small entities. The RFA requires a regulatory flexibility analysis if a rule would have a significant economic impact on a substantial number of small entities. The majority of potential applicants (56) for 911 grants are U.S. States and Territories, which are not "small entities" for the purposes of the RFA. *See* 5 U.S.C. 601(5). The remaining potential grant applicants are a small number of Tribal Organizations (approximately 13) with a substantial emergency management/public safety presence within their jurisdictions. Like States, Tribal Organizations are not "small entities" for the purposes of the RFA. *See* Small Business Regulatory Flexibility Improvements Act of 2015, S. 1536, 114th Cong. § 2(d) (2015) (proposing to add Tribal Organizations to the RFA's "small governmental jurisdiction" definition, one of three categories of "small entities" in the RFA). Therefore, we have determined under the RFA that this final rule would not have a significant economic impact

on a substantial number of small entities. Accordingly, no Regulatory Flexibility Analysis is required, and none has been prepared.

7. Paperwork Reduction Act. This NOFO contains an information collection requirement subject to the Paperwork Reduction Act (PRA) (44 U.S.C. 3501 *et seq*.). The PRA requires each Federal agency to seek and obtain OMB approval before collecting information from the public. Federal agencies may not collect information unless it displays a currently valid OMB control number. OMB has approved the Agencies' requests to use previously-approved Standard Forms 424 (Application for Federal Assistance), 424A (Budget Information for Non-Construction Programs), 424B (Assurances for Non-Construction Programs), 424C (Budget Information for Construction Programs), 425 (Federal Financial Report), and SF-LLL (Disclosure for Lobbying Activities) under the respective control numbers 4040-0004, 4040-0005, 4040-0006, 4040-0007, 4040-0014, and 4040-0013. OMB pre-approved the Agencies' information collection request for the State 911 Plans and the Annual Performance Reports and assigned it control number 0660-0041.

The Agencies received no comments in response to their requests to utilize common forms or their information collection request for the State 911 Plans and Annual Performance Reports. The approved requests to use common forms and approved information collection request may be viewed at reginfo.gov.

8. National Environmental Policy Act. The Agencies have reviewed the 911 Grant Program for the purposes of the National Environmental Policy Act. The Agencies have determined that this grant program would not have a significant impact on the quality of the human environment.

9. Policy on Seat Belt Use. In accordance with Executive Order 13043, Increasing Seat Belt Use in the United States, dated April 16, 1997, the grantee is encouraged to adopt and enforce on-the-job seat belt use policies and programs for its employees when operating company-owned, rented, or personally-owned vehicles. NHTSA is responsible for providing leadership and guidance in support of this Presidential initiative. For information and resources on traffic safety programs and policies for employers, please contact the Networks of Employers for Traffic Safety (NETS), a public-private partnership dedicated to improving the traffic safety practices of employers and employees. You can download information on seat belt programs, costs of motor vehicles crashes to employers, and other traffic safety initiatives at www.trafficsafety.org. The NHTSA website (www.nhtsa.gov) also provides information on statistics, campaigns, and program evaluations and references.

10. Policy on Banning Text Messaging While Driving. In accordance with Executive Order 13513, Federal Leadership On Reducing Text Messaging While Driving, and DOT Order 3902.10, Text Messaging While Driving, States and Tribal Organizations are encouraged to adopt and enforce workplace safety policies to decrease crashes caused by distracted driving, including policies to ban text messaging while driving company-owned or rented vehicles, Government-owned, leased or rented vehicles, or privately-owned vehicles when on official Government business or when performing any work on or behalf of the Government. States and Tribal Organizations are also encouraged to conduct workplace safety initiatives in a manner

commensurate with the size of the business, such as establishment of new rules and programs or re-evaluation of existing programs to prohibit text messaging while driving, education awareness, and other outreach to employees about the safety risks associated with texting while driving.

Appendix A To Part 400 –
Initial Certification For 911 Grant Applicants – States

(To be submitted as part of the initial application)

I. On behalf of [*State/Territory*], I, [*print name*], hereby certify that:

(check **only one** box below)

□ [*State or Territory*] has established by law or regulation [*name of 911 office/coordinator*] with the authority to manage 911 services in the State, and I am its representative. *See* [*citation to State law or rule*]. [*Name of 911 office/coordinator*] will serve as the designated 911 Coordinator.

□ [*State or Territory*] does not have an office or coordinator with the authority to manage 911 services, and the Governor of [*State or Territory*] has designated

(check **only one** circle below)

- o me as the State's single officer to serve as the 911 Coordinator of 911 services implementation; or
- o [*governmental body*] as the State's single governmental body, to serve as the 911 Coordinator of 911 services implementation, and I am its representative.

(check **all** boxes below)

□ The State has coordinated the application with local governments, Tribal Organizations and PSAPs within the State.

□ The State has established a State 911 Plan, consistent with the implementing regulations, for the coordination and implementation of 911 services, E-911 services, and Next Generation 911 services.

□ The State will ensure that at least 90 percent of the grant funds are used for the direct benefit of PSAPs.

□ The State has integrated telecommunications services involved in the implementation and delivery of 911 services, E-911 services, and Next Generation 911 services.

II. I further certify that the State has not diverted and will not divert any portion of designated 911 charges imposed by the State for any purpose other than the purposes for which such charges are designated or presented from the time period 180 days preceding the date of the application and continuing through the time period during which grant funds are available.

I further certify that no taxing jurisdiction in the State that will receive 911 grant funds has diverted any portion of the designated 911 charges for any purpose other than the purposes for which such charges are designated or presented from the time period 180 days preceding the date of the application.

I further certify that the State will ensure that each taxing jurisdiction in the State that receives 911 grant funds does not divert any portion of designated 911 charges imposed by the taxing jurisdiction for any purpose other than the purposes for which such charges are designated during the time period which grant funds are available.

I agree that, as a condition of receipt of the grant, the State will return all grant funds if the State obligates or expends, at any time for the full duration of this grant, designated 911 charges for any purpose other than the purposes for which such charges are designated or presented, eliminates such charges, or redesignates such charges for purposes other than the

implementation or operation of 911 services, E-911 services, or Next Generation 911 services, and that if a taxing jurisdiction in the State that receives 911 grant funds diverts any portion of designated 911 charges imposed by the taxing jurisdiction for any purpose other than the purposes for which such charges are designated during the time period which grant funds are available, the State will ensure that 911 grant funds distributed to that taxing jurisdiction are returned.

III. I further certify that the State will comply with all applicable laws and regulations and financial and programmatic requirements for Federal grants.

_____
Signature of State 911 Coordinator
(or representative of single governmental body)

_____
Title

_____
Date

Appendix B To Part 400 –
Initial Certification For 911 Grant Applicants – Tribal Organizations

(To be submitted as part of the initial application)

I. On behalf of [*Tribal Organization*], I, [*print name*], hereby certify that:
(check **all** boxes below)

□ The Tribal Organization has coordinated the application with PSAPs within its jurisdiction.

□ The Tribal Organization has established a 911 Plan, consistent with the implementing regulations, for the coordination and implementation of 911 services, E-911 services, and Next Generation 911 services.

□ The Tribal Organization will ensure that at least 90 percent of the grant funds are used for the direct benefit of PSAPs.

□ The Tribal Organization has integrated telecommunications services involved in the implementation and delivery of 911 services, E-911 services, and Next Generation 911 services.

II. I further certify that the taxing jurisdiction (or jurisdictions) within which the Tribal Organization is located has not diverted and will not divert any portion of designated 911 charges imposed by the taxing jurisdiction (or jurisdictions) within which the Tribal Organization is located for any purpose other than the purposes for which such charges are designated or presented from the time period 180 days preceding the date of the application and continuing through the time period during which grant funds are available.

III. I agree that, as a condition of receipt of the grant, the Tribal Organization will return all grant funds if the taxing jurisdiction (or jurisdictions) within which the Tribal Organization is located obligates or expends, at any time for the full duration of this grant, designated 911 charges for any purpose other than the purposes for which such charges are designated or presented, eliminates such charges, or redesignates such charges for purposes other than the implementation or operation of 911 services, E-911 services, or Next Generation 911 services.

IV. I further certify that the Tribal Organization will comply with all applicable laws and regulations and financial and programmatic requirements for Federal grants.

V. The single State officer or government body serving as the 911 Coordinator of implementation of 911 services in each State in which the Tribal Organization is located is _____.

_____
Signature of Responsible Official

_____
Title

_____

Date

Appendix C To Part 400 –
Annual Certification For 911 Grant Recipients – States

(To be submitted annually after grant award while grant funds are available)

On behalf of [*State/Territory*], I, [*print name*], hereby certify that the State has not diverted any portion of designated 911 charges imposed by the State for any purpose other than the purposes for which such charges are designated or presented from the time period 180 days preceding the date of the application and continuing throughout the time period during which grant funds are available.

I further certify that no taxing jurisdiction in the State that will receive 911 grant funds has diverted any portion of the designated 911 charges for any purpose other than the purposes for which such charges are designated or presented from the time period 180 days preceding the date of the application.

I further certify that the State will ensure that each taxing jurisdiction in the State that receives 911 grant funds does not divert any portion of designated 911 charges imposed by the taxing jurisdiction for any purpose other than the purposes for which such charges are designated during the time period which grant funds are available.

I agree that, as a condition of receipt of the grant, the State will return all grant funds if the State obligates or expends, at any time for the full duration of this grant, designated 911 charges for any purpose other than the purposes for which such charges are designated or presented, eliminates such charges, or redesignates such charges for purposes other than the implementation or operation of 911 services, E-911 services, or Next Generation 911 services, and that if a taxing jurisdiction in the State that receives 911 grant funds diverts any portion of designated 911 charges imposed by the taxing jurisdiction for any purpose other than the purposes for which such charges are designated during the time period which grant funds are available, the State will ensure that 911 grant funds distributed to that taxing jurisdiction are returned.

_____
Signature of State 911 Coordinator
(or representative of single governmental body)

_____
Title

_____
Date

Appendix D To Part 400 –
Annual Certification For 911 Grant Recipients – Tribal Organizations

(To be submitted annually after grant award while grant funds are available)

On behalf of [*Tribal Organization*], I, [*print name*], hereby certify that the taxing jurisdiction (or jurisdictions) within which the Tribal Organization is located has not diverted and will not divert any portion of designated 911 charges imposed by the taxing jurisdiction (or jurisdictions) within which the Tribal Organization is located for any purpose other than the purposes for which such charges are designated or presented from the time period 180 days preceding the date of the application and continuing through the time period during which grant funds are available.

I further certify that the Tribal Organization will ensure that the taxing jurisdiction (or jurisdictions) within which the Tribal Organization is located that receives 911 grant funds does not divert any portion of designated 911 charges imposed by the taxing jurisdiction (or jurisdictions) for any purpose other than the purposes for which such charges are designated during the time period which grant funds are available.

I agree that, as a condition of receipt of the grant, the Tribal Organization will return all grant funds if the taxing jurisdiction (or jurisdictions) within which the Tribal Organization is located obligates or expends, at any time for the full duration of this grant, designated 911 charges for any purpose other than the purposes for which such charges are designated or presented, eliminates such charges, or redesignates such charges for purposes other than the implementation or operation of 911 services, E-911 services, or Next Generation 911 services.

_____
Signature of Responsible Official

_____
Title

_____
Date

Service	FCC Form No.	Fee amount	Payment type code
12. Permit to Deliver Programs to Foreign Broadcast Stations (per application):			
a. Commercial Television Stations	308 & 159	110.00	MBT
b. Commercial AM or FM Radio Stations	308 & 159	110.00	MBR
13. Recognized Operating Agency (per application)	Corres & 159	1,195.00	CUG

■ 8. Section 1.1108 is revised to read as follows:

§ 1.1108 Schedule of charges for applications and other filings for the international telecommunication services.

Payment can be made electronically using the Commission's electronic filing and payment system ''Fee Filer'' (*www.fcc.gov/feefiler*). Remit manual filings and/or payments for these services to: Federal Communications Commission, International Telecommunication Fees, P.O. Box 979096, St. Louis, MO 63197–9000.

Service	FCC Form No.	Fee amount	Payment type code
1. Administrative Fee for Collections (per line item)	99 & 99A	$2.00	IAT
2. Telecommunication Charges	99 & 99A		ITTS

■ 9. Section 1.1109 is revised to read as follows:

§ 1.1109 Schedule of charges for applications and other filings for the Homeland services.

Payments should be made electronically using the Commission's electronic filing and payment system ''Fee Filer'' (*www.fcc.gov/feefiler*). Manual filings and/or payments for these services are no longer accepted.

Service	FCC Form No.	Fee amount	Payment type code
1. Communication Assistance for Law Enforcement (CALEA) Petitions.	Corres & 159	$6,945.00	CLEA

[FR Doc. 2018–16039 Filed 8–2–18; 8:45 am]
BILLING CODE 6712–01–P

DEPARTMENT OF COMMERCE

National Telecommunications and Information Administration

DEPARTMENT OF TRANSPORTATION

National Highway Traffic Safety Administration

47 CFR Part 400

[Docket No. 170420407–8048–02]

RIN 0660–AA33; RIN 2127–AL86

911 Grant Program

AGENCY: National Telecommunications and Information Administration (NTIA), Commerce (DOC); and National Highway Traffic Safety Administration (NHTSA), Department of Transportation (DOT).

ACTION: Final rule.

SUMMARY: This action revises the implementing regulations for the 911 Grant Program, as a result of the enactment of the Next Generation 911 (NG911) Advancement Act of 2012. The 911 Grant Program provides grants to improve 911 services, E–911 services, and NG911 services and applications.

DATES: This final rule becomes effective on August 3, 2018.

FOR FURTHER INFORMATION CONTACT:

For program issues: Daniel Phythyon, Telecommunications Policy Specialist, Office of Public Safety Communications, National Telecommunications and Information Administration, U.S. Department of Commerce, 1401 Constitution Avenue NW, Room 4076, Washington, DC 20230; telephone: (202) 482–5802; email: *DPhythyon@ntia.doc.gov;* or

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For legal issues: Michael Vasquez, Attorney-Advisor, Office of the Chief Counsel, National Telecommunications and Information Administration, U.S. Department of Commerce, 1401 Constitution Avenue NW, Room 4713, Washington, DC 20230; telephone: (202) 482–1816; email: *MVasquez@ntia.doc.gov;* or

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SUPPLEMENTARY INFORMATION:

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I. Background

In 2009, NTIA and NHTSA issued regulations implementing the E–911 Grant Program enacted in the Ensuring Needed Help Arrives Near Callers Employing 911 (ENHANCE 911) Act of 2004 (Pub. L. 108–494, codified at 47 U.S.C. 942) (74 FR 26965, June 5, 2009). Accordingly, in 2009, NTIA and NHTSA made more than $40 million in grants available to 30 States and Territories to help 911 call centers nationwide upgrade equipment and operations through the E–911 Grant Program.

In 2012, the NG911 Advancement Act of 2012 (Middle Class Tax Relief and Job Creation Act of 2012, Public Law 112–96, Title VI, Subtitle E (codified at 47 U.S.C. 942)) enacted changes to the program. The NG911 Advancement Act provides new funding for grants to be used for the implementation and operation of 911 services, E–911 services, migration to an IP-enabled emergency network, and adoption and operation of NG911 services and applications; the implementation of IP-enabled emergency services and applications enabled by Next Generation 911 services, including the establishment of IP backbone networks and the application layer software infrastructure needed to interconnect the multitude of emergency response organizations; and training public safety personnel, including call-takers, first responders, and other individuals and organizations who are part of the emergency response chain in 911 services. In 2016, about $115 million from spectrum auction proceeds were deposited into the Public Safety Trust Fund and made available to NTIA and NHTSA for the 911 Grant Program.[1] On September 21, 2017, the Agencies published a Notice of Proposed Rulemaking (NPRM) seeking public comment on proposed regulations for the 911 Grant Program.[2]

For more than 40 years, local and state 911 call centers, also known as Public Safety Answering Points (PSAPs), have served the public in emergencies. PSAPs receive incoming 911 calls from the public and dispatch the appropriate emergency responders, such as police, fire, and emergency medical services, to the scene of emergencies. The purpose of the 911 Grant Program is to provide federal funding to support the transition of PSAPs and their interconnecting 911 network and core services, to facilitate migration to an IP-enabled emergency network, and adoption and operation of NG911 services and applications.

There are approximately 6,000 PSAPs nationwide that are responsible for answering and processing 911 calls requiring a response from police, fire, and emergency medical services agencies.[3] PSAPs collectively handle more than an estimated 240 million 911 calls each year.[4] About 70 percent of all 911 calls annually are placed from wireless phones.[5] Besides the public, PSAPs communicate with third-party call centers, other PSAPs, emergency service providers (*e.g.,* dispatch agencies, first responders, and other public safety entities), and State emergency operations centers.[6] Most PSAPs rely on decades-old, narrowband, circuit-switched networks capable of carrying only voice calls and very limited amounts of data.[7] Advances in consumer technology offering capabilities such as text messaging and video communications have quickly outpaced those of PSAPs, which often cannot support callers who wish to send text messages, images, video, and other communications that utilize large amounts of data (*e.g.,* telematics, sensor information).[8]

While there are still an estimated 50 counties that are using ''Basic'' 911 infrastructure, the majority of State and local jurisdictions have completed the process of updating their 911 network's infrastructure since the ENHANCE 911 Act was passed in 2004.[9] As of January 2017, data collected by the National Emergency Number Association (NENA) show that 98.6 percent of PSAPs are capable of receiving Phase II E–911 [10] calls, providing E–911 service to 98.6 percent of the U.S. population and 96.5 percent of our country's counties.[11] With the transition to E–911 essentially completed, State and local jurisdictions are now focused on migrating to NG911 infrastructure.

NG911 is an initiative to modernize today's 911 services so that citizens, first responders, and 911 call-takers can use IP-based, broadband-enabled technologies to coordinate emergency responses.[12] Using multiple formats, such as voice, text messages, photos, and video, NG911 enables 911 calls to contain real-time caller location and emergency information, improve coordination among the nation's PSAPs, dynamically re-route calls based on location and PSAP congestion, and connect first responders to key health and government services in the event of an emergency.[13]

Data collected by the National 911 Profile Database in 2016 show that 20 of the 46 States submitting data have adopted a statewide NG911 plan, 17 of 46 States are installing and testing basic components of the NG911 infrastructure, 10 of 45 States have 100 percent of their PSAPs connected to an Emergency Services IP Network, and 9 of 45 States are using NG911 infrastructure to receive and process 911 voice calls.[14] These data suggest that most State and local jurisdictions have already invested in and completed implementation of both basic 911 services and E–911 services and are focused on migration to NG911. The 911 Grant Program now seeks to provide financial support for investment in the forward-looking technology of NG911 as

[1] The Public Safety Trust Fund (TAS 13–12/22–8233) is an account established in the Treasury and managed by NTIA. From this account, NTIA makes available funds for a number of public safety related programs, including the 911 Grant Program. *See* 47 U.S.C. 1457(b)(6).

[2] *See* NTIA and NHTSA, 911 Grant Program, Notice of Proposed Rulemaking, 82 FR 44131 (Sept. 21, 2017), *available at https://www.gpo.gov/fdsys/pkg/FR-2017-09-21/pdf/2017-19944.pdf* (NPRM).

[3] Federal Communications Commission (FCC), Final Report of the Task Force on Optimal PSAP Architecture (TFOPA) at 15 (Jan. 29, 2016), *available at https://transition.fcc.gov/pshs/911/TFOPA/TFOPA_FINALReport_012916.pdf* (TFOPA Final Report). The National Emergency Number Association (NENA) estimates that there are 5,874 primary and secondary PSAPs as of January 2017. NENA 9–1–1 Statistics, *available at http://www.nena.org/?page=911Statistics.*

[4] TFOPA Final Report at 15. *See also,* NENA 9–1–1 Statistics.

[5] *Id.*

[6] TFOPA Final Report at 15.

[7] *Id.*

[8] *Id.*

[9] NENA 9–1–1 Statistics.

[10] *See* 47 CFR 20.18(e), (h) (defining Phase II enhanced 911 service).

[11] NENA 9–1–1 Statistics.

[12] National 911 Program, Next Generation 911 for Leaders in Law Enforcement Educational Supplement at 3 (2013), *available at https://www.911.gov/pdf/National_911_Program_NG911_Publication_Leaders_Law_Enforcement_2013.pdf.*

[13] *Id.* at 4–5.

[14] National 911 Program, 2016 National 911 Progress Report at 3, 85, 89 (Dec. 2016), *available at https://www.911.gov/pdf/National_911_Program_Profile_Database_Progress_Report_2016.pdf.*

contemplated by the NG911 Advancement Act.

II. Statutory Requirements

The Agencies' action implements modifications to the E–911 Grant Program as required by the NG911 Advancement Act of 2012 (Pub. L. 112–96, Title VI, Subtitle E, codified at 47 U.S.C. 942). The NG911 Advancement Act modifies the 911 Grant Program to incorporate NG911 services while preserving the basic structure of the program, which provided matching grants to eligible State and local governments and Tribal Organizations for the implementation and operation of Phase II services, E–911 services, or migration to an IP-enabled emergency network.

The NG911 Advancement Act, however, broadens the eligible uses of funds from the 911 Grant Program to include: Adoption and operation of NG911 services and applications; the implementation of IP-enabled emergency services and applications enabled by NG911 services, including the establishment of IP backbone networks and the application layer software infrastructure needed to interconnect the multitude of emergency response organizations; and training public safety personnel, including call-takers, first responders, and other individuals and organizations who are part of the emergency response chain in 911 services. The NG911 Advancement Act also increases the maximum Federal share of the cost of a project eligible for a grant from 50 percent to 60 percent.

States or other taxing jurisdictions that have diverted fees collected for 911 services remain ineligible for grants under the program and a State or jurisdiction that diverts fees during the term of the grant must repay all grant funds awarded. The NG911 Advancement Act further clarifies that prohibited diversion of 911 fees includes elimination of fees as well as redesignation of fees for purposes other than implementation or operation of 911 services, E–911 services, or NG911 services during the term of the grant.

III. Comments

The Agencies received submissions from 21 commenters in response to the NPRM. Commenters included the following five State and local agencies: The City of Chicago Office of Emergency Management and Communications (Chicago OEMC); the Colorado Public Utilities Commission (CO PUC); the District of Columbia Office of Unified Communications (DC OUC); the Missouri Department of Public Safety (MO DPS); and the Texas Commission on State Emergency Communications (TX CSEC). Four associations and consortiums provided comments: the Association of Public-Safety Communications Officials—International, Inc. (APCO); the National Association of State 911 Administrators (NASNA); the National Emergency Number Association, Inc. (NENA); and the National States Geographic Information Council (NSGIC). There were two corporate commenters: Carbyne Public Safety Systems (Carbyne) and Motorola Solutions, Inc. (Motorola). Ten individual commenters also provided comments: Annabel Cortez; Daniel Ramirez; John Sage; Jonathan Brock; Lara Wood; Lisa Ondatje; S. Bennett; and three anonymous commenters. Of these comments, three were out of the scope of this rulemaking.[15]

A. General Comments

NASNA expressed general agreement with the Agencies' proposal to retain the E911 Grant Program regulations as the basic framework for the 911 Grant Program.[16] We address NASNA's specific recommendations in the sections below.

APCO recommended consistent use of ''the National 911 program office'' for purposes of administering the grant program in order to provide simplicity and avoid confusion.[17] The regulatory text contains references to the ICO, the Administrator and Assistant Secretary (jointly), the Agencies, and to NHTSA. After reviewing these references, the Agencies have determined that, with the exception of one reference, these designations are appropriate to the roles fulfilled in each case. As a result, the Agencies have changed the reference to ''Agencies'' in 47 CFR 400.6(a)(2) to ''ICO.''

Three commenters, Lisa Ondatje, Annabel Cortez, and S. Bennett, expressed general support for the importance of implementing NG911 technologies.[18] Annabel Cortez further stressed that ''[s]tatistics of 911 services are key to accurately measuring current status and implementation across the United States.'' [19]

Four commenters discussed interoperability as a primary goal of the 911 Grant Program.[20] APCO commented that the standards listed in the SAFECOM Guidance are ''very broad, in some cases incomplete, and unlikely to ensure interoperability, at least without costly after-the-fact integrations.'' [21] APCO recommended that the Agencies add a definition for ''interoperable'' and explicitly require that applicants' State 911 plans commit to ensuring that solutions meet clear interoperability requirements.[22] Specifically, APCO suggested that the Agencies replace the word ''interconnect'' in 47 CFR 400.4(a)(1)(i)(B) with the term ''interoperable.'' [23] The proposed regulatory language in Section 400.4(a)(1)(i)(B) is a direct quote from the statute.[24] While the Agencies agree that interoperability is an important goal in the implementation of an NG911 system, the Agencies believe that the statutory term ''interconnect'' sufficiently covers the goal of interoperability, and make no change to the regulation in response to this comment.

B. Definitions (400.2)

The DC OUC suggested that the agencies add a definition for ''District'' or ''territories.'' [25] The statutory definition for ''State,'' which the agencies have incorporated into the regulation in its entirety, includes the District of Columbia and all U.S. territories,[26] therefore the agencies decline to make this change.

Two commenters requested changes to the definition for ''Next Generation 911 services.'' NASNA noted that some of the capabilities listed in the definition for Next Generation 911 services do not currently exist, and suggested that the definition be modified to clarify this.[27] APCO requested clarification that NG911 services encompass the ''operational

[15] An anonymous commenter commented broadly on EPA grants. Jonathan Brock and the Missouri Department of Public Safety both commented to encourage inter-agency sharing of dark fiber resources at the State level. However, the 911 Grant Program is an implementation grant and does not opine on the technologies used by grantees to implement NG911.

[16] NASNA at 1, *https://www.regulations.gov/document?D=NTIA-2017-0002-0016.*

[17] APCO at 5, *https://www.regulations.gov/document?D=NTIA-2017-0002-0010.*

[18] *See generally,* Lisa Ondatje, *https://www.regulations.gov/document?D=NTIA-2017-0002-0007;* Annabel Cortez, *https://www.regulations.gov/document?D=NHTSA-2017-0088-0004;* S. Bennett, *https://www.regulations.gov/document?D=NTIA-2017-0002-0003.*

[19] Cortez.

[20] *See* APCO at 1–3; Carbyne, *https://www.regulations.gov/document?D=NHTSA-2017-0088-0008;* NENA at 2 (late-filed), *https://www.regulations.gov/document?D=NTIA-2017-0002-0017;* NSGIC at 1, *https://www.regulations.gov/document?D=NTIA-2017-0002-0009.*

[21] APCO at 2.

[22] *Id.* at 3.

[23] *Id.*

[24] *See* 47 U.S.C. 942(b)(1)(B).

[25] DC OUC, *https://www.regulations.gov/document?D=NTIA-2017-0002-0005.*

[26] *See* 47 U.S.C. 942(e)(8).

[27] NASNA at 1.

goal whereby information sent to PSAPs can be received, processed, and acted upon.'' [28] The agencies decline to make the requested changes because the regulatory definition incorporates the statutory definition.[29] However, in the eligible uses section of the NPRM, the agencies specifically stated that grant recipients may choose to purchase or contract for services that provide the ''hardware and software that perform the necessary functions enabling NG911 calls to be received, processed and dispatched.'' [30] We reaffirm that here.

C. Who May Apply (400.3)

1. Tribal Organizations

Daniel Ramirez, NASNA, NENA, and an anonymous commenter all expressed general support for the Agencies' proposal to allow Tribal Organizations to apply directly for 911 Grant Program funding, noting that the prior regulations only allowed Tribal Organizations to receive grant funding through States and thus did not adequately support tribes.[31] The anonymous commenter further noted that Tribal Organizations may have difficulty meeting program requirements, but did not specify which requirements.

The CO PUC cautioned the Agencies not to create a ''one-size fits all'' approach for Tribal Organization applications and participation because Tribal Organizations vary widely in ''size, resources, and the current sophistication of their 9–1–1 systems.'' [32] The CO PUC further noted that the ability of Tribal Organizations to meet the non-diversion, 911 Coordinator, or match requirements would likely vary by Tribal Organization.[33] The Agencies agree that the needs and capacities of Tribal Organizations may vary widely. The Agencies believe that providing Tribal Organizations the option to apply for grant funding either directly or through States accommodates this diversity.

The CO PUC cautioned that if Tribal Organizations are allowed to obtain grant funding both directly and through States, it could lead to waste or duplication of efforts.[34] The CO PUC recommended that the Agencies require Tribal Organizations to determine whether to apply individually or to be included in a State's application.[35] Similarly, NASNA recommended that the Agencies require any applicant Tribal Organizations to inform the relevant State 911 Coordinator of their application in order to avoid duplication of efforts.[36] As in the prior iteration of the program, each State applicant must coordinate its application with local governments, Tribal Organizations, and PSAPs within the State.[37] In the course of this coordination—and prior to including a Tribal Organization in its application project budget—the State should determine whether a Tribal Organization within its jurisdiction intends to apply directly for grant funding. An applicant Tribal Organization must certify non-diversion by the State(s) in which it is located; to do so, a Tribal Organization should contact the State(s) in which it is located.[38] The Agencies believe that the existing coordination inherent in the application process ensures that a State will not unknowingly account for a Tribal Organization in its grant application if that Tribal Organization has applied independently, and therefore, we do not believe any changes to the regulation are required.

The Agencies specifically asked commenters whether tribal PSAPs collect 911 surcharge fees and/or receive State-provided 911 surcharge funds. The CO PUC responded that 911 surcharges are collected by local 911 governing bodies in Colorado and that one tribe, the Southern Ute Tribe, receives funding from the Emergency Telephone Service Authority of La Plata County. However, the CO PUC stated that it does not have reason to believe that the Southern Ute Tribe will have trouble certifying that it does not divert 911 surcharge fees.[39]

2. Local Applicants

The Chicago OEMC suggested that cities with large 911 systems be allowed to apply directly for grants due to ''the expansive scope of their operations as well as their specialized requirements.'' [40] While the Agencies understand this concern, the Agencies continue to believe that limiting the applicant pool to States and Tribal Organizations is necessary in order to streamline the grant process. However, as in the prior iteration of the program, each applicant State is required to coordinate its application with local governments and PSAPs within the State and to ensure that 90 percent of the grant funds be used for the direct benefit of PSAPs.

D. Application Requirements (400.4)

1. One- Versus Two-Step Application Process

The Agencies sought comment on whether to retain the one-step application process from the prior E911 Grant Program, or whether to use a proposed two-step application process. Two commenters, Motorola and the MO DPS, requested that the Agencies retain the one-step application process from the prior E911 Grant Program.[41] Motorola explained that the one-step application would expedite the grant process and avoid confusion amongst applicants, and argued that the proposed two-step application process is burdensome by requiring 911 authorities to meet two deadlines.[42] Four commenters—the CO PUC, NASNA, the TX CSEC, and an anonymous commenter—supported a two-step application process as proposed by the Agencies.[43] Based on the comments received, including the more detailed comments described below, the Agencies have determined that a two-step application will provide applicants with the most stable initial funding levels upon which they can prepare project budgets and will ensure the most efficient application process.

NASNA expressed support for a two-step process, while noting several issues that may still arise under that process.[44] NASNA noted that, for example, applicants may make the initial certifications, but later find they are unable to meet the match requirement or certify non-diversion of funds.[45] Nonetheless, NASNA stated that ''there is practical value to states in knowing exactly how much funding they can apply for.'' [46]

The CO PUC noted that the two-step application process would be more efficient because it would not require applicants to submit a supplemental project budget after submitting their

[28] APCO at 2.

[29] *See* 47 U.S.C. 942(e)(5).

[30] NPRM, 82 FR 44131, 44135.

[31] Daniel Ramirez, *https://www.regulations.gov/document?D=NHTSA-2017-0088-0006;* NASNA at 1–2; NENA at 1; Anonymous Comment One, *https://www.regulations.gov/document?D=NHTSA-2017-0088-0002.*

[32] CO PUC at 2, *https://www.regulations.gov/document?D=NTIA-2017-0002-0012.*

[33] *Id.* at 1–2.

[34] *Id.* at 1.

[35] *Id.*

[36] NASNA at 1–2.

[37] 47 CFR 400.4(a)(1)(iii)(A).

[38] *Id.* at § 400.4(b)(5).

[39] CO PUC at 2.

[40] Chicago OEMC, *https://www.regulations.gov/document?D=NTIA-2017-0002-0013.*

[41] *See* Motorola at 4–5, *https://www.regulations.gov/document?D=NTIA-2017-0002-0015;* MO DPS, *https://www.regulations.gov/document?D=NTIA-2017-0002-0014.*

[42] *See* Motorola at 4–5.

[43] *See* CO PUC at 3; NASNA at 2; TX CSEC at 2, *https://www.regulations.gov/document?D=NTIA-2017-0002-0011;* Anonymous Comment One.

[44] NASNA at 2.

[45] *Id.*

[46] *Id.*

original applications.[47] The Agencies do note, however, that although a supplemental budget is no longer required, applicants are still advised to submit a supplemental budget in the second step of the application process for use if additional funds become available at any point in the grant program.

The TX CSEC requested confirmation on some aspects of the two-step application process.[48] The TX CSEC asked whether an applicant that does not submit the certifications by the initial application deadline would be precluded from further participation in the grant program.[49] It further asked whether, in the event a State did not submit the initial certifications, ''the portion of 911 grant funds that would otherwise be allocated to it by formula would be included in the preliminary funding allocations for certifying Applicants?'' [50] In order to participate in the grant program, an applicant must submit the initial certifications by the initial application deadline. Failure to do so will remove that State from the funding pool; the preliminary funding levels will be calculated only for those applicants that submitted initial certifications. Finally, TX CSEC sought confirmation that the option to submit a supplemental project budget is meant to ''to account for the possibility that, notwithstanding having submitted an acceptable initial certification, an Applicant may (a) ultimately not submit an application, (b) may submit an application with a budget less than its preliminary funding amount; (c) not be able to use all of its preliminary funding during the grant period, or (d) have to return a portion of grant funds as a result of being unable to provide a complete annual certification regarding or a previous certification was deemed inaccurate.'' [51] The Agencies confirm this statement.

The anonymous commenter recommended that the two-step process ''should be implemented and run for a trial period,'' and that the Agencies make modifications or return to the one-step process if the trial does not work.[52] The funds made available from the Public Safety Trust Fund for the 911 Grant Program are available for obligation only until September 30, 2022. The Agencies do not believe that there is sufficient time before that date to undertake a second rulemaking to change the application process.

2. Other Application Issues

The DC OUC requested that the required State 911 Plan be ''defined well,'' noting that although DC has an NG911 Plan, it does not have a State 911 Plan because DC only has a single PSAP.[53] Without specific concerns from commenters, the Agencies do not believe it is necessary to clarify those requirements further because the application requirements laid out in Section 400.4 provide a detailed description of the required components of a State 911 Plan. The Agencies note that in instances like that of DC where there is a single PSAP in an applicant's jurisdiction, it is not necessary to include multiple PSAPs in the State 911 Plan as described in the regulation.

The MO DPS stated that ''the requirement to give priority to communities without 911 from the current E–911 Grant Program should not be eliminated.'' [54] The ENHANCE 911 Act, as amended by Public Law 110–53,[55] directed the Agencies to allow a portion of the E–911 grant funds to be used to give this priority to PSAPs that could not receive 911 calls. The NG911 Advancement Act, however, eliminated that requirement and the Agencies do the same in this regulation.

The TX CSEC commented that the certification requirement ''obligates each designated State 911 Coordinator (the Coordinator) to certify as to the non-diversion of designated 911 charges for all grant recipients,'' including ''taxing jurisdictions and grant recipients over whom the Coordinator may have no direct authority.'' [56] TX CSEC proposed modifications to Section 400.4(a)(5) and Appendices A and C in order ''to allow the State 9–1–1 Coordinator to receive and submit certifications directly from each taxing jurisdiction that will be a grant recipient,'' so that the 911 Coordinator could ''pass-through the certifications of [these] taxing jurisdictions.'' [57] Applicants, through their 911 Coordinator, must certify that neither the State (or Tribal Organization) nor any taxing jurisdiction that directly receives grant funds has diverted or will divert designated 911 charges. The Agencies understand that applicants may not have authority over every taxing jurisdiction which receives grant funds. However, the statutory language and certification requirements are clear that each applicant must sign the certification. Applicants may, if they wish, solicit certifications from grant subrecipients as an internal matter, but the certification submitted to the Agencies must be signed by the 911 Coordinator. The Agencies, therefore, make no modifications to the regulatory language.

APCO recommended that the Agencies allow applicants ''that have already expended non-federal funds toward NG911 deployments to count such expenses as in-kind contributions'' to satisfy the grant program's 40 percent non-Federal match requirement.[58] To allow applicants to match grant funds based on previous investments in 911 would be contrary to the statutory intent. The NG911 Advancement Act mandates a 60 percent Federal share at the project level.[59] The Agencies refer all applicants to 2 CFR 200.306 for more details on what is allowable to meet the match requirement.

E. Approval and Award (400.5)

Lara Wood commented that 47 CFR 400.5(c) states that the agencies will announce awards by September 30, 2009, and suggested that the date should read September 30, 2019.[60] September 30, 2009, is the date that appeared in the previously published E–911 Grant Program regulations. The new regulatory language does not include a specific award announcement date. Instead, the Agencies intend to provide the expected award date in the Notice of Funding Opportunity.

F. Distribution of Grant Funds (400.6)

1. Formula

The Agencies requested comment on whether the existing grant distribution formula factors—population and public road mileage—remain appropriate, and if not, what factors they should consider. The Agencies sought specific comment on how to account for remote and rural areas.

APCO commented that the Agencies' proposal to apportion ''available grant funds across all of the states and tribal organizations, to serve 911, Enhanced 911 (E911), and NG911 purposes'' would lead to only marginal enhancements in any given area.[61] Instead, APCO suggested that the Agencies give grants for ''model NG911

[47] CO PUC at 3.

[48] TX CSEC at 2–3.

[49] *Id.*

[50] *Id.* at 2.

[51] *Id.* at 2–3.

[52] *See* Anonymous Comment One.

[53] *See* DC OUC.

[54] MO DPS.

[55] Title XXIII, section 2303, Aug. 3, 2007.

[56] TX CSEC at 3.

[57] *Id.* at 3–4.

[58] APCO at 4.

[59] 47 U.S.C. 942(b)(2).

[60] *See* Lara Wood, *https://www.regulations.gov/document?D=NTIA-2017-0002-0004.*

[61] APCO at 1.

deployments for a few areas.'' [62] While the Agencies understand APCO's concerns, the Agencies continue to believe that a formula-based distribution of grant funds to all eligible States is necessary to assist in the implementation of NG911 nationwide, not just in specific locations. The Agencies have set a minimum grant amount in order to ensure that each eligible State and Territory receives a more than de minimis amount of grant funds.

Several commenters—identified in more detail below—recommended additional or substitute factors to use in the funding allocation, including call volume, land area, tourism rates, terrain, cost of needed technological advancements, usage data of call centers, wealth of state/region, access to hospitals/emergency centers, and type of threat experienced by location.

The MO DPS expressed support for retaining the current formula factors: Population and public road mileage.[63] An anonymous commenter expressed support for using population and public road mileage as factors for distribution of funds, and suggested the following additional potential factors: ''Data regarding the usage of call centers in those areas, wealth of the state or region and their access to hospitals and emergency centers.'' [64] However, the anonymous commenter did not provide any explanation for those factors. NASNA stated that the currently proposed formula may not adequately fund rural areas, but cautioned against choosing a factor that advantages rural states with a large land mass over smaller rural states.[65]

The DC OUC and the Chicago OEMC both suggested using call volume as a factor in the funding allocation in order to account for locations that have high tourist and commuter populations.[66] Funds for the 911 Grant Program are distributed at the State level, rather than at the PSAP level. The Agencies are concerned that call volume, which might provide useful localized data, would be less useful once aggregated across a State with a mix of urban and rural areas.

Similarly, the CO PUC commented that it does not support the currently proposed formula because it is unfair to rural, mountainous states such as Colorado that have large tourist populations.[67] The CO PUC agreed that cell towers retain an important role in the transmission of 911 calls to PSAPs, but disagreed with the Agencies' use of road miles as a proxy for cell towers because cell towers in Colorado are often built on mountain peaks far from roads.[68] The CO PUC recommended the following formula: 40 percent population, 40 percent land area, and 20 percent tourism rates.[69] The CO PUC further recommended that the Agencies consider including terrain as a factor in distributing grant funding.[70] The Agencies acknowledge the difficulty of accounting for tourism and terrain differences between states. However, the commenter has not identified a reliable source for State-level tourism rates, nor provided any recommendation for translating terrain into a formula variable.

An anonymous commenter supported better accounting for rural areas and advocated a weighted tiered system with individualized factors—including weighted scales to account for the types of threats to safety as well as the cost and type of the technological advancements needed—for determining grant funding amounts in order to provide for more flexibility.[71] The commenter further recommended breaking States into geographic regions ''so grants can be distributed to areas justifiably with public input.'' [72] While the Agencies appreciate the importance of directing grant funds where they are needed most, the Agencies recognize that it is necessary to streamline the grant process in order to provide timely awards. In addition, the Agencies do not have the expertise to make this type of localized determination. The Agencies believe that States are best situated to determine the needs of localities within their borders. The Agencies have, therefore, limited applications to States and Tribal Organizations. The Agencies make no change to the rule in response to this comment.

After considering the comments submitted, and consistent with the Agencies' specific responses above, the Agencies have determined that the existing formula, which equally accounts for population and road miles, is the most reliable method for calculating the distribution of 911 Grant Program funds.

2. Tribal Organizations

The Agencies specifically sought comment on how to distribute grant funds to Tribal Organizations. Two commenters, the CO PUC and an anonymous commenter, expressed support for applying the same formula to States and Tribal Organizations as proposed by the Agencies.[73] The CO PUC further recommended setting a floor level of funding for Tribal Organizations, similar to the minimum grant amounts provided for States and Territories.[74] The Agencies decline to set a minimum grant amount for Tribal Organizations because the size of Tribal Organizations varies so widely that a minimum funding level could create inequities and inefficiencies. Therefore, the Agencies will retain the proposed maximum funding level applicable to Tribal Organizations.

G. Eligible Uses for Grant Funds (400.7)

The regulatory language of 47 CFR 400.7 lays out the broad parameters of eligible use of 911 Grant Program funds. The Agencies provided additional clarification on certain specific uses of funds in the preamble to the NPRM. The Agencies received several comments relating to these uses. In order to keep the regulatory language broad, and to provide flexibility to grant recipients, the Agencies make no change to the regulatory language in response to these comments, but will address those comments here to provide further clarification.

1. NG911 Services

APCO and the CO PUC expressed support for the Agencies' proposal to provide grant recipients the flexibility to determine whether to provide NG911 services directly or through a contract.[75] APCO further suggested that the Agencies encourage applicants to ''propose forward-thinking solutions for NG911, even if the proposals deviate from traditional approaches to NG911 network architectures.'' [76] Provided that the hardware, software, and/or services comply with current NG911 standards, the Agencies do not proscribe specific architecture for a grantee's NG911 system.

The DC OUC and the MO DPS requested that the Agencies add consulting services to assist with the NG911 transition and deployment as an eligible cost.[77] In 47 CFR 400.9(a), the Agencies identified the requirements of

[62] *Id.*

[63] *See* MO DPS.

[64] Anonymous Comment One.

[65] NASNA at 2.

[66] *See* DC OUC, Chicago OEMC.

[67] CO PUC at 4.

[68] *Id.*

[69] CO PUC at 5–6.

[70] *Id.*

[71] *See* Anonymous Comment Two, *https://www.regulations.gov/document?D=NHTSA-2017-0088-0005.*

[72] *Id.*

[73] *See* CO PUC at 5, Anonymous Comment One.

[74] *See* CO PUC at 5.

[75] *See* APCO at 3, CO PUC at 6–7.

[76] APCO at 3.

[77] *See* DC OUC, MO DPS.

2 CFR part 200, including the cost principles in Subpart E, as applicable to the grants awarded under this program. In accordance with those cost principles, consultant costs are allowable provided that certain conditions are met. Commenters are directed to the applicable cost principle, 2 CFR 200.459—Professional service costs, for detail.

NENA supports the Agencies' incorporation of the NG911 standards, as listed in the DHS SAFECOM Guidance, Appendix B, which NENA notes incorporates by reference many NENA standards.[78] NENA specifically urged the Agencies to encourage grant recipients to implement i_3-based deployments, relying on the NENA i_3 standard laid out in ''Detailed Functional and Interface Specifications for the NENA i_3 Solution.'' [79] Similarly, NSGIC commented that the Agencies should more explicitly require applicants to follow NENA's i_3 standard, instead of the existing incorporation of the DHS SAFECOM Guidance.[80] The Agencies would like to clarify that the SAFECOM Guidance contains a list of acceptable standards which is a vital resource for developing an NG911 system that meets the goal of interoperability. The Agencies reaffirm the requirement for grant recipients to specify that hardware, software, and services comply with current NG911 standards; however, individual products only need to meet the relevant standard(s) within the list of standards in the SAFECOM Guidance. As NENA notes in its comment, the DHS SAFECOM Guidance incorporates by reference the 911 Program's ''NG911 Standards Identification and Review,'' which in turn lists NENA's i_3 standard.

Conversely, the CO PUC recommended that States be able to apply for waivers of the requirement that hardware, software, and services comply with the current NG911 standards listed in DHS's SAFECOM Guidance in certain instances—for example, when unable to find a product that meets all of the listed standards.[81] The Agencies do not believe that waivers are the most effective means of addressing the problem of vendors that do not meet existing standards. Rather, any vendor that believes it is impossible to meet existing standards is encouraged to work with the relevant Standards Development Organization (SDO) to revise existing standards.

Carbyne expressed support for innovative solutions in NG911 and recommended that ''any allocation of grant funds must come with the requirement that software and hardware be able to communicate with different PSAPs based on clearly defined standards that the FCC demands.'' [82] The FCC has jurisdiction to regulate the telecommunications service providers that deliver 911 calls from the public to PSAPs, whereas the 911 Grant Program provides funds for the direct benefit of PSAPs to improve the 911 system. FCC standards, therefore, are not applicable to hardware and software purchased using 911 Grant Program funds.

NSGIC commented that development and maintenance of geospatial datasets are necessary in order to support the desired NG911 services of call routing and coordinated incident response and management.[83] NSGIC provided suggested regulatory language modifications to the definition of Next Generation 911 services (Section 400.2), to the Application requirements section (Section 400.4(a)(1)(i)(B)), and to the Eligible uses section (Section 400.7(b)) to incorporate geographic information system (GIS) data.[84] The Agencies agree that GIS data is an integral component of the NG911 system. However, GIS data is already included in the broader terms ''software'' and ''data,'' which are used in the specified regulatory provisions. Furthermore, the regulatory provisions to which NSGIC provides recommended modifications are taken directly from the statutory language. Therefore, the Agencies decline to make the suggested modifications.

The CO PUC requested clarification as to what qualifies as an ''NG911 application eligible for funding,'' and specifically asked whether a Computer Aided Dispatch (CAD) system configured similar to an Emergency Services IP-network, or a CAD or radio system that is interoperable with the NG911 network, would be considered an eligible ''NG911 application.'' [85] The regulation allows use of funds for ''IP-enabled emergency services and applications enabled by NG911 services.'' [86] Whether a CAD or a radio system is an eligible application enabled by NG911 services, therefore, depends on whether the CAD or radio system is IP-enabled.

NENA urged the Agencies to ''encourage applicants to include relevant [independent verification and validation testing (IV&V)] for all proposed product, service, and system purchases funded with grant monies, or to fund collaborative, multi-jurisdictional IV&V testing'' to ensure interoperability.[87] The NG911 Advancement Act was established to facilitate implementation of NG911 services. While IV&V testing may be a useful tool for grantees, the Agencies do not believe that IV&V testing by individual States is an effective or efficient use of the limited grant funds available at this time.

2. Training

The Agencies requested comment on whether they should set a limit on the amount of 911 Grant Program funds that may be used for training and whether training funds should be limited to training designed to meet the ''Recommended Minimum Training Guidelines for Telecommunicators,'' [88] developed as part of a three-year effort by the National 911 program office. Two commenters, APCO and Motorola, stated that use of 911 Grant Program funds for training should not be limited to training designed to meet the ''Recommended Minimum Training Guidelines for Telecommunicators.'' [89] APCO recommended that eligible training ''should be related to operationalizing NG911 capabilities,'' whereas Motorola recommended that ''NG9–1–1 grant program funds should therefore be made available to support all levels of 9–1–1 services training.'' [90] The CO PUC expressed support for the Minimum Training Guidelines developed by the National 911 Program Office and commented that those guidelines were not unduly burdensome. The CO PUC then stated that it recommends that training expenses ''be strictly limited to training pertaining to NG9–1–1 transition and implementation,'' but does not believe that there should be a limit on the amount of funds expended on training.[91]

After considering the comments received, the Agencies believe that it is important to retain flexibility for grant recipients while ensuring efficient use of funds to meet the statutory intent to assist implementation of NG911.

[78] *See* NENA at 2.

[79] *Id.*

[80] NSGIC at 1–2.

[81] CO PUC at 7.

[82] Carbyne.

[83] NSGIC at 1.

[84] *Id.* at 2.

[85] CO PUC at 6.

[86] 47 CFR 400.7(b).

[87] NENA at 1–2.

[88] *See* National 911 Program, ''Recommended Minimum Training Guidelines for Telecommunicators'' (May 19, 2016), *available at http://www.911.gov/pdf/Recommended_Minimum_Training_Guidelines_for_the_911_Telecommunicator_FINAL_May_19_2016.pdf* (Minimum Training Guidelines).

[89] *See* APCO at 4, Motorola at 4.

[90] APCO at 4, Motorola at 4.

[91] CO PUC at 7.

Therefore, the Agencies will not set a limit on the amount of funds that may be used for training. However, 911 Grant Program funds may only be used for training that is related to NG911 implementation and operations. In order to ensure similar levels of training across the different components of NG911, the ''Recommended Minimum Training Guidelines for Telecommunicators'' must serve as a base level for training provided.

In response to the Agencies' request for comment on possible methods of documentation of PSAP compliance with the Minimum Training Guidelines, the CO PUC recommended certification by the 911 coordinator.[92] The Agencies' goal is to ensure that training provided using 911 Grant Program funding at least meet the Minimum Training Guidelines with the least burden on grantees. As such, the Agencies will require grantees to submit documentation that describes the training being provided and that identifies the included elements from the Minimum Training Guidelines.

The CO PUC recommended that the Agencies allow recipients to use grant funds to ''establish an ongoing training program for public safety telecommunicators.'' [93] The Agencies believe that establishing an ongoing training program is already an allowable expense under the program, though some costs of establishing such a program may qualify as administrative expenses subject to the 10 percent maximum.

3. Planning and Administration

The Agencies proposed allowing the use of funds for an assessment, using the FCC's ''NG911 Readiness Scorecard,'' [94] in order to assist States in determining the status of their current 911 systems as part of the NG911 implementation process. APCO and the CO PUC both agreed with the Agencies' proposal to allow grant recipients to use a portion of the 10 percent maximum for administrative costs to perform an assessment of the current 911 system.[95] However, APCO stated that ''the Office should avoid limiting applicants' self-assessments to any particular tool,'' such as the NG911 Readiness Scorecard.[96] The NG911 Readiness Scorecard was developed by the Task Force on Optimal Public Safety Answering Point Architecture, with extensive participation from the 911 stakeholder community, both private and public. One of the most important capacities of 911 systems is interoperability. The Agencies believe that a common assessment will help in this goal. For this reason, the Agencies strongly recommend that grantees complete an assessment using the NG911 Readiness Scorecard, but grantees may choose another basis for their assessments.

4. Operation of 911 System

The MO DPS stated that ''[f]or 911–PSAPs that only have basic 911 infrastructure and the legacy enhancements from the 2009 E–911 grant, sustainment and maintenance of those systems should be considered as an eligible cost.'' [97] Relatedly, the DC OUC requested that the agencies allow recipients to use grant funds for ''continuation or maintenance of NG911'' for ''early adopters.'' [98] However, in order to maximize use of funds to meet the statutory goal of implementation of an NG911 system, the Agencies have determined that grant recipients may only use 911 Grant Program funds to cover the costs of operating the NG911 system during the period when the recipient is also operating the current legacy system. Once the NG911 system is fully operational, the costs of operating the system should be paid for using surcharge fees collected by State and local governments, as anticipated by the NG911 Advancement Act. Grant recipients should already be using designated 911 charges to fund the operation and maintenance of the 911 or E–911 systems.

While expressing agreement with the Agencies' clarification that operation of the NG911 system is an eligible cost while the grantee is still operating its legacy 911 system, the CO PUC stated that it does ''not believe the Agencies intend to restrict the use of funds to only operational costs.'' [99] The Agencies' clarification regarding operation of the NG911 system was intended to clarify the circumstances in which the costs of operation, as opposed to costs of implementation, of the NG911 system would be allowable. As laid out in the regulation, implementation of the NG911 system—which includes non-recurring and capital expenses related to the NG911 transition—is an eligible cost.

H. Continuing Compliance (400.8)

APCO requested that the Agencies create a clear definition of fee diversion, citing disagreement between the FCC and four States in the most recent FCC report ''On State Collection and Distribution of 911 and Enhanced 911 Fees and Charges.'' [100] The FCC's annual report is authorized under the New and Emerging Technologies 911 Improvement Act of 2008 (NET 911 Act), which is separate from the NG911 Advancement Act. As such, the Agencies are not bound by the FCC's interpretation of non-diversion under the NET 911 Act. The NG911 Advancement Act requires applicants to certify that ''no portion of any designated 911 charges imposed by a State or other taxing jurisdiction within which the applicant is located are being obligated or expended for any purpose other than the purposes for which such charges are designated or presented.'' [101] As such, fee diversion is largely dependent upon how the fees in question are designated, which varies by State. Providing a single definition of fee diversion, beyond the description provided by the statute and incorporated in the certifications, would ignore the ability of States to designate 911 charges. The Agencies make no change to the rule in response to this comment.

Daniel Ramirez submitted a comment that was somewhat unclear, but that the Agencies interpret to state agreement with the non-diversion requirement in the grant.[102]

I. Waiver Authority (400.11)

The CO PUC stated general support for allowing waiver requests for discretionary provisions of the grant program regulations.[103] APCO stated that certain circumstances could justify a waiver.[104] APCO also requested that the Agencies provide an opportunity for notice and comment by the 911 community when considering whether to grant a waiver.[105] The Agencies intend to only use this waiver ability in extraordinary circumstances. Therefore,

[92] *See id.* at 8.

[93] *Id.* at 7.

[94] *See* FCC, TFOPA Working Group 2 Phase II Supplemental Report: NG9–1–1 Readiness Scorecard (Dec. 2, 2016), *available at https://transition.fcc.gov/pshs/911/TFOPA/TFOPA_WG2_Supplemental_Report-120216.pdf.*

[95] *See* APCO at 4, CO PUC at 8.

[96] APCO at 4.

[97] MO DPS.

[98] DC OUC.

[99] CO PUC at 8.

[100] APCO at 3. FCC, Eighth Annual Report to Congress On State Collection and Distribution of 911 and Enhanced 911 Fees and Charges (Dec. 30, 2016), *available at https://apps.fcc.gov/edocs_public/attachmatch/DA-17-61A2.pdf.*

[101] 47 U.S.C. 942(c)(2).

[102] *See* Daniel Ramirez.

[103] *See* CO PUC at 9.

[104] See APCO at 4.

[105] *See id.*

we decline to make a change to the regulation in response to this comment.

IV. Regulatory Analyses and Notices

Executive Order 12866 (Regulatory Policies and Procedures)

This rulemaking has been determined to be significant under section 3(f)(4) of Executive Order 12866, and therefore has been reviewed by the Office of Management and Budget (OMB).

Executive Order 13771

This rulemaking is exempt from the requirements of Executive Order 13771 because it is a ''transfer rule.''

Administrative Procedure Act

The effective date of this final rule is the date of publication. The Administrative Procedure Act's required 30-day delay in effective date for substantive rules does not apply here as this rule concerns grants. *See* 5 U.S.C. 553(a)(2).

Regulatory Flexibility Act

The Chief Counsel for Regulation of the Department of Commerce and the Assistant Chief Counsel for the National Highway Traffic Safety Administration certified to the Small Business Administration Office of Advocacy at the proposed rule stage that this final rule is not expected to have a significant economic impact on a substantial number of small entities. Congress enacted the Regulatory Flexibility Act of 1980 (RFA), as amended, 5 U.S.C. 601–612, to ensure that Government regulations do not unnecessarily or disproportionately burden small entities. The RFA requires a regulatory flexibility analysis if a rule would have a significant economic impact on a substantial number of small entities. The majority of potential applicants (56) for 911 grants are U.S. States and Territories, which are not ''small entities'' for the purposes of the RFA. *See* 5 U.S.C. 601(5). The remaining potential grant applicants are a small number of Tribal Organizations (approximately 13) with a substantial emergency management/public safety presence within their jurisdictions. Like States, Tribal Organizations are not ''small entities'' for the purposes of the RFA. *See* Small Business Regulatory Flexibility Improvements Act of 2015, S. 1536, 114th Cong. § 2(d) (2015) (proposing to add Tribal Organizations to the RFA's ''small governmental jurisdiction'' definition, one of three categories of ''small entities'' in the RFA). Therefore, we have determined under the RFA that this final rule would not have a significant economic impact on a substantial number of small entities. Accordingly, no Regulatory Flexibility Analysis is required, and none has been prepared.

Congressional Review Act

This rulemaking has not been determined to be major under the Congressional Review Act, 5 U.S.C. 801 *et seq.*

Executive Order 13132 (Federalism)

This final rule does not contain policies having federalism implications requiring preparations of a Federalism Summary Impact Statement.

Executive Order 12988 (Civil Justice Reform)

This rulemaking has been reviewed under Executive Order 12988, Civil Justice Reform, as amended by Executive Order 13175. The Agencies have determined that the final rule meets the applicable standards provided in section 3 of the Executive Order to minimize litigation, eliminate ambiguity, and reduce burden.

Executive Order 12372 (Intergovernmental Consultation)

Applications under this program are subject to Executive Order 12372, ''Intergovernmental Review of Federal Programs,'' which requires intergovernmental consultation with State and local officials. All applicants are required to submit a copy of their applications to their designated State Single Point of Contact (SPOC) offices. *See* 7 CFR part 3015, subpart V.

Executive Order 12630

This final rule does not contain policies that have takings implications.

Executive Order 13175 (Consultation and Coordination With Indian Tribes)

The Agencies have analyzed this final rule under Executive Order 13175, and have determined that the action would not have a substantial direct effect on one or more Indian tribes, would not impose substantial direct compliance costs on Indian tribal governments, and would not preempt tribal law. The program is voluntary and any Tribal Organization that chooses to apply and subsequently qualifies would receive grant funds. Therefore, a tribal summary impact statement is not required.

Paperwork Reduction Act

The Paperwork Reduction Act of 1995 (44 U.S.C. 3501 *et seq.*) requires each Federal agency to seek and obtain OMB approval before collecting information from the public. Federal agencies may not collect information unless it displays a currently valid OMB control number. OMB has approved the Agencies' requests to use previously-approved Standard Forms 424 (Application for Federal Assistance), 424A (Budget Information for Non-Construction Programs), 424B (Assurances for Non-Construction Programs), 424C (Budget Information for Construction Programs), 425 (Federal Financial Report), and SF–LLL (Disclosure for Lobbying Activities) under the respective control numbers 4040–0004, 4040–0005, 4040–0006, 4040–0007, 4040–0014, and 4040–0013. OMB pre-approved the Agencies' information collection request for the State 911 Plans and the Annual Performance Reports and assigned it control number 0660–0041.

The Agencies received no comments in response to their requests to utilize common forms or their information collection request for the State 911 Plans and Annual Performance Reports. The approved requests to use common forms and approved information collection request may be viewed at *reginfo.gov*.

Unfunded Mandates Reform Act

This final rule contains no Federal mandates (under the regulatory provision of Title II of the Unfunded Mandates Reform Act of 1995) for State, local, and tribal governments or the private sector. The program is voluntary and States and Tribal Organizations that choose to apply and qualify would receive grant funds. Thus, this rulemaking is not subject to the requirements of sections 202 and 205 of the Unfunded Mandates Reform Act of 1995.

National Environmental Policy Act

The Agencies have reviewed this rulemaking action for the purposes of the National Environmental Policy Act. The Agencies have determined that this final rule would not have a significant impact on the quality of the human environment.

Dated: July 30, 2018.

David J. Redl,

Assistant Secretary for Communications and Information, National Telecommunications and Information Administration.

Heidi King,

Deputy Administrator, National Highway Traffic Safety Administration.

List of Subjects in 47 CFR Part 400

Grant programs, Telecommunications, Emergency response capabilities (911).

■ In consideration of the foregoing, the National Telecommunications and Information Administration, Department of Commerce, and the

National Highway Traffic Safety Administration, Department of Transportation, revises 47 CFR part 400 to read as follows:

PART 400—911 GRANT PROGRAM

Sec.
400.1 Purpose.
400.2 Definitions.
400.3 Who may apply.
400.4 Application requirements.
400.5 Approval and award.
400.6 Distribution of grant funds.
400.7 Eligible uses for grant funds.
400.8 Continuing compliance.
400.9 Financial and administrative requirements.
400.10 Closeout.
400.11 Waiver authority.
Appendix A to Part 400—Initial Certification for 911 Grant Applicants—States
Appendix B to Part 400—Initial Certification for 911 Grant Applicants—Tribal Organizations
Appendix C to Part 400—Annual Certification for 911 Grant Recipients—States
Appendix D to Part 400—Annual Certification for 911 Grant Recipients—Tribal Organizations

Authority: 47 U.S.C. 942.

§ 400.1 Purpose.

This part establishes uniform application, approval, award, financial and administrative requirements for the grant program authorized under the ''Ensuring Needed Help Arrives Near Callers Employing 911 Act of 2004'' (ENHANCE 911 Act), as amended by the ''Next Generation 911 Advancement Act of 2012'' (NG911 Advancement Act).

§ 400.2 Definitions.

As used in this part—

911 Coordinator means a single officer or governmental body of the State in which the applicant is located that is responsible for coordinating implementation of 911 services in that State.

911 services means both E–911 services and Next Generation 911 services.

Administrator means the Administrator of the National Highway Traffic Safety Administration (NHTSA), U.S. Department of Transportation.

Assistant Secretary means the Assistant Secretary for Communications and Information, U.S. Department of Commerce, and Administrator of the National Telecommunications and Information Administration (NTIA).

Designated 911 charges means any taxes, fees, or other charges imposed by a State or other taxing jurisdiction that are designated or presented as dedicated to deliver or improve 911, E–911 or NG911 services.

E–911 services means both phase I and phase II enhanced 911 services, as described in § 20.18 of this title, as subsequently revised.

Emergency call refers to any real-time communication with a public safety answering point or other emergency management or response agency, including—

(1) Through voice, text, or video and related data; and

(2) Nonhuman-initiated automatic event alerts, such as alarms, telematics, or sensor data, which may also include real-time voice, text, or video communications.

ICO means the 911 Implementation Coordination Office established under 47 U.S.C. 942 for the administration of the 911 grant program, located at the National Highway Traffic Safety Administration, U.S. Department of Transportation, 1200 New Jersey Avenue SE, NTI–140, Washington, DC 20590.

Integrated telecommunications services means one or more elements of the provision of multiple 911 systems' or PSAPs' infrastructure, equipment, or utilities, such as voice, data, image, graphics, and video network, customer premises equipment (such as consoles, hardware, or software), or other utilities, which make common use of all or part of the same transmission facilities, switches, signaling, or control devices (*e.g.,* database, cybersecurity).

IP-enabled emergency network or IP-enabled emergency system means an emergency communications network or system based on a secured infrastructure that allows secured transmission of information, using internet Protocol, among users of the network or system.

Next Generation 911 services means an IP-based system comprised of hardware, software, data, and operational policies and procedures that—

(1) Provides standardized interfaces from emergency call and message services to support emergency communications;

(2) Processes all types of emergency calls, including voice, data, and multimedia information;

(3) Acquires and integrates additional emergency call data useful to call routing and handling;

(4) Delivers the emergency calls, messages, and data to the appropriate public safety answering point and other appropriate emergency entities;

(5) Supports data or video communications needs for coordinated incident response and management; and

(6) Provides broadband service to public safety answering points or other first responder entities.

PSAP means a public safety answering point, a facility that has been designated to receive emergency calls and route them to emergency service personnel.

State means any State of the United States, the District of Columbia, Puerto Rico, American Samoa, Guam, the United States Virgin Islands, the Northern Mariana Islands, and any other territory or possession of the United States.

Tribal Organization means the recognized governing body of any Indian tribe; any legally established organization of Indians which is controlled, sanctioned, or chartered by such governing body or which is democratically elected by the adult members of the Indian community to be served by such organization and which includes the maximum participation of Indians in all phases of its activities: Provided, that in any case where a contract is let or grant made to an organization to perform services benefiting more than one Indian tribe, the approval of each such Indian tribe shall be a prerequisite to the letting or making of such contract or grant.

§ 400.3 Who may apply.

In order to apply for a grant under this part, an applicant must be a State or Tribal Organization as defined in § 400.2.

§ 400.4 Application requirements.

(a) *Contents for a State application.* An application for funds for the 911 Grant Program from a State must consist of the following components:

(1) *State 911 plan.* A plan that—

(i) Details the projects and activities proposed to be funded for:

(A) The implementation and operation of 911 services, E–911 services, migration to an IP-enabled emergency network, and adoption and operation of Next Generation 911 services and applications;

(B) The implementation of IP-enabled emergency services and applications enabled by Next Generation 911 services, including the establishment of IP backbone networks and the application layer software infrastructure needed to interconnect the multitude of emergency response organizations; and

(C) Training public safety personnel, including call-takers, first responders, and other individuals and organizations who are part of the emergency response chain in 911 services.

(ii) Establishes metrics and a time table for grant implementation; and

(iii) Describes the steps the applicant has taken to—

(A) Coordinate its application with local governments, Tribal Organizations, and PSAPs within the State;

(B) Ensure that at least 90 percent of the grant funds will be used for the direct benefit of PSAPs and not more than 10 percent of the grant funds will be used for the applicant's administrative expenses related to the 911 Grant Program; and

(C) Involve integrated telecommunications services in the implementation and delivery of 911 services, E–911 services, and Next Generation 911 services.

(2) *Project budget.* A project budget for all proposed projects and activities to be funded by the grant funds. Specifically, for each project or activity, the applicant must:

(i) Demonstrate that the project or activity meets the eligible use requirement in § 400.7; and

(ii) Identify the non-Federal sources, which meet the requirements of 2 CFR 200.306, that will fund at least 40 percent of the cost; except that as provided in 48 U.S.C. 1469a, the requirement for non-Federal matching funds (including in-kind contributions) is waived for American Samoa, Guam, the Northern Mariana Islands, and the U.S. Virgin Islands for grant amounts up to $200,000.

(3) *Supplemental project budget.* States that qualify for a grant under the program may also qualify for additional grant funds that may become available. To be eligible for any such additional grant funds that may become available in accordance with § 400.6, a State must submit, with its application, a supplemental project budget that identifies the maximum dollar amount the State is able to match from non-Federal sources meeting the requirements of 2 CFR 200.306, and includes projects or activities for those grant and matching amounts, up to the total amount in the project budget submitted under paragraph (a)(2) of this section. This information must be provided to the same level of detail as required under paragraph (a)(2) of this section and be consistent with the State 911 Plan required under paragraph (a)(1) of this section.

(4) *Designated 911 Coordinator.* The identification of a single officer or government body to serve as the 911 Coordinator of implementation of 911 services and to sign the certifications required under this part. Such designation need not vest such coordinator with legal authority to implement 911 services, E–911 services, or Next Generation 911 services or to manage emergency communications operations. If a State applicant has established by law or regulation an office or coordinator with the authority to manage 911 services, that office or coordinator must be identified as the designated 911 Coordinator and apply for the grant on behalf of the State. If a State applicant does not have such an office or coordinator established, the Governor of the State must appoint a single officer or governmental body to serve as the 911 Coordinator in order to qualify for a 911 grant. If the designated 911 Coordinator is a governmental body, an official representative of the governmental body shall be identified to sign the certifications for the 911 Coordinator. The State must notify NHTSA in writing within 30 days of any change in appointment of the 911 Coordinator.

(5) *Certifications.* The certification in Appendix A of this part, signed by the 911 Coordinator, certifying that the applicant has complied with the required statutory and programmatic conditions in submitting its application. The applicant must certify that during the time period 180 days immediately preceding the date of the initial application, the State has not diverted any portion of designated 911 charges imposed by the State for any purpose other than the purposes for which such charges are designated or presented, that no taxing jurisdiction in the State that will be a recipient of 911 grant funds has diverted any portion of designated 911 charges imposed by the taxing jurisdiction for any purpose other than the purposes for which such charges are designated or presented, and that, continuing through the time period during which grant funds are available, neither the State nor any taxing jurisdiction in the State that is a recipient of 911 grant funds will divert designated 911 charges for any purpose other than the purposes for which such charges are designated or presented.

(b) *Contents for a Tribal Organization application.* An application for funds for the 911 Grant Program from a Tribal Organization must consist of the following components:

(1) Tribal Organization 911 Plan. A plan that—

(i) Details the projects and activities proposed to be funded for:

(A) The implementation and operation of 911 services, E–911 services, migration to an IP-enabled emergency network, and adoption and operation of Next Generation 911 services and applications;

(B) The implementation of IP-enabled emergency services and applications enabled by Next Generation 911 services, including the establishment of IP backbone networks and the application layer software infrastructure needed to interconnect the multitude of emergency response organizations; and

(C) Training public safety personnel, including call-takers, first responders, and other individuals and organizations who are part of the emergency response chain in 911 services.

(ii) Establishes metrics and a time table for grant implementation; and

(iii) Describes the steps the applicant has taken to—

(A) Coordinate its application with PSAPs within the Tribal Organization's jurisdiction;

(B) Ensure that at least 90 percent of the grant funds will be used for the direct benefit of PSAPs and not more than 10 percent of the grant funds will be used for the applicant's administrative expenses related to the 911 Grant Program; and

(C) Involve integrated telecommunications services in the implementation and delivery of 911 services, E–911 services, and Next Generation 911 services.

(2) *Project budget.* A project budget for all proposed projects and activities to be funded by the grant funds. Specifically, for each project or activity, the applicant must:

(i) Demonstrate that the project or activity meets the eligible use requirement in § 400.7; and

(ii) Identify the allowable sources, which meet the requirements of 2 CFR 200.306, that will fund at least 40 percent of the cost.

(3) *Supplemental project budget.* Tribal Organizations that qualify for a grant under the program may also qualify for additional grant funds that may become available. To be eligible for any such additional grant funds that may become available in accordance with § 400.6, a Tribal Organization must submit, with its application, a supplemental project budget that identifies the maximum dollar amount the Tribal Organization is able to match from allowable sources meeting the requirements of 2 CFR 200.306, and includes projects or activities for those grant and matching amounts, up to the total amount in the project budget submitted under paragraph (b)(2) of this section. This information must be provided to the same level of detail as required under paragraph (b)(2) of this section and be consistent with the Tribal Organization 911 Plan required under paragraph (b)(1) of this section.

(4) *Designated 911 Coordinator.* Written identification of the single State officer or government body serving as the 911 Coordinator of implementation of 911 services in the State (or States) in which the Tribal Organization is

located. If a State has not designated an officer or government body to coordinate such services, the Governor of the State must appoint a single officer or governmental body to serve as the 911 Coordinator in order for the Tribal Organization to qualify for a 911 grant. The Tribal Organization must notify NHTSA in writing within 30 days of any change in appointment of the 911 Coordinator.

(b) *Responsible Tribal Organization Official.* Written identification of the official responsible for executing the grant agreement and signing the required certifications on behalf of the Tribal Organization.

(5) *Certifications.* The certification in Appendix B of this part, signed by the responsible official of the Tribal Organization, certifying that the applicant has complied with the required statutory and programmatic conditions in submitting its application. The applicant must certify that during the time period 180 days immediately preceding the date of the initial application, the taxing jurisdiction (or jurisdictions) within which the applicant is located has not diverted any portion of designated 911 charges imposed by the taxing jurisdiction (or jurisdictions) within which the applicant is located for any purpose other than the purposes for which such charges are designated or presented and that, continuing through the time period during which grant funds are available, the taxing jurisdiction (or jurisdictions) within which the applicant is located will not divert designated 911 charges for any purpose other than the purposes for which such charges are designated or presented.

(c) *Due dates*—(1) *Initial application deadline.* The applicant must submit the certification set forth in Appendix A of this part if a State, or Appendix B of this part if a Tribal Organization, no later than the initial application deadline published in the Notice of Funding Opportunity. Failure to meet this deadline will preclude the applicant from receiving consideration for a 911 grant award.

(2) *Final application deadline.* After publication of the funding allocation for the 911 Grant Program in a revision to the Funding Opportunity, applicants that have complied with paragraph (c)(1) of this section will be given additional time in which to submit remaining application documents in compliance with this section, including a supplemental project budget. The revision to the Notice of Funding Opportunity will provide such deadline information. Failure to meet this deadline will preclude the applicant from receiving consideration for a 911 grant award.

§ 400.5 Approval and award.

(a) The ICO will review each application for compliance with the requirements of this part.

(b) The ICO may request additional information from the applicant, with respect to any of the application submission requirements of § 400.4, prior to making a recommendation for an award. Failure to submit such additional information may preclude the applicant from further consideration for award.

(c) The Administrator and Assistant Secretary will jointly approve and announce, in writing, grant awards to qualifying applicants.

§ 400.6 Distribution of grant funds.

(a) *Funding allocation.* Except as provided in paragraph (b) of this section—

(1) Grant funds for each State that meets the certification requirements set forth in § 400.4 will be allocated—

(i) 50 percent in the ratio which the population of the State bears to the total population of all the States, as shown by the latest available Federal census; and

(ii) 50 percent in the ratio which the public road mileage in each State bears to the total public road mileage in all States, as shown by the latest available Federal Highway Administration data.

(2) Grant funds for each Tribal Organization that meets the certification requirements set forth in § 400.4 will be allocated—

(i) 50 percent in the ratio to which the population of the Tribal Organization bears to the total population of all Tribal Organizations, as determined by the most recent population data on American Indian/Alaska Native Reservation of Statistical Area; and

(ii) 50 percent in the ratio which the public road mileage in each Tribal Organization bears to the total public road mileage in tribal areas, using the most recent national tribal transportation facility inventory data.

(2) *Supplemental project budgets.* As set forth in § 400.4(a)(3) and (b)(3), the ICO reserves the right to allocate additional funds based on supplemental project budgets.

(b)(1) *Minimum distribution.* The distribution to each qualifying State under paragraph (b) of this section shall not be less than $500,000, except that the distribution to American Samoa, Guam, the Northern Mariana Islands, and the U.S. Virgin Islands shall not be less than $250,000.

(2) *Tribal Organization set-aside.* Up to 2 percent of grant funds available under this part will be set aside for distribution to qualifying Tribal Organizations for a 911 grant. The distribution to each qualifying Tribal Organization shall not be more than $250,000. Any remaining funds after distribution to qualifying Tribal Organizations under this subparagraph will be released for distribution to the States consistent with paragraph (a) of this section.

(c) *Additional notices of funding opportunity.* Grant funds that are not distributed under paragraph (a) of this section may be made available to States and Tribal Organizations through subsequent Notices of Funding Opportunity.

§ 400.7 Eligible uses for grant funds.

Grant funds awarded under this part may be used only for:

(a) The implementation and operation of 911 services, E–911 services, migration to an IP-enabled emergency network, and adoption and operation of Next Generation 911 services and applications;

(b) The implementation of IP-enabled emergency services and applications enabled by Next Generation 911 services, including the establishment of IP backbone networks and the application layer software infrastructure needed to interconnect the multitude of emergency response organizations; and

(c) 911-related training of public safety personnel, including call-takers, first responders, and other individuals and organizations who are part of the emergency response chain in 911 services.

§ 400.8 Continuing compliance.

(a) A grant recipient must submit on an annual basis 30 days after the end of each fiscal year during which grant funds are available, the certification set forth in Appendix C of this part if a State, or Appendix D of this part if a Tribal Organization, making the same certification concerning the diversion of designated 911 charges.

(b) In accordance with 47 U.S.C. 942(c), where a recipient knowingly provides false or inaccurate information in its certification related to the diversion of designated 911 charges, the recipient shall—

(1) Not be eligible to receive the grant under this part;

(2) Return any grant awarded under this part during the time that the certification was not valid; and

(3) Not be eligible to receive any subsequent grants under this part.

§ 400.9 Financial and administrative requirements.

(a) *General.* The requirements of 2 CFR part 200, the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, including applicable cost principles referenced at subpart E, govern the implementation and management of grants awarded under this part.

(b) *Reporting requirements*—(1) *Performance reports.* Each grant recipient shall submit an annual performance report to NHTSA, following the procedures of 2 CFR 200.328, within 90 days after each fiscal year that grant funds are available, except when a final report is required under § 400.10(b)(2).

(2) *Financial reports.* Each recipient shall submit quarterly financial reports to NHTSA, following the procedures of 2 CFR 200.327, within 30 days after each fiscal quarter that grant funds are available, except when a final voucher is required under § 400.10(b)(1).

§ 400.10 Closeout.

(a) *Expiration of the right to incur costs.* The right to incur costs under this part will expire as of the end of the period of performance. The grant recipient and its subrecipients and contractors may not incur costs for Federal reimbursement past the expiration date.

(b) *Final submissions.* Within 90 days after the completion of projects and activities funded under this part, but in no event later than the expiration date identified in paragraph (a) of this section, each grant recipient must submit—

(1) A final voucher for the costs incurred. The final voucher constitutes the final financial reconciliation for the grant award.

(2) A final report to NHTSA, following the procedures of 2 CFR 200.343(a).

(c) *Disposition of unexpended balances.* Any funds that remain unexpended after closeout shall cease to be available to the recipient and shall be returned to the government.

§ 400.11 Waiver authority.

It is the general intent of the ICO not to waive any of the provisions set forth in this part. However, under extraordinary circumstances and when it is in the best interest of the federal government, the ICO, upon its own initiative or when requested, may waive the provisions in this part. Waivers may only be granted for requirements that are discretionary and not mandated by statute or other applicable law. Any request for a waiver must set forth the extraordinary circumstances for the request.

Appendix A To Part 400 –

Initial Certification For 911 Grant Applicants – States

(To be submitted as part of the initial application)

I. On behalf of [*State/Territory*], I, [*print name*], hereby certify that:

(check **only one** box below)

□ [*State or Territory*] has established by law or regulation [*name of 911 office/coordinator*] with the authority to manage 911 services in the State, and I am its representative. *See* [*citation to State law or rule*]. [*Name of 911 office/coordinator*] will serve as the designated 911 Coordinator.

□ [*State or Territory*] does not have an office or coordinator with the authority to manage 911 services, and the Governor of [*State or Territory*] has designated

(check **only one** circle below)

o me as the State's single officer to serve as the 911 Coordinator of 911 services implementation; or

o [*governmental body*] as the State's single governmental body, to serve as the 911 Coordinator of 911 services implementation, and I am its representative.

(check **all** boxes below)

□ The State has coordinated the application with local governments, Tribal Organizations and PSAPs within the State.

□ The State has established a State 911 Plan, consistent with the implementing regulations, for the coordination and implementation of 911 services, E-911 services, and Next Generation 911 services.

□ The State will ensure that at least 90 percent of the grant funds are used for the direct benefit of PSAPs.

□ The State has integrated telecommunications services involved in the implementation and delivery of 911 services, E-911 services, and Next Generation 911 services.

II. I further certify that the State has not diverted and will not divert any portion of designated 911 charges imposed by the State for any purpose other than the purposes for which such charges are designated or presented from the time period 180 days preceding the date of the application and continuing through the time period during which grant funds are available.

I further certify that no taxing jurisdiction in the State that will receive 911 grant funds has diverted any portion of the designated 911 charges for any purpose other than the purposes for which such charges are designated or presented from the time period 180 days preceding the date of the application.

I further certify that the State will ensure that each taxing jurisdiction in the State that receives 911 grant funds does not divert any portion of designated 911 charges imposed by the taxing jurisdiction for any purpose other than the purposes for which such charges are designated during the time period which grant funds are available.

I agree that, as a condition of receipt of the grant, the State will return all grant funds if the State obligates or expends, at any time for the full duration of this grant, designated 911 charges for any purpose other than the purposes for which such charges are designated or presented, eliminates such charges, or redesignates such charges for purposes other than the implementation or operation of 911 services, E-911 services, or Next Generation 911 services, and that if a taxing jurisdiction in the State that receives 911 grant funds diverts any portion of designated 911 charges imposed by the taxing jurisdiction for any purpose other than the purposes for which such charges are designated during the time period which grant funds are available, the State will ensure that 911 grant funds distributed to that taxing jurisdiction are returned.

III. I further certify that the State will comply with all applicable laws and regulations and financial and programmatic requirements for Federal grants.

_____

Signature of State 911 Coordinator
(or representative of single governmental body)

_____

Title

_____

Date

Appendix B To Part 400 –

Initial Certification For 911 Grant Applicants – Tribal Organizations

(To be submitted as part of the initial application)

I. On behalf of [*Tribal Organization*], I, [*print name*], hereby certify that:

(check **all** boxes below)

□ The Tribal Organization has coordinated the application with PSAPs within its jurisdiction.

□ The Tribal Organization has established a 911 Plan, consistent with the implementing regulations, for the coordination and implementation of 911 services, E-911 services, and Next Generation 911 services.

□ The Tribal Organization will ensure that at least 90 percent of the grant funds are used for the direct benefit of PSAPs.

□ The Tribal Organization has integrated telecommunications services involved in the implementation and delivery of 911 services, E-911 services, and Next Generation 911 services.

II. I further certify that the taxing jurisdiction (or jurisdictions) within which the Tribal Organization is located has not diverted and will not divert any portion of designated 911 charges imposed by the taxing jurisdiction (or jurisdictions) within which the Tribal Organization is located for any purpose other than the purposes for which such charges are designated or presented from the time period 180 days preceding the date of the application and continuing through the time period during which grant funds are available.

III. I agree that, as a condition of receipt of the grant, the Tribal Organization will return all grant funds if the taxing jurisdiction (or jurisdictions) within which the Tribal Organization is located obligates or expends, at any time for the full duration of this grant, designated 911 charges for any purpose other than the purposes for which such charges are designated or presented, eliminates such charges, or redesignates such charges for purposes other than the implementation or operation of 911 services, E-911 services, or Next Generation 911 services.

IV. I further certify that the Tribal Organization will comply with all applicable laws and regulations and financial and programmatic requirements for Federal grants.

V. The single State officer or government body serving as the 911 Coordinator of implementation of 911 services in each State in which the Tribal Organization is located is _____.

_____
Signature of Responsible Official

_____
Title

_____
Date

Appendix C To Part 400 –

Annual Certification For 911 Grant Recipients – States

(To be submitted annually after grant award while grant funds are available)

On behalf of [*State/Territory*], I, [*print name*], hereby certify that the State has not diverted any portion of designated 911 charges imposed by the State for any purpose other than the purposes for which such charges are designated or presented from the time period 180 days preceding the date of the application and continuing throughout the time period during which grant funds are available.

I further certify that no taxing jurisdiction in the State that will receive 911 grant funds has diverted any portion of the designated 911 charges for any purpose other than the purposes for which such charges are designated or presented from the time period 180 days preceding the date of the application.

I further certify that the State will ensure that each taxing jurisdiction in the State that receives 911 grant funds does not divert any portion of designated 911 charges imposed by the taxing jurisdiction for any purpose other than the purposes for which such charges are designated during the time period which grant funds are available.

I agree that, as a condition of receipt of the grant, the State will return all grant funds if the State obligates or expends, at any time for the full duration of this grant, designated 911 charges for any purpose other than the purposes for which such charges are designated or presented, eliminates such charges, or redesignates such charges for purposes other than the implementation or operation of 911 services, E-911 services, or Next Generation 911 services, and that if a taxing jurisdiction in the State that receives 911 grant funds diverts any portion of designated 911 charges imposed by the taxing jurisdiction for any purpose other than the purposes for which such charges are designated during the time period which grant funds are available, the State will ensure that 911 grant funds distributed to that taxing jurisdiction are returned.

_____

Signature of State 911 Coordinator
(or representative of single governmental body)

_____

Title

_____

Date

Appendix D To Part 400 –

Annual Certification For 911 Grant Recipients – Tribal Organizations

(To be submitted annually after grant award while grant funds are available)

On behalf of [*Tribal Organization*], I, [*print name*], hereby certify that the taxing jurisdiction (or jurisdictions) within which the Tribal Organization is located has not diverted and will not divert any portion of designated 911 charges imposed by the taxing jurisdiction (or jurisdictions) within which the Tribal Organization is located for any purpose other than the purposes for which such charges are designated or presented from the time period 180 days preceding the date of the application and continuing through the time period during which grant funds are available.

I further certify that the Tribal Organization will ensure that the taxing jurisdiction (or jurisdictions) within which the Tribal Organization is located that receives 911 grant funds does not divert any portion of designated 911 charges imposed by the taxing jurisdiction (or jurisdictions) for any purpose other than the purposes for which such charges are designated during the time period which grant funds are available.

I agree that, as a condition of receipt of the grant, the Tribal Organization will return all grant funds if the taxing jurisdiction (or jurisdictions) within which the Tribal Organization is located obligates or expends, at any time for the full duration of this grant, designated 911 charges for any purpose other than the purposes for which such charges are designated or presented, eliminates such charges, or redesignates such charges for purposes other than the implementation or operation of 911 services, E-911 services, or Next Generation 911 services.

_____

Signature of Responsible Official

_____

Title

_____

Date

[FR Doc. 2018–16567 Filed 8–2–18; 8:45 am]

BILLING CODE 3510–60–P

DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

50 CFR Part 660

[Docket No. 170831849–8404–01]

RIN 0648–XG337

Fisheries Off West Coast States; Modifications of the West Coast Commercial Salmon Fisheries; Inseason Actions #2 through #11

AGENCY: National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA), Commerce.

ACTION: Modification of fishing seasons.

SUMMARY: NMFS announces ten inseason actions in the ocean salmon fisheries. These inseason actions modified the commercial salmon fisheries in the area from the U.S./Canada border to the U.S./Mexico border.

DATES: The effective dates for the inseason actions are set out in this document under the heading Inseason Actions.

FOR FURTHER INFORMATION CONTACT: Peggy Mundy at 206–526–4323.

SUPPLEMENTARY INFORMATION:

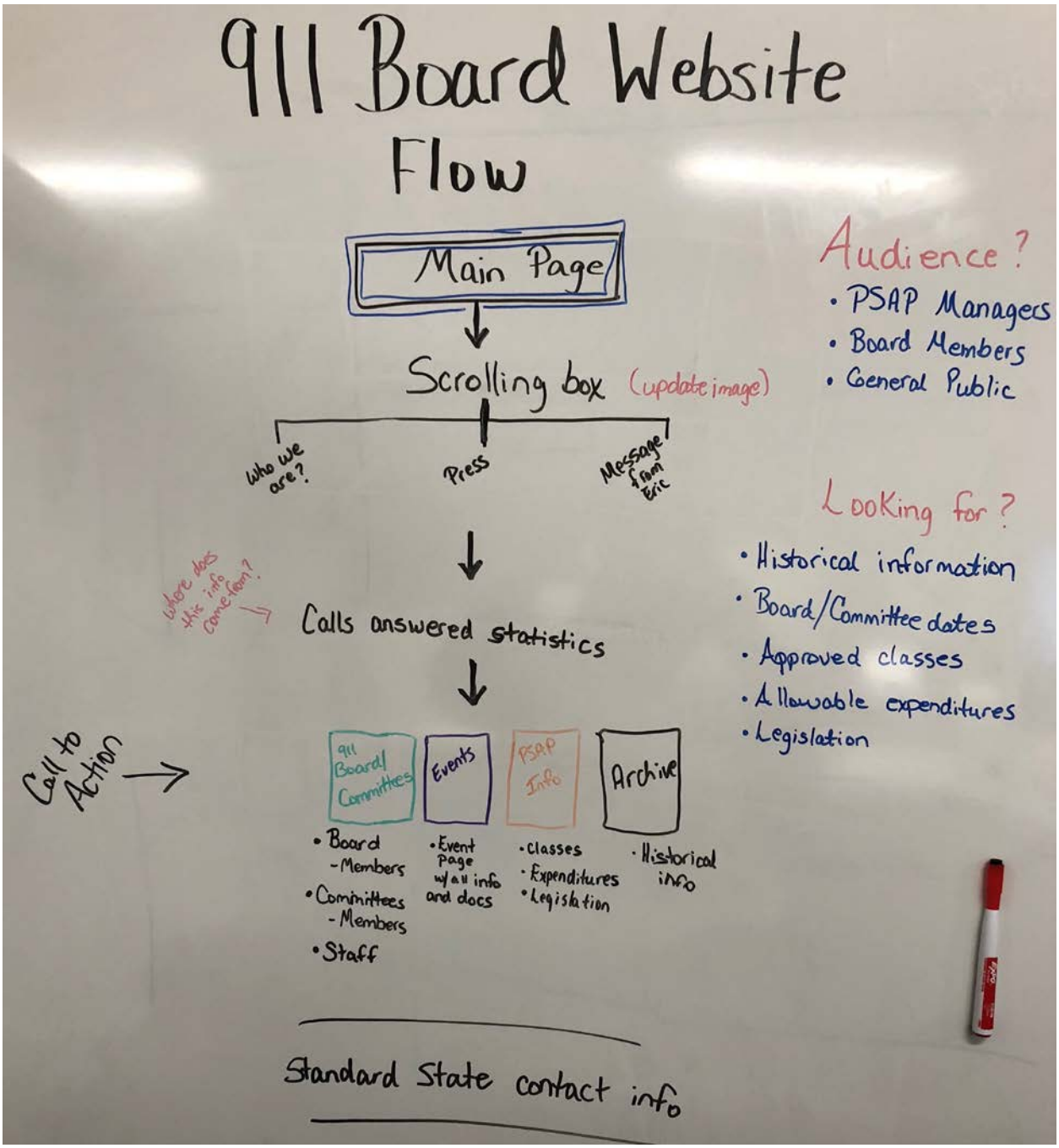
5 c)

Staffing Update

5 d)

Website Update

LaDonna Bethea


911 Board Website Flow
Main Page
Scrolling box (update image)
Who we are?
Press
Message from Eric
Where does this info come from?
Calls answered statistics
Call to Action
911 Board/ Committees
Events
PSAP Info
Archive
• Board - Members
• Committees - Members
• Staff
• Event Page w/ all info and docs
• Classes
• Expenditures
• Legislation
• Historical info
Standard State contact info
Audience?
• PSAP Managers
• Board Members
• General Public
Looking for?
• Historical information
• Board/Committee dates
• Approved classes
• Allowable expenditures
• Legislation

5 *e*)
Video Conferencing Update
Ronnie Cashwell

5 *f*)
Committee Preparation Process

5 *g)*
Durham 911 ESInet and HCH November 2018 Migration

5 *h)*
DIT Cybersecurity Month Acknowledgement/Internal Meetings

5 i)

Robeson County Grant Extension

(Vote Required)

ROBESON COUNTY EMERGENCY MANAGEMENT

September 5, 2018

Pokey Harris
Executive Director
NC 911 Board

2018 NC 911 Grant for Robeson County Extension Request

Robeson County is requesting a 90 days extension on the PSAP Grant due to unforeseen circumstances that pushed the process of purchasing equipment any earlier. I have the bullet points below explaining them.

- **Attempt to get County Attorney Approval with the quotes due to cost of the system…. Being more than $90,000--- would have been a formal bidding process.**
- **County Attorney passes away due to an vehicle accident**
- **Radio Company that we were going with (*had quotes from*) decided to close business**
- **Get new Quotes from another radio company**
- **Previous Radio Company reopens under new company**
- **County hires Contract County Attorney**
- **Work with Contract County Attorney on getting approval to purchase**
- **Purchase Order was done at the end of August 2018 and forward to vendor**

We hope that this is approved for Robeson County to continue to receive funding.
If you have any questions give us a call.

Thanks Again,

Mattie L. Caulder
Assistant Director EM

STEPHANIE V. CHAVIS
DIRECTOR

MATTIE L. CAULDER
ASSISTANT DIRECTOR

JUSTIN HUNT
INSPECTOR

38 LEGEND DRIVE LUMBERTON, NC 28358
(910) 671-3150/3152

5 j)

Recap of PSAP Managers Meeting held October 10 – 11

5 k)

Hurricane Florence
ESF2 PSAP Coordination

Hurricane Florence ESF2 PSAP Coordination
September 12 – 23, 2018, and Ongoing

PSAP Reroutes That Occurred During Event

Beaufort County → Randolph County
Brunswick County → Haywood County
Columbus County → Bladen County
Columbus County → Brunswick County
Columbus County → Fayetteville PD
Columbus County → Surry County (Multiple Days)
Lumberton PD → Robeson County
Moore County → Hoke County
New Hanover County → Brunswick County
New Hanover County → Raleigh Wake Back Up (New Hanover Sent Personnel to RW)
Onslow County → Johnston County
Pamlico County → Beaufort County
Robeson County → Lumberton PD
Robeson County and Lumberton PD → Richmond County

PSAP Reroute Pre-Planning Established Early During Event

Beaufort County → Randolph County
Carteret County → Iredell County
Fayetteville PD → Durham County
New Hanover County → Raleigh Wake Backup Center
Washington County → Stokes County

PSAP Backup Plans Implemented (Others to be Confirmed)

Bladen County Used Primary and Backup`
Duplin County Staff on Standby at Backup Location
Greene County
Jones/Lenoir Staff on Standby at Backup Location
Lumberton County
Nash County
Pender County Staff on Standby at Backup Location
Robeson County

TERT National Assistance (911 Board Staff Coordination)

Beaufort County:
Tennessee TERT (Team 2)
Cumberland County:
Florida TERT
Brunswick County:
Tennessee TERT (Team 1)
Sampson County:
Georgia TERT

Telecommunicator In-State Assistance (911 Board Staff Coordination)

Carteret County:
Chatham County
Granville County
Johnston County
Richmond County

Telecommunicator In-State Assistance Coordination with NC Sheriff's Association

911 Board staff coordinated with the Sheriff's Association to also fill requests for in-state assistance. Sheriff's Association has complete list of assistance provided.

911 Board Staff Assistance – EOC ESF2 Staffing and Ancillary Efforts

Approximately 430 staff hours to date (to be confirmed/finalized)



(A later snapshot in time.)



(An early snapshot in time.)

*All information assumed accurate at the time of this report. Revisions and additions will be made as all incident information is reviewed and validated.

5 i)

Legislative Matters

Richard Bradford

Tab 6

Funding Committee Report

David Bone

6 a)

Secondary PSAP ESInet Connectivity

(Vote Required)

6 b)

Statesville PD Secondary PSAP Approval

(Vote Required)

6c)

Continuation of Statewide Projects Funding

(Vote Required)

Approved By 911 Board as funded Secondary's

PSAP Name	PSAP Type	County	911 Funded		Positions Primary PSAP	Positions Backup PSAP	Call Handling Vendor	Hosted Call Handling MRC	Hosted Call Handling NRC	ESInet MRC	ESInet NRC	Total Cost MRC	Total Cost NRC
Brevard PD	Secondary	Transylvania	YES		2		Airbus	$2,045.89	$22,890.36	$2,938.92	$0.00	**$4,984.81**	**$22,890.36**
Burlington PD NC	Remote Secondary	Alamance	YES		6		Airbus	$4,291.17	$68,671.08	$2,938.92	$0.00	**$7,230.09**	**$68,671.08**
Charlotte FD NC	Remote Secondary	Mecklenburg	YES	***Not Applicable***									
Elkin PD	Secondary	Surry	YES		1		Airbus	$1,484.57	$11,445.18	$2,938.92	$0.00	**$4,423.49**	**$11,445.18**
Hendersonville PD	Secondary	Henderson	YES		2		West	$2,451.01	$9,814.60	$2,938.92	$0.00	**$5,389.93**	**$9,814.60**
Hickory PD NC	Secondary	Catawba	YES		5		Airbus	$3,729.85	$57,225.90	$2,938.92	$0.00	**$6,668.77**	**$57,225.90**
Kernersville PD NC	Secondary	Forsyth	YES		4		Airbus	$3,168.53	$45,780.72	$2,938.92	$0.00	**$6,107.45**	**$45,780.72**
Statesville PD	Secondary	Iredell	NO		2		Airbus	$2,245.28	$45,780.72	$2,938.92	$0.00	**$5,184.20**	**$45,780.72**
Mecklenburg EMS NC	Remote Secondary	Mecklenburg	YES	***Not Applicable***									
Mooresville PD NC	Secondary	Iredell	YES		3		Airbus	$2,607.21	$34,335.54	$2,938.92	$0.00	**$5,546.13**	**$34,335.54**
Mt. Airy PD	Secondary	Surry	YES		1		Airbus	$1,484.57	$11,445.18	$2,938.92	$0.00	**$4,423.49**	**$11,445.18**
Newton PD	Secondary	Catawba	YES		2		Airbus	$2,045.89	$22,890.36	$2,938.92	$0.00	**$4,984.81**	**$22,890.36**
												$54,943.14	**$330,279.64**

1. Single 10Mb Local Access
2. Assumed Ethernet is available; Potential Special Construction costs may be required to obtain single access
3. Require physical address of PSAPs
4. Position counts have been verified with PSAPs
4. Charlotte FD and Mecklenburg EMS - not applicable for ESInet and/or Hosted Call Handling
5. Verification of call handling vendor required
6. Optional call handling software or peripherals not included
7. Other applicable costs have not been included which maybe incurred by PSAP Agency
8. Taxes and fees not included

Transfer to Grant Fund Approved September 27, 2018	$21,045,136
Grant Fund Balance:	$4,573,901
Total Available Grant funds:	**$25,619,037**

Continuation of Statewide Projects: Vote Required	
CRM Statewide One-time Development Cost	$250,000
ECaTs July 1, 2018-December 31, 2018	$632,240
ECaTs January 1, 2019-December 31, 2019	$1,403,480
Interpretive Services	$230,000
Total Request:	**$2,515,720**
Remaining Grant Fund Balance:	**$23,103,317**

Tab 7

Grant Committee Report

Slayton Stewart

7 a)

Recommendation of Grant Awards

(Vote Required)

NORTH CAROLINA 911 BOARD GRANT APPLICATIONS

PSAP Name	Requested Amount
Alamance County Central Communications	$46,000
Greene County Communications Center	$2,027,594
Halifax County Central Communications	$8,500,000
North Carolina State Highway Patrol	$383,616.00
Orange County Emergency Communications	$2,765,065
Pender County 911	$361,760
Rutherford County 911	$2,386,296.00
Wayne County Central 911	$3,061,386.44
Wilson County Emergency Communications	$203,078.33

NORTH CAROLINA 911 BOARD GRANT APPLICATION

GENERAL INFORMATION

Project Title: Alamance County and Burlington Communications Center Co-Location Project

Grant Fiscal Year – 2019

Project Director: Dexter Brower, Communications Director

Project Contact: Michelle Mills

Project Contact Title: Public Information and Strategic Analyst

Address: 124 West Elm Street, Graham, NC 27253

Phone: 336-380-9976

Email: mmills@alamance-nc.com

Grant Type: Regional Initiative Enhancement/Replacement

PSAP Name: Alamance County Central Communications

1. Has the Revenue/Expenditure Report for FY17 been completed and approved by the NC 911 Board Fiscal staff for the applicant PSAP?

No

2. Has the applicant PSAP implemented a plan and secured the means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP (backup plan)?

Yes

3. If the answer to #2 above is NO, please explain in detail why the plan has not been implemented?

N/A

4. Has the North Carolina 911 Board been notified that backup plan has not been implemented?

N/A

PROJECT DESCRIPTION

5. Please outline project goals and objectives

Currently the Alamance County 911 Communications Center is housed in the basement of the County Government and Civil Courts Building. During the last few years, there has been a growing need to relocate the department due to a variety of factors. Factors influencing the need for a new space include 1) Increased call and service volume, 2) Susceptibility of current space, and 3) Desire to continually improve efficiencies within the department.

First, there has been a significant increase in services as the county has grown. In the past few years, the Alamance County population has grown from 158,886 in 2013 to 162,391 in 2017. Since 2013, Alamance County has experienced an 11% increase in 911 calls and a 52% increase in CAD entries. As a result of the immense increase in call volume during this time, Alamance County increased the number of telecommunicator positions in the last four years. However, the space was not intended to accommodate the rate of growth the County is experiencing. As the county grows, it is paramount that the emergency needs of residents are met; this requires the department to have ample space to adequately house the needed staff and equipment so that 911 operators can successfully fulfill their responsibilities. Additionally, preparing for the future growth anticipated in Alamance County and the future technologies potentially

employed by the Communications Center will require adequate facilities for this core government service.

Secondly, the existing location of the Communications Center itself presents a challenge. Currently, the Communications Center is housed in the Civil Courts basement. The building is susceptible to facility vulnerability, security breaches, and threats due to the risk of disgruntled persons entering the building. If evacuation is required due to a Civil Courts issue, 911 operators would be forced to relocate to a secondary command center which would disrupt the services provided by the Communications Center.

Moreover, the most important factor contributing to the need for a new 911 center site connects to effectiveness and efficiency. Currently, two PSAPs (Public Safety Answering Point) exist in Alamance County. The primary PSAP located in Graham, NC answers all emergency calls in Alamance County. In the event a citizen needs police and/or the fire department in the City of Burlington the primary PSAP transfers callers to the secondary PSAP. The primary PSAP also processes all non-emergency and emergency calls, excluding the City of Burlington, unless it is a medical call in which the primary PSAP will process.

A new location housing both Burlington and Alamance County Communications Centers as well as Emergency Services could allow for greater impact of services for the county and address the current growth needs of both centers. The goal is to reduce overall costs and improve efficiency through the sharing of resources and equipment along with increased training and support to 911 operators. It is with these in mind that Alamance County and the Burlington Police Department feel it is time to explore the opportunity for a more collaborative relationship through a unified emergency communications center.

While leadership both at the County and City level understand the need for a co-located facility, the Alamance community of smaller municipalities and fire departments need to share their voice and input into this process. In order for a smooth and respectful transition, a third party facilitator is needed to conduct a study that incorporates community feedback along with their expertise in current and future trends and needs for 911 Centers. In addition, a facility study would be conducted that used the background and recommendations from the facilitation process as a foundation for a space-needs assessment. The vision is to hire a consulting firm (ex. Envirosafe - Appendix 2) to conduct the facilitated discussions and analysis of co-location as well as a company (ex. Stewart Cooper Newell Architects - Appendix 2) to produce the feasibility space study to help guide implementation.

The overall goal is to further improve emergency services to Alamance County residents by moving to a new facility that meets the needs of current growth along with the added benefits of combining services with the Burlington Police Department's Dispatch/ Communications Center along with exploration of other emergency services departments.

The project will produce the following goals:

1. Gain community feedback in order to involve stakeholders into the implementation of a unified emergency communications facility
2. Provide a space needs assessment and massing diagrams that meet operational and functional needs for the Alamance County Emergency Services/911 Center and the Burlington Police Department's Dispatch/ Communications Centers

As a result this project will produce the following:

1. Facility plan to address the center's needs due to increased growth and services
2. Opportunity for consistency and standardization in training and operations for both emergency services and 911 employees
3. Recommendations that address both current needs and future trends in terms of operations and space needs
4. Plan for increased savings by sharing resources
5. Opportunity to create an enhanced unified center that meet or exceed current industry standards

6. Please provide an implementation strategy and work plan, including a timeline.

This project will not affect current levels of services for either Burlington or Alamance County Communications Centers. The strategy includes using the facilitation and analysis services similar to those proposed by Envirosafe Consulting in order to lead the discussions with key stakeholders. Once the community's feedback has been collected and analyzed, consultants will provide recommendations that pave the way for a smooth transition that addresses the issues of co-location as well as the current and future needs of a 911 Center and the Emergency Services Department. The plan would then proceed to a facility study firm similar to Stewart Cooper Newell Architects who will conduct and complete a feasibility facility plan that addresses the community feedback. This plan will also provide recommended sites for a new 911 Center that will house both Burlington and Alamance County Communications and possibly other emergency services departments.

The anticipated timeline is as follows:

> **August – October 2018**: Proposed consulting firm will conduct focus groups with 911 stakeholders throughout the county to discuss the opportunity for co-location. These include meetings with all municipalities, fire departments, Alamance Rescue, and other community leaders and stakeholders.

October – November 2018: Consulting firm will analyze data and compile a report that includes a recommended implementation plan for co-location that addresses community concerns and future trends that will affect 911 centers.

December 2018: A report will be presented to the project management team and to the public.

January 2019: Proposed facility firm will conduct focus group meetings with current 911 operators/EM employees to understand the department's space needs and begin researching viable locations.

February 2019: Facility firm will analyze focus group meetings and interviews along with the facilitation study in order to create a written summary and analysis for a new site location and facility that will house Alamance and Burlington Communication services and possibly Emergency Management.

March – April 2019: Facility firm will prepare planning massing diagrams showing design options that meet the current and long-term space and functional needs of the 911 Communications Center.

7. Please identify the interface or compatibility between existing equipment and/or software and that which you intend to purchase.

There will be no equipment and/or software purchased to conduct facilitation meetings or the space needs facility plan.

STATEMENT OF NEED

8. The NC Department of Commerce annually ranks the state's 100 counties based on economic well-being and assigns each a Tier designation. The 40 most distressed counties are designated as Tier 1, the next 40 as Tier 2 and the 20 least distressed as Tier 3. Please indicate your PSAP or group of PSAPs tier ranking based on the NC Department of Commerce 2018 Tier Designation.

The North Carolina Department of Commerce ranks each county based on the following criteria:

1. Average unemployment rate
2. Median household income
3. Percentage growth in population

4. Adjusted property tax base per capita

As of 2016, Alamance County's annual growth rate is .7% with the estimated median household income at $54,263. With an unemployment rate of 4% and a property tax rate of $0.58 per $100 value, Alamance County is designated as a Tier 2 county.

9. Please identify funding priorities, their impact on operational services, and consequences of not receiving funding.

This project includes facilitation and recommendations by a third party in order to establish trust by listening to any concerns that arise from moving to a unified emergency communications' center. In addition, a facility plan will be created to address the physical needs that result in housing both Burlington and Alamance Communication/EM Centers. Unfortunately, the current county revenue streams do not allow for this project, and no additional funds are available to begin the process of co-location. Both facilitated discussions and a facility plan are the priority for the first step in a unified emergency communications center.

Alamance County Government strongly believes that key stakeholders and community members need to be a part of the process in co-locating 911 services. The proposed consulting firm will conduct focus groups with outside agencies (rescue, fire department, municipalities, 911 operators, etc.) and other stakeholders to open this discussion. This is an important part of the project because community buy-in and support is an essential piece for the success of a shared location.

The goal is to incorporate and alleviate the concerns of the smaller municipalities and fire departments so that they feel valued and assured that their needs will continue to be met within the shared Alamance/Burlington Communications facility. Carefully communicating the vision of what co-location could be and listening to concerns or answering questions involve both government staff and a third party facilitator in order for the discussions to be effective and meaningful.

In addition, the current facility is unable to accommodate upward trending department growth. Furthermore, it will not house the additional Burlington PD Communications Center due to space constraints in the basement of the County Offices/Civil Courts Building. Not only is this space limited, the current location compromises the security of the Communications Center. This is largely due to the building's susceptibility to security breaches and threats due to its proximity and connection to the Civil Courts Building. During security emergencies that require evacuation, the Communications Center is required to relocate its personnel to a secondary command center. The relocation disrupts the services provided by the Communications Center and as a result, decreases the efficiency and effectiveness of the Center to process emergency and non-emergency calls for service.

If unable to secure funding, Alamance County would not be able to begin the process of co-location or implement the proposed facility plan. This would limit the effectiveness within the county and halt future co-location opportunities that would greatly enhance our services to residents.

10. Please provide a copy of your PSAP's long-term or strategic technology plan and identify how the project fits with it.

While the Alamance County 911 Center does not currently have a strategic technology plan, this project coincides with the county's broader strategic plan by addressing the Smart Growth and Public Health and Safety Pillars. Both of these have been identified by the public as two of the five community priorities during the recent strategic planning process. In order to plan for growth, it is essential to engage with residents, municipalities, and other key stakeholders to understand their diverse perspectives and needs. The facilitative discussions and recommendation report will address community engagement in reaction to residents' needs as well as anticipate future growth.

In addition, Alamance County is committed to collaborating with partner agencies in order to effectively respond to residents' health and safety needs. Implementation of a facility plan in order to accommodate a unified communications/emergency management center is a critical piece in the continued impact and success of both of the 911 centers.

11. Please identify the likelihood of completing the project without grant funding, the availability of other funding sources for the project, including 911 fund balance, the percentage of grant funding being requested in relation to total project costs.

Due to increased County operational costs and the growing school system's needs, there is no additional revenue to proactively work to address this issue. 911 funds are needed to complete this project since no other funding sources have been identified.

Alamance County's fund balance is $1,257,342.03 as of June 30, 2016. These funds would more than cover the cost of this project if 911 grant funds were not awarded.

REGIONAL INITIATIVE ENHANCEMENT/REPLACEMENT

12. What is the relationship of participating PSAPs to the initiative? Provide MOUs between PSAPs identifying each participant PSAP's responsibilities to the project.

In pursuing a co-located facility that will house both the Burlington Police Department's Dispatch/ Communications Center and the Alamance County Communications/Emergency Management Center, the strongest relationship in this project is the City of Burlington. Currently, the City of Burlington has a population close to 60,000 residents, and the Burlington

Police Department's Dispatch/ Communications Center handles over 128,000 calls and dispatches over 88,000 calls for their police and fire departments annually. The Alamance County Communications Center handles all other emergency and non-emergency calls throughout the county. This project will further the collaboration between both departments in providing a facility that will house all emergency and non-emergency calls within Alamance County.

As a partner in this project, staff from the City of Burlington and Police Department will serve on the project management team and help to guide implementation of the facility plan once it is completed. During this process, the City of Burlington and Alamance County will work closely with both the consulting and architects so that each department's operational needs will be met.

To view the letter of support for this project from Chief Smythe of the Burlington Police Department, please see Appendix 1.

13. Identify intended collaborative efforts between participating PSAPs.

Since Alamance County has two 911 centers, this project seeks to align the goals of both centers by taking a step towards co-location. This collaboration will provide a more effective, long-term solution for both centers to extend their services more efficiently by sharing a facility as well as resources. The vision is a location and facility that addresses both current and future needs of all 911 operators in Alamance County. This requires a continued long-term partnership with both entities.

14. Identify how resource sharing will take place.

Once information and community/stakeholder feedback is gathered and analyzed by the consulting firm and a facility study is presented, Burlington and Alamance County will work together to implement an operations plan that addresses how resource sharing will take place. Ultimately, the goal is to provide more effective services that address the county's growth needs as well as a plan for future changes that affect 911 services. With that in mind, both organizations will continue to work together closely during the facility plan implementation that will identify opportunities for resource sharing.

15. Indicate how the initiative impacts the operational or strategic plans of the participating agencies.

This project is a result of the combined vision and strategic direction of both the administration of Alamance County and the City of Burlington. The Alamance County Strategic Plan includes five pillars, two of which directly reflect this project. The Public Health and Safety Pillar is a commitment to providing services, resources and programs that contribute to a safe and

healthy community. More specifically, county departments strive to be proactive in anticipating future needs and issues while being responsive to current trends and individual resident needs that arise.

The goal is to create a safe community where law enforcement and emergency responders provide a high level of service and protection to our residents. In order to accomplish this, we understand the value in collaborating with our partner agencies and incorporating best practices in order to effectively respond to public health and safety emergencies.

Alamance County is also committed to government accountability and resource management that incorporates efficiency and effectiveness for improvement of services. One of the goals is to analyze current facility needs to ensure that space and services meet both residents' and employees' needs. This co-location step is an essential part of the vision of collaboration and effective resource management in providing quality emergency services to our community.

In addition to the connection of this project with Alamance County's Strategic Plan, a unified emergency communications center would also coincide with the Burlington Police Departments 2015-2018 Strategic Plan. One of their priorities is "determining space use and facility options" as well as "managing growth" in order to "attempt to project department growth and identify facility needs." A co-located facility would not only help to address their growing needs, but also provide opportunities to maximize efficiency and effectiveness through shared resources and equipment.

Both Alamance County and the Burlington Police Department's vision is to work together in providing residents quality emergency communication services, and the first step in that vision is a unified emergency communications facility.

CONSOLIDATION PROJECT GOVERNANCE PLAN

This study is required for all consolidation projects. Consolidation projects involve combining two or more PSAPs into a single primary PSAP with an integrated management structure that serves the same populations and jurisdictions previously served by such independent PSAPs. In addition to providing this governance plan, the localities that govern the PSAPs involved in the consolidation must provide interlocal agreements in support of consolidation, copies of which must be attached to the application submission

A shared facility will increase an operational relationship with the Burlington Police Department's Dispatch/ Communications Center impacting opportunities for resource sharing and an increased level of 911 services. At this time, the current application does not address a comprehensive plan to consolidate services.

FINANCIAL DATA

23. Current 911 Fund Balance

$1,257,342.03 as of June 30, 2016

24. Estimated June 30, 2017 911 Fund Balance

$1,016,611.61 estimated, contingent upon acceptance of FY17 PSAP report.

25. Amount Requested

$46,000

26. Total Project Cost

$46,000

BUDGET AND BUDGET NARRATIVE
A budget and budget narrative must be supplied for all types of projects, as well as a copy of the applicant agency's approved FY 2016 PSAP budget.

27. List by line item planned expenditures

Proposed Consulting Firm (example: Envirosafe - Appendix 2): $23,000
Proposed Architects (example: Stewart Cooper Newell Architecture - Appendix 3): $26,750
Total Project Cost: $49,750

28. Provide a budget narrative that briefly explains the reason for each requested budget item

The requested funds to contract a local consulting firm as a third party facilitator is an essential piece of the success of this project. Both the Alamance County and the Burlington Police Department's Dispatch/ Communications Center operate independently. Because of anticipated concerns and questions from partner police and fire departments about a change towards co-location, facilitated discussions are needed to reflect their feedback in order to make this transition as respectful and smooth as possible. The firm will facilitate discussions with key stakeholders and users of current 911 systems to effectively determine the process for a unified communications facility. They would also provide an analysis that reflects current and future operational 911 needs. This information is critical in moving forward with the facility plan.

The architectural firm will provide the professional help by incorporating the consulting firm's recommendations into a comprehensive facility plan. They will conduct a space needs analysis that identifies sites for a new unified communications facility. This facility plan will also include planning massing diagrams with design options and preliminary cost projections that will meet current and future 911 co-location needs.

29. If the project will have ongoing expenses, such as monthly or annual recurring charges, identify those expenses by line item including the projected costs and the specific sources for future-long-term funding and demonstrate how the project will be sustained in the future without additional 911 Grant Program funding.

This project will not have ongoing or annual recurring charges. All project expenses will be in accordance within the contracted terms with the consulting firm and facility/architectural firm.

30. Explain how your evaluation will measure the achievement of the goals and objectives identified in the Project Description with a timeline and milestones for meeting short, intermediate, and long-term goals.

Evaluation of this project will follow the overall Project Timeline. Specifically, the project team manager will ensure that each step is completed in a timely manner. In the event of unforeseen issues or delays, the project manager will adjust the timeline to reflect these changes. The goal is to have the final facility plan completed by April of 2019.

Short-term goal is as follows:
1. Delivery of facilitation discussions, recommendations, and current and future needs that contribute to a feasibility and facility plan.

Intermediate Goal is as follows:
Feasibility and Facility plan for a unified 911 Communications Center will be included in the Alamance County Government Facilities Plan. This plan may also include space for the Emergency Management Department.

Long-term Goal is as follows:
The Alamance County Communications Center and the Burlington Police Department's Dispatch/ Communications Center will be housed in a new, unified communications facility that will expand services and increase efficiency for both 911 Centers and Alamance County Emergency Management.

The timeline below reflects each stage of this project:

> **August – October 2018**: Proposed consulting firm will conduct focus groups with 911 stakeholders throughout the county to discuss the opportunity for co-location. These

include meetings with all municipalities, fire departments, Alamance Rescue, and other community leaders and stakeholders.

October – November 2018: Consulting firm will analyze data and compile a report that includes a recommended implementation plan for co-location that addresses community concerns and future trends that will affect 911 centers.

December 2018: A report will be presented to the project management team and to the public.

January 2019: Proposed facility firm will conduct focus group meetings with current 911 operators and emergency management employees to understand the department's space needs and begin researching viable locations.

February 2019: Facility firm will analyze focus group meetings and interviews along with the facilitation study in order to create a written summary and analysis for a new site location and facility that will house both Alamance and Burlington Communication services.

March – April 2019: Facility firm will prepare planning massing diagrams showing design options that meet the current and long-term space and functional needs of the 911 Communications Center and possibly Alamance County Emergency Management.

31. Describe in detail how evaluations will be conducted, including performance parameters which must be met in order to meet acceptance criteria.

In order for this project to be successful, a project team will be assembled to help keep the project moving forward, communicate progress and results, and evaluate the effectiveness and success of each step. This project team may consist of the following: Alamance County Project Manager, Alamance County Manager and Communications Director, Burlington City Manager, Burlington Police Chief, a Burlington Communications representative, and other stakeholders as needed.

Evaluations will primarily be reported throughout each phase of the process by the project manager and communicated to the team and the public. This ensures that the process is accountable, managed, and shared appropriately.

The evaluation process as follows:

1. **October 2018**: Consulting firm will present their initial findings to the project team.

2. **November 2018**: Project team will review the analysis draft and provide any necessary feedback.

3. **December 2018:** County Manager will give an update to the Board of Commissioners on the facilitated discussions and plans for moving forward.

4. **February 2019**: Architectural firm will present possible site locations to the project team.

5. **April 2019**: Architectural firm will present recommended sites and planning massing diagrams to the project team.

6. **May 2019**: County Manager will provide the Board of Commissioners with a plan for a unified Alamance County and Burlington Communications Center.

32. Identify how data will be collected and presented.

The project manager will be responsible for collecting and communicating all data related to this project. All feedback will be compiled and analyzed in the consulting report and used during the facility plan study conducted by the architectural firm. Summaries of this information will also be shared with the public during this process via the Board of Commissioners meetings, the county website, and/or other public venues.

APPENDIX 1

BURLINGTON
POLICE
DEPARTMENT

J. Jeffrey Smythe
Chief of Police

MAILING ADDRESS
P.O. Box 1358
Burlington, NC
27216

STREET ADDRESS
267 W. Front St
Burlington, NC
27215

(P) 336-229-3500
www.BurlingtonNC.gov/Police

May 30, 2018

E911 Funding Committee
P.O. Box 17209
Raleigh, NC 27619

Dear E911 Funding Committee:

As the current police chief in Burlington, NC and a career police professional (32 years of service) I fully recognize the value of effective communication and collaboration. For several years officials of the Alamance County government and leaders in my organization have loosely discussed the option of co-locating our secondary PSAP with the county-wide PSAP operated by Alamance County and better known to us as C-Com. We now find ourselves in a position to take a deep dive into the options and resources available to us as Alamance County undertakes a detailed facility needs assessment. A portion of that assessment has led us to renew the conversation regarding co-location and the **available use of E911 funds makes great sense**.

On behalf of the Burlington Police Department, I would like to express **my highest level of support in exploring the opportunity for a unified emergency communications facility**. We believe that co-location would better support our operational needs as we continue to provide emergency services to our growing Burlington community. The option for a shared location would enable both communication centers to address current and future needs while increasing our efficiency and effectiveness.

We fully support Alamance County's grant application that would provide the funds necessary to obtain **Envirosafe** consulting services to facilitate discussions with key stakeholders and provide viable operational solutions for co-locating our services. Once this process is complete, we look forward to the possibility of working with professional services consultants, City of Burlington staff, and Alamance County staff in examining and studying options for site locations and facility space needs. This grant would enable us all to examine and understand the first steps towards implementing a plan for a unified communications center.

Our goal is to further improve our services in a fiscally responsible manner, respond to current growth needs, and prepare for future technological and operational changes. We believe that we can address these priorities at the highest levels by working collaboratively with Alamance County.

If you have any questions, please feel free to contact me.

Sincerely,

J. Jeffrey Smythe, Chief
Burlington Police Department

APPENDIX 2

2012 Anthony Road
Burlington, NC 27215
(336) 266-7998
ggrayson@envirosafe.com

May 25, 2018

Ms. Michelle Mills
Public Information Officer
Alamance County Government
124 West Elm Street
Graham, North Carolina 27253
VIA EMAIL: mmills@alamance-nc.com

Dear Ms. Mills,

Thank you for the opportunity for EnviroSafe to continue to be an effective and efficient solution to Alamance County Government. We are proud of the long-term professional relationship between Alamance County and EnviroSafe. We propose to assist you in efficiently facilitating and providing technical assistance with an emergency communications center re-engineering effort.

We propose to closely collaborate with Stewart+Cooper+Newell Architects in the future design and needs analysis for a co-located, unified emergency communications center facility potentially for all Alamance County local governments. We would assist Alamance County with facilitating discussions with key stakeholders and users of the system to effectively determine the most viable operational solutions for the county. We recognize that this effort would apply to county government agencies as well as the City of Burlington and other municipal jurisdictions. This methodology would need to apply to law enforcement as well as fire and rescue and separate sessions would be appropriate. Information gathered during this process would be instrumental to the architectural firm as they "program" any new facility or location in order to accurately project costs. Our work in this area would be sensitive to individual community needs and identities. To conduct this work, we would utilize public safety professionals that are well versed in working with the various levels public safety staffs.

Beyond this component, we would provide analysis for Alamance County regarding operational needs that should be considered in making a forward move. For this component, we would engage the expertise of a distinguished team of emergency communications expert leaders from throughout North Carolina that each bring a specific skill set to the table to help analyze data and current operations and make responsible, industry compliant recommendations to the county to consider moving forward. In addition, we would have strong focus on the technologies that could be used now and what technologies are ahead in the predictive future.

This work will be conducted collectively on site in Alamance County as well as independently by the subject matter experts. EnviroSafe will produce a written report that captures the observations and recommendations of this effort.

We would propose that Mr. Mr. Wesley Reid would serve as the chief consultant for this component of the work. He would be part of a core team of subject matter experts including Mr. Barry Furey, Mr. Jason Barbour and Ms. Rachel Bello. These four leaders are regarded as some of the strongest subject matter experts within the State of North Carolina in emergency communications. They each bring a wealth of knowledge and experience that will be extremely beneficial to Alamance County. I will provide project oversight for you and serve as a central point of contact throughout the process. We can provide additional background on this team as you need to make additional review.

To efficiently control costs for this initiative for Alamance County Government, EnviroSafe proposes a flat professional services hourly rate of $109 per hour for technical work, plus all direct documented expenses and mileage at the current federal rate. We would project a total budget cap of $23,000, representing more than 200 dedicated work hours plus expenses.

Alamance County Government will only be billed for hours worked and services performed. This methodology ensures that you receive the best value possible for the work and product delivered. Should you desire to expand services beyond this original scope of work, we will welcome an extension and will honor the same rates. We can further craft, customize and fine-tune the specific scope of work as you deem will best serve Alamance County.

EnviroSafe brings over 35 years of fire/rescue/public safety experience and 21 years of crisis management and risk management consulting. We are unique in our standing with public safety and public-sector management agencies, with divergent points of view on complex issues. We have a reputation for fairness and the ability to look at issues from various perspectives to best enable your success. In recent months, EnviroSafe staff recently completed analysis type projects in North Carolina for:

- Cleveland County
- City of New Bern
- City of Hendersonville
- Brunswick County
- Cumberland County

- City of Burlington
- Town of Harrisburg
- City of Greenville

We strongly encourage you to talk with any of your colleagues in these jurisdictions about our quality of work, our professional commitment to the client, and the value that they received for the investment that that they made. Since 1996, EnviroSafe has been North Carolina based and North Carolina focused, located right here in Alamance County. Furthermore, we are consistently available to you and your staff following the completion of the project, since we are local.

We stand ready to tweak this proposal as will best meet your needs and the needs of Alamance County. Once again, thank you for the opportunity to submit a proposal to perform this important work. If we can provide any further information at this point, please let me know at the contact points above.

Respectfully Submitted



Gregory H. Grayson
Vice President of Operations

APPENDIX 3

Stewart · Cooper · Newell

March 15, 2018

Mr. Dexter Brower, Communications Director
Alamance County Communications
142 West Elm Street
Graham, NC 27253

Re: Professional Services Proposal
911 Facility Feasibility Study

Dear Mr. Brower,

Thank you for allowing Stewart - Cooper - Newell Architects to propose professional services for the Alamance County Communications / 911 Facility Feasibility Study. We look forward to assisting you with understanding and meeting the current and future needs of the Department.

At your request, we are proposing the following scope of services;

- Conduct focus group meetings with Communications / 911 Dispatch Center key employees as necessary to understand the department's needs.
- Review available historic data for the Communications / 911 Dispatch Center to ascertain current and future trending.
- Create a written program of current and future needs for the Communications / 911 Dispatch Center.
- Review proposed sites to ascertain their feasibility for a new Communications facility.
- Prepare planning massing diagrams showing design options that meets the current and long-term space and functional needs of the Communications / 911 Dispatch Center.
- Provide preliminary cost projections for the design options.

The proposed fee to provide the above BASE SERVICES is $21,000 plus reimbursable expenses. Reimbursable expenses are estimated not to exceed $2,000. *Per your request, I am providing two options along with the base proposal:*

1) *If the County wishes Stewart-Cooper-Newell to engage Mission Critical Partners to provide a high level PSAP staffing study to assist the County with staffing assessments and allocations for the call center the additional cost would be $20,000.*
2) *If the County wishes Stewart-Cooper-Newell to include the entire Emergency Services Department along with the Communications / 911 Center the additional costs would be $6,750.*

architecture
needs assessment
master planning
interiors
consulting

James C. Stewart, AIA | Kenneth C. Newell, AIA | James R. Stumbo, AIA
719 East Second Avenue • Gastonia, NC 28054
P: 704.865.6311
F: 704.865.0046
1.800.671.0621 www.scn-architects.com

If this proposal is acceptable, we will be happy to incorporate it into the appropriate amendment to the AIA agreement already in place for the County's review.

We look forward to serving the County on this important project. Please let me know if you have any questions regarding this proposal or would like any additional information.

Sincerely,

James R. Stumbo, AIA, LEED-AP BD+C

North Carolina 911 Board Grant Application

The 2019 Grant Application has been created in Microsoft Word for ease of completion. It is recommended that you download this application into Microsoft Word so that you may be able to enter, cut, paste and edit as needed. This application is NOT compatible with IPad, Apple products or apps. It requires 'Active X Interaction'.

There are no character limitations to the amount of data you can enter into a free text screen; once the visible field is full the data will begin to scroll. Do not submit an application until you are sure that you will not need to change it. Do not convert the application to a PDF format. Attachments must be submitted in either MS Word, MS Excel or Adobe pdf format and reference which question (ie: number) the attachment accompanies.

After an application is completed and submitted, it may NOT be modified by the applicant. If there are questions after the submission, the applicant will be required to contact and work with 911 Board staff to accomplish those modifications.

This is a competitive grant process. After the "General Information", there are 25 questions that must be answered by all applicants plus an additional 7 questions that must be completed for those agencies seeking a consolidation grant. Each of the 32 questions are weighted differently and scored. Scoring is based on the content of the answer to the question asked. Scoring is not based on the length of the answer.

Once completed, the application along with any accompanying documents must be emailed to 911comments@its.nc.gov . Applications will only be accepted via email. Any application received from the U.S. Postal Service, fax or other media will not be accepted. The deadline for filing is midnight, Friday June 15, 2018. If you have any questions, please contact Pokey Harris at pokey.harris@nc.gov or phone at 919-754-6621.

General Information

Project Title Greene County 911 Facility Relocation

Grant Fiscal Year – 2019

Project Director Berry Anderson

Project Contact Berry Anderson

Project Contact Title Director of Emergency Services

Address 201 Martin Luther King Jr. Parkway

Snow Hill, NC 28580

Phone 252-747-2544

Email berry.anderson@greenecountync.gov

Three types of grants are available, as described below. In the box following these descriptions, please select the Grant Type which most appropriately fits your request.

- **Consolidation** - A consolidation project involves combining one or more PSAPs with a primary PSAP with an integrated management structure that serves the same populations and jurisdictions previously served by offering grant funding for both PSAP costs authorized under G.S. 143B-1406(e) and costs not authorized under G.S. 143B-1406(e) to include construction costs.
- **Individual PSAP Enhancement/Replacement** - the relocation costs of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.
- **Regional Initiative Enhancement/Replacement** - Regional initiatives are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such initiatives comprise projects involving two or more primary PSAPs or a primary PSAP with approved secondary PSAPs. Costs of relocation of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.

Grant Type Individual PSAP Enhancement/Replacement

PSAP Name Greene County Communications Center

1. ***Has the Revenue/Expenditure Report for FY17 been completed and approved by the NC 911 Board Fiscal staff for the applicant PSAP?***

NO

2. ***Has the applicant PSAP implemented a plan and secured the means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP (backup plan)?***

YES

3. ***If the answer to #2 above is NO, please explain in detail why the plan has not been implemented?***

   Click or tap here to add text

4, Has the North Carolina 911 Board been notified that backup plan has not been implemented?

[Select]

Project Description

Required for all grant types, this should be a thorough, concise, and complete description of the proposed project.

5. Please outline project goals and objectives.

Greene County 911 respectfully submits its application for an individual PSAP replacement grant to the NC 911 Board and would like to thank the Grant Committee for its time and effort in reviewing this request. The Grant Committee is invited to Greene County to see the current 911 space and tour the National Guard Armory, if desired. If questions arise during review, please do not hesitate to contact us.Attachment 1 contains three support letters: one from Representative John Bell, IV; one from Representative George Graham, Jr.; and one from Senator Don Davis. The overarching goal of this project is to improve emergency communications within Greene County by relocating the current 911 center and updating technology where needed. Greene County 911 is the only PSAP within the county, serving the Greene County Sheriff's Office and Snow Hill Police Department, six EMS agencies, and eleven fire departments and the NC Forest Service, with after-hour services provided for four County and municipal departments—all from a 911 center of 600 square feet, which includes a 48-square-foot restroom. There are no other spaces allocated for the center. In addition, the equipment "room," is insufficient and does not meet best practices or current industry standards. Recently there was a wasp infestation in the equipment room. Wasps were able to enter the building through a hole beside the penetration for a vent. (Attachment 2 contains photographs of the 911 center and equipment room.) In October 2016 during/following Hurricane Matthew, the area behind the building housing the 911 center experienced severe flooding. The transformer was partially underwater, and water reached the bottom of the generator housing. (Attachment 3 contains photographs of the flooded area.) This could have severely crippled the 911 center; thankfully it did not.The County has been deeded a 14,577-square-foot National Guard Armory building in Snow Hill on a 3.29-acre lot. (Attachment 4 contains photographs of the Armory.) The County plans to renovate the facility and use a portion of the facility for 911 center operations. It is estimated that approximately 3,100 square feet of the facility will be needed to support 911 operations within Greene County. (Attachment 5 contains a space needs programming estimate prepared by Mission Critical Partners.) While renovations at times can be more expensive than new construction, Greene County is cognizant of the recent increases in new construction costs, particularly for other grant funded projects. Greene County is trying to be a good steward of taxpayer funds and is seeking to re-use this facility. In 2017, the Golden LEAF Foundation awarded Greene County a $650,000 grant from the Disaster Recovery Grant Program. The project title is Greene County EOC and Communications Relocation. The description notes: "Greene County currently lacks a facility capable of serving as an emergency operations center (EOC) during major events. As a result, state emergency management must deploy additional resources to provide and facilitate response and recovery. The County will be taking over a recently decommissioned National Guard Armory in Snow Hill. Golden LEAF Disaster Recovery Grant Program funding will be used to make necessary renovations to this facility." Greene County estimates that $250,000 of the Golden LEAF Foundation grant will be available to support the renovations specific to support areas for 911 operations; the remaining Golden LEAF Foundation funds will be used to renovate other areas of the facility and to mitigate asbestos and lead paint, which are likely to be found within the facility. As the building is older, there are other considerations such as current building codes and structural classifications. Some preliminary outreach has already been conducted to determine the feasibility of undertaking such a renovation. An architect contacted by Mission Critical Partners noted the following:"As background, the NC Building Code requires that if you have a change of use which puts the building use into a different occupancy classification the building most be brought up to current code in certain ways specifically identified by the code. One of these areas is the structural classification. If a change of use or change of occupancy moves the building use into a higher occupancy risk category then seismic and wind requirements most be updated to current requirements. "In reviewing the existing Armory use one would

identify the existing military use as a mixed use of Business (offices, etc), Storage and Assembly (Drill Hall). Also, table 1604.5 of the Building Code, in my opinion, defines an Armory as an Occupancy Category IV "Buildings and other structures having critical national defense functions". "A 911 and EOC Center would similarly be classified as Business (offices, etc.) and Assembly (EOC and possibly other large meeting areas) and Storage. Similarly, the Occupancy Category required for a 911 would be a Category IV. "As the building occupancy and occupancy risk category do not change, even though there is a change of use, it is our opinion that the structure could remain in un modified, regardless if it meets the current building code structural requirements, if the building is changed from an Armory to a 911/EOC. "Please note that this is an initial opinion only and that our assumptions would need to be reviewed by the local building official having jurisdiction."Greene County Inspections was contacted about the opinion and noted: "If the occupancy stays the same - (business to business), the structure can be grandfathered in with no modifications. If the occupancy changes - (assembly to business), that part of the structure must be brought up to code completely."The initial thought is to renovate spaces already in existence within the facility, such as the kitchen and restrooms, and use a portion of the large open space for 911 communications. This portion of the facility will likely need to be brought completely up to code as it will be similar to constructing a building within a building due to the hardened facility requirements for a 911 center. As noted previously, the overarching goal of this project is to improve emergency communications, with the following objectives:Objective 1: Renovate a portion of the National Guard Armory to house Greene County 911 operationsObjective 2: Ensure adherence to established rules for PSAP facilities, as stated within 09 NCAC 06C.0210, Public Safety Answering Point (PSAP) Facilities, and for the use of grant funds, as stated within 09 NCAC 06C.0400Objective 3: Ensure functional areas address the safety and security of operations personnelObjective 4: Where appropriate, adhere to best practices and standards for mission-critical facilities from the Federal Emergency Management Agency (FEMA), the National Fire Protection Association (NFPA), and the National Emergency Number Association (NENA)Objective 5: Ensure all building systems perform as specified through systems testing during building commissioning As part of the overarching goal to improve emergency communications, there will be some technology upgrades and improvements, some of which will help position Greene County 911 for Next Generation 911 (NG911).Objective 1: Implement the statewide hosted call handling solutionObjective 2: Implement radio communications infrastructure necessary to dispatch emergency call informationObjective 3: Implement emergency medical dispatch protocols (EMD) from the International Academies of Emergency Dispatch (IAED)A grant award from the NC 911 Board will increase the likelihood of a successful renovation project, and ultimate transition of Greene County 911 to the former Armory building, assuring that there is adequate operational and technical space for 911 operations. Due to the formatting of the grant application, a Word version of the responses has been provided as Attachment 12.

6. Please provide an implementation strategy and work plan, including a timeline.

Renovations, while not having all the requirements of ground-up construction, can still be complex, particularly if structural changes are needed. In addition, due to the age of the Armory facility, it is possible that lead paint and asbestos may be encountered. These issues would need to be mitigated before other work could continue within the facility. Unfortunately, this will not be known until a testing service has been contracted and an architectural firm is hired. Independent testing services will identify for the County and architect what mitigation, if any, needs to occur based on the anticipated design.

For a successful project, the first step would be to qualify and hire an architectural firm, followed by an independent testing firm. This process could take 2-3 months. In coordination with the County, the architect and testing firm will walk the Armory site to identify potential space usage and issues. Following the testing firm's findings, any mitigation will occur. It is expected that the County will use a portion of the Golden LEAF grant to rectify any issues.

After the architect programs and designs the designated spaces, which could take 6-8 months, construction documents will be prepared and bid. It is anticipated that a renovation of the spaces designated for use and support of 911 operations could take 8-9 months, dependent on the complexity of the renovations. A more definitive timeframe will be narrowed down with the architect and further refined by the selected construction firm. Overall, it is likely that this project will require no more than 24-26 months to complete; however, the County would request a three-year timeframe due to the potential for unforeseen issues. Additional tasks are as follows:

1) Renovate the former National Guard Armory facility (Months 9-18)
2) Procure 911 equipment (Months 14-18)
3) Install workstations and begin some technology installations (Month 18)
4) Attain substantial completion of new facility (Month 18)
5) Commission the facility (Month 19)
6) Continue technology installations (Month 19-21)
7) Address any facility punch list issues (Month 19)
8) Obtain certificate of occupancy (Month 20)
9) Test and accept mission-critical technology (Month 22)
10) Transition any equipment or furniture (Month 22)
11) Transition Greene County 911 staff to new facility (Month 22)
12) Submit final documents to NC 911 Board (Month 24)
13) Close out the project (Month 25)

Throughout the project, required monthly reports will be submitted to the NC 911 Board.

7. Please identify the interface or compatibility between existing equipment and/or software and that which you intend to purchase.

No interface or compatibility issues are anticipated as Greene County 911 will be procuring new equipment (in most cases) to replicate/upgrade the equipment from the current location, ensuring the software is at the latest revision. This will also ensure continuity with Lenoir-Jones 911, which serves as Greene County 911's back-up where equipment has recently been installed/upgraded.

Greene County 911 is interested in implementing EMD protocols from IAED / Priority Dispatch. There will be no interface issues with the Southern Software CAD system as the vendor already supports this product.

Statement of Need

Required for all grant types, this statement should reference the relationship of the grant project to NCGS §143b-1407(b) and the current funding priorities established by the Grant Policy and Procedures and include evidence of any financial need.

8. The North Carolina Department of Commerce annually ranks the state's 100 counties based on economic well-being and assigns each a Tier designation. The 40 most distressed counties are designated as Tier 1, the next 40 as Tier 2 and the 20 least distressed as Tier 3. Please indicate your PSAP or group of PSAPs tier ranking based on the NC Department of Commerce 2018 Tier Designation

Tier 1

9. Please identify funding priorities, their impact on operational services, and consequences of not receiving funding.

The first priority is to renovate a portion of the former National Guard Armory to serve as the primary PSAP for Greene County. As noted previously, the current space allotted the 911 center is only 600 square feet and the equipment room is sorely lacking in all areas. Effective and efficient service to the citizens and first responders is of utmost importance. The photos from after Hurricane Matthew demonstrate what could have turned into a catastrophe. Having space to "spread out" and place a third workstation for when it is needed, such as during a disaster, is a priority and will only improve operational services.

The second priority is to advance 911 technologies within the County. Greene County wants to move their critical public safety operations and support equipment into a facility that will be purpose-built and provide the redundancies and efficiencies that are required by public safety responders and the citizens of this community. It goes without saying that the technology being procured is vital to 911 operations. The implementation of EMD protocols is an objective of this second priority. The use of EMD protocols has become a best practice and an expectation of the public. Having the ability to provide pre-arrival instructions, and perhaps save a life, benefits all citizens of and visitors to Greene County.

NCGS § 143B-1406(d)[1], Fund distribution to PSAPs, Use of Funds, delineates what 911 funds can be used for; construction costs are not allowable. Unfortunately, as renovation involves construction, 911 funds cannot be used. In addition, Greene County 911 has recently put equipment into Lenoir-Jones for back-up purposes, and funding is not now available to outfit the new PSAP.

Greene County is the fifteenth most economically distressed county in the state.[2] If funding is not

[1] http://www.ncleg.net/enactedlegislation/statutes/html/bychapter/chapter_143b.html

[2] https://www.nccommerce.com/Portals/0/Incentives/CountyTier/2018-Tiers-memo.pdf

received, Greene County 911 will not be able to pursue this project. The condition of the equipment room could have detrimental effects on the County's ability to receive and process incoming 911 calls. The cramped quarters of the 911 center do not provide work conditions or environmental aspects that positively effect personnel. Without a grant award, these issues cannot be rectified.

10. Please provide a copy of your PSAP's long-term or strategic technology plan and identify how the project fits within it.

Aside from the renovation and support costs, the technology encompasses the strategic plan, as initiatives will be implemented in the new facility or transitioned to same if implemented in the current facility. The intent is to procure new technology (same vendors currently in use) for the renovated facility. This will ensure that operations continue throughout the transition and cutover. Greene County 911 will continue to maintain their current equipment. If replacement is needed prior to the transition, assuming a successful grant award, equipment will be procured and then transitioned to the renovated facility. Grant or 911 funds will be used as appropriate. Greene County 911 would like to have the capability to follow the NC 911 Board's best practices for technology replacement when financial resources allow. Attachment 6 contains the strategic plan.

11. Please identify the likelihood of completing the project utilizing your 911 fund balance and the percentage of grant funding being requested in relation to total project costs.

It is extremely unlikely that this initiative will be completed without grant funding from the NC 911 Board; even with the Golden LEAF grant, Greene County cannot fund this project under current economic realities. Given the limited funds available at the County level, and the budgetary challenges that exist within economically distressed counties, it is unlikely that alternative funding sources could be accessed that would be any more appropriate. Greene County does not have the tax base to invest in a new 911 facility. Approximately 23.7 percent of people within Greene County live in poverty, compared to 15.4 percent within the state.

Greene County's estimated fund balance is $140,543.40. The estimated fund balance as of June 30, 2017, is $198,698.12. Greene County received notice that funding will be $208,133.26 in 2019. Attachment 7 contains an email indicating the estimated fund balance. Attachment 8 contains the County's 911 distribution information.

911 funds must be expended on eligible costs. As Greene County can retain 20 percent of the received funds, the remaining funding is insufficient to meet the goals and objectives identified for this project. Where feasible, 911 funding will be used towards eligible expenses within the project.

Total project costs are estimated at $2,385,475.40. It is estimated that $250,000 from the Golden LEAF grant will be used to renovate support spaces that will be used by 911 staff. This leaves $2,135,475.40 to be funded. Greene County respectfully requests $2,027,594 for this project, approximately 85 percent of the total project cost.

Regional Initiative Enhancement/Replacement

Required for all Regional Initiative Enhancement/Replacement project types. Regional initiative enhancement/replacement projects are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such projects may involve two or more primary PSAPs.

12. What is the relationship of participating PSAPs to the initiative? Provide MOUs between PSAPs identifying each participant PSAP's responsibilities to the project.

Click or tap here to enter text.

13. Identify intended collaborative efforts between participating PSAPs.

Click or tap here to enter text.

14. Identify how resource sharing will take place.

Click or tap here to enter text.

15. Indicate how the initiative impacts the operational or strategic plans of the participating agencies.

Click or tap here to enter text.

NOTE: *The following section on "Consolidation Project Plan" is ONLY required if your type of grant is a "Consolidation". If your project IS NOT a Consolidation, proceed to question # 23 to complete the grant application.*

16. Indicate how a consolidation would take place and improve service
Click or tap here to enter text.

17. Indicate how the consolidated PSAP should be organized and staffed
Click or tap here to enter text.

18. Indicate what services the consolidated PSAP should perform
Click or tap here to enter text.

19. Indicate how consolidated PSAP policies should be made and changed
Click or tap here to enter text.

20. Indicate how the consolidated PSAP should be funded exclusive of grant funding
Click or tap here to enter text.

21. Indicate what changes or improvements should be made to inter-communications among the local governments participating in the consolidation in order to better support operations.
Click or tap here to enter text.

22. Discuss sustainability of the consolidation project during the proposed term of the project, and for the foreseeable future.
Click or tap here to enter text.

FINANCIAL DATA

23. Current 911 Fund Balance

Greene County's estimated fund balance is $140,543.40.

24. Estimated June 30, 2017 911 Fund Balance

The estimated June 30, 2017 fund balance is $198,698.12.

25. Amount Requested

$2,027,594.00

26. Total Project Cost

$2,385,475.40

Budget and Budget Narrative

A budget and budget narrative must be supplied for all types of projects, as well as a copy of the applicant agency's approved FY 2016 PSAP budget.

27. List by line item planned expenditures

In alignment with the project goals and objectives, grant funds are requested for the planned expenditures listed below.

- Architectural Design Services
- Partial Facility Renovation, including generator, automatic transfer switch, and manual transfer switch
- Renovation Contingency
- CAD System
- Priority Dispatch ProQA
- Radio Consoles
- Network Infrastructure (Cabling, Servers, Racks, NetClock, etc.)
- Workstation Furniture and Chairs
- Professional Consultant Services

Attachment 5 contains the estimated construction, architectural services, and renovation contingency costs (within the space programming document).

Attachment 9 contains itemized and/or detailed vendor quotes for the requested expenditures. As many quotes as possible were obtained; other estimated costs were provided by Mission Critical Partners based on its most recent grant work within the state and industry knowledge.

Attachment 10 contains a copy of the 2017-2018 approved budget.

28. Provide a budget narrative that briefly explains the reason for each requested budget item.

ARCHITECTURAL, RENOVATION, AND CONTINGENCY: $1,307,880

Architectural Design Services: Architects are the "professionals in the construction industry who represent the interests of the building owner."[3] Architects provide design options to maximize investments and are intimately familiar with building codes (local and international). The renovation process requires the expertise of structural, mechanical, electrical, and plumbing engineers who work with the architect to ensure the accuracy of the design. The renovation will ensure that the 911 center will be able to withstand natural and manmade events that harm, or have the potential to harm, the public and put lives at risk. The complexities of a mission-critical facility are vast, requiring redundancies and safeguards that may not be seen in a normal commercial building, such as redundant power

[3] http://www.easternaianc.org/index.php/why-hire-architect/why-aia-architect/

sources and grounding. Architectural design services ensure all conditions are met.

Renovation Construction (911 and associated spaces only): The initial programming indicates that approximately 3,114 square feet are needed to support Greene County 911, which includes spaces for four workstations; support spaces, such as restrooms and kitchen; and office spaces. Costs include a contingency factor due to the preliminary nature of the project as well as an allowance for cost escalation, which has been seen in recent grant projects across the state. No 911 grant funds will be used to renovate other portions of the facility not identified within this grant.

Generator: Pursuant to 09 NCAC 06C.0210(b), "Primary and secondary power sources shall be determined by the PSAP including the following provisions: ... (4) Secondary Power Source. (A) The secondary power source shall consist of one or more standby engine-driven generators. ..." The request for a generator is to provide an independent and reliable power source in the event the primary power fails. This may be procured under the renovation contract, in which case the funds for this would transition into renovation costs.

Renovation Contingency: A 3 percent renovation contingency allowance is based on the estimated architectural and renovation costs.

TECHNOLOGY: $690,074.40

CAD System Infrastructure: Greene County 911 will continue to utilize Southern Software CAD. The licenses will transfer to the new facility, but there will be associated costs for hardware and program management for the transition.

Priority Dispatch ProQA: The use of nationally recognized EMD protocols provides for a standard level of service for all incoming calls.

Radio Consoles: Radio provides the foundation on which communications with first responders are built but is not an allowable expense for 911 funds. This provides for radio consoles to be used by the dispatchers to communicate with public safety personnel.

Network Infrastructure: Network infrastructure provides for servers, racks, cabling, switches, NetClock, storage, and other miscellaneous technological items.

Workstation Furniture and Chairs: New workstations and 24-hour chairs will be needed at the new facility.

PROFESSIONAL SERVICES: $387,521

Professional Consultant Services: Greene County intends to continue its relationship with Mission Critical Partners for the next three years for project management support and coordination of all project components, to include grant reporting, procurement support, coordination between vendors and vendor oversight, transition planning and implementation. This cost is the same as provided to Mitchell County in 2016 for a similar-sized facility project and procurements. Due to the complexity of the project, this fee is not subject to reduction based on the grant award as all components of the project remain the same, including technology procurements.

Note: As the technology costs are estimates only, it is the intent to have any awarded funds for technology as a singular fund, rather than specifically allocating "x" dollars to each requested item. This will allow Greene County to use the funds in the best way possible to meet the goals and objectives of the grant. For example, if the estimate for a respective piece of technology in the grant application is less than the official procurement cost, the remaining funds will be used towards other technology costs—keeping with the intent of the grant.

29. If the project will have ongoing expenses, such as monthly or annual recurring charges, identify those expenses by line item including the projected costs and the specific sources for future/long-term funding and demonstrate how the project will be sustained in the future without additional 911 Grant Program funding.

Greene County 911 expects to incur monthly and/or annual recurring charges in amounts similar to today but realizes there may be some increases due to the third operating position. Recurring charges include maintenance contracts for the CAD system and other hardware. It is within Greene County's financial capabilities to continue to support these costs through 911 funds and general funds.

Attachment 11 contains a copy of the recurring expenses.

In a new facility, there will be recurring expenses for power, water, garbage collection, cable, HVAC, pest control, and any associated maintenance agreements. At this time, these costs are unknown. Greene County intends to cover these expenses through general funds.

The capital costs requested within this grant are anticipated to be costs incurred one-time or infrequently, with plans to begin accumulating funding for future upgrades or replacement through ongoing anticipated 911 surcharges and through inclusion in long-range capital investment planning. The recurring maintenance costs of the systems and facility are within the current or future revenue capacity of the County. 911 funds will continue to be used for eligible expenses.

Evaluation

All applications must include evaluation information. The final report shall include an

evaluation demonstrating that the equipment or services funded by the grant have been purchased, installed/implemented, and are performing as expected.

30. Explain how your evaluation will measure the achievement of the goals and objectives identified in the Project Description with a timeline and milestones for meeting short, intermediate, and long term goals.

Upon a successful grant award, Greene County, in concert with Mission Critical Partners, the goals and objectives of the project will be reviewed, and adjustments made based on the awarded grant amount. For example, a reduced grant award may mean some changes to the technology, or programming changes to the facility. Upon concurrence of the objectives, a more definitive timeline will be established.

The overarching goal of this initiative is to renovate a portion of the National Guard Armory to serve as the primary PSAP for Greene County. The secondary goal of this initiative is to advance technologies to better prepare for NG911. These goals cannot be realized until the project itself is complete. However, steps along the path toward achieving this goal are identified as milestones.

Each of the goals and associated objectives, constraints and assumptions, risks, deliverables, and milestones will be documented in a project scope.

Short-term goals are those milestones to be accomplished within six months of receiving a fully executed grant contract, if the grant application is successful. Intermediate goals are those milestones to be accomplished between months 7 and 14. Long-term goals are those milestones to be accomplished in the last 12 months of the project. The preliminary (anticipated) timelines, particularly technology, will be further refined as the project progresses and short-term milestones are reached, such as selection of an architect. Additional milestones will be added as needed. A critical path schedule will be identified upon the initiation of individual tasks and will be monitored for alignment and impact on the overall project schedule.

Regular site visits will be conducted by the County and Mission Critical Partners to help assure the project remains on schedule. The project team will participate in the monthly construction meetings once they begin; this will help assure alignment with project expectations and goals, and to measure progress.

Monthly reports will be provided to the North Carolina 911 Board, to include an update on the milestones by reporting category: design, permit, construction, communications systems, and other activities. The measurement will be made by determining if respective tasks, activities and milestones were successfully completed in the anticipated timeframe. Interim reports will be produced as requested or if a risk is identified that will impact scope, schedule, and/or budget.

Mission Critical Partners will provide professional project management support and will work with the project committee and vendors to communicate and document expectations of the scope of work, budget, and timelines as contracted.

Any changes and additions to documented plans and schedules will be communicated to the key stakeholders throughout the project from planning, initiation, execution, monitoring and control, through completion and post-cutover acceptance activities.

31. Describe in detail how evaluations will be conducted, including performance parameters which must be met in order to meet acceptance criteria.

Various stages of the project will require testing, whether it be during construction or technology implementation.

Renovations shall adhere to the latest version of the NC building codes, as well as those requirements from the NC 911 Board Rules, specifically 09 NCAC 06C .0210, *Public Safety Answering Point (PSAP) Facilities*, and .0402, *Grant for*

Construction or Renovation. It is the architect's responsibility to ensure that the NC 911 Board requirements are included during the design phase. A copy of these rules will be provided to the architect during the kick-off meeting. Mission Critical Partners will review the respective design plans to ensure the criteria are met.

In addition, there are other standards that will be applicable during the design phase and, by extension, during the evaluation phase. Electrical shall be per National Fire Protection Association (NFPA), *National Electrical Code (NEC)* [NFPA 70]. Portions of NFPA 1221, *Standard for the Installation, Maintenance, and Use of Emergency Communications Systems*, shall be applicable. Grounding shall adhere to Motorola R56 standards. These standards will be referenced when reviews are conducted.

Greene County's local building inspector will be involved in inspections. The architect's contracted engineering firm and Mission Critical Partners' subject matter experts will conduct periodic reviews. Building commissioning will be conducted by the building inspector and professional engineering firm. Commissioning will be per accepted industry practice and requisite standards.

Telecommunications Industry Association (TIA) and BICSI standards will be followed for the information and communications technology (ICT) infrastructure and structured cabling, as appropriate.

Technology vendors will be expected to provide acceptance test plans for review and approval prior to actual testing and subsequent acceptance, when all tests have successfully been demonstrated or passed.

As a rule, state codes, national standards, and best practices will be followed throughout the design phase, renovation, commissioning, and acceptance of the facility itself and all associated technology.

32. Identify how data will be collected and presented

Throughout the duration of the project, all documentation, including but not limited to, requests for qualifications (RFQs), architect proposals, schematic designs and associated revisions, construction bid documents, construction proposals, value engineering documents (if needed), monthly construction reports, technology requests for proposals (RFPs) and/or bids (RFBs), change orders, and all contracts will be collected in soft copy and hard copy (when applicable). All soft copies will be stored electronically in a shared project folder. Photographic documentation throughout the project build will also be filed. The shared file will be set up by project area, such as construction and technology, with appropriate sub-folders for ease of access.

The project architect will have overall responsibility for maintaining all programming and construction documents, as well as requests for information (RFIs) and responses. At facility acceptance, the contractor will provide a red-lined as-built set of construction documents to Greene County to be kept at the new facility. In addition, the contractor will provide both a bound hard copy and soft copies on USB drives of the operations and maintenance (O&M) manuals for all building systems.

Upon completion of testing acceptance for the various technologies, the test documentation indicating the systems perform as expected will be provided to the NC 911 Board in PDF format.

At the end of each month, a report will be prepared and submitted to the North Carolina 911 Board, in accordance with grant requirements, indicating the activities of the current month and anticipated activities for the upcoming month. Any issues, and resolutions if known at the time, will be documented in the monthly report as well.

At project closeout, Greene County will have a soft copy of all relevant final project documents for historical reference. This will also be available to the NC 911 Board if requested.

Once you are satisfied with your application, please email the completed application along with all attachments to 911comments@its.nc.gov The deadline for filing is midnight, Friday, June 15, 2018. **NO APPLICATIONS WILL BE ACCEPTED AFTER THAT DATE**

Once you have submitted the application including all necessary attachments, you will receive a reply email within 24 hours advising you that the grant application has been received. If you **DO NOT** receive the confirmation email within 24 hours, please contact Pokey Harris *pokey.harris@nc.gov* or call 919-754-6621

Attachment 1 — Support Letters — can be found on the following pages.

This attachment pertains to question 5.

North Carolina General Assembly
House of Representatives
Office of the Majority Leader

REPRESENTATIVE JOHN R. BELL, IV
101H DISTRICT

OFFICE: 301-F LEGISLATIVE OFFICE BUILDING
300 N. SALISBURY STREET
RALEIGH, NC 27603-5925
PHONE: (919) 715-3017
FAX: (919) 733-3113
EMAIL: john.bell@ncleg.net

June 13, 2018

COMMITTEES:

AGRICULTURE
BANKING
COMMERCE AND JOB DEVELOPMENT
FINANCE
HOMELAND SECURITY, MILITARY, AND VETERANS AFFAIRS
JUDICIARY III
PUBLIC UTILITIES
REGULATORY REFORM, CO-CHAIR
RULES, CALENDAR, AND OPERATIONS OF THE HOUSE

The 911 Board Grant Committee
North Carolina Department of Information Technology
Post Office Box 17209
Raleigh, North Carolina 27619-7209

Dear NC 911 Board Members:

I wanted to take a moment to express my support for Greene County in its efforts to obtain a grant award to improve emergency communications within the county.

With a designation of a Tier 1 county, such an award will help offset costs to renovate the National Guard Armory as Greene County is financially distressed and cannot undertake such a project without assistance. With an end goal to improve 9-1-1 services to the citizens and first responders of Greene County, and ensure reliability and sustainability, this is a step in the right direction.

Thank you for the time you each have committed to the grant process and award decisions.

Sincerely,

John R. Bell, IV

North Carolina General Assembly
House of Representatives

REPRESENTATIVE GEORGE W. GRAHAM, JR.
12TH DISTRICT

OFFICE ADDRESS: NC HOUSE OF REPRESENTATIVES
1321 LEGISLATIVE BUILDING
RALEIGH, NC 27601-1096
TELEPHONE: (919) 733-5995
(919) 754-3227 Fax
E-MAIL: George.Graham@ncleg.net

HOME: P.O. Box 1082
Kinston, NC 28503
(252) 559-3307

COMMITTEES:

AGRICULTURE
APPROPRIATIONS
APPROPRIATIONS SUBCOMMITTEE ON JUSTICE and PUBLIC SAFETY
ELECTIONS and ETHICS LAW
HOMELESSNESS, FOSTER CARE, AND DEPENDENCY
STATE and LOCAL GOVERNMENT II
WILDLIFE RESOURCES

June 6, 2018

The 911 Board Grant Committee
North Carolina Department of Information Technology
Post Office Box 17209
Raleigh, North Carolina 27619-7209

RE: E911 Board/EOC

Dear NC 911 Board Members:

I am absolutely pleased to provide my full support of Greene County's efforts to obtain a grant award that will help improve emergency communications throughout the county.

Greene County is an economically distressed county and will not be able to undertake such a project without financial assistance. Receiving this grant will give them the necessary funding required to offset the costs to renovate the recently acquired National Guard Armory building.

This will allow them to promote the deployment of an E911 system while improving current 911 services, and ensure reliability and sustainability for all citizens of the county.

Thank you for the time you each have committed to the grant process and award decisions.

Best regards,

George W. Graham, Jr.

NORTH CAROLINA GENERAL ASSEMBLY
SENATE

SENATOR DON G. DAVIS
5th District

Transportation

Office: 300 N. Salisbury Street
519 Legislative Office Building
Raleigh, NC 27603-5925
Phone: (919) 715-8363
Fax: (919) 754-3159
Email: don.davis@ncleg.net
Counties: Pitt, Wayne, Lenoir and Greene

COMMITTEES:

Appropriations on Department of

Education/Higher Education
Finance
Health Care
State and Local Government

June 6, 2018

The 911 Board Grant Committee
North Carolina Department of Information Technology
Post Office Box 17209
Raleigh, North Carolina 27619-7209

Dear Board Members,

I wanted to express my support for Greene County in its initiative for an E911 Grant. Greene County is in major need of a facility that can serve the citizens in the case of a force majeure. The pursuit of this facility carries a cost that Greene County cannot meet alone. A commitment of funds from the E911 Board will go a long way in bringing a project like this to fruition to serve the needs of the County for the foreseeable future.

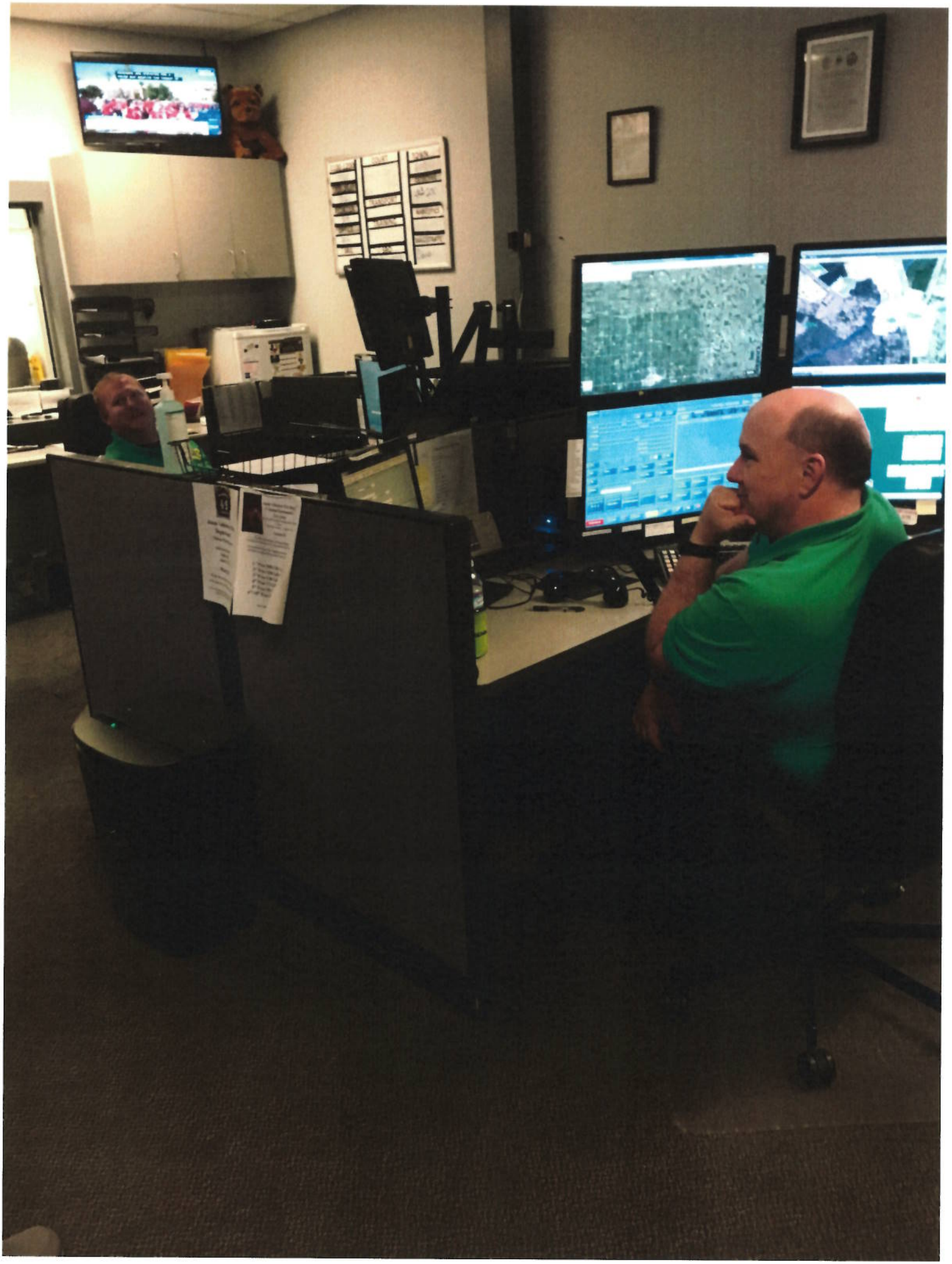
Thank you for your time and attention to this grant request for Greene County, we sincerely appreciate it.

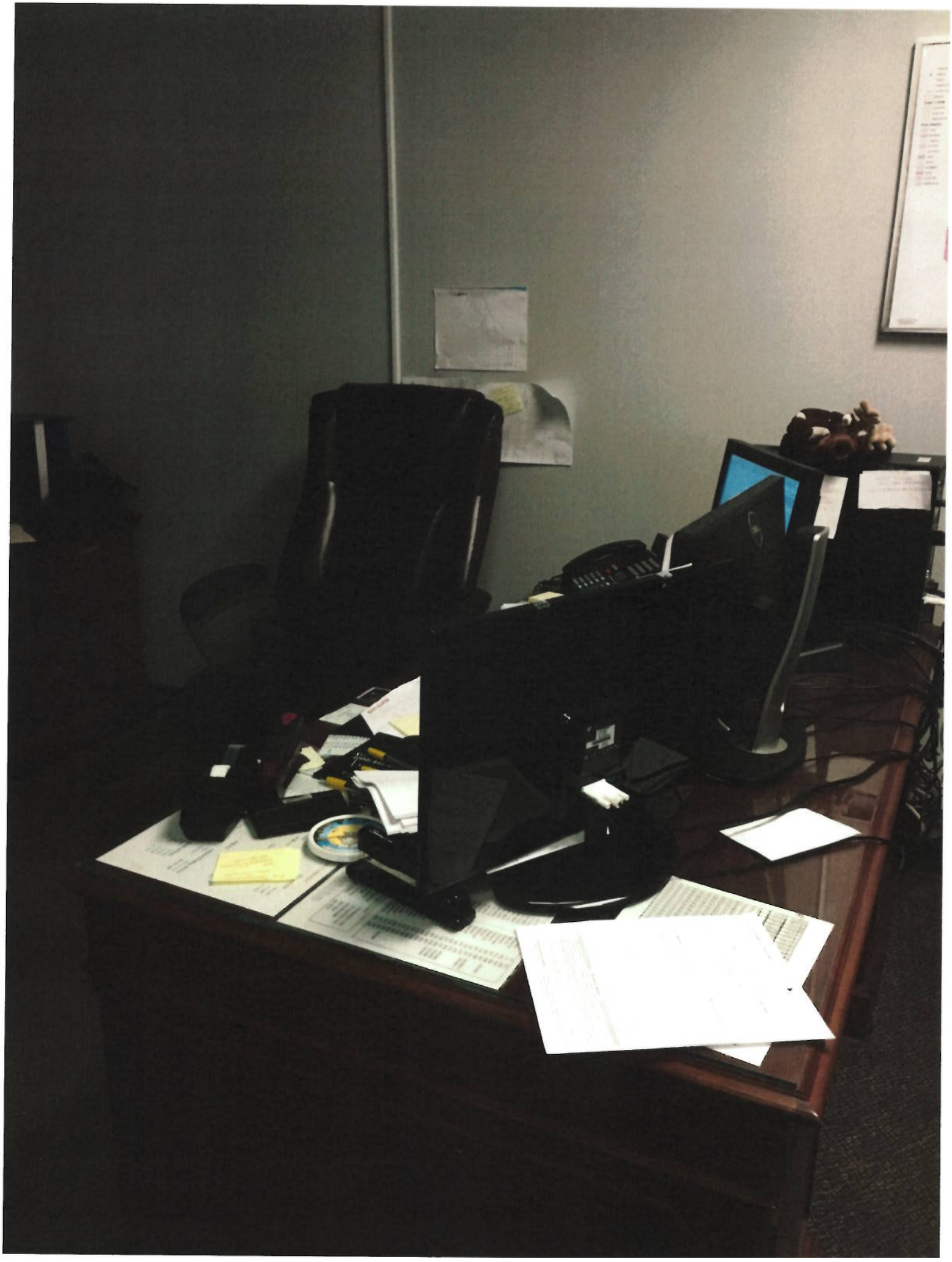
Regards,

Senator Don G. Davis

Attachment 2 — 911 Center Photos — can be found on the following pages.

This attachment pertains to question 5.











Attachment 3 — Flood Photographs — can be found on the following pages.

This attachment pertains to question 5.


STOP


STOP


GENERAC




STOP

Attachment 4 — National Guard Armory Photographs — can be found on the following pages.

This attachment pertains to question 5.


N G ARMORY








DET 1 694TH MAINT CO
NORTH
CAROLINA
ARMY NATIONAL GUARD



Attachment 5 — Space Needs Programming — can be found on the following pages.

This attachment pertains to questions 5 and 27.

AREA SUMMARY

TOTALS		NSF	GSF	Total
1	DISPATCH / 9-1-1	1234	662	1896
2	IT SUPPORT / EQUIPMENT ROOMS	780	78	858
3	LOBBY / BUILDING ENTRY	64	13	77
	Subtotal	2078	753	2831
	Building GSF @ 10%		283	
	TOTAL BUILDING AREA	2078	1036	3114

	Low	Mid	High
	$325/Sq Ft	$375/Sq Ft	$425/Sq Ft
OPINION OF PROBABLE COSTS	$ 1,012,050	$ 1,167,750	$ 1,323,450

			Space Code	Area/ Unit	Units	NSF	Grossing Factor		GSF	Total	Comments
1											
1.0	DISPATCH / 9-1-1	BUILDING ADJACENCIES									
1.1	Supervisor Office			120	1	120	30	%	36	156	
1.2	Telecommunicator Consoles			64	3	192	100	%	192	384	Sit-Stand Workstation
1.3	Training / Backup Console			64	1	64	100	%	64	128	Sit-Stand Workstation
1.5	Toilet Rooms			72	2	144	100	%	144	288	Separated from 9-1-1 Call Center for privacy
1.6	Kitchen/Break Room			200	1	200	30	%	60	260	
1.7	Conference/Training Room/Multi-purpose Space			200	1	200	35	%	70	270	
1.8	Copy/Storage/Work Area			100	1	100	35	%	35	135	File Cabinets, Storage Cabinets, Counter Area
1.9	Showers/Lockers			150	1	150	30	%	45	195	1 Male/ 1 Female
1.1	Storage/Supplies			64	1	64	25	%	16	80	Shelves
					Subtotal	1234	49	%	662	1896	

			Space Code	Area/ Unit	Units	NSF	Grossing Factor		GSF	Total	Comments
2											
2.0	IT SUPPORT—EQUIPMENT ROOMS	BUILDING ADJACENCIES									
2.1	911/IT/Radio Equipment Room			300	1	300	10	%	30	330	IT Infrastructure (Estimated ___ Racks)
2.2	Main Power Distribution / UPS			180	1	180	10	%	18	198	
2.3	Mechanical/Plumbing Room/Fire Protection			300	1	300	10	%	30	330	
2.4	Maintenance/Custodial Storage			150		0	25	%	0	0	
					Subtotal	780	11	%	78	858	

			Space Code	Area/ Unit	Units	NSF	Grossing Factor		GSF	Total	Comments
3											
3.0	LOBBY / BUILDING ENTRY	BUILDING ADJACENCIES									
3.1	Secure Vestibule			64	1	64	20	%	13	77	
					Subtotal	64	20	%	13	77	

Construction Contingency at 3% = $35,032.50

Architect Fee at 9% = $105,097.50

TOTAL $1,307,880

NOTES:

Attachment 6 — Strategic Plan — can be found on the following pages.

This attachment pertains to question 10.



Greene County, North Carolina

Strategic Technology Plan

2018 - 2019

Table of Contents

I. Overview

II. Objectives

III. Technology

IV. Measures

Overview

Greene County is in the Inner Coastal Plain region within the State of North Carolina. It is bound on the east by Pitt County, on the south by Lenoir County, on the north by Wilson County and on the west by Wayne County.

Greene County is 266.4 square miles of land area with very little water area. The county has a population of approximately 21,015 as estimated in July 2017 by the U.S Census. This continues to be a decrease with a -1.6% change since the 2010 census.

Emergency Communications is currently housed in a 600 square foot room which also acts as a reception area for visitors. The technology spaces are kept in an adjoining part of the facility.

Objectives

The objectives of this strategic technology plan are closely aligned with the priorities of the agency. Greene County has historically operated the break/fix method of handling technology procurement. This has not proven to be effective in keeping systems current nor does it allow for proper budgeting and replacement cycles. Greene County wants to provide a high level of service to the citizens in their community, so they recognize the need for a more formalized strategy for their technological management.

Technology

Greene County currently operates in a facility that is about 600 square feet of operations space and a technology room that is vastly undersized. The current technology space is not adjacent to the operations area and is not well suited for critical public safety grade equipment. Supplementary air conditioning equipment is required, which was retrofit into the room, causing air gaps in the outside wall. Obvious signs of flooding can be seen with one of the server racks elevated on a wooden platform.

Greene County hopes to move their critical public safety operations and support equipment into a facility that will be purpose-built and provide the redundancies and efficiencies that are required by public safety responders and the citizens of this community.

Following are some of the initiatives that will occur during the period of this plan.

Greene County currently utilizes an on-premise West Systems Viper System for Customer Premise Equipment (CPE). This system works well for the current operation but we are very interested in the

benefits and potential cost savings of the State of North Carolina Hosted Call Handling system. The hosted solution will increase overall functionality of the CPE in use, allow for more seamless backup processes and reduce the overall technology footprint required. We will begin work with AT&T and the NC 911 Board staff to align ourselves with this initiative.

Computer-aided dispatch is currently provided by Southern Software with a replicated server in the backup PSAP located in the Lenoir/Jones facility. This system will be in a maintenance mode during most of the plans duration, requiring a hardware refresh near the second year. If the new facility project is undertaken, the hardware refresh will occur with the cutover to the facility. During this strategic plans timeframe, Greene County will continue to keep the software portions of the CAD system current with routine maintenance, enhancements and upgrades. As the time to refresh the servers grows closer, an evaluation of the most current servers, replication routines and functionality can be compared to allow for the most cost effective, but fully functional equipment can be made available in the facility.

An Eventide Recording System will be installed in the main Greene County facility. This system will replace the end-of-life recording equipment in place today. Once installed, this system will be in maintenance mode, enhancements and software patches will be kept current. If the new facility project is undertaken, this system will be relocated with the assistance of the vendor. This move will allow the County to get the most return on their investment for this system. Formalized migration and cutover planning will be required to detail the precise steps to perform this migration without causing loss of audio/video recordings.

Greene County recently purchased new Motorola MCC7500 radio consoles for their backup location, with the forethought that we would upgrade the primary radio consoles. Utilizing the State Viper system and some low-band frequencies, the Motorola MCC7500 consoles will be a suitable upgrade.

Measures

As mentioned above, Greene County has historically used the break/fix approach to hardware and software refreshes. Beginning with the execution of this strategic plan, Greene County will begin utilizing the replacement recommendations recently published by the North Carolina 911 Board. These recommendations will allow us to craft a budget cycle driven replacement routine for all of the technology in use. By implementing these new formalized routines, it will ensure that the mission critical applications that are in use by the Greene County 911 Center are current, secure, take advantage of efficiencies in new technology and provide a robust platform for the receipt and delivery of emergency call information to the first responders in our community.

Attachment 7 — Greene County Fund Balance — can be found on the following page.

This attachment pertains to question 11.

From: Jernigan, Danette <danette.jernigan@nc.gov>
Sent: Wednesday, June 13, 2018 2:47 PM
To: Berry Anderson <berry.anderson@greenecountync.gov>
Subject: RE: [External] Fund Balance

Hey Berry,

Your FY2017 report has not been finalized at this time. The **estimated June 30, 2017** fund balance is $198,698.12, but keep in mind that could change based on the report and if there are ineligible items listed. I don't have an estimated fund balance for 2018 because the reports are not due yet. I did send out a letter at the end of May that showed what your funding distribution would be for FY2018 though.

Thanks.

Danette Jernigan
911 Financial Review Specialist
NC 911 Board
NC Department of Information Technology
919-754-6534
https://it.nc.gov/nc911board

NC DIT 911 Board | North Carolina Department of Information Technology

Attachment 8 — Greene County Fund Distribution — can be found on the following pages.

This attachment pertains to question 11.

NC DIT | NORTH CAROLINA DEPARTMENT OF INFORMATION TECHNOLOGY

911 Board

J. ERIC BOYETTE
SECRETARY & STATE CHIEF INFORMATION OFFICER
CHAIRMAN

David B. Bone
VICE CHAIRMAN

May 18, 2018

Kyle J. DeHaven
County Manager
229 Kingold Blvd.
Snow Hill, NC 28580

Dear Mr. DeHaven,

RE: Greene County PSAP Funding Distribution FY2019

The North Carolina 911 Board approved a funding method in December 2010 for distributing funds to the primary PSAPs. The 911 Board is required to present the proposed distribution amount (base amount as defined in G.S. §143B-1406 for each primary PSAP by June 1 of each year for the upcoming fiscal year. The distribution amount is based on data collected for the most recent five years of approved eligible expenditures for your primary PSAP.

The 911 Board must consider the amount of funds carried forward for your primary PSAP in determining the distribution amount for the upcoming fiscal year. This required by G.S. §143B-1406(a1), and the Board considered distributions remaining in the Emergency Telephone System Fund for the past two years. PSAPs may carry-forward no more than 20% of the average yearly amount of the prior two years for eligible expenditures for capital outlay, capital improvements or equipment replacement. The 911 Board however, may allow a PSAP to carry forward a greater amount.

Please note, your agency's FY2017 Revenue-Expenditure report has not been reconciled and the reported expense was the amount used for the 5-year average. Once the report is reconciled, the final expense amount **will not** impact the FY2019 funding for your agency.

Based on the most recent unreconciled Revenue Expenditure financial data of June 30, 2017, distributions to your PSAP for Fiscal Year 2018-2019 will be $17,344.44 monthly, which is $208,133.26 annually. Distributions must be deposited into the Emergency Telephone System Fund (N.C.G.S. §143B-1406(a)). Disbursements will begin July 1, 2018 for the 2018-2019 fiscal period.

P O Box 17209, Raleigh, NC 27619-7209
4101 Mail Service Center, Raleigh, NC 27699-4101
Telephone: 919-754-66241
it.nc.gov/nc911board

If you feel the monthly distribution amount is not adequate to fund the eligible expenditures of your 911 center, or if you feel your agency needs more than the 20% allowable carry-forward, you may request a reconsideration of the distribution amount.

Forms for requesting a funding reconsideration are available on the North Carolina 911 Board website http://it.nc.gov/nc911board. Eligible expenses are identified in the N.C.G.S. §143B-1406(d) and on the Board's, Approved Use of Funds List at http://it.nc.gov/nc911board.

Please contact me and I'll be glad to assist you in making that request. My email address is Pokey.Harris@nc.gov . All reconsideration requests must be filed no later than August 6, 2018.

Sincerely,

L.V. Pokey Harris
Executive Director

Cc: Finance Director
911 Director

P O Box 17209, Raleigh, NC 27619-7209
4101 Mail Service Center, Raleigh, NC 27699-4101
Telephone: 919-754-6621
it.nc.gov/nc911board

Attachment 9 — Vendor Quotes — can be found on the following pages.

This attachment pertains to question 27.

Audiovisual	$	25,000.00
CAD System	$	53,041.40
Telephony	$	-
Priority Dispatch ProQA	$	75,000.00
Logging Recorder	$	-
Radio Consoles	$	250,533.00
DataCenter / Networks / Netclock	$	225,000.00
Workstation Furniture and Chairs	$	61,500.00
	$	690,074.40

Craig Schulz

From: Berry Anderson <berry.anderson@greenecountync.gov>
Sent: Monday, May 14, 2018 3:42 PM
To: Craig Schulz; Philip Penny
Cc: Berry Anderson
Subject: FW: For your grant

Some more info from computer vendor.

From: Tina Mooring <tina@cocentral.com>
Sent: Monday, May 14, 2018 3:33 PM
To: Berry Anderson <berry.anderson@greenecountync.gov>
Subject: For your grant



GREENE COUNTY
A Place To Grow. The Way To Live.

5/14/2018

Greene County 911 Hardware

Qty	Part#	Item & Description	Cost Ea	Ext. Cost
3	469-3915KIT	Dell Optiplex 3010 Minitower I5-3550 3.2 Ghz processor, 8 GB of ram 500 GB sata hard drive, DVD-RW DRIVE, (1) dual head 512 MB Video card FOR top 2 monitors, MS Windows 7 Pro 64 bit, w/ 3 yr warranty and internal media card reader (2 for console stations and 1 for Sharon's other desk- using her existing pc as a spare)	$ 725.00	$ 2175.00
1	SV211KUSB	KVM 2 port switch (for Sharon's desk) with cables	$ 50.00	$ 50.00
5	469-1381	DELI 24" LED Flat panel monitor (1 for Sharon's other desk and 2 each at the console stations)	$ 189.00	$ 945.00
4	ASF24W9USZ	Targus 24" Privacy filters (for DELL monitors)	$ 99.00	$ 396.00
4	997-6399-00	Planar 24" LED Flat Panel touch screen monitors (for console stations)	$ 425.00	$ 1,700.00
2	SMT3000	APC 3000 VA Tower UPS Unit (2 Console Room)	$ 1,089.00	$ 2,178.00
2	SMT3000RM2U	APC 3000 VA Rack UPS unit (telephone equipment room/courthouse basement)	$ 1,125.00	$ 2,250.00
1	SMT2200RM2U	APC 2200 VA Rack UPS unit (for room with the rack unit in Jail area)	$ 989.00	$ 989.00
1	LABOR	LABOR to copy from existing computers over to new computers and setup on-site. We know this has to be performed on-site and in stages to avoid downtime. Estimate 1 day for a tech on-site to copy the information, setup for UPS's and make sure everything works properly. This includes re-purposing the Lenovo pc for a spare backup	$ 800.00	$ 800.00
1	DELL-430RKIT	DELL PowerEdge R430 Rack Server including Intel Xeon E5-2403 1.8 GHz, 10 MB Cache, 6.4 GTs, Single processor server, 12 GB UDIMM (3X4GB UDIMM), (4) 146 GB SAS 15K Drives (raid 5 for redundancy), MS Windows 2008 Server 64 bit, 5 yr warranty 5X10, rail kit to work in existing rack	$ 4,800.00	$ 4,800.00
2	SLM2048T-NA	Cisco 50 port managed 10/100/1000 GB Switch	$ 689.00	$ 1,378.00
1	LABOR	Labor to copy from existing file server to new file server, migrate users, permissions, files	$ 1,000.00	$ 1,000.00

1	ANNUAL	Annual Contract for on-site, remote support 24x4x7 including pager 252-498-0000 support for 911 Hardware	$ 3,600.00	$ 3,600.00
			Subtotal	$22.261.00
			6.75% Sales tax	1502.62
			Total	**$23,763.62**

Quoted by: *Tina Mooring, Computer Central of Wilson, Inc. *2701 Wooten Blvd, Wilson, NC 27893* (252) 243-1398 P or tina@cocentral.com*

Serving Wilson and the surrounding area since 1989!

Tina Mooring
Store Manager
2701 Wooten Blvd.
Wilson, NC 27893
(252) 243-1398 p (252) 243-7819 f
tina@cocentral.com



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JCW Pricing Tool 6.58

Quote Number#

Account Manager: Robert Robinson

	Customer Legal Name:	**E911 Greene County E911**			**Centurion Maintenance**		
	Customer Billing Name:	**E911 Greene County E911**					
	Customer Address:	**201 MARTIN L KING JR PKWY , SNOW HILL, NC 28580-1320**			**Coverage:**		
	Date Prepared:	**May 14, 2018**			**Contract Term:**		
	Quote Expires:	**July 13, 2018**					
	Quote Number:						
QTY	**Item**	**Total Non-Recurring Price**	**Annual Price - Year 1**	**Annual Price - Year 2+**	**Total Annual Price - Y1**	**Total Annual Price - Y2+**	**Total Term Price**
	CPE - (Includes Shipping and Misc costs)	$ 25,364.66			$ -	$ -	$ -
	Labor	$ -					
	On-Site Tech		$ -	$ -			
	Vendor Support	$ 3,333.34	$ -	$ -			
	Total Prices	**$ 28,698.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Prices shown on this page represent recurring and nonrecurring charges for items as described. These prices do not include recurring or nonrecurring charges for taxes, duties, tariffs, or telecommunication services.

CenturyLink

CenturyLink

Customer Legal Name: E911 Greene County E911
Customer Billing Name: E911 Greene County E911
201 MARTIN L KING JR PKWY
SNOW HILL
NC , 28580-1320
Quote-Build #: -Oracle

Valid Until July 13, 2018

Description of Work to be Performed: new CAD position software and reconfiguration, customer will provide the hardware.

Equipment pricing shown is based upon direct sale accompanied by new Centurion Maintenance contract on same.

See Vendor Support Tab for Additional Pricing

Part Number	Description	Quantity	Unit Price	Extended Price
000-000	CAD POSITION (PER POSITION) (SOFTWARE ONLY) (with remote	1	$ 16,202.53	$ 16,202.53
000-000	MAP DISPLAY SYSTEM (MDS) - (PER POSITION) (SOFTWARE ONLY) (with	1	$ 5,063.29	$ 5,063.29
000-000	INSTALLATION/CONFIGURATION (onsite to reconfigure server,	1	$ 3,607.59	$ 3,607.59
-	-	-	$ -	$ -
-	-	-	$ -	$ -
-	-	-	$ -	$ -
-	-	-	$ -	$ -
-	-	-	$ -	$ -
-	-	-	$ -	$ -
-	-	-	$ -	$ -
-	-	-	$ -	$ -

Parts		$ 24,873.41
Miscellaneous		$ -
Shipping		$ 491.25
Parts Subtotal		$ 25,364.66
Labor		$ -
Vendor Support (See Vsupport Tab for Details)		$ 3,333.34
TOTAL PRICE		**$ 28,698.00**

All Products listed on this Quote are governed by the Standard Terms and Conditions for Communications Services and the Equipment Sales Product Annex, both posted to http://about.centurylink.com/legal/rates_conditions.html

Prices do not include charges for taxes, duties, tariffs, telecommunication services, or professional services such as Centurion Maintenance or Managed Network Services.

CenturyLink

Price Sheet
Vendor Support

Customer: E911 Greene County E911
201 MARTIN L KING JR PKWY
SNOW HILL
NC
28580-1320
Quote-Build#: -Oracle

Pricing is Valid Until: *July 13, 2018*

Description of Work to be Performed: new CAD position software and reconfiguration, customer will provide the

Equipment pricing shown is based upon direct sale accompanied by new Centurion Maintenance contract on same.

Part Number	Description	Quantity	Type	(Only if MRR) Term Years	(Only if MRR) MRR	Sale Price Unit Price	Sale Price Extended Price
000-000	ADDITIONAL CAD SUPPORT (24/7)	1	NRR	-	$ -	$ 1,666.67	$ 1,666.67
000-000	WIRELESS MESSAGING SUPPORT (24/7)	1	NRR	-	$ -	$ 1,666.67	$ 1,666.67
-	ADDITIOANL MDS (MAP DISPLAY SYSTEM) (24/7) SUPPORT	-	NRR	-	$ -	$ -	$ -
-	-	-	NRR	-	$ -	$ -	$ -
-	-	-	NRR	-	$ -	$ -	$ -
-	-	-	NRR	-	$ -	$ -	$ -
-	-	-	NRR	-	$ -	$ -	$ -
-	-	-	NRR	-	$ -	$ -	$ -
-	-	-	NRR	-	$ -	$ -	$ -
-	-	-	NRR	-	$ -	$ -	$ -

TOTAL Annual MRR	$ -	
TOTAL Term MRR	$ -	
TOTAL PRICE NRR		$ 3,333.34

All Services listed on this Quote are governed by the Standard Terms and Conditions for Communications Services and the CenturyLink® Centurion Maintenance Service Annex, both posted to http://about.centurylink.com/legal/rates_conditions.html.

CenturyLink™

Customer Legal Name:	E911 Greene County E911
Customer Billing Name:	E911 Greene County E911
Site Address 1:	201 MARTIN L KING JR PKWY
Site Address 2:	
City:	SNOW HILL
State:	NC
Zip:	28580-1320

Contact Name:	Barry Anderson
Phone Number:	252-747-8030
E-Mail:	banderson@greenecountync.gov

Account Manager / Sales ID:	Robert Robinson
Account Manager E-mail:	robert.l.robinson1@centurylink.com
Sales Engineer Name:	Paul Winstead
Sales Engineer E-Mail:	paul.w.winstead@centurylink.com
Additional Sales Engineer E-Mail:	
Quote Number:	

CenturyLink™

Customer Notes / Project Description
new CAD position software and reconfiguration, customer will provide the hardware.

Attachment 10 — Greene County 911 2017-2018 Budget — can be found on the following pages.

This attachment pertains to question 27.

FOR 2018 13

ACCOUNTS FOR: 16 EMERGENCY TELEPHONE FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
16201 EMERGENCY TELEPHONE REVENUES							
16201 432500 INTEREST EARNED	0	0	0	-342.47	.00	342.47	100.0%
16201 434903 PSAP COLLECTIONS	-152,865	0	-152,865	-128,647.10	.00	-24,217.90	84.2%*
TOTAL EMERGENCY TELEPHONE REVENUES	-152,865	0	-152,865	-128,989.57	.00	-23,875.43	84.4%
16902 EMERGENCY TELEPHONE							
16902 510100 PROFESSIONAL FEES	28,930	0	28,930	.00	.00	28,930.00	.0%
16902 517100 SUPPLIES	500	0	500	.00	.00	500.00	.0%
16902 520100 POSTAGE/TELEPHONE	35,500	15,000	50,500	51,719.61	.00	-1,219.61	102.4%*
16902 527500 CONTRACTED SERVICES	26,500	20,000	46,500	37,572.63	.00	8,927.37	80.8%
16902 528200 MAINTENANCE/REPAIR-EQ	7,000	0	7,000	606.00	.00	6,394.00	8.7%
16902 530100 EQUIPMENT	54,435	-35,000	19,435	1,258.06	.00	18,176.94	6.5%
TOTAL EMERGENCY TELEPHONE	152,865	0	152,865	91,156.30	.00	61,708.70	59.6%
TOTAL EMERGENCY TELEPHONE FUND	0	0	0	-37,833.27	.00	37,833.27	100.0%
TOTAL REVENUES	-152,865	0	-152,865	-128,989.57	.00	-23,875.43	
TOTAL EXPENSES	152,865	0	152,865	91,156.30	.00	61,708.70	

FOR 2018 13

	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
GRAND TOTAL	0	0	0	-37,833.27	.00	37,833.27	100.0%

** END OF REPORT - Generated by Landon Price **

Attachment 11 — Greene County Recurring Expenses — can be found on the following pages.

This attachment pertains to question 29.

PSAP NAME

EXPENSE REPORT

PSAP Manager: _____

Email Address: _____

Address: _____

City _____ **State** _____

Signature: _____

PHONE & FURNITURE	Invoice or Account Number	Lease	Recurring	Non-Recurring	Maintenance Contractual	COMMENTS
Vendor Name:						
CENTURYLINK	307614594		$15,548.25			ROUTING
CENTURYLINK	304639964		$26,356.10			TRUNK
INFORMATION TECHNOLOGY SERVICES	40210012		$345.32			BASIC LINE CHARGE
LANGUAGE LINE SERVICES	9020517162		$192.00			IMPERATIVE SERVICES
CENTURYLINK	007010032Z2				$15,901.00	ANNUAL, CENTURION MAINT. ON VIPER
CENTURYLINK	006210036				$2,400.00	PHONE REMOTE MAINTENANCE
GATELY COMMUNICATIONS	16-1001865			$31,967.67		WRIGHT LINE FURNITURE (BACKUP)
GATELY COMMUNICATIONS	16-1004454			$268.57		ENCORE PRO OVER HEAD W/NC MIC (BACKUP)
WIRELESS COMMUNICATIONS	028397			$2,832.50		HIGH BACK BLK. LEATHER CHAIRS
CENTURYLINK	R062700046			$77,640.77		PHONE SYSTEM FOR BACKUP

Scroll over this cell to see the Approved Use of Funds Guideline

13800
17809.08

SOFTWARE	Invoice or Account Number	Lease	Recurring	Non-Recurring	Maintenance Contractual	COMMENTS
Vendor Name:						
SOUTHERN SOFTWARE	237374				$782.00	RENEWAL SUPPORT FEE
CAROLINA RECORDING SYSTEMS	152509				$6,350.00	VOICE LOGGING RECORDED
COMPUTER CENTRAL	143182				$189.00	SOFTWARE LICENSING
CENTURYLINK	R06010095				$25,820.31	AMS, CAD, MAPS, HARDWARE SUPPORT
COMPUTER CENTRAL	145197				$125.00	END POINT PROTECTION

Scroll over this cell to see the Approved Use of Funds Guideline

HARDWARE	Invoice or Account Number	Lease	Recurring	Non-Recurring	Maintenance Contractual	COMMENTS
Vendor Name:						
COMPUTER CENTRAL	144005				$1,800.00	COMPUTER WORKSTATIONS
COMPUTER CENTRAL	145196			$288.00		VIEWSONIC LED VGA
COMPUTER CENTRAL	140844				$89.00	GRAPHIC CARD
COASTAL GENERATOR SERVICE	4530				$136.67	ANNUAL PREVENTATIVE MAINTENANCE
COMPUTER CENTRAL	142432			$2,287.90		EQUIPMENT
MOTOROLA	41234498			$136,258.42		RADIO BACKUP PSAP
MOTOROLA	41233078			$13,167.00		RADIO BACKUP PSAP
CENTURYLINK	R062000046			$44,106.78		SERVER
CENTURYLINK	Q06010023				$988.25	CAD PUBLIC SAFETY SOFTWARE

HOSTED SOLUTIONS	Invoice or Account Number	Lease	Recurring	Non-Recurring	Maintenance Contractual	COMMENTS
Vendor Name:						

Scroll over this cell to see the Approved Use of Funds Guideline

TRAINING	Invoice or Account Number	Amount	Per Diem	Out-of-State	COMMENTS
Vendor Name:					

Scroll over this cell to see the Approved Use of Funds Guideline

FUNCTIONS	Invoice or Account Number	ADDRESSING CONTRACTUAL	DATABASE PROVISIONING CONTRACTUAL	ADDRESSING in house	DATABASE PROVISIONING in house	911 Telephone System in house	PC Support to include hardware in-house (Desktop PC)	CAD support to include hardware and software in-house	Server support to include hardware and software in-house	GIS Support to include hardware and software in-house	Radio Support to include hardware and software in-house	COMMENTS
Vendor Name:												

Scroll over this cell to see the Approved Use of Funds Guideline

Attachment 12 — Greene County Grant Responses — can be found on the following pages.

Grant Type

Individual PSAP Replacement

PSAP Name

Greene County Communications Center

1. ***Has the Revenue/Expenditure Report for FY17 been completed and approved by the NC 911 Board Fiscal staff for the applicant PSAP?***

No

2. ***Has the applicant PSAP implemented a plan and secured the means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP (backup plan)?***

Yes

3. ***If the answer to #2 above is NO, please explain in detail why the plan has not been implemented?***

N/A

4. ***Has the North Carolina 911 Board been notified that backup plan has not been implemented?***

N/A

5. ***Please outline project goals and objectives.***

Greene County 911 respectfully submits its application for an individual PSAP replacement grant to the NC 911 Board and would like to thank the Grant Committee for its time and effort in reviewing this request. The Grant Committee is invited to Greene County to see the current 911 space and tour the National Guard Armory, if desired. If questions arise during review, please do not hesitate to contact us.

Attachment 1 contains three support letters: one from Representative John Bell, IV; one from Representative George Graham, Jr.; and one from Senator Don Davis.

The overarching goal of this project is to improve emergency communications within Greene County by relocating the current 911 center and updating technology where needed. Greene County 911 is the only PSAP within the county, serving the Greene County Sheriff's Office and Snow Hill Police Department, six EMS agencies, and eleven fire departments and the NC Forest Service, with after-hour services provided for four County and municipal departments—all from a 911 center of 600 square feet, which includes a 48-square-foot restroom. There are no other spaces allocated for the center. In addition, the equipment "room," is insufficient and does not meet best practices or current industry standards. Recently there was a wasp

infestation in the equipment room. Wasps were able to enter the building through a hole beside the penetration for a vent. (Attachment 2 contains photographs of the 911 center and equipment room.) In October 2016 during/following Hurricane Matthew, the area behind the building housing the 911 center experienced severe flooding. The transformer was partially underwater, and water reached the bottom of the generator housing. (Attachment 3 contains photographs of the flooded area.) This could have severely crippled the 911 center; thankfully it did not.

The County has been deeded a 14,577-square-foot National Guard Armory building in Snow Hill on a 3.29-acre lot. (Attachment 4 contains photographs of the Armory.) The County plans to renovate the facility and use a portion of the facility for 911 center operations. It is estimated that approximately 3,100 square feet of the facility will be needed to support 911 operations within Greene County. (Attachment 5 contains a space needs programming estimate prepared by Mission Critical Partners.) While renovations at times can be more expensive than new construction, Greene County is cognizant of the recent increases in new construction costs, particularly for other grant funded projects. Greene County is trying to be a good steward of taxpayer funds and is seeking to re-use this facility. In 2017, the Golden LEAF Foundation awarded Greene County a $650,000 grant from the Disaster Recovery Grant Program. The project title is Greene County EOC and Communications Relocation. The description notes: "Greene County currently lacks a facility capable of serving as an emergency operations center (EOC) during major events. As a result, state emergency management must deploy additional resources to provide and facilitate response and recovery. The County will be taking over a recently decommissioned National Guard Armory in Snow Hill. Golden LEAF Disaster Recovery Grant Program funding will be used to make necessary renovations to this facility."[1]

Greene County estimates that $250,000 of the Golden LEAF Foundation grant will be available to support the renovations specific to support areas for 911 operations; the remaining Golden LEAF Foundation funds will be used to renovate other areas of the facility and to mitigate asbestos and lead paint, which are likely to be found within the facility. As the building is older, there are other considerations such as current building codes and structural classifications. Some preliminary outreach has already been conducted to determine the feasibility of undertaking such a renovation. An architect contacted by Mission Critical Partners noted the following:

"As background, the NC Building Code requires that if you have a change of use which puts the building use into a different occupancy classification the building most be brought up to current code in certain ways specifically identified by the code. One of these areas is the structural classification. If a change of use or change of occupancy moves the building use into a higher occupancy risk category then seismic and wind requirements most be updated to current requirements.

"In reviewing the existing Armory use one would identify the existing military use as a mixed use of Business (offices, etc), Storage and Assembly (Drill Hall). Also, table 1604.5 of the Building

[1] https://www.goldenleaf.org/grant-recipients/

Code, in my opinion, defines an Armory as an Occupancy Category IV "Buildings and other structures having critical national defense functions".

"A 911 and EOC Center would similarly be classified as Business (offices, etc.) and Assembly (EOC and possibly other large meeting areas) and Storage. Similarly, the Occupancy Category required for a 911 would be a Category IV.

"As the building occupancy and occupancy risk category do not change, even though there is a change of use, it is our opinion that the structure could remain in un modified, regardless if it meets the current building code structural requirements, if the building is changed from an Armory to a 911/EOC.

"Please note that this is an initial opinion only and that our assumptions would need to be reviewed by the local building official having jurisdiction."

Greene County Inspections was contacted about the opinion and noted: "If the occupancy stays the same - (business to business), the structure can be grandfathered in with no modifications. If the occupancy changes - (assembly to business), that part of the structure must be brought up to code completely."

The initial thought is to renovate spaces already in existence within the facility, such as the kitchen and restrooms, and use a portion of the large open space for 911 communications. This portion of the facility will likely need to be brought completely up to code as it will be similar to constructing a building within a building due to the hardened facility requirements for a 911 center.

As noted previously, the overarching goal of this project is to improve emergency communications, with the following objectives:
Objective 1: Renovate a portion of the National Guard Armory to house Greene County 911 operations
Objective 2: Ensure adherence to established rules for PSAP facilities, as stated within 09 NCAC 06C.0210, *Public Safety Answering Point (PSAP) Facilities*, and for the use of grant funds, as stated within 09 NCAC 06C.0400
Objective 3: Ensure functional areas address the safety and security of operations personnel
Objective 4: Where appropriate, adhere to best practices and standards for mission-critical facilities from the Federal Emergency Management Agency (FEMA), the National Fire Protection Association (NFPA), and the National Emergency Number Association (NENA)
Objective 5: Ensure all building systems perform as specified through systems testing during building commissioning

As part of the overarching goal to improve emergency communications, there will be some technology upgrades and improvements, some of which will help position Greene County 911 for Next Generation 911 (NG911).
Objective 1: Implement the statewide hosted call handling solution

Objective 2: Implement radio communications infrastructure necessary to dispatch emergency call information
Objective 3: Implement emergency medical dispatch protocols (EMD) from the International Academies of Emergency Dispatch (IAED)

A grant award from the NC 911 Board will increase the likelihood of a successful renovation project, and ultimate transition of Greene County 911 to the former Armory building, assuring that there is adequate operational and technical space for 911 operations.

Due to the formatting of the grant application, a Word version of the responses has been provided as Attachment 12.

6. Please provide an implementation strategy and work plan, including a timeline.

Renovations, while not having all the requirements of ground-up construction, can still be complex, particularly if structural changes are needed. In addition, due to the age of the Armory facility, it is possible that lead paint and asbestos may be encountered. These issues would need to be mitigated before other work could continue within the facility. Unfortunately, this will not be known until a testing service has been contracted and an architectural firm is hired. Independent testing services will identify for the County and architect what mitigation, if any, needs to occur based on the anticipated design.

For a successful project, the first step would be to qualify and hire an architectural firm, followed by an independent testing firm. This process could take 2-3 months. In coordination with the County, the architect and testing firm will walk the Armory site to identify potential space usage and issues. Following the testing firm's findings, any mitigation will occur. It is expected that the County will use a portion of the Golden LEAF grant to rectify any issues.

After the architect programs and designs the designated spaces, which could take 6-8 months, construction documents will be prepared and bid. It is anticipated that a renovation of the spaces designated for use and support of 911 operations could take 8-9 months, dependent on the complexity of the renovations. A more definitive timeframe will be narrowed down with the architect and further refined by the selected construction firm. Overall, it is likely that this project will require no more than 24-26 months to complete; however, the County would request a three-year timeframe due to the potential for unforeseen issues. Additional tasks are as follows:

1) Renovate the former National Guard Armory facility (Months 9-18)
2) Procure 911 equipment (Months 14-18)
3) Install workstations and begin some technology installations (Month 18)
4) Attain substantial completion of new facility (Month 18)
5) Commission the facility (Month 19)
6) Continue technology installations (Month 19-21)
7) Address any facility punch list issues (Month 19)
8) Obtain certificate of occupancy (Month 20)

9) Test and accept mission-critical technology (Month 22)
10) Transition any equipment or furniture (Month 22)
11) Transition Greene County 911 staff to new facility (Month 22)
12) Submit final documents to NC 911 Board (Month 24)
13) Close out the project (Month 25)

Throughout the project, required monthly reports will be submitted to the NC 911 Board.

7. ***Please identify the interface or compatibility between existing equipment and/or software and that which you intend to purchase.***

No interface or compatibility issues are anticipated as Greene County 911 will be procuring new equipment (in most cases) to replicate/upgrade the equipment from the current location, ensuring the software is at the latest revision. This will also ensure continuity with Lenoir-Jones 911, which serves as Greene County 911's back-up where equipment has recently been installed/upgraded.

Greene County 911 is interested in implementing EMD protocols from IAED / Priority Dispatch. There will be no interface issues with the Southern Software CAD system as the vendor already supports this product.

8. ***The North Carolina Department of Commerce annually ranks the state's 100 counties based on economic well-being and assigns each a Tier Designation. The 40 most distressed counties are designated as Tier 1, the next 40 as Tier 2 and the 20 lest distressed as Tier 3. Please indicate you PSAP or group of PSAPs tier ranking based on the NC Department of Commerce 2018 Tier Designation.***

Tier 1

9. ***Please identify funding priorities, their impact on operational services, and consequences of not receiving funding.***

The first priority is to renovate a portion of the former National Guard Armory to serve as the primary PSAP for Greene County. As noted previously, the current space allotted the 911 center is only 600 square feet and the equipment room is sorely lacking in all areas. Effective and efficient service to the citizens and first responders is of utmost importance. The photos from after Hurricane Matthew demonstrate what could have turned into a catastrophe. Having space to "spread out" and place a third workstation for when it is needed, such as during a disaster, is a priority and will only improve operational services.

The second priority is to advance 911 technologies within the County. Greene County wants to move their critical public safety operations and support equipment into a facility that will be purpose-built and provide the redundancies and efficiencies that are required by public safety responders and the citizens of this community. It goes without saying that the technology being

procured is vital to 911 operations. The implementation of EMD protocols is an objective of this second priority. The use of EMD protocols has become a best practice and an expectation of the public. Having the ability to provide pre-arrival instructions, and perhaps save a life, benefits all citizens of and visitors to Greene County.

NCGS § 143B-1406(d)[2], Fund distribution to PSAPs, Use of Funds, delineates what 911 funds can be used for; construction costs are not allowable. Unfortunately, as renovation involves construction, 911 funds cannot be used. In addition, Greene County 911 has recently put equipment into Lenoir-Jones for back-up purposes, and funding is not now available to outfit the new PSAP.

Greene County is the fifteenth most economically distressed county in the state.[3] If funding is not received, Greene County 911 will not be able to pursue this project. The condition of the equipment room could have detrimental effects on the County's ability to receive and process incoming 911 calls. The cramped quarters of the 911 center do not provide work conditions or environmental aspects that positively effect personnel. Without a grant award, these issues cannot be rectified.

10. Please provide a copy of your PSAP's long-term or strategic technology plan and identify how the project fits within it.

Aside from the renovation and support costs, the technology encompasses the strategic plan, as initiatives will be implemented in the new facility or transitioned to same if implemented in the current facility. The intent is to procure new technology (same vendors currently in use) for the renovated facility. This will ensure that operations continue throughout the transition and cutover.

Greene County 911 will continue to maintain their current equipment. If replacement is needed prior to the transition, assuming a successful grant award, equipment will be procured and then transitioned to the renovated facility. Grant or 911 funds will be used as appropriate.

Greene County 911 would like to have the capability to follow the NC 911 Board's best practices for technology replacement when financial resources allow.

Attachment 6 contains the strategic plan.

11. Please identify the likelihood of completing the project utilizing your 911 fund balance and the percentage of grant funding being requested in relation to total project costs.

It is extremely unlikely that this initiative will be completed without grant funding from the NC 911 Board; even with the Golden LEAF grant, Greene County cannot fund this project under

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[2] http://www.ncleg.net/enactedlegislation/statutes/html/bychapter/chapter_143b.html

[3] https://www.nccommerce.com/Portals/0/Incentives/CountyTier/2018-Tiers-memo.pdf

current economic realities. Given the limited funds available at the County level, and the budgetary challenges that exist within economically distressed counties, it is unlikely that alternative funding sources could be accessed that would be any more appropriate. Greene County does not have the tax base to invest in a new 911 facility. Approximately 23.7 percent of people within Greene County live in poverty, compared to 15.4 percent within the state.

Greene County's estimated fund balance is $140,543.40. The estimated fund balance as of June 30, 2017, is $198,698.12. Greene County received notice that funding will be $208,133.26 in 2019. Attachment 7 contains an email indicating the estimated fund balance. Attachment 8 contains the County's 911 distribution information.

911 funds must be expended on eligible costs. As Greene County can retain 20 percent of the received funds, the remaining funding is insufficient to meet the goals and objectives identified for this project. Where feasible, 911 funding will be used towards eligible expenses within the project.

Total project costs are estimated at $2,385,475.40. It is estimated that $250,000 from the Golden LEAF grant will be used to renovate support spaces that will be used by 911 staff. This leaves $2,135,475.40 to be funded. Greene County respectfully requests $2,027,594 for this project, approximately 85 percent of the total project cost.

23. Current 911 Fund Balance

Greene County's estimated fund balance is $140,543.40.

24. Estimated June 30, 2017 911 Fund Balance:

The estimated June 30, 2017 fund balance is $198,698.12.

25. Amount Requested

$2,027,594.00

26. Total Project Cost

$2,385,475.40

27. List by line item planned expenditures.

In alignment with the project goals and objectives, grant funds are requested for the planned expenditures listed below.

- Architectural Design Services

- Partial Facility Renovation, including generator, automatic transfer switch, and manual transfer switch
- Renovation Contingency
- CAD System
- Priority Dispatch ProQA
- Radio Consoles
- Network Infrastructure (Cabling, Servers, Racks, NetClock, etc.)
- Workstation Furniture and Chairs
- Professional Consultant Services

Attachment 5 contains the estimated construction, architectural services, and renovation contingency costs (within the space programming document).

Attachment 9 contains itemized and/or detailed vendor quotes for the requested expenditures. As many quotes as possible were obtained; other estimated costs were provided by Mission Critical Partners based on its most recent grant work within the state and industry knowledge.

Attachment 10 contains a copy of the 2017-2018 approved budget.

28. Provide a budget narrative that briefly explains the reason for each requested budget item.

ARCHITECTURAL, RENOVATION, AND CONTINGENCY: $1,307,880

Architectural Design Services: Architects are the "professionals in the construction industry who represent the interests of the building owner."[4] Architects provide design options to maximize investments and are intimately familiar with building codes (local and international). The renovation process requires the expertise of structural, mechanical, electrical, and plumbing engineers who work with the architect to ensure the accuracy of the design. The renovation will ensure that the 911 center will be able to withstand natural and manmade events that harm, or have the potential to harm, the public and put lives at risk. The complexities of a mission-critical facility are vast, requiring redundancies and safeguards that may not be seen in a normal commercial building, such as redundant power sources and grounding. Architectural design services ensure all conditions are met.

Renovation Construction (911 and associated spaces only): The initial programming indicates that approximately 3,114 square feet are needed to support Greene County 911, which includes spaces for four workstations; support spaces, such as restrooms and kitchen; and office spaces. Costs include a contingency factor due to the preliminary nature of the project as well as an allowance for cost escalation, which has been seen in recent grant projects across the state. No 911 grant funds will be used to renovate other portions of the facility not identified within this grant.

[4] http://www.easternaianc.org/index.php/why-hire-architect/why-aia-architect/

Generator: Pursuant to 09 NCAC 06C.0210(b), "Primary and secondary power sources shall be determined by the PSAP including the following provisions: … (4) Secondary Power Source. (A) The secondary power source shall consist of one or more standby engine-driven generators. …" The request for a generator is to provide an independent and reliable power source in the event the primary power fails. This may be procured under the renovation contract, in which case the funds for this would transition into renovation costs.

Renovation Contingency: A 3 percent renovation contingency allowance is based on the estimated architectural and renovation costs.

TECHNOLOGY: $690,074.40

CAD System Infrastructure: Greene County 911 will continue to utilize Southern Software CAD. The licenses will transfer to the new facility, but there will be associated costs for hardware and program management for the transition.

Priority Dispatch ProQA: The use of nationally recognized EMD protocols provides for a standard level of service for all incoming calls.

Radio Consoles: Radio provides the foundation on which communications with first responders are built but is not an allowable expense for 911 funds. This provides for radio consoles to be used by the dispatchers to communicate with public safety personnel.

Network Infrastructure: Network infrastructure provides for servers, racks, cabling, switches, NetClock, storage, and other miscellaneous technological items.

Workstation Furniture and Chairs: New workstations and 24-hour chairs will be needed at the new facility.

PROFESSIONAL SERVICES: $387,521

Professional Consultant Services: Greene County intends to continue its relationship with Mission Critical Partners for the next three years for project management support and coordination of all project components, to include grant reporting, procurement support, coordination between vendors and vendor oversight, transition planning and implementation. This cost is the same as provided to Mitchell County in 2016 for a similar-sized facility project and procurements. Due to the complexity of the project, this fee is not subject to reduction based on the grant award as all components of the project remain the same, including technology procurements.

Note: As the technology costs are estimates only, it is the intent to have any awarded funds for technology as a singular fund, rather than specifically allocating "x" dollars to each requested

item. This will allow Greene County to use the funds in the best way possible to meet the goals and objectives of the grant. For example, if the estimate for a respective piece of technology in the grant application is less than the official procurement cost, the remaining funds will be used towards other technology costs—keeping with the intent of the grant.

29. If the project will have ongoing expenses, such as monthly or annual recurring charges, identify those expenses by line item including the projected costs and the specific sources for future/long-term funding and demonstrate how the project will be sustained in the future without additional 911 Grant Program funding.

Greene County 911 expects to incur monthly and/or annual recurring charges in amounts similar to today but realizes there may be some increases due to the third operating position. Recurring charges include maintenance contracts for the CAD system and other hardware. It is within Greene County's financial capabilities to continue to support these costs through 911 funds and general funds.

Attachment 11 contains a copy of the recurring expenses.

In a new facility, there will be recurring expenses for power, water, garbage collection, cable, HVAC, pest control, and any associated maintenance agreements. At this time, these costs are unknown. Greene County intends to cover these expenses through general funds.

The capital costs requested within this grant are anticipated to be costs incurred one-time or infrequently, with plans to begin accumulating funding for future upgrades or replacement through ongoing anticipated 911 surcharges and through inclusion in long-range capital investment planning. The recurring maintenance costs of the systems and facility are within the current or future revenue capacity of the County. 911 funds will continue to be used for eligible expenses.

30. Explain how your evaluation will measure the achievement of the goals and objectives identified in the Project Description with a timeline and milestones for meeting short, intermediate, and long term goals.

Upon a successful grant award, Greene County, in concert with Mission Critical Partners, the goals and objectives of the project will be reviewed, and adjustments made based on the awarded grant amount. For example, a reduced grant award may mean some changes to the technology, or programming changes to the facility. Upon concurrence of the objectives, a more definitive timeline will be established.

The overarching goal of this initiative is to renovate a portion of the National Guard Armory to serve as the primary PSAP for Greene County. The secondary goal of this initiative is to advance technologies to better prepare for NG911. These goals cannot be realized until the project itself is complete. However, steps along the path toward achieving this goal are identified as milestones.

Each of the goals and associated objectives, constraints and assumptions, risks, deliverables, and milestones will be documented in a project scope.

Short-term goals are those milestones to be accomplished within six months of receiving a fully executed grant contract, if the grant application is successful. Intermediate goals are those milestones to be accomplished between months 7 and 14. Long-term goals are those milestones to be accomplished in the last 12 months of the project. The preliminary (anticipated) timelines, particularly technology, will be further refined as the project progresses and short-term milestones are reached, such as selection of an architect. Additional milestones will be added as needed. A critical path schedule will be identified upon the initiation of individual tasks and will be monitored for alignment and impact on the overall project schedule.

Regular site visits will be conducted by the County and Mission Critical Partners to help assure the project remains on schedule. The project team will participate in the monthly construction meetings once they begin; this will help assure alignment with project expectations and goals, and to measure progress.

Monthly reports will be provided to the North Carolina 911 Board, to include an update on the milestones by reporting category: design, permit, construction, communications systems, and other activities. The measurement will be made by determining if respective tasks, activities and milestones were successfully completed in the anticipated timeframe. Interim reports will be produced as requested or if a risk is identified that will impact scope, schedule, and/or budget.

Mission Critical Partners will provide professional project management support and will work with the project committee and vendors to communicate and document expectations of the scope of work, budget, and timelines as contracted.

Any changes and additions to documented plans and schedules will be communicated to the key stakeholders throughout the project from planning, initiation, execution, monitoring and control, through completion and post-cutover acceptance activities.

31. Describe how evaluations will be conducted, including performance parameters which must be met in order to meet acceptance criteria.

Various stages of the project will require testing, whether it be during construction or technology implementation.

Renovations shall adhere to the latest version of the NC building codes, as well as those requirements from the NC 911 Board Rules, specifically 09 NCAC 06C .0210, *Public Safety Answering Point (PSAP) Facilities*, and .0402, *Grant for Construction or Renovation*. It is the architect's responsibility to ensure that the NC 911 Board requirements are included during the design phase. A copy of these rules will be provided to the architect during the kick-off meeting. Mission Critical Partners will review the respective design plans to ensure the criteria are met.

In addition, there are other standards that will be applicable during the design phase and, by extension, during the evaluation phase. Electrical shall be per National Fire Protection Association (NFPA), *National Electrical Code (NEC)* [NFPA 70]. Portions of NFPA 1221, *Standard for the Installation, Maintenance, and Use of Emergency Communications Systems*, shall be applicable. Grounding shall adhere to Motorola R56 standards. These standards will be referenced when reviews are conducted.

Greene County's local building inspector will be involved in inspections. The architect's contracted engineering firm and Mission Critical Partners' subject matter experts will conduct periodic reviews. Building commissioning will be conducted by the building inspector and professional engineering firm. Commissioning will be per accepted industry practice and requisite standards.

Telecommunications Industry Association (TIA) and BICSI standards will be followed for the information and communications technology (ICT) infrastructure and structured cabling, as appropriate.

Technology vendors will be expected to provide acceptance test plans for review and approval prior to actual testing and subsequent acceptance, when all tests have successfully been demonstrated or passed.

As a rule, state codes, national standards, and best practices will be followed throughout the design phase, renovation, commissioning, and acceptance of the facility itself and all associated technology.

32. Identify how data will be collected and presented.

Throughout the duration of the project, all documentation, including but not limited to, requests for qualifications (RFQs), architect proposals, schematic designs and associated revisions, construction bid documents, construction proposals, value engineering documents (if needed), monthly construction reports, technology requests for proposals (RFPs) and/or bids (RFBs), change orders, and all contracts will be collected in soft copy and hard copy (when applicable). All soft copies will be stored electronically in a shared project folder. Photographic documentation throughout the project build will also be filed. The shared file will be set up by project area, such as construction and technology, with appropriate sub-folders for ease of access.

The project architect will have overall responsibility for maintaining all programming and construction documents, as well as requests for information (RFIs) and responses. At facility acceptance, the contractor will provide a red-lined as-built set of construction documents to Greene County to be kept at the new facility. In addition, the contractor will provide both a bound hard copy and soft copies on USB drives of the operations and maintenance (O&M) manuals for all building systems.

Upon completion of testing acceptance for the various technologies, the test documentation indicating the systems perform as expected will be provided to the NC 911 Board in PDF format.

At the end of each month, a report will be prepared and submitted to the North Carolina 911 Board, in accordance with grant requirements, indicating the activities of the current month and anticipated activities for the upcoming month. Any issues, and resolutions if known at the time, will be documented in the monthly report as well.

At project closeout, Greene County will have a soft copy of all relevant final project documents for historical reference. This will also be available to the NC 911 Board if requested.

North Carolina 911 Board Grant Application

The 2019 Grant Application has been created in Microsoft Word for ease of completion. It is recommended that you download this application into Microsoft Word so that you may be able to enter, cut, paste and edit as needed. This application is NOT compatible with IPad, Apple products or apps. It requires 'Active X Interaction'.

There are no character limitations to the amount of data you can enter into a free text screen; once the visible field is full the data will begin to scroll. Do not submit an application until you are sure that you will not need to change it. Do not convert the application to a PDF format. Attachments must be submitted in either MS Word, MS Excel or Adobe pdf format and reference which question (ie: number) the attachment accompanies.

After an application is completed and submitted, it may NOT be modified by the applicant. If there are questions after the submission, the applicant will be required to contact and work with 911 Board staff to accomplish those modifications.

This is a competitive grant process. After the "General Information", there are 25 questions that must be answered by all applicants plus an additional 7 questions that must be completed for those agencies seeking a consolidation grant. Each of the 32 questions are weighted differently and scored. Scoring is based on the content of the answer to the question asked. Scoring is not based on the length of the answer.

Once completed, the application along with any accompanying documents must be emailed to 911comments@its.nc.gov . Applications will only be accepted via email. Any application received from the U.S. Postal Service, fax or other media will not be accepted. The deadline for filing is midnight, Friday June 15, 2018. If you have any questions, please contact Pokey Harris at pokey.harris@nc.gov or phone at 919-754-6621.

General Information

Project Title Halifax County 911 Regional Backup CenterN/

Grant Fiscal Year – 2019

Project Director Dia Denton

Project Contact Heather Joyner

Project Contact Title E-911 Communications Manager

Address 10 North King Street

Halifax, NC 27839

Phone 252-583-2390

Email joyneth@halifaxnc.com

Three types of grants are available, as described below. In the box following these descriptions, please select the Grant Type which most appropriately fits your request.

- **Consolidation** - A consolidation project involves combining one or more PSAPs with a primary PSAP with an integrated management structure that serves the same populations and jurisdictions previously served by offering grant funding for both PSAP costs authorized under G.S. 143B-1406(e) and costs not authorized under G.S. 143B-1406(e) to include construction costs.
- **Individual PSAP Enhancement/Replacement** - the relocation costs of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.
- **Regional Initiative Enhancement/Replacement** - Regional initiatives are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such initiatives comprise projects involving two or more primary PSAPs or a primary PSAP with approved secondary PSAPs. Costs of relocation of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.

Grant Type Regional Initiative Enhancement/Replacement

PSAP Name Halifax County Central Communications

1. ***Has the Revenue/Expenditure Report for FY17 been completed and approved by the NC 911 Board Fiscal staff for the applicant PSAP?***

NO

2. ***Has the applicant PSAP implemented a plan and secured the means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP (backup plan)?***

YES

3. ***If the answer to #2 above is NO, please explain in detail why the plan has not been implemented?***

   Click or tap here to add text

4, Has the North Carolina 911 Board been notified that backup plan has not been implemented?

[Select]

Project Description

Required for all grant types, this should be a thorough, concise, and complete description of the proposed project.

5. Please outline project goals and objectives.

Halifax County respectfully submits this grant request for a regional initiative to construct a new facility to serve as the primary PSAP for Halifax County and regional back-ups for Franklin and Warren counties, and to procure associated technology and infrastructure.There are numerous advantages to this initiative: additional space for Halifax County 911 operations, including a larger operations floor and much-needed office space; improved operational efficiencies for Franklin and Warren counties during times when they must operate from their back-up centers; streamlined information flow through the use of the same computer aided dispatch (CAD) system; improved situational awareness of activities; improved disaster response and recovery through enhanced relationships and a common operating picture; possible future reduction in maintenance costs through transitions to singular regional systems; and the ability to face technological and operational enhancements of Next Generation 911 (NG911) on a regional basis. A primary goal of this initiative is to provide a new emergency communications center within Halifax County to ensure increased efficiencies and coordination of communications and emergency response services with Franklin and Warren counties. Objectives are:1) Construct a new facility to house a Halifax County's 911 center, which has outgrown its current footprint and to serve as a regional back-up for both Franklin and Warren counties2) Design the facility to adhere to established rules for PSAP facilities, as stated within 09 NCAC 06C.0210, Public Safety Answering Point (PSAP) Facilities, and for the use of grant funds, as stated within 09 NCAC 06C.0400, including security, redundancy, and grounding3) Adhere, where practical, to standards for mission-critical facilities published by the Federal Emergency Management Agency (FEMA), the National Fire Protection Association (NFPA), and the National Emergency Number Association (NENA) 4) Conduct thorough system testing before facility acceptanceThere is always the potential for natural and man-made disasters to threaten 911 centers in North Carolina (NC), as evidenced by severe weather the last several years. There is no location on which a new facility could be sited that is completely immune to threats. In accordance with NC § 143B-1406(f)(5), "...a PSAP must have a plan and means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP ... The plan must identify the alternative capability of taking the redirected 911 calls." The NC 911 Board has stated in its operating standards that the back-up PSAP, when staffed, shall be capable of performing the emergency functions performed at the primary. The back-up PSAP shall be separated geographically from the primary PSAP at a distance that ensures the survivability of the alternate center. Both Franklin and Warren counties have back-up plans approved by the NC 911 Board. For Franklin County, 911 calls will be routed to Halifax County via toggle switch. Halifax County 911 will relay calls for service via a Voice Interoperability Plan for Emergency Responders (VIPER) talk group to be dispatched by Franklin County 911 via portable radio, console, or telephone as the situation dictates. Franklin County 911 has two back-up cases that each contain a laptop, portable radio, and a spare battery. The laptops are capable of connecting to the CAD server if it is operational; if not, the laptops have the capability to network and run the CAD software with a stand-alone database. Warren County 911 has a temporary back-up plan in place with Halifax County to provide call answering until Warren County personnel arrive at Halifax County 911. A new facility will provide a more-permanent home in the event it is needed.The second goal of this initiative is to improve service to citizens and the safety of emergency responders. Objectives are:1) Utilize the statewide call handling solution and Emergency Services Internet Protocol (IP) network (ESInet) 2) Implement radio communications infrastructure in the regional back-up center necessary to dispatch emergency call information to responders in Franklin and Warren counties, as well as Halifax County3) Align the new facility to continue to meet both technological and operational standards as set by the NC 911 Board, including 09 NCAC 06C .0206, Back-up PSAPs4) Share physical resources when possible5) Provide consistent, uninterrupted 911 service to the citizens of Franklin and Warren counties

during man-made or natural disastersThis regional initiative will improve communications and interoperability among the three 911 centers and improve situational awareness as the working relationships will be enhanced through this project.Halifax County envisions the new facility to be its "forever home," while Franklin and Warren counties desire to have the ability to function as they currently do in their centers while in their back-up. These desires are consistent with the goals and objectives established for this project. Due to how the responses appear in the grant application, a formatted Word version can be found in Attachment 14.

6. Please provide an implementation strategy and work plan, including a timeline.

The Halifax County 911 regional back-up initiative involves building a new 911 center to house 911 operations for Halifax County (primary) and associated office spaces and training space. The new 911 center will also provide back-up space for Franklin and Warren counties' 911 operations. In addition to new console workstations, there will be new CAD servers, workstations and monitors, a new logging recorder, and NetClock; additionally, the associated hardware and software for these critical PSAP systems will be procured. To maintain constant communications with first responders, new radio console equipment and server(s) will be procured.

While the new facility is under construction, each county will continue to operate as normal. Standard operating procedures (SOPs) will be developed that detail the responsibilities of the agencies when the new 911 center is operational as a back-up for either Franklin County or Warren County.

Technology and furnishings will be procured to coincide with substantial completion of the facility to ensure full warranties are available as near to cutover as possible. As will be noted in procurement documents, vendors will be responsible for acceptance testing with oversight from the County's consultant, Mission Critical Partners.

As this is a complex construction project due to the requirements for mission-critical facilities, especially security and grounding, with many moving parts, and many ancillary tasks, it is anticipated that construction will take 13 months, which will be dependent on the industry at the time of bidding. Overall, it is likely that this project will require no more than 36 months to complete the following:

1) Qualify and hire an architectural firm
2) Program and design building
3) Prepare construction bid documents
4) Bid construction project
5) Break ground and construct the new regional 911 center
6) Install redundant facility systems and security
7) Procure equipment for new facility
8) Install new technology and workstations
9) Integrate respective technology with Franklin County 911 and Warren County 911
10) Attain substantial completion of new facility
11) Commission the facility
12) Address any facility punch list issues
13) Obtain certificate of occupancy
14) Test and accept mission-critical technology
15) Transition Halifax County 911 staff to new facility
16) Conduct a back-up drill with Franklin County 911
17) Conduct a back-up drill with Warren County 911
18) Submit final documents to NC 911 Board
19) Close out the project

Throughout the project, Mission Critical Partners, on behalf of Halifax County, will submit required monthly reports to the NC 911 Board. The County will also participate in any training or workshops specifically targeted to grant recipients.

Attachment 1 contains high-level timelines of the milestones.

7. Please identify the interface or compatibility between existing equipment and/or software and that which you intend to purchase.

There are no anticipated interface or compatibility issues, although there are some differences in the technology currently in use in the three 911 centers.

Each county intends to participate in the statewide hosted call handling solution as well as the statewide ESInet. This in and of itself will eliminate many compatibility issues that could have arisen. If the statewide solution is not yet available in the region when construction begins in the summer-early fall 2019, Halifax County will be required to submit a reconsideration request for funding to implement infrastructure to support 911 call answering until such time as the statewide solution is available.

Taking advantage of these and other NG911 solutions will strengthen the back-up capabilities for Franklin County and Warren County, and place Halifax County in a good position to further expand its NG911 footprint.

Halifax County 911 currently uses a TriTech CAD solution; however, Franklin and Warren counties utilize Southern Software CAD. Halifax County 911 is transitioning to Southern Software CAD, which will allow Halifax County 911 to more effectively serve as a regional back-up and enhance the ability of all three 911 centers to provide a regional common operating picture for first responders. As part of the grant, the hardware will be refreshed for the new facility. The Southern Software CAD system supports IAED's ProQA software, National Crime Information Center (NCIC) / Division of Criminal Information (DCI) databases, as well as other interfaces, including integrated mapping. A single logging recorder solution will be used, which coupled with the hosted call handling could offer a seamless session for incident replay

Mapping capabilities will need to be updated to include surrounding counties. The transition to a single CAD system for the regional back-up will help assure that jurisdictional boundaries, road centerlines, and other geographic information system (GIS) layers imperative to 911 align.

The more popular mass notification systems are web-based; thus, utilizing different platforms will not create issues.

The biggest difference is the radio systems in use by agencies. Halifax County currently operates Harris Symphony radio consoles. Franklin County is currently upgrading its radio system to the Harris Symphony radio dispatch console platform, as well as performing other necessary system updates. The total cost of this project, much through NC 911 Board grant funds, exceeded $2.4 million. Warren County currently operates Motorola MCC 5500 radio consoles on the State's 800 megahertz (MHz) VIPER system and very high frequency (VHF) channels. Obviously, there are compatibility issues with the differing radio consoles, and it is not cost effective or efficient to install two radio consoles at the workstation positions. Mission Critical Partners, Halifax County's consultant, will work with the radio vendors and the project team to identify the most appropriate method or interface to ensure radio connectivity is established with Warren County first responders. The NC 911 Board will be informed of the solution once known.

Statement of Need

Required for all grant types, this statement should reference the relationship of the grant project to NCGS §143b-1407(b) and the current funding priorities established by the Grant Policy and Procedures and include evidence of any financial need.

8. The North Carolina Department of Commerce annually ranks the state's 100 counties based on economic well-being and assigns each a Tier designation. The 40 most distressed counties are designated as Tier 1, the next 40 as Tier 2 and the 20 least distressed as Tier 3. Please indicate your PSAP or group of PSAPs tier ranking based on the NC Department of Commerce 2018 Tier Designation

Tier 1

9. Please identify funding priorities, their impact on operational services, and consequences of not receiving funding.

NCGS § 143B-1406(d)[1], Fund distribution to PSAPs, Use of Funds, delineates what 911 funds can be used for; construction costs are not allowable. As this is the primary funding priority, 911 funds cannot be used, and if they were allowable, funding still would not support it. In addition, Grant funding is necessary to make this project a

[1] http://www.ncleg.net/enactedlegislation/statutes/html/bychapter/chapter_143b.html

reality.

The first funding priority is the design and construction of a facility to serve as the primary PSAP for Halifax County and as a back-up for both Franklin and Warren counties. Halifax County 911 has outgrown its allotted space and is cramped and in need of more office space. Franklin County has a "make-shift" back-up plan in place but no paging capabilities when in back-up mode. Warren County has a temporary back-up plan in place with Halifax County. Halifax County 911 shares breakroom and restroom facilities with other County employees. Additional space is needed to support the growth of administrative support personnel by Halifax County and the support infrastructure that a regional back-up center will require.

The second funding priorities are communications technology-related: radio communications and other operational technologies (including workstations). Technology is and will continue to be a key component to the success of any 911 operation. Each technology system in use in a 911 center provides a critical lifesaving function to support emergency response. As noted previously, the agencies operate disparate radio consoles. In concert with the counties, this will be addressed by Mission Critical Partners with the radio vendor(s) to determine the best course of action. In the fall of 2017, Halifax County contracted an assessment of its 400-foot radio tower. The tower does not meet the current standards and is over-loaded. A new tower is likely needed to provide appropriate mounting locations for control station antennas as well as auxiliary communications services (ACS) equipment. The tower will provide additional vertical spacing between antennas, minimizing interference. Obviously, radio system equipment is a necessity for communications with first responders. Without this equipment, public safety is jeopardized. However, Halifax County recognizes the cost of a new tower is likely cost-prohibitive for this grant application. Franklin County has indicated that it has a 300-foot tower that can be disassembled and re-erected in Halifax County, which could lessen the load on the current tower as well as provide room for new control station antennas. This is the route Halifax County intends to pursue first. However, if the tower does not meet standards and cannot be strengthened if it were to be re-erected, Halifax County will need to pursue additional grant funds to ensure a successful outcome for the project.

The three 911 centers intend to utilize the statewide hosted call handling solution, reducing costs to the counties; if the solution is not available as construction is underway, Halifax County will have to ask for reconsideration funding to implement the infrastructure for 911 calls. Halifax County plans to transition to Southern Software CAD system, already in use by Franklin and Warren counties. Monitors will be needed for each workstation position, as well as servers. A new logging recorder will be needed with sufficient channels to record all necessary phone lines and radio channels, and that provides geofence search capabilities and enhanced reporting and call evaluation functions, instant recall, advanced analytics, and flexible archive capabilities. This will position Halifax County to be able to record different media types when the 911 center begins to accept new technologies. Workstation furniture and durable chairs designed for 24-hours a day use will also be needed.

The approved 911 fund balance for Halifax County as of June 30, 2017 was $484,995.93. Of this, $436,300 has been appropriated towards the upfitting of the County's back-up center. This leaves an available amount of $48,696. While these funds can b used for eligible expenses, including telecommunicator furniture and dispatch equipment, as noted in NCGS § 143B-1406(d), the funds are not sufficient to equip a new 911 center and maintain the amount allowable by legislation.

Without grant funding, Halifax County cannot build an appropriately sized facility to serve as its primary PSAP and provide space to serve as a regional back-up center for Franklin and Warren counties. While some of the technology is an allowable expense for 911 funds, the current funds are not sufficient to cover all the costs, still maintain current systems and retain the allowable percentage for emergencies. As noted earlier, the primary priority is construction of a new facility, which is not allowable.

10. Please provide a copy of your PSAP's long-term or strategic technology plan and

identify how the project fits within it.

Halifax County follows the NC 911 Board's best practices for technology replacement. During the time leading up to transition to the new facility, Halifax County will continue to maintain its equipment as in the past. 911 fund balances, and the use of general funds when necessary, will continue to support the respective strategic plans for CAD, mapping, logging recorders, and the 911 telephony systems and networks. All equipment and systems in the new 911 center will be new. This will ensure that all systems and equipment are maintained appropriately, and that funding is available when needed. Critical systems in the strategic plan include the following: CAD system with mapping Logging recorder Radio consoles Attachment 2 contains the strategic plan for Halifax County.

11. Please identify the likelihood of completing the project utilizing your 911 fund balance and the percentage of grant funding being requested in relation to total project costs.

Halifax County and Warren County both have a Tier 1 designation, the most distressed in the state. Halifax County is the second most economically distressed county in the state, while Warren County is nineteenth. Halifax and Warren counties were fourth and thirtieth, respectively, in 2017.[2] In Halifax County and Warren County, the percentage of persons living in poverty is 27 percent and 26.4 percent, respectively, higher than the North Carolina average of 15.4 percent. Franklin County, with a Tier 2 designation, has a 15.3 percentage of persons living in poverty.

Halifax County's fund balances, even with some support from Franklin and Warren counties, is insufficient to fund the new PSAP facility to serve as a regional back-up for Franklin and Warren for two reasons: the overall cost of the project and the fact that construction is not an allowable expense.

Construction and outfitting of the facility and other related capital costs not covered by 911 funds will be based upon appropriations made at the County Commissioners' discretion. It is unknown at this time whether the County will need to incur additional debt to fund other aspects of this project.

The current 911 fund balances will continue to be applied to eligible costs. Halifax County will have an estimated fund balance on June 30, 2018, of approximately $17,000. Franklin and Warren counties have estimated 911 fund balances of $176,455.52 and $251,000, respectively.

Attachment 3 contains the year-to-date budget report for Halifax County.

Without significant support from the NC 911 Board, it is unlikely that this project will move forward. Collectively, however, any fund balances not already encumbered, excluding the allowable retainage, will be used towards eligible expenses needed to support this initiative.

The estimated cost of this project for the grant request is $8,716,182.04. Requested funding is $8,500,000. This requested amount represents approximately 97.5 percent of the project costs. The requested funding covers those non-eligible costs that cannot be funded through 911 funds. Halifax County is contributing the land to this project, which has an estimated value of $50,000. (Attachments 4 and 5)

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[2] https://www.nccommerce.com/Portals/0/Incentives/CountyTier/2018-Tiers-memo.pdf

Regional Initiative Enhancement/Replacement

Required for all Regional Initiative Enhancement/Replacement project types. Regional initiative enhancement/replacement projects are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such projects may involve two or more primary PSAPs.

12. What is the relationship of participating PSAPs to the initiative? Provide MOUs between PSAPs identifying each participant PSAP's responsibilities to the project.

Halifax County plans to construct a new primary PSAP, which will also provide sufficient space to serve as a back-up PSAP for Warren and Franklin counties. Both Franklin and Warren counties intend to cooperate in this effort, both through the planning process, procurements, and testing, and, upon facility completion, back-up utilization and training opportunities.

Warren and Franklin counties fully support Halifax County's application for a grant from the NC 911 Board, and the establishment and maintenance of the proposed Halifax County primary PSAP as a regional back-up PSAP, as evidenced by the signed joint resolution and interlocal agreement. (Attachments 6 and 7, respectively)

Barring any unforeseen geotechnical issues, Halifax County intends to locate the new 911 center on a 5-acre site at 356 Ferrell Lane in Halifax. Being good stewards of potential grant funding, the PSAP will house 12 console workstations; 5 of which will be available for use by Franklin and Warren counties, which is less than the 9 positions between the two. While it is unlikely that both Franklin and Warren counties will need to evacuate their PSAPs simultaneously, should this occur, Halifax County will relocate to its current back-up PSAP at 536 Jackson Street in Roanoke Rapids; allowing Franklin and Warren counties to occupy the new center for as long as necessary. If all three agencies need to occupy the new 911 center at the same time, the agencies will work together to best accommodate the needs of all involved, which may mean each center reducing their usually staffed positions, for example, to allow 5 positions for Halifax County, 5 positions for Franklin County, and 2 positions for Warren County. While this may not be ideal, it indicates the cooperative nature of the agencies involved in the regional initiative.

13. Identify intended collaborative efforts between participating PSAPs.

Each county will share in the costs of future technology upgrades or maintenance in equipment or facilities related to technology changes for NG911 implementation. Such sharing of costs is intended to save costs for each county as new

technological solutions for emergency call management are adopted and implemented. The basis for allocating the share of such future costs will be established from time to time per the signed ILAs; each governing board will be required to approve the cost sharing.

Halifax County will make the 911 center available for Franklin County's or Warren County's training activities periodically throughout the year, at a maximum of once per quarter.

The 911 directors/managers will meet, at a minimum, on a semi-annual basis. The directors have authority to establish (and modify from time to time) policies and procedures needed to successfully operate the Halifax County 911 facility as Franklin and Warren counties' back-up 911 center.

The counties will cooperate with local, state and federal agencies in order to maximize interoperability and economies of scale, grant-funding, and other means to reduce costs for equipment and operations. The 911 directors/managers will develop uniform standards for a multi-jurisdictional CAD system with expandable ports for multiple interfaces such as Records Management System (RMS), Fire reporting, EMS reporting and message switching for mobile data terminals or other data-sharing interfaces.

The parties may engage in cooperative purchasing activities, including, but not limited to, the use of state contracts when it is in all parties' best interest.

14. Identify how resource sharing will take place.

In the event either Franklin County or Warren County needs to evacuate their respective facility, Halifax County 911 will provide call answering and dispatch services until personnel from the respective 911 center arrive. Personnel will be cross-trained in applicable call answering scenarios to ensure citizens receive the same level of service to which they are accustomed.

The 911 centers can establish training that is appropriate for the capabilities afforded by a regional back-up, allowing staff to be cross-trained to operate from Halifax County 911 in a seamless manner. The regional back-up and cooperative environment established through this effort can provide an avenue to increase call processing capabilities during extreme or unusual operating conditions, without increasing authorized and budgeted staffing levels within each 911 center.

Equipment and furnishings necessary for receiving 911 calls at Halifax County 911, including any hardware and software needed for CAD, 911 call handling, radio consoles, dispatch furniture, data networks, and other mechanical, technical or facility systems required to make the facility functional will be the property of Halifax County, available for use by Franklin and Warren counties when the Halifax County 911 center is serving in a back-up capacity.

15. Indicate how the initiative impacts the operational or strategic plans of the participating agencies.

Halifax County 911 follows best practices provided by the NC 911 Board for equipment replacement and refresh, as do Franklin and Warren counties. All equipment and systems in the new 911 center will be new. This will ensure that all systems and equipment are maintained appropriately, and that funding is available when needed. Participating in this regional initiative reduces the amount of equipment and infrastructure that would be needed to outfit Franklin and Warren counties' back-up PSAPs if a regional approach was not taken, as resource sharing can and will occur.

This regional back-up initiative also provides Franklin and Warren counties a more permanent back-up solution per 09 NCAC 06C .0206, *Back-up PSAPs*.

This initiative also provides a basis for other collaboration in the future, perhaps reducing future maintenance costs by consolidation of systems, such as a regional CAD system. There is also the possibility of singular training opportunities to enhance skills for all telecommunicators, thereby reducing individual costs to the respective 911 center.

NOTE: *The following section on "Consolidation Project Plan" is ONLY required if your type of grant is a "Consolidation". If your project IS NOT a Consolidation, proceed to question # 23 to complete the grant application.*

16. Indicate how a consolidation would take place and improve service
Click or tap here to enter text.

17. Indicate how the consolidated PSAP should be organized and staffed
Click or tap here to enter text.

18. Indicate what services the consolidated PSAP should perform
Click or tap here to enter text.

19. Indicate how consolidated PSAP policies should be made and changed
Click or tap here to enter text.

20. Indicate how the consolidated PSAP should be funded exclusive of grant funding
Click or tap here to enter text.

21. Indicate what changes or improvements should be made to inter-communications among the local governments participating in the consolidation in order to better support operations.

Click or tap here to enter text.

22. Discuss sustainability of the consolidation project during the proposed term of the project, and for the foreseeable future.

Click or tap here to enter text.

FINANCIAL DATA

23. Current 911 Fund Balance

The audited fund balance of as June 30, 2017, was $484,995.93. Of this, $436,300 has been appropriated towards the upfitting of the County's back-up center.

24. Estimated June 30, 2017 911 Fund Balance

$17,000 is the estimated fund balance for June 30, 2018.

25. Amount Requested

$8,500,000

26. Total Project Cost

$8,716,182.04

Budget and Budget Narrative

A budget and budget narrative must be supplied for all types of projects, as well as a copy of the applicant agency's approved FY 2016 PSAP budget.

27. List by line item planned expenditures

In alignment with the project goals and objectives, grant funds are requested for the planned expenditures listed below.

- Architectural Design Services
- Facility Construction, including generator, automatic transfer switch, and manual transfer switch
- Construction Contingency
- Third-party Testing Services
- Audiovisual
- CAD System
- Priority Dispatch ProQA
- Logging Recorder
- Radio Consoles
- Workstation Furniture and Chairs
- Professional Consultant Services

Attachment 8 contains the estimated construction, architectural services, and construction contingency costs.

Attachment 9 contains itemized and/or detailed vendor quotes for the requested expenditures. Many quotes were obtained; other estimated costs were provided by Mission Critical Partners based on its most recent grant work and industry knowledge.

Attachment 10 contains a copy of Halifax County's 2017-2018 PSAP budget.

28. Provide a budget narrative that briefly explains the reason for each requested budget item.

ARCHITECTURAL SERVICES, CONSTRUCTION, AND CONTINGENCY: $6,056,937.64

Architectural Design Services: Architects are the "professionals in the construction industry who represent the interests of the building owner."[3] Architects provide design options to maximize investments and are intimately familiar with building codes (local and international). The design process requires the expertise of mechanical, electrical, and plumbing engineers who work with the architect to ensure the accuracy of the design. With a hardened facility, this is infinitely more important. The new facility will be a mission-critical facility that must withstand natural and manmade events that harm, or have the potential to harm, the public and put lives at risk; hence the facility will be hardened to withstand disasters. The complexities of a mission-critical facility are vast, requiring redundancies and safeguards that may not be seen in a normal commercial building, such as redundant power sources and grounding. Architectural design services ensure all conditions are met.

Facility Construction (911 and associated spaces only): Currently Halifax County 911 has outgrown its footprint within the County building, and Franklin and Warren counties are in need of a permanent back-up solution. The initial programming provides space for 12 workstations; support spaces, such as restrooms and kitchen; and office spaces. Costs include a 3 percent contingency factor due to the preliminary nature of the project. As the NC 911 Board is aware, construction costs have escalated rapidly in the last few years. This is primarily due to the rise in construction projects, shortage in workforce, and yearly inflation on labor and materials. As such, the facility has been costed out higher than in past years.

Generator: Pursuant to 09 NCAC 06C.0210(b), "Primary and secondary power sources shall be determined by the PSAP including the following provisions: ... (4) Secondary Power Source. (A) The secondary power source shall consist of one or more standby engine-driven generators. ..." The request for a generator is to provide an independent and reliable power source in the event the primary power fails. It is anticipated that this will fall under the construction contract, but it may be cost effective to procure separately.

Construction Contingency: A construction contingency has been allowed for based on the estimated architectural and construction costs. This will be used for items such as change orders, testing services, and diesel fuel to fill the generator.

Third-party Testing Services: Third-party testing services are necessary to ensure adherence to project specifications, such as testing of soils and concrete mixtures, and soil compactions. As this is to verify the contractor's adherence to specifications, this is a cost over and above the construction costs. This will be covered by the construction contingency.

TECHNOLOGY AND CONTINGENCY: $2,187,104.40

Audiovisual: A/V includes monitors for the administrative offices and a video wall for the 911 center. These provide for situational awareness of current events as well as the status of incoming calls. Closed-circuit camera feeds will also be viewed on the monitors. Control equipment will have the ability to display information throughout the building as needed.

CAD System: Currently Franklin and Warren counties use Southern Software CAD. Halifax County intends to transition to Southern Software. The CAD systems will continue to interface with IAED's ProQA software and NCIC/DCI.

Priority Dispatch ProQA: The use of nationally recognized protocols provides for a standard level of service for all

[3] http://www.easternaianc.org/index.php/why-hire-architect/why-aia-architect/

incoming calls. Additional licenses are necessary for the regional back-up center.

Logging Recorder: A new logging recorder will be needed to capture phone and radio communications, as well as screen captures. It is anticipated that the system will provide geofence search capabilities and enhanced reporting and call evaluation functions, instant recall, advanced analytics, and flexible archive capabilities. The ability to seamlessly integrate the client environment from each county with the regional logging recorder will be a benefit to the users.

Radio Consoles: Radio provides the foundation on which communications with first responders are built but is not an allowable expense for 911 funds. This provides for radio consoles to be used by dispatchers to communicate with public safety personnel.

Network Infrastructure: Network infrastructure provides for servers, racks, cabling, switches, NetClock, storage, and other miscellaneous technological items.

Workstation Furniture and Chairs: New workstations and 24-hour chairs will be needed at the new facility.

Furniture, Fixture, and Chairs: Office furniture and tables and chairs for the conference room and multi-purpose room are needed.

PROFESSIONAL SUPPORT: $472,140

Professional Consultant Services: Halifax County intends to continue its relationship with Mission Critical Partners for project management support and coordination of all project components, to include grant reporting, procurement support, coordination between vendors and vendor oversight, transition planning and implementation. This cost is the same as provided to Richmond County in 2015 for a similar-sized facility and procurements. Due to the complexity of the project, this fee is not subject to reduction based on the grant award as all components of the project remain the same, including technology procurements.

Note: As the technology costs are estimates only, it is the intent to have any awarded funds for technology as a singular fund, rather than specifically allocating "x" dollars to each requested item. This will allow Halifax County to use the funds in the best way possible to meet the goals and objectives of the grant. For example, if the estimate for a respective piece of technology in the grant application is less than the official procurement cost, the remaining funds will be used towards other technology costs--keeping with the intent of the grant.

Note: In order to keep costs down, the construction contingency, which is usually 10 percent, has been lowered to 3 percent, and the technology contingency, also 10 percent, has been removed completely.

29. If the project will have ongoing expenses, such as monthly or annual recurring charges, identify those expenses by line item including the projected costs and the specific sources for future/long-term funding and demonstrate how the project will be sustained in the future without additional 911 Grant Program funding.

Halifax County, Franklin County, and Warren County currently incur monthly and/or annual recurring charges; these charges will continue. Recurring charges include maintenance contracts for the CAD system and other hardware.

Attachment 11 contains Halifax County's recurring expenses.

In a new facility, there will be recurring expenses for power, water, garbage collection, cable, HVAC, pest control, and any associated maintenance agreements. These costs are likely to increase as this will be a stand-alone facility for

Halifax County 911, whereas currently, the 911 center is in a County building. While the costs for these items are unknown, Halifax County has anticipated this and is able to cover the expenses through general funds. There will be some offset when Franklin County and/or Warren County use the facility as a back-up center.

Halifax County will be fully responsible for the operational cost of the facility. An average daily operational cost (to include utility and facility maintenance costs) will be determined annually by Halifax County and appropriately documented for Franklin and Warren counties. For the first year of operation, $50 will be used as the average daily operational cost. Franklin and Warren counties will compensate Halifax County for the use of the facility during a disaster situation and for planned or unplanned service outages on a per diem basis for each 24-hour period of use, excluding the first 24-hour period. The per diem amount will be a pro-rata portion of the average daily operational costs based upon the number of workstations actually used by all agencies.

The capital costs requested within this grant are anticipated to be costs incurred one-time or infrequently, with plans to begin accumulating funding for future upgrades or replacement through ongoing anticipated 911 surcharges and through inclusion in long-range capital investment planning. The recurring maintenance costs of the systems and facility are within the current or future revenue capacity of the counties. 911 funds will continue to be used for eligible expenses.

Evaluation

All applications must include evaluation information. The final report shall include an evaluation demonstrating that the equipment or services funded by the grant have been purchased, installed/implemented, and are performing as expected.

30. Explain how your evaluation will measure the achievement of the goals and objectives identified in the Project Description with a timeline and milestones for meeting short, intermediate, and long term goals.

Upon a successful grant award and acceptance by the County, Halifax County, in concert with Franklin and Warren counties, will establish a project team of key stakeholders. With assistance from Mission Critical Partners, the goals and objectives of the project will be reviewed, and adjustments made based on the awarded grant amount. For example, a reduced grant award may mean some changes to the technology, or programming changes to the facility. Upon concurrence of the objectives, a more definitive timeline will be established.

A primary goal of this initiative is to provide a new PSAP for Halifax County, which will serve as a regional back-up location for both Franklin and Warren counties. A second goal of this initiative is to improve service to citizens and the safety of emergency responders by utilizing the same call handling solution and CAD system among the three agencies. These goals cannot be realized until the project itself is complete. However, steps along the path toward achieving this goal are identified as milestones.

Each of the goals and associated objectives, constraints and assumptions, risks, deliverables, and milestones will be documented in a project scope that is agreed to by the project team.

The preliminary timeline, provided as Attachment 1, identifies the current milestones that will be tracked. Short-term goals are those milestones to be accomplished within six months of receiving a fully executed grant contract, if the grant application is successful. Intermediate goals are those milestones to be accomplished between months 7 and 18. Long-term goals are those milestones to be accomplished in the last 18 months of the project. The preliminary (anticipated) timelines, particularly technology, will be further refined as the project progresses and short-term milestones are reached, such as selection of an architect. Additional milestones will be added as needed. A critical path schedule will be identified upon the initiation of individual tasks and will be monitored for alignment and impact on the overall project schedule.

Regular site visits will be conducted by the project team and Mission Critical Partners to help assure the project remains on schedule. The project team will participate in the monthly construction meetings once they begin; this will help assure alignment with project expectations and goals, and to measure progress.

Monthly reports will be provided to the NC 911 Board, to include an update on the milestones by reporting category: design, permit, construction, communications systems, and other activities. The measurement will be made by determining if respective tasks, activities and milestones were successfully completed in the anticipated timeframe. Interim reports will be produced as requested or if a risk is identified that will impact scope, schedule, and/or budget.

Mission Critical Partners will provide professional project management support and will work with the project committee and vendors to communicate and document expectations of the scope of work, budget, and timelines as contracted.

Any changes and additions to documented plans and schedules will be communicated to the key stakeholders throughout the project from planning, initiation, execution, monitoring and control, through completion and post-cutover acceptance activities.

31. Describe in detail how evaluations will be conducted, including performance parameters which must be met in order to meet acceptance criteria.

Various stages of the project will require testing, whether it be during construction or technology implementation.

A third-party testing firm will be contracted to perform testing throughout the project as required, including a geotechnical assessment and concrete strength tests. The soils will need to be suitable for building a mission-critical facility. The concrete strength tests will ensure the concrete meets specified requirements.

Construction shall adhere to the latest version of the NC building codes, as well as those requirements from the NC

911 Board Rules, specifically 09 NCAC 06C .0210, *Public Safety Answering Point (PSAP) Facilities*, and .0402, *Grant for Construction or Renovation*. It is the architect's responsibility to ensure that the NC 911 Board requirements are considered and included during the design phase. A copy of these rules will be provided to the architect during the kick-off meeting. Mission Critical Partners will review the respective design plans to ensure the criteria are met.

In addition, there are other standards that will be applicable during the design phase and, by extension, during the evaluation phase. Electrical shall be per National Fire Protection Association (NFPA), *National Electrical Code (NEC)* [NFPA 70]. Portions of NFPA 1221, *Standard for the Installation, Maintenance, and Use of Emergency Communications Systems*, shall be applicable. Grounding shall adhere to Motorola R56 standards. These standards will be referenced when reviews are conducted.

Halifax County's local building inspector and the fire marshal will be involved in inspections. The architect's contracted engineering firm and Mission Critical Partners' subject matter experts will conduct periodic reviews. Building commissioning will be conducted by the building inspector and professional engineering firm, witnessed by the counties, if desired, and Mission Critical Partners. Commissioning will be per accepted industry practice and requisite standards.

Telecommunications Industry Association (TIA) and BICSI standards will be followed for the information and communications technology (ICT) infrastructure and structured cabling, as appropriate.

Technology vendors will be expected to provide acceptance test plans for review and approval by Mission Critical Partners and the counties prior to actual testing and subsequent acceptance, when all tests have successfully been demonstrated or passed. The acceptance tests will be witnessed by Mission Critical Partners.

As a rule, state codes, national standards, and best practices will be followed throughout the design, construction, commissioning, and acceptance of the facility itself and all associated technology.

32. Identify how data will be collected and presented

Throughout the duration of the project, all documentation, including but not limited to, requests for qualifications (RFQs), architect proposals, schematic designs and associated revisions, construction bid documents, construction proposals, value engineering documents (if needed), monthly construction reports, technology requests for proposals (RFPs) and/or bids (RFBs), change orders, and all contracts will be collected in soft copy and hard copy (when applicable). All soft copies will be stored electronically in a shared project folder maintained by Mission Critical Partners, Halifax County's consultant and project manager. Photographic documentation throughout the project build will also be filed. The shared file will be set up by project area, such as construction and technology, with appropriate sub-folders for ease of access.

The project architect will have overall responsibility for maintaining all programming and construction documents, as well as requests for information (RFIs) and responses. Mission Critical Partners will have access to the documents. At facility acceptance, the contractor will provide a red-lined as-built set of construction documents to Halifax County to be kept at the new facility. In addition, the contractor will provide both a bound hard copy and soft copies on USB drives of the operations and maintenance (O&M) manuals for all building systems.

Upon completion of testing acceptance for the various technologies, the test documentation indicating the systems perform as expected will be provided to the NC 911 Board in PDF format.

At the end of each month, a report will be prepared and submitted to the NC 911 Board, in accordance with grant requirements, indicating the activities of the current month and anticipated activities for the upcoming month. Any issues, and resolutions if known at the time, will be documented in the monthly report as well.

At project closeout, Mission Critical Partners will ensure Halifax County as a soft copy of all relevant final project documents for historical reference. This will also be available to the NC 911 Board if requested.

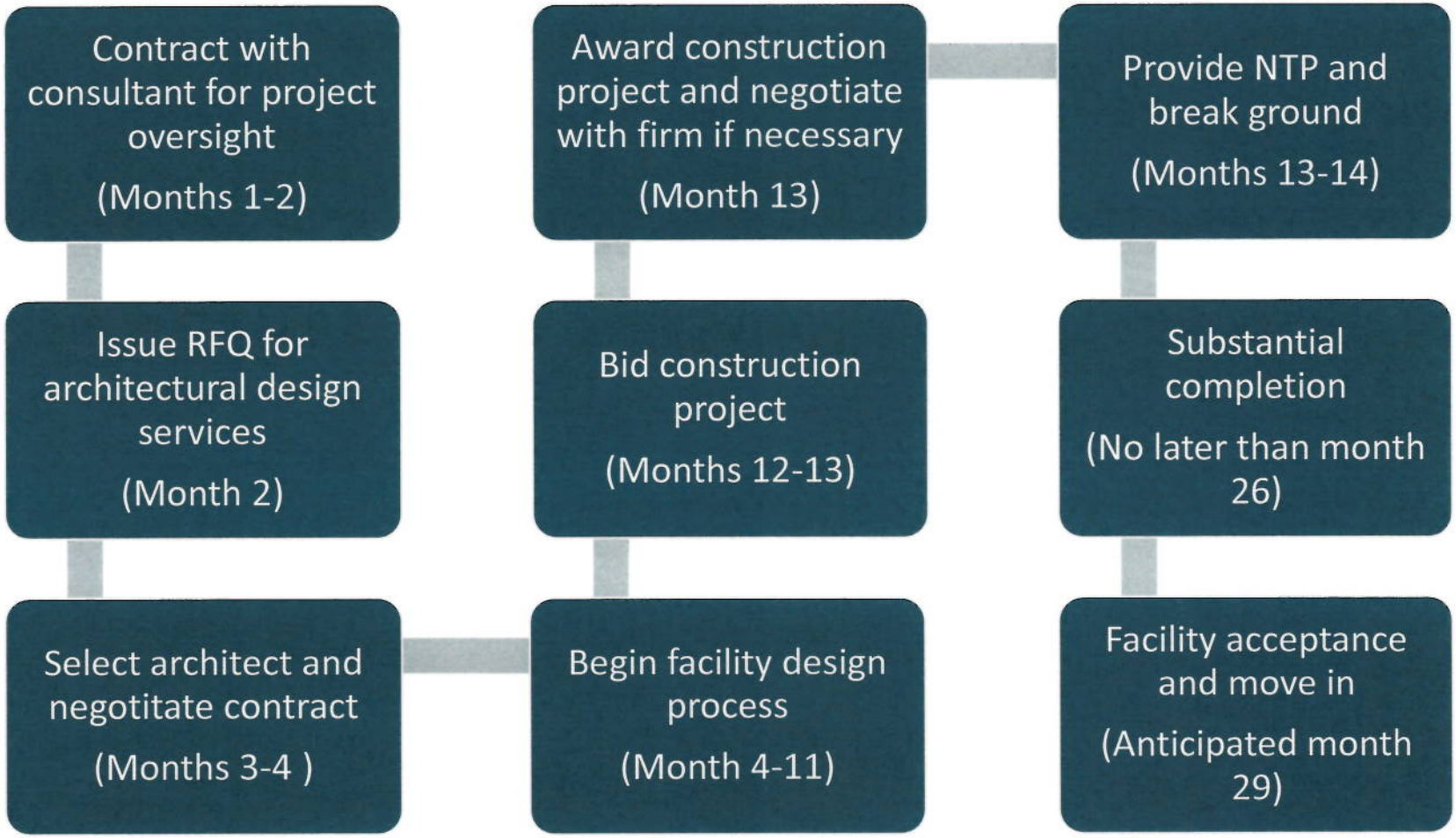
Once you are satisfied with your application, please email the completed application along with all attachments to 911comments@its.nc.gov The deadline for filing is midnight, Friday, June 15, 2018. **NO APPLICATIONS WILL BE ACCEPTED AFTER THAT DATE**

Once you have submitted the application including all necessary attachments, you will receive a reply email within 24 hours advising you that the grant application has been received. If you **DO NOT** receive the confirmation email within 24 hours, please contact Pokey Harris *pokey.harris@nc.gov* or call 919-754-6621

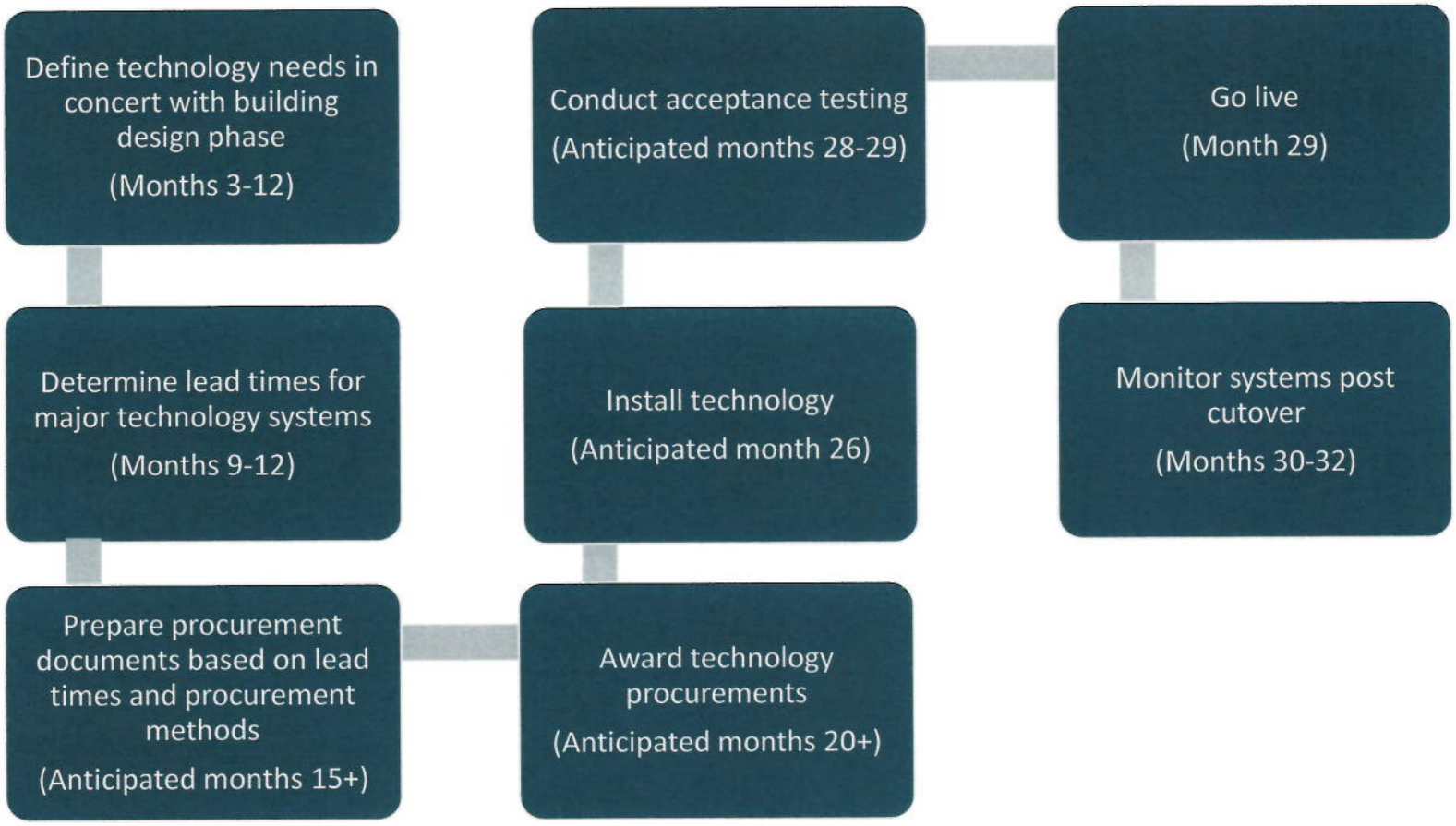
Attachment 1 — Timelines with Milestones — can be found on the following pages.

This attachment pertains to questions 6 and 30.

Construction



Technology


Define technology needs in concert with building design phase
(Months 3-12)
Determine lead times for major technology systems
(Months 9-12)
Prepare procurement documents based on lead times and procurement methods
(Anticipated months 15+)
Award technology procurements
(Anticipated months 20+)
Install technology
(Anticipated month 26)
Conduct acceptance testing
(Anticipated months 28-29)
Go live
(Month 29)
Monitor systems post cutover
(Months 30-32)

Attachment 2 — Halifax County Strategic Plan — can be found on the following pages.

This attachment pertains to question 10.

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Halifax County E-911 Central Communications
5-Year Strategic / Technology Plan

MISSION

The mission of Halifax County E-911 Central Communications is to provide timely, efficient, and convenient access to public safety services for the citizens of the County, those visiting, of those passing through while ensuring the safety of the responder community.

PLANNING FOR PERFORMANCE

Halifax County E-911 Central Communications is committed to using a strategic planning process as both a public education tool as well as to inform our employees, internal and external partners, and the community for our long-term goals and initiatives for maintaining a successful organization.

The process includes:

1. Raising agency and County-wide awareness of the Communications Center and its operations.
2. Creating employee driven planning and review groups. Dispatch steering, employee selection and training, and technology review.
3. Enforcing and ensuring continued compliance with the agency's mission statement as well as developing a vision statement.
4. Utilizing existing staff strengths to determine areas for improvement.
5. Develop strategic goals and plans to obtain.

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HALIFAX COUNTY COMMUNICATIONS STRATEGIC OBJECTIVES

The following strategic objectives represent the steps necessary for Halifax County Communications to continue to be a leading 911 Center in the State of North Carolina, as well as to seek opportunities for improvement.

Mission and Customer:

- Deliver excellent 911 and administrative/routine public safety services
- Ensure adequate staffing, training, and emergency preparedness through increased redundancy (backup center) and more focused hiring processes.

Business Processes:

- Ensure compliance with all national and state 911 call taking standards
- Continue to promote 911 and public safety communications awareness through continued use of the media, social media, word-of-mouth, attendance at responder training events, and scheduled public visits.

Empowerment, Learning, and Growth:

- Provide employees with training opportunities and career development
- Promote professional departmental culture
- Delegate certain administrative and quality assurance duties to seasoned staff to provide ownership of quality initiative and 911 center overall.

Finance and Resources:

- Actively recruit and maintain a highly motivated and trained workforce
- Utilize agency resources efficiently and responsibly
- Seek appropriate and eligible alternative funding resources to provide high quality technology and other equipment inside of the 911 center.

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PLAN TIMELINE

2018:

- Train (2) staff members as Quality Assurance Members to ensure compliance with EMD protocol and standards
- Form Dispatch Review and Steering Committees and begin meeting on pre-established schedule
- Attend EMS peer review with "floor level" Telecommunicator to provide ownership of call quality standards
- Complete backup center for going live with backup operations and support
- Begin and complete edit and revision of Telecommunicators' Standard Operating Guidelines Handbook; convert paper copies to electronic versions available through webmail app or work station desktop icon.

2019/2020:

- Continue to cross-train staff in an effort to ensure redundancy and continuity of operations
- Develop a continuity of operations plan to include proposed backup 911 center and/or finalize Memorandums of Understanding with neighboring counties to ensure compliance with statutorily required backup plan/regional center
- Develop standardized training plan for all new employees and train 4 staff members as Communications Training Officers (CTO)
- Attend demonstrations and obtain quotes and funding for CAD reset/upgrade
- Obtain 2 additional seats/workstations in Communications Center to accommodate all available staff in the event of an emergency (2 full time staff, 1 part time member, cross-trained Addressing Coordinator, Manager)

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2020/2021:

- Promote existing staff member to Assistant Director (if position approved by County Manager and Board of Commissioners) to better obtain and maintain objectives previously set forth

- Develop stress and health awareness training exclusive to Communications Staff in an effort to reduce sick time and address issues unique to 911 dispatchers (i.e. sleep, stress, family issues)

- Develop classroom training for new employees to include unusual occurrences, use of technology, and daily operations

2022:

- Seek funding for radio/CAD/Telephone upgrade to include text/video/social media reporting to 911; continue research on NextGen 911

- Develop partnerships with neighboring Counties to freely and easily handle call overload or assist with major incidents through advancements in technology

- Adjust staffing and equipment/technology needs to concur with current population and call for service shifts

Attachment 3 — Halifax County Budget Report — can be found on the following page.

This attachment pertains to question 11.

FOR 2018 13

ACCOUNTS FOR: 113 EMERGENCY TELEPHONE SYSTEM	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1134444 EMERGENCY TELEPHONE SYSTEM							
1134444 449006 WIRELESS FUNDING	-314,531	0	-314,531	-262,108.90	.00	-52,422.10	83.3%*
1134444 483100 INTEREST EARNED	0	0	0	-2,498.26	.00	2,498.26	100.0%
1134444 483903 MISCELLANEOUS REVEN	0	0	0	-61.76	.00	61.76	100.0%
1134444 499100 FUND BALANCE	-415,500	-20,800	-436,300	.00	.00	-436,300.00	.0%*
TOTAL EMERGENCY TELEPHONE SYSTEM	-730,031	-20,800	-750,831	-264,668.92	.00	-486,162.08	35.3%
1135394 EMERGENCY TELEPHONE SYSTEM							
1135394 529000 OTHER SUPP & MAT	10,000	0	10,000	4,257.59	637.90	5,104.51	49.0%
1135394 532100 TELEPHONE	55,000	15,000	70,000	58,333.14	7,494.20	4,172.66	94.0%
1135394 539500 EMPLOYEE TRAINING	35,000	-15,000	20,000	7,756.36	6,328.39	5,915.25	70.4%
1135394 544000 SERVICE CONTRACTS	155,000	2,600	157,600	142,957.32	13,742.29	900.39	99.4%
TOTAL EMERGENCY TELEPHONE SYSTEM	255,000	2,600	257,600	213,304.41	28,202.78	16,092.81	93.8%
1139450 CAPITAL OUTLAY-EM TEL SYSTEM							
1139450 535200 MAINT & REP EQUIPME	30,000	0	30,000	10,653.70	13,118.45	6,227.85	79.2%
1139450 555000 INV EQUIPMENT-CA	415,501	18,200	433,701	16,324.13	2,398.87	414,978.00	4.3%
1139450 555001 TOOLS & EQUIPMENT	29,530	0	29,530	7,475.85	.00	22,054.15	25.3%
TOTAL CAPITAL OUTLAY-EM TEL SYSTEM	475,031	18,200	493,231	34,453.68	15,517.32	443,260.00	10.1%
TOTAL EMERGENCY TELEPHONE SYSTEM	0	0	0	-16,910.83	43,720.10	-26,809.27	100.0%
TOTAL REVENUES	-730,031	-20,800	-750,831	-264,668.92	.00	-486,162.08	
TOTAL EXPENSES	730,031	20,800	750,831	247,758.09	43,720.10	459,352.81	

FOR 2018 13

	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
GRAND TOTAL	0	0	0	-16,910.83	43,720.10	-26,809.27	100.0%

** END OF REPORT - Generated by Mary Ann Duncan **

Attachment 4 — Land Allocation — can be found on the following pages.

This attachment pertains to question 11.

CERTIFICATION OF CERTAIN PROCEEDING
OF THE HALIFAX COUNTY BOARD OF COMMISSIONERS

A regular meeting of the Board of Commissioners for the County of Halifax, North Carolina, was held in the Commissioners' Meeting Room on the Second Floor of the Historic Courthouse on King Street, in Halifax, North Carolina, the regular place of meeting, at 5:30 P.M. on February 19, 2018.

Present: Chairman Vernon J. Bryant, presiding, and Commissioners J. Rives Manning, Jr., Carolyn C. Johnson, Linda A. Brewer, Marcelle O. Smith and T. Patrick Qualls.

Absent: None.

Under Item 1.C on the agenda, Heather Joyner, Halifax County Central Communications Manager, addressed the Board concerning a request to specifically allocate a portion of land located on Ferrell Lane, Halifax, North Carolina, as the site for proposed new primary public safety answering point (PSAP) for Halifax County, which will also serve as a back-up PSAP for Warren County and Franklin County. This land is already owned by Halifax County. The proposed site is just northwest of the Halifax County Agriculture Complex, and is shown on the attached aerial map entitled "Proposed Location – Halifax County E-911 Central".

Thereupon, upon consideration of the request and upon motion of Commissioner Qualls, seconded by Commissioner Smith, the Board approved the requested allocation of a portion of county-owned land as the site for the proposed new primary public safety answering point for Halifax County. The motion was approved by the unanimous vote.

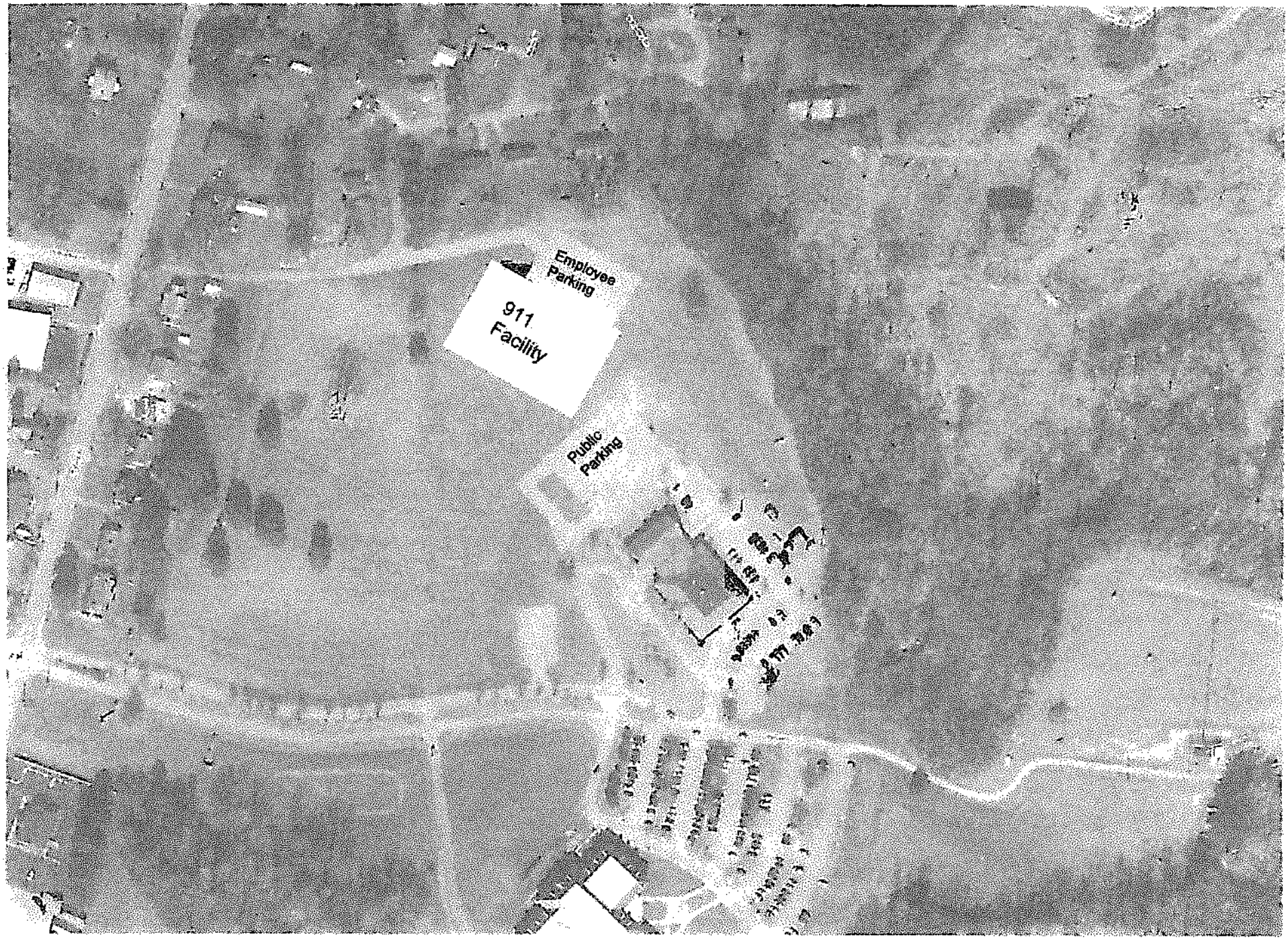
* * * * *

I, Andrea H. Wiggins, Clerk to the Board of Commissioners for the County of Halifax, North Carolina, DO HEREBY CERTIFY that the foregoing is a true copy of so much of the proceedings of said Board at a regular meeting held on February 19, 2018, as relates in any way to the matters described therein and that said proceedings will be recorded in minutes of the Board.

I HEREBY FURTHER CERTIFY that notice of said meeting was duly given in accordance with G.S. §143-318.12.

WITNESS my hand and the corporate seal of said County, this 31st day of May, 2018.

Andrea H. Wiggins
Clerk to the Board of Commissioners



N

1 inch = 50 feet

Proposed Location - Halifax County E-911 Central



Attachment 5 — Land Value Estimate — can be found on the following page.

This attachment pertains to question 11.

Halifax County Tax Department

Post Office Box 68
357 Ferrell Lane
Halifax, NC 27839
Phone: (252) 583-2121
Fax: (252) 583-9311

Doris B. Hawkins, Tax Coordinator/Collector
hawkinsd@halifaxnc.com

C. Shane Lynch, Tax Assessor
lynchc@halifaxnc.com

Mr. Tony Brown, Halifax County Manager
P. O. Box 38
Halifax, NC 27839

June 7, 2018

Dear Mr. Brown:

This letter serves as the estimated assessed value notice for a 5 acre Primary Site located within the 73.07 acre land parcel 0601165 owned by Halifax County Government in Halifax, NC.

For the proposed new primary public safety answering point (PSAP) facility for Halifax County the value estimate of this land area (5 acres) will serve as part of the county's "in kind" contribution to the cost of this project.

The estimate of value for five (5) acres is assessed at $50,000 ($10,000 per acre).

Please feel free to contact me if I can assist you further with this project.

Sincerely,

C. Shane Lynch

C. Shane Lynch
Halifax County Tax Assessor

Attachment 6 — Joint Resolution — can be found on the following pages.

This attachment pertains to question 12.

RESOLUTION SUPPORTING THE APPLICATION FOR A GRANT
FROM THE NORTH CAROLINA 911 BOARD
and
ADOPTION OF AN INTERLOCAL AGREEMENT
BETWEEN HALIFAX COUNTY, WARREN COUNTY AND FRANKLIN COUNTY
REGARDING THE HALIFAX COUNTY PUBLIC SAFETY ANSWERING POINT AND
REGIONAL BACK-UP 911 CENTER

WHEREAS, Halifax County, Franklin County and Warren County currently operate Public Safety Answering Points ("PSAPs") providing service and answering 911 calls in their respective jurisdictions; and

WHEREAS, the current PSAPs providing service and answering 911 calls for Halifax County, Franklin County, and Warren County are handled through a system financed, in part, from 911 surcharge funds provided by the North Carolina 911 Board under G.S. 143B-1417; and

WHEREAS, the North Carolina 911 Board will soon commence its PSAP Grant Program; and

WHEREAS, Halifax County intends to apply for funding through the PSAP Grant Program for the relocation of its primary PSAP; and

WHEREAS, under NC General Statutes 143B-1417, the State of North Carolina requires a PSAP to have a plan and means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP; and

WHEREAS, through the PSAP Grant Program application referenced above, Halifax County intends to apply for grant funding to provide relocation of its primary PSAP and to provide back-up PSAP service for Franklin and Warren Counties on a regional basis; and

WHEREAS, the Halifax County Board of Commissioners, Franklin County Board of Commissioners and the Warren County Board of Commissioners support the regional effort to cooperatively provide for the primary PSAP needs of Halifax, and the back-up PSAP needs of Franklin and Warren Counties, in a cost-effective way; and

WHEREAS, by this Resolution, the Halifax County Board of Commissioners, Franklin County Board of Commissioners and the Warren County Board of Commissioners intend to authorize and to support a Halifax County application for grant funding under the PSAP Grant Program adopted by the North Carolina 911 Board; and

WHEREAS, pursuant to G.S. 160A-461 any unit of local government and any one or more other units of local government may enter into contracts or agreements with each other in order to execute any undertaking; and

WHEREAS, Halifax County, Franklin County and Warren County propose to enter into that certain "Interlocal Agreement Between Halifax County, Warren County and Franklin

County Regarding the Halifax County Public Safety Answering Point and Regional Back-up 911 Center", a copy of which is has been presented to each Board prior to the adoption of this Resolution;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of Halifax County, Franklin County and Warren County, each being a government body located in North Carolina, that individually and jointly each of the governmental bodies expresses its support for the relocation of the Halifax County PSAP and Regional Back-up 911 Center; and

BE IT FURTHER RESOLVED by the Board of Commissioners of Halifax County, Franklin County and Warren County, that each of the governmental bodies:

- Expresses its support for the provision of a single regional PSAP utilizing the proposed Halifax County PSAP and Regional Back-up 911 Center as the primary PSAP for Halifax County and the back-up PSAP for Warren County and Franklin County; and

-Agree to participate with each other in the support and use of the proposed Halifax County PSAP and Regional Back-up 911 Center in the manner set forth in the aforementioned interlocal agreement; and

-Authorizes and supports the application for a grant under the PSAP Grant Program from the North Carolina 911 Board when the applications for funding become available; and

-Agrees that to facilitate the application and granting process, the application shall be submitted, and any grant funds received shall be administered with Halifax County acting as the lead agency for such purposes; and

BE IT FURTHER RESOLVED by the Board of Commissioners of Halifax County, Franklin County and Warren County, that they do each hereby authorize the execution of the aforementioned interlocal agreement by their respective Chairpersons and any other county officials or staff deemed necessary.

This Resolution is adopted by each of the governmental bodies set out below, executed in counterparts pursuant to authority duly given by official action of the governing body on the date indicated below.

[This space is intentionally blank. Signatures follow]

Halifax County Signature Page

RESOLUTION SUPPORTING THE APPLICATION FOR A GRANT
FROM NORTH CAROLINA 911 BOARD
and
ADOPTION OF AN INTERLOCAL AGREEMENT
BETWEEN HALIFAX COUNTY, WARREN COUNTY AND FRANKLIN COUNTY
REGARDING THE HALIFAX COUNTY PUBLIC SAFETY ANSWERING POINT AND
REGIONAL BACK-UP 911 CENTER

HALIFAX COUNTY BOARD OF COMMISSIONERS

By: _____ Date: 6-4-15
Chairperson

Attest:

_____ [Seal]
County Clerk

STATE OF NORTH CAROLINA
COMMISSION
HALIFAX COUNTY

Franklin County Signature Page

RESOLUTION SUPPORTING THE APPLICATION FOR A GRANT
FROM NORTH CAROLINA 911 BOARD
and
ADOPTION OF AN INTERLOCAL AGREEMENT
BETWEEN HALIFAX COUNTY, WARREN COUNTY AND FRANKLIN COUNTY
REGARDING THE HALIFAX COUNTY PUBLIC SAFETY ANSWERING POINT AND
REGIONAL BACK-UP 911 CENTER

FRANKLIN COUNTY BOARD OF COMMISSIONERS

By: _____ Date: 6/4/2018
Chairperson

Attest:

_____
County Clerk

Warren County Signature Page

RESOLUTION SUPPORTING THE APPLICATION FOR A GRANT
FROM NORTH CAROLINA 911 BOARD
and
ADOPTION OF AN INTERLOCAL AGREEMENT
BETWEEN HALIFAX COUNTY, WARREN COUNTY AND FRANKLIN COUNTY
REGARDING THE HALIFAX COUNTY PUBLIC SAFETY ANSWERING POINT AND
REGIONAL BACK-UP 911 CENTER

WARREN COUNTY BOARD OF COMMISSIONERS

By: Vivian Hunt
Chairperson

Date: 6/4/18

Attest:

County Clerk

Attachment 7 — Interlocal Agreement — can be found on the following pages.

This attachment pertains to question 12.

INTERLOCAL AGREEMENT BETWEEN
HALIFAX COUNTY, WARREN COUNTY AND FRANKLIN COUNTY
REGARDING THE HALIFAX COUNTY PUBLIC SAFETY ANSWERING POINT
AND REGIONAL BACK-UP 911 CENTER

This Agreement, made and entered into by and between Halifax County ("Halifax"), Warren County ("Warren") and Franklin County ("Franklin"), collectively referred to as the "Participating Counties" or "Participants", and individually as a "Participating County" or "Participant";

WITNESSETH:

WHEREAS, the Participating Counties are "unit(s) of local government" as that term is defined by G.S. 160A-460(1); and

WHEREAS, Part 1 of Article 20 of Chapter 160A of the North Carolina General Statutes authorizes units of local government to enter into interlocal agreements in order to execute any "undertaking" as that term is defined by G.S. 160A-460(2); and

WHEREAS, under the N.C. Constitution and pursuant to G.S. 153A-233 and G.S. 153A-250, the Participating Counties are authorized to provide and support law enforcement, fire and EMS services; and

WHEREAS, in order to effectively support law enforcement, fire and emergency medical services, the Participating Counties believe it is necessary and desirable to also provide for and support central emergency communications services for the dispatch of law enforcement, fire and emergency medical services; and

WHEREAS, pursuant to G.S. 143-517 all counties are required to ensure that emergency medical services are provided to their citizens; and

WHEREAS, pursuant to 10A NCAC 13P.0201(a)(10) all counties are required to provide an EMS communications system that meets the requirements set forth in that regulation, other regulations and statutes; and

WHEREAS, the Participating Counties currently operate and support Primary Public Safety Answering Points (Primary PSAPs) in their respective jurisdictions in order to provide the required communications system and to support law enforcement, fire and emergency medical services; and

WHEREAS, pursuant to 09 NCAC 06C.0206, entities that operate Primary PSAPs are required to establish Back-up PSAPs or have an arrangement for Back-up to ensure the continuity of services and

WHEREAS, Halifax is contemplating the construction of a new Primary PSAP which will also provide sufficient space to serve as a Back-up PSAP for Warren and Franklin; and

WHEREAS, the Participating Counties desire to cooperate in an effort whereby Halifax will provide a Back-up PSAP for Warren and Franklin; and

WHEREAS, it is proposed that the Halifax County primary PSAP be relocated to a five acre site now owned by Halifax and located at 356 Ferrell Lane, Halifax, North Carolina, to be known as the "Halifax County Public Safety Answering Point and Regional Back-up 911 Center" ("Halifax County PSAP and Regional Back-up 911 Center)"; and

WHEREAS, it is proposed that the new Halifax County primary PSAP will also be the back-up PSAP for Warren and Franklin; and

WHEREAS, Halifax will continue to use its current back-up PSAP at 536 Jackson Street, Roanoke Rapids, North Carolina, as its back-up PSAP; and

WHEREAS, Halifax is making application to the North Carolina 911 Board for financial assistance with the construction of the proposed Halifax County primary PSAP, and has engaged the services of Mission Critical Partners to assist with the grant application; and

WHEREAS, Warren and Franklin fully support Halifax's application for financial assistance from the NC 911 Board, and the establishment and maintenance of the proposed Halifax County primary PSAP as a regional Public Safety Answering Point (regional PSAP), to be hereafter known as the "Halifax County PSAP and Regional Back-up 911 Center "; and

WHEREAS, the establishment of a regional PSAP will provide improved law enforcement, fire and emergency medical service communications within the boundaries of Halifax County and provide state-of-the-art back-up law enforcement, fire and emergency medical service communications for Warren County and Franklin County, together with such other jurisdictions as the Participating Counties may hereafter agree to admit by majority approval; and

WHEREAS, the establishment and maintenance of a regional PSAP will be of substantial benefit to the citizens of the Participating Counties and the public in general;

NOW THEREFORE, as an exercise of the powers and authority granted by the Constitution and laws of the State of North Carolina, and in consideration of the premises stated above and the mutual terms, covenants and conditions set forth herein, it is hereby agreed and covenanted among the undersigned Participating Counties as follows:

1. PURPOSE.

This Agreement regarding the Halifax County PSAP and Regional Back-up 911 Center is adopted by the Participating Counties for the following purposes and organizational objectives:

1.1 To promote the health, safety and general welfare of the citizens throughout Halifax, Warren and Franklin Counties. To that end, the parties will continually improve

procedural efficiency and technical capabilities of emergency call-taking, emergency call processing, and all emergency response communications.

1.2 To design and build a secure, sustainable and hardened regional facility.

1.3 To include redundant and diverse systems to maximize fault-tolerance and resiliency.

1.4 To help prepare the Participating Counties for Next Generation 9-1-1 technologies.

1.5 To provide a new, state-of-the-art primary PSAP for Halifax County.

1.6 To provide a new, state-of-the-art back-up PSAP for Warren and Franklin Counties.

2. DEFINITIONS.

As used in this Agreement the following words and phrases shall have the meanings indicated unless the context clearly requires otherwise:

2.1 "PSAP" (Public Safety Answering Point) shall mean the facility housing the equipment and personnel that provide 9-1-1 call answering, processing and dispatching services.

2.2 "9-1-1 Services" shall mean those services and equipment to answer 9-1-1 calls on a 24-hours-per-day basis.

2.3 "Other Services" shall mean services related to emergency service or jurisdictional communications provision, such as administrative call-taking.

2.4 "Participating Counties" or "Participants" shall mean the parties to this Agreement and such other entities as become parties in the future.

2.5 "Facility" shall mean the Halifax County PSAP and Regional Back-up 911 Center.

2.6 "Service Outage" means a technical, mechanical or building failure, or any other circumstance during which a Participant cannot receive 911 calls, deliver radio transmissions or is otherwise hindered from their ability to complete critical PSAP functions at its Primary PSAP.

2.7 "Disaster Situation" refers to any event necessitating a Participant's evacuation of its Primary PSAP for a period of time such that the Participant is unable to receive 911 calls, deliver radio transmissions or is otherwise hindered in its ability to complete critical PSAP functions at its Primary PSAP. Such events may include, but are not limited to, fire, flood or other weather-related destruction, or attack on the building which houses the Participant's Primary PSAP.

3. HALIFAX COUNTY CENTRAL COMMUNICATIONS.

The parties agree that Halifax County, through operational funding as established in Section 9, will operate and maintain the Facility. Halifax County will provide important and necessary services such as facilities maintenance, budget/finance, legal services, risk management and procurement.

4. PROGRAMMING AND CONSTRUCTION OF FACILITY.

4.1 Halifax County will pursue a grant from the NC 911 Board for the construction and equipment of the Facility. Construction or renovation of the Regional PSAP and other related capital costs not covered by 9-1-1 grant / fees will be funded by appropriations made at the discretion of the Halifax County Board of Commissioners.

4.2 The Facility will include at least the following:

(1) dispatch area,
(2) Director and supervisor administrative offices, technology specialist offices, clerical office space,
(3) radio/recording/CAD/9-1-1 technology equipment rooms, mechanical rooms,
(4) storage for inventory, supplies and records,
(5) locker room,
(6) bathroom/shower facilities,
(7) kitchen,
(8) lunch/break room,
(9) training area, and
(10) multi-purpose classroom/conference room.

4.3 Halifax County agrees that its current back-up PSAP at 536 Jackson Street, Roanoke Rapids, NC, will continue as Halifax's back-up PSAP in the event that the Halifax County Central Communications employees must evacuate the Facility. This will not preclude Halifax County from utilizing its Jackson Street site for other purposes, with the understanding that this space will be secured, maintained, accessible and activated as needed for use as an alternate/back-up/overflow site for the Halifax County primary PSAP.

5.0 FUNDING.

5.1 Capital. Capital costs will include start-up costs associated with building & equipping the Facility, to include such things as programming, designing and constructing the facility, Computer Aided Dispatch (CAD) for multi-jurisdictional use, Dispatch Center furnishings & equipment not funded through 9-1-1 surcharge, in-building circuitry, grounding, HVAC (heating, ventilation and air conditioning), electrical, cable pathways, cabling for radio, CAD, customer premise equipment (CPE), local area network (LAN) and future networks, systems networking & connection needs (911 & other phone lines, radio, CAD, NCIC) to the Facility, with built-in redundancy.

Halifax County will pursue a grant from the NC 911 Board for the construction and equipment of the Facility, with such additional funding for capital costs as may be authorized by the Halifax County Board of Commissioners.

5.2 Operational. Halifax County will be fully responsible for the operational cost of the Facility. An average daily operational cost (to include utility and facility maintenance costs) will be determined annually by Halifax and appropriately documented for Warren and Franklin. This will be determined by April 1st of each year based upon actual operational costs for the prior calendar year. This determination of average daily operational cost shall not require the acceptance or approval of any governing board of the Participating Counties. For the first year of operation, $50 will be used as the "average daily operational cost".

5.3 Grant Funding Contingency. If Halifax does not receive grant funding from the NC 911 Board, or if the level of grant funding received from the NC 911 Board is not sufficient, when combined with additional funds available to Halifax, to construct and equip the Facility as contemplated under Subsection 5.1, then Halifax may unilaterally terminate this Agreement without charge, penalty or compensation to either Warren or Franklin. The sufficiency of funding shall be in the sole discretion of Halifax. Provided, the execution of a grant agreement with the NC 911 Board shall preclude Halifax from asserting the insufficiency of funding for the construction and equipping of the Facility.

6.0 EQUIPMENT.

6.1 Equipment and furnishings necessary for receiving 911 calls at the Facility, including any hardware and software needed for CAD (as noted in 6.2), 911 call handling, radio consoles, dispatch furniture, data networks, and other mechanical, technical or facility systems required to make the facility functional shall be procured by Halifax County and remain the property of Halifax County. Each Participating County will be responsible for the purchase and maintenance of any equipment required to provide radio frequency or wireline connectivity to radio transmitters within their respective jurisdictions. This includes any microwave links, antennas, or other radio frequency technology that may be necessary to provide acceptable communications with responders in the Participants coverage area. The parties may engage in cooperative purchasing activities, including but not limited to use of state contracts.

6.2 The Participating Counties will cooperate with local, state and federal agencies in order to maximize interoperability and economies of scale, grant-funding, and other means to reduce costs for equipment and operations. The Participating Counties' PSAP Managers/Directors will develop uniform standards for a multi-jurisdictional Computer Aided Dispatch (CAD) system with expandable ports for multiple interfaces such as Records Management System (RMS), Fire Reporting, EMS Reporting and message switching for MDTs or other data-sharing interfaces. Each Participating County will be responsible for purchasing and maintaining its own records/data management module and related CAD interface. Access to internal CAD information via the internet may also be an option, and will be funded by each Participating County. All Participating Counties, including those electing not to purchase separate modules and interfaces, will have access to their call counts and calls for service CAD data upon request.

7. USE OF THE FACILITY BY WARREN AND FRANKLIN; COMPENSATION.

7.1 Franklin and Warren may use the Facility upon occurrence of a Service Outage or Disaster Situation (as defined above) in either county's PSAP until such time as the Service Outage or Disaster Situation is no longer in effect.

7.2 Franklin and Warren may use the Facility for (i) planned Service Outages at its PSAP caused by equipment or service upgrades; and (ii) planned training activities by Franklin or Warren PSAP staff.

7.3 Franklin and Warren will coordinate with Halifax regarding their respective use of the Facility in the event of a planned Service Outage, or for their respective training activities at the Facility. Halifax will make the Facility available for Franklin or Warren training activities periodically throughout the year, at a maximum of once per quarter. Such training activities shall not require the use of the entire Facility and shall not interfere with Halifax's ordinary business functions at the Facility.

7.4 Franklin and Warren will be responsible for ensuring that their respective 911 emergency services equipment and technology can be installed and used at the Facility. Each time either makes use of the Facility, they will transfer their incoming emergency calls to the Facility, where Halifax staff will receive and direct the calls until such time as their staff arrive at the Facility. Provided, if Halifax staff receive and direct calls for more than two hours, Halifax will be compensated for the cost of its personnel after the first two hours based upon the number of Halifax personnel that are needed to continue answering the Participating County's calls.

7.5 Other than items identified in 6.1, Franklin and Warren can install any equipment or technology required to use the Facility as their Back-up PSAP. Upon termination of this Agreement, they will remove all equipment it installed, except for that equipment or technology that has become so merged with the Halifax equipment or technology as to make it impractical or feasible to remove. Halifax will compensate Franklin or Warren for such items at a mutually agreed upon rate.

7.6 Franklin and Warren will compensate Halifax for the use of the Facility during a Disaster Situation, and for planned or unplanned Service Outages on a per diem basis for each 24 hour period of use, excluding the first 24 hour period. The per diem amount will be a pro-rata portion of the average daily operational costs (see Section 5.2) based upon the number of call stations actually used by all Participants during the back-up use period. No compensation will be required for use of the Facility for training activities.

8. JOINT PLANNING; FUTURE TECHNOLOGY; COOPERATION.

8.1 Each Participating County will be responsible for the configuration of its software applications at the Facility and will adhere to any cyber security and network configuration policies enacted by Halifax. Each Participating County will ensure that it is fully compliant with any software application agreements to which it is a party.

8.2 The Participating Counties will share in the costs of future technology upgrades or maintenance in equipment or facilities related to technology changes for Next Generation 911 implementation. Such sharing of costs for technology upgrades and maintenance is intended to save costs for all Participants as they adopt new technological solutions for emergency call management. The basis for allocating the share of such future costs will be established from time to time under the policies and procedures discussed in Subsection 8.3 of this Agreement, and will require approval of each governing board.

8.3 The Halifax, Franklin and Warren PSAP Managers/Directors or their designees (the "Directors") will meet, at a minimum, on a semi-annual basis. The Directors shall have authority to establish (and modify from time to time) policies and procedures needed to successfully operate the Facility as Franklin's and Warren's back-up PSAP. The Directors shall not have the authority to establish or amend policies and procedures affecting cost associated with the terms of this Agreement without prior approval from their respective governing bodies.

8.4 Employees of the Participating Counties will at all times, and for all purposes, remain employees of their respective agencies while engaged in the activities contemplated under this Agreement.

9. DURATION OF AGREEMENT; WITHDRAWAL.

The initial term of this Agreement shall be for a period of fifteen (15) years from the date hereof and thereafter shall be automatically extended for consecutive five (5) year periods unless earlier terminated. Notwithstanding anything in this Agreement to the contrary, any Participating County may withdraw from this Agreement with twelve (12) months advanced written notice of such withdrawal to the other Participating Counties. Such withdrawal shall take effect only as of the beginning of the next succeeding fiscal year, unless otherwise agreed between the Participating Counties. (By way of example and not in limitation, if notice of withdrawal is delivered later than the end of business on June 30 of a given year, the Agreement shall continue in effect until the end of the following fiscal year. Thus, if notice is delivered June 30, 2020, then withdrawal is effective June 30, 2021. If notice given on July 1, 2020, or later, then withdrawal is effective on June 30, 2022.)

10. LIABILITY FOR GRANT REPAYMENT.

Warren and Franklin acknowledge that if Halifax obtains a grant from the NC 911 Board for the construction and equipment of the Facility, the grant agreement will contain provisions requiring grant repayment upon dissolution or discontinuation of the regional back-up arrangement between the Participating Counties (i.e., this Agreement). Accordingly, Warren and Franklin agree that if either unilaterally terminates or withdraws from this Agreement and such termination or withdrawal results in a grant repayment penalty to Halifax, the terminating Participant will reimburse, save and hold harmless Halifax from any grant repayment penalty.

Further, the Participating Counties will commit no action or omission in violation of the North Carolina 911 Board grant agreement[s] referenced herein. Should any such violation occur, the Participant[s] responsible for such violation will reimburse, save and hold harmless the other Participant[s] from any grant repayment penalty.

11. INSURANCE COVERAGES.

Each of the Participating Counties will be responsible for maintaining property damage insurance for damage or loss of their own property located in the Facility. In addition, each of the Participating Counties will maintain current, valid insurance policies meeting the requirements identified below for the duration of this Agreement. Upon request, certificates of insurance will be provided to the requesting Participant. There shall be a thirty (30) day notification to the County in the event of cancellation, modification of coverage, or erosion of aggregate limits of any stipulated insurance coverage.

The limits of liability of all insurance required herein shall be as follows:

Coverage	Limits of Liability
Worker's Compensation	Statutory
Bodily Injury Liability (Except Automobile)	$1,000,000 each occurrence $1,000,000 aggregate
Property Damage Liability (Except Auto)	$1,000,000 each occurrence $1,000,000 aggregate
Automobile Bodily Injury Liability	$1,000,000 each person
Automobile Property Damage	$1,000,000 each occurrence
Excess Umbrella Liability	$2,000,000 each occurrence

12. COMMUNICATION AND POINTS OF CONTACT.

To provide consistent and effective communication between the parties, each party shall appoint a principal representative(s) to serve as a central point of contact responsible for coordinating and implementing the Agreement, as follows:

For Halifax County:

Heather Joyner
Halifax County Communications Manager
P.O. Box 667
10 N. King St.
Halifax, NC 27839
Ph: 252-678-3788
Email: joynerh@halifaxnc.com

For Franklin County:

Christy Shearin, Director
Franklin County Emergency Communications
287 T Kemp Rd
Louisburg, NC 27549
Office – (919) 340-4377
Cell – (919) 291-9420
Email: cshearin@franklincountync.us

For Warren County:

Venicia Harris, E911 Coordinator
Warren Co Sheriff's Office
P. O. Box 678
Warrenton, NC 27859
Office: 252-257-3456
Email: veniciaharris@warrencountync.gov

13. ADMISSION OF NEW JURISDICTIONS.

Additional jurisdictions may become participants by written addendum to this Agreement, with the approval of the majority of Participating Counties, upon such terms and conditions as agreed upon.

14. MEDIATION.

Any controversy between the Participating Counties with regard to the application or interpretation of this Agreement may be submitted for mediation. Upon failure of mediation, each party reserves all rights and remedies otherwise available under North Carolina law.

15. RESPONSIBILITY FOR LOSS; INDEMNIFICATION.

As to the activities contemplated under this Agreement, each Participating County agrees to be responsible and assume the risk of liability for its own wrongful and/or negligent acts or omissions, or those of its officers, agents, or employees to the extent that liability exists, and will indemnify, defend, save and hold harmless the other Participating Counties against claims of injury to persons or property resulting from the intentional misconduct or negligence of their respective officers or employees, including cost and reasonable attorneys' fees associated with defending such claims.

16. AMENDMENTS.

This Agreement may be amended from time to time by mutual agreement adopted in the same manner prescribed for the adoption of this Agreement under Article 20, Chapter 160A of the N.C. General Statutes.

17. SEVERABILITY.

Should any part of the Agreement be determined by a court of competent jurisdiction to be invalid, illegal or against public policy, said offending section shall be void and of no effect, and shall not render any other section herein, nor this Agreement as a whole, invalid. Those rights and obligations under this Agreement, which by their nature should survive, shall remain in effect after termination, suspension or expiration hereof.

18. EXECUTION.

Each of the Participating Counties acknowledges that this Agreement was adopted by resolution of its county Board of Commissioners as required under Article 20, Chapter 160A of the N.C. General Statutes, and pre-audited by its Finance Director at or prior to such execution. This Agreement shall be deemed adopted upon the date of execution by the last authorized representative. Each party to this Agreement shall sign a separate signature page which will constitute valid execution.

19. ENTIRE AGREEMENT.

This document encompasses the entire Agreement of the members. No understanding or amendment, addendum, or addition to this Agreement shall be effective unless made in writing and signed by all members.

IN WITNESS WHEREOF, each the Participating County has caused this Agreement to be pre-audited by its Finance Director, executed by its Board Chair, and attested by its Clerk on the date indicated below the signature of its Board Chairperson, in triplicate originals, with an original to be retained by each.

(This space is intentionally blank. Separate signature pages follow.)

Halifax County Signature Page

INTERLOCAL AGREEMENT
BETWEEN HALIFAX COUNTY, WARREN COUNTY AND FRANKLIN COUNTY
REGARDING THE HALIFAX COUNTY PSAP AND REGIONAL BACK-UP 911 CENTER

HALIFAX COUNTY BOARD OF COMMISSIONERS:

Chairperson

Date: 6-4-18

Attest:

Clerk to the Board

This instrument has been pre-audited in the manner required by Local Government and Fiscal Control Act.

Halifax County Finance Director

Franklin County Signature Page

INTERLOCAL AGREEMENT
BETWEEN HALIFAX COUNTY, WARREN COUNTY AND FRANKLIN COUNTY
REGARDING THE HALIFAX COUNTY PSAP AND REGIONAL BACK-UP 911 CENTER

FRANKLIN COUNTY BOARD OF COMMISSIONERS:

Chairperson

Date: June 4, 2018

Attest:

Clerk to the Board

This instrument has been pre-audited in the manner required by Local Government and Fiscal Control Act.

Franklin County Finance Director

Warren County Signature Page

INTERLOCAL AGREEMENT
BETWEEN HALIFAX COUNTY, WARREN COUNTY AND FRANKLIN COUNTY
REGARDING THE HALIFAX COUNTY PSAP AND REGIONAL BACK-UP 911 CENTER

WARREN COUNTY BOARD OF COMMISSIONERS:

Victor Hunt
Chairperson

Date: 6/4/18

Attest:

Clerk to the Board

This instrument has been pre-audited in the manner required by Local Government and Fiscal Control Act.

Jamie Hoyle 6/6/18
Warren County Finance Director

Attachment 8 — Estimated Construction-related Costs — can be found on the following page.

This attachment pertains to question 27.

	1	120	1	120	x	
		192	1	192	x	
om	1	400	1	400	x	accommodates 20p
	1	192	1	192	x	phil
	1	120	1	120	x	
ffice Area	1	192	1	192	x	4p ea
		80	1	80	x	
		80	1	80	x	
		64	2	128	x	
		80	2	160	x	
		50	1	50	x	
tions Center - secure				3,260		
	1	192	1	192	x	
or	2	192	1	192	x	shared office
		192	1	192	x	
t Area		64	1	64	x	DCI
alifax	7	160	7	1120	x	6 + 1 positions
ack Up	5	160	5	800	x	Warren, Franklin
M/F)		100	2	200	x	w/ urinal
		100	1	100	x	
		240	1	240	x	full service
		160	1	160	x	
re				1,060		
	1	480	1	480	x	service tech, vendor
cal						
		200	1	200	x	
		180	1	180	x	
		200	1	200	x	assumes VRF w/ exterior condenser package
					6204	
					30%	initial allowance may be reduced
					1861	includes hallways, wall thickness, structure etc.
					8065	
on duty)	21					

0 sq. ft.	Estimated Construction Cost	$	5,564,9
	Estimated Architect Fees	$	325,0
	Construction Contingency at 3%	$	166,9
	TOTAL	$	6,056,9

Attachment 9 — Vendor Quotes — can be found on the following pages.

This attachment pertains to question 27.

Audiovisual	$	80,000.00
CAD System	$	134,897.40
Telephony	$	-
Priority Dispatch ProQA	$	234,261.00
Logging Recorder	$	61,010.00
Radio Consoles	$	1,002,142.00
DataCenter / Networks / Netclock	$	390,000.00
Workstation Furniture and Chairs	$	214,794.00
Office Furniture	$	70,000.00
	$	2,187,104.40

SOUTHERN SOFTWARE, INC.
an employee-owned company

Agency: **Halifax County E-911 Communications, NC**

Contact: **Heather Joyner**

Date: **5/24/2018**

HARDWARE AND SOFTWARE		Qty	
SERVER	**PowerEdge R330, Intel® Xeon® E-24XX v2 Processors**	2	$39,438.00
Operating System	Windows Server® 2012R2,Standard Ed,Factory Inst,No MED,2SKT,2VM,NO CAL		
Client Access Licenses	(3) 5-pack of Windows® Server 2012 User CALs (Standard or Datacenter)		
Client Access Licenses	Microsoft®SQL Server™2014 Standard,15 USER CALs Only, No Media		
Chassis Configuration	Chassis with up to 4, 3.5" Cabled Hard Drives and Embedded SATA		
Processor	Intel® Xeon® E3-1270 v5 3.6GHz, 8M cache, 4C/8T, turbo (80W)		
PCIe Riser	PCIe Riser,1FH,1LP w/Fan,R330		
Memory Configuration Type	Performance Optimized		
Memory Capacity	(4) 16GB UDIMM, 2133MT/s, ECC		
RAID Configuration	RAID 5, S130, Cabled Chassis		
RAID Controller	S130, Software RAID (for Microsoft OS Only)		
Hard Drives	(3) 1TB 7.2K RPM SATA 6Gbps 3.5in Cabled Hard Drive		
Additional Network Cards	On-Board LOM 1GBE Dual Port (BCM5720 GbE LOM)		
Embedded Systems Management	iDRAC8 Express, integrated Dell Remote Access Controller, Express		
Internal Optical Drive	DVD ROM, SATA, Internal		
Rack Rails	ReadyRails™ Sliding Rails Without Cable Management Arm		
Power Supply	Dual, Hot-plug, Redundant Power Supply, 350W		
Power Cords	(2) NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord, North America		
OS Media Kits	Windows Server® 2012R2,STD Ed,Media Kit w/Factory Inst STD DGRD Images		
Hardware Support Services	3 Years ProSupport Plus and Mission Critical 4HR On-Site Service		
Server Accessories	Keyboard and Optical Mouse, USB, Black, English		
KVM	TrippLite NetDirector Console KVM Switch with 17-inch LCD Screen/Keyboard/Touchpad		
UPS	19-inch SMART 1500RMXL2Ua Rack-Mountable UPS System		
Antivirus	Symantec Endpoint for 4 Users - 3 Year Renewal		
Backup Software	Nova Backup Business Essentials V. 16		
Hard Drives	Qty 3 (3) - 500 GB/TB Hard Drive		
Removable Storage	PowerVault RD1000		
Digiport SP1	Digiport SP1		
Switch	24 Port Rack Mounted Switch		
Dell Precision Tower 5810	Dell Precision Tower 5810 XCTO Base	12	$69,672.00
Processor	Intel® Xeon® Processor E5-2630 v4 (10C, 2.2GHz, 3.1GHz Turbo, 2133MHz, 25MB, 85W)		
Operating System	Windows 10 Pro for Workstations (4 Cores Plus) Multi - English, French, Spanish		
Office Productivity Software	Microsoft Office Professional 2016		
Chassis Options	Dell Precision Tower 5810 425W TPM Chassis, BW		
Video Card	NVIDIA® Quadro® M2000 4GB (4 DP) (1 DP to SL-DVI adapter)		
Memory	32GB (4x8GB) 2400MHz DDR4 RDIMM ECC		
Hard Drive	1TB SSD Drive		
Internal Hard Drive Configuration	C1 SATA 3.5 Inch, 1-2 Hard Drives		
HDD Controller	Integrated Intel AHCI chipset SATA controller (6 x 6.0Gb/s) - SW RAID 0/1/5/10		
Keyboard	US English (QWERTY) Dell KB-522 Wired Business Multimedia USB Keyboard Black		
Mouse	Dell USB Laser 6-Button Mouse		
Network Card	1Gbit NIC add-in card (PCIe- Intel)		
CD ROM/DVD ROM	16X DVD+/-RW Drive		
Speakers	Internal Speaker		
Power Cords	US 125V Power Cord		
Documentation/Disks	Safety/Environment and Regulatory Guide (English/French Multi-language)		
Hardware Support Services	3 Years ProSupport with Next Business Day Onsite Service		
Soundbar	Dell Professional Soundbar – AE515		
Monitor	Qty 2 (two) - Dell UltraSharp 24 InfinityEdge Monitor - U2417H		
Extension Cables	Extension Cables		
UPS	APC UPS 650		
Wireless Messaging for CAD (with 5 additional Paging Connectors)		1	$1,000.00
For Backup Center			

(CONT.)

*** Neverfail for Physical Server (1 Pair) (Note: first year support included; 2nd year payable to Neverfail - Approx. $1,000)**		1	$4,995.00
Installation (Southern Software Technician onsite for Hardware and Neverfail Installation; Remote installation by Neverfail)		1	$12,950.00
Hardware Support	ANNUAL HARDWARE SUPPORT - 24/7	1	$5,250.00

TOTAL INVESTMENT (STATE TAX AND SHIPPING NOT INCLUDED) **$133,305.00**

Proposal of hardware is valid for (30) days from date of proposal..

OPTION		Qty	
Rack	Startech 25U Server Rack Cabinet with Casters	2	$2,400.00

TOTAL INVESTMENT WITH OPTION (STATE TAX AND SHIPPING NOT INCLUDED) **$135,705.00**

Proposal of hardware is valid for (30) days from date of proposal..

Contact information for Public Safety Representative:

Mike Moody
Southern Software
150 Perry Drive
Southern Pines, NC 28387

Business: **800.842.8190**
Mobile: **910.603.3481**
Fax: **910.695.0251**
E-Mail **mmoody@southernsoftware.com**

Halifax County

10 N. King Street
Courthouse
Po Box 677
Halifax, NC 27839
252-583-2390

Dear Heather Joyner,

Thank you for the privilege of working with your organization!

Below you will find additional information about our company, price proposal and a detailed Scope of Work to outline our plan for a smooth implementation and rapid adoption of the solution.

We look forward to working with you. Thank you again for the opportunity to serve you.

Sincerely,

Travis Smith

Account Representative

Smith's Addressing Machine Services, Inc. ("S.A.M.S.") is an authorized dealer for a variety of manufacturers including: Entrust DataCard, HID, Fargo, BadgePass, and Zebra to name a few. No matter what your requirements, S.A.M.S. solutions allows you to create secure, durable, and professional high quality ID cards, employee badges, school ID's, loyalty cards, membership cards, and more.

To complement our product line, S.A.M.S. carries Access Control, CCTV, Campus One Card, Accountability, and Asset Management solutions. Additionally, all software and hardware purchased from Smith's Addressing Machine Services, Inc. will be serviced by factory trained technicians.

We offer a full range of metal and plastic embossing equipment as well as providing a service bureau for ID cards and Metal Plate embossing.

For our Virtual ID Store: Click Here

To Design A Lanyard: Click Here

To our Website: Click Here

Smith's Addressing Machine Service
151 Technology Drive
Garner, NC27529
(855) 347-9494
www.sams1.com

Technology Partners

S.A.M.S. Inc. partners with innovative technology companies to deliver the best of both worlds to our clients: a highly responsive, locally-owned company with attentive service along with the resources of the world's most respected technology brands.

Our technology partners must pass a rigorous selection process to ensure that we deliver best-in-class technology backed with responsive technical support. Following are some of our partners.

Entrust Datacard™

BADGEPASS™

HID

ZEBRA TECHNOLOGIES

CIM
CARD IMAGING MASTER

VIDEOINSIGHT

AMTDatasouth

IDENTIV

10 Reasons Equipment should be Covered on a Service Maintenance Contract

1. **Your Insurance Policy**
   In effect, a service agreement is an insurance policy. In case something unforeseen happens, the customer is not normally responsible for any amount over the cost of the service agreement.

2. **Money In Your Budget**
   It is easier for a customer to budget for a service agreement -there is one fixed cost and unexpected "surprises" can be avoided by a customer during the term of the agreement.

3. **Cost of Personnel**
   Without a service agreement, there is a tendency to delay calling when a piece of equipment breaks down and is inoperative. This reason alone is usually enough to justify the acceptance of an agreement when a customer considers the cost of personnel not working because a machine cannot be operated.

4. **Waiting For Purchase Orders**
   Policies in many organizations require that a purchase order be issued before service work can commence. This can be costly to the organization both in required administrative time necessary to process paperwork (requisitions, purchase orders, issuance of warranties, etc.) as well as in additional time lost by personnel waiting for paperwork to be processed.

5. **Less Down Time**
   With a service agreement, equipment is down less often because customers call as soon as the equip-ment malfunctions and prior to complete breakdown.

6. **Preventative Maintenance**
   A service agreement provides preventative maintenance to oil, grease and adjust mechanical machines; check voltage, clean and check sensors on electronic machines.

7. **Maintaining Factory Standards**
   Machines under service agreement are maintained at factory standards by factory trained technicians whom are continually updated by service bulletins, and important on-line information.

8. **Equipment Last Longer**
   Equipment lasts considerably longer when it is properly maintained according to factory standards. Therefore, the effective annual cost of the equip-ment is much less because it can be used for addi-tional years.

9. **Better Relationships**
   Use of service agreements generate a better relationship between a customer and Smith's Addressing Machine Services for many reasons: there are no misunderstandings regarding individual service call charges, minimum charges, increases in hourly rates, changes in policy, need for parts, etc. .. In addition, there are fewer complaints about equipment malfunctions because small problems don't become big problems.

10. **Faster Service**
    Because customers under service agreement have, in effect, prepaid for their service, the service department as a matter of policy will normally complete all calls to customers under a service agree-ment before servicing equipment not covered by a service agreement.

Quote

Recommended Implementation

MAKE / MODEL	DESCRIPTION	QUANTITY	AMOUNT
BAC041502	Two Door Controller With Cpu	1	$712.40
BIM011002	Badgepass Identity Manager	1	$500.00
MISCHDWA/C	Door Hardware (Strike/ Mag Lock)	14	$10,500.00
WG31145512	18/2 Lock Wire	5	$497.10
WG31025512	22/2 Contact Wire	5	$154.65
WG32065512	22/6 Reader Wire	5	$749.90
947-75TBR	Door Monitor Contact Brown	14	$89.46
BAC051002	8 Door Panel w/ Power Supply	1	$982.00
BAC040052	Two Door Interface Cards	6	$2,948.40
BAC0240002	Badgepass Mini Reader Prox	14	$1,764.00
Install	Installation and Training	1	$10,880.00
SAMSACCESSSMA	Annual Service Maintenance Agreement	14	$2,834.58

Cash Purchase Price:
$32,612.49

Additional Terms and Conditions

- **Applicable sales tax & S/H to be added**

This quotation is valid until the following date: 7/6/2018

Pre-Installation Approval

Our goal is to ensure the solution is implemented with minimal disruption of business. We agree to provide the above resources to provide a smooth implementation and rapid end-user adoption. Signature in this section acknowledges the information contained herein was reviewed prior to the commencement of the deployment and all customer requirements have been completed. These services herein will be provided without additional cost during the initial implementation.

_____

Client/Date

_____

S.A.M.S. Inc. Representative/Date

Post-Implementation Approval

Signature of this section consents the services listed above have been received to satisfaction. S.A.M.S. Inc. can provide additional fee-based services by request. Completion of any services not contained herein will require an additional signed Scope of Work.

_____

Client/Date

_____

S.A.M.S. Inc. Representative/Date

May 28, 2018

Halifax County Central Communications
10 North King Street
Halifax, NC 27839

Re: Ballpark Pricing for Dispatch Consoles

Dear Ms. Joyner,

Cher Ice asked me to send you ballpark pricing for 12 typical dispatch consoles for the Halifax County Central Dispatch NC Grant. We have been specializing in this type of furniture for over 30 years. We are happy to provide you with an accurate ballpark quote.

A safe dollar amount for your twelve-station project, including shipping and installation, will be $16,000.00 per console, for a total of $192,000.00. Once we have a dimensional drawing available to do an accurate space needs assessment, we will be able to provide a 100% accurate number.

This provides you with a state of the art ergonomic console. It will include the following for the base unit:

1. Sit to stand functionality which meets the ANSI/HFES standard.
2. Storage cabinets specifically for the computers
3. Panel system which reduces noise and clutter
4. Complete end to end cable management
5. Personal storage
6. Shipping and Installation
7. Roller Vision focal depth adjustment.
8. Personal Climate Controls
9. Individual task lighting.
10. Additional personal storage for binders, maps, etc.

This is a brief summary of what is provided standard with our consoles.

If you have any questions please call me or Cher at 919.901.3487.

Sincerely,

Kenneth R Carson
Owner and VP of Business Development
Xybix Systems, Inc.

8207 SouthPark Circle • Littleton, CO 80120
o. 800.788.2810 f. 303.683.5454
www.xybix.com

Miller at Work
PO Box 5508
High Point, NC 27262
PH: 336-883-1302

Terms: 50% Deposit, net 15
or
Prepay with a $50.00 Discount per Chair

Quote# HCCCNC-003-1

Ship Date: 6 weeks from receipt of order and payment

To: Halifax County Central Communications
10 North King Street
Halifax, NC 27839
Attn: Heather Joyner
PH: 252-583-2390
FAX:
Email: joynerh@halifaxnc.com

Ship To: Halifax County Central Communications
10 North King Street
Halifax, NC 24558
Attn: Heather Joyner
PH: 252-583-2390

P O Number	Date	Product	Qty	Price	Total
	6/6/2018	699-16-8-21/Dillon Black-Logo, Neck Cushion,Lumbar Pill	12	$1,879.50	$22,554.00

SUBTOTAL	**$22,554.00**
FREIGHT	**$840.00**
TOTAL	**$23,394.00**

SUBTOTAL	**$22,554.00**
FREIGHT	**$840.00**
DISCOUNT	***-$600.00***
TOTAL	**$22,794.00**

Remit To:
Miller at Work
PO Box 5508
High Point, NC 27262
336-883-1302
336-883-1304 (Fax)

Priority Dispatch

QUOTE

110 Regent Street, Suite 500
Salt Lake City, UT 84111
USA
www.prioritydispatch.net
Prepared By: Tim Martin
Phone: (800) 363-9127
Email: tim.martin@prioritydispatch.net

Agency:	Halifax County Emergency Dispatch
Agency ID#:	1128
Quote #:	Q-28772
Date:	6/6/2018
Offer Valid Through:	10/4/2018
Payment Terms	Net 30
Currency:	USD

Bill To:
Halifax County Emergency Dispatch
PO BOX 677
Halifax, North Carolina 27839-0677
United States

Ship To:
Halifax County Emergency Dispatch
10 N KING ST
Halifax, North Carolina 27839
United States

Line	Product Name	Qty	Unit Price	Amount
2	**ProQA Medical/Fire/Police Software Licenses** **Automated calltaking software**	12	11,250.00	135,000.00
3	**XLerator Client Server Suite** **Client server software application suite**	1	7,500.00	7,500.00
4	**AQUA Case Review Software for EMD/EFD/EPD** **Quality Assurance (case review) software base engine and discipline module**	1	5,250.00	5,250.00
5	**MPDS Backup Cardset License** **Licensed manual protocol set for backup**	12	495.00	5,940.00
6	**FPDS Backup Cardset License** **Licensed manual protocol set for backup**	12	495.00	5,940.00
7	**PPDS Backup Cardset License** **Licensed manual protocol set for backup**	12	495.00	5,940.00
8	**MPDS Quality Assurance Guide** **Quality Assurance Guide for training and case review only**	4	45.00	180.00
9	**FPDS Quality Assurance Guide** **Quality Assurance Guide for training and case review only**	4	45.00	180.00
10	**PPDS Quality Assurance Guide** **Quality Assurance Guide for training and case review only**	4	45.00	180.00
11	**Protocol Training and Certification for EMD/EFD/EPD (Host)** **Materials, tuition and certification**	24	1,020.00	24,480.00
12	**ProQA Software Training for EMD/EFD/EPD (one 8 hour course)** **2 or more disciplines require 8 hours of training**	3	1,500.00	4,500.00
13	**AQUA Software Training 8-hour course**	1	1,500.00	1,500.00
14	**Implementation Support Package for EMD/EFD/EPD** **Implementation support and quality management program development**	1	60,000.00	60,000.00
15	**ProQA ESP EMD/EFD/EPD** **License Renewal, Service & Support for ProQA, AQUA, Cardsets, Technical Support and Updates**	1	3,600.00	3,600.00
16	**NC State Discount**	1	0.00	-26,029.00

Priority Dispatch

QUOTE

Line	Product Name	Qty	Unit Price	Amount
17	**Shipping & Handling**	1	100.00	100.00

Discount	USD 26,029.00
Subtotal	USD 234,261.00
Estimated Tax	
Total	USD 234,261.00

Customer Signature:		Date:	
Customer Name:		Purchase Order ID:	
Credit Card #:		Expiration Date:	

TERMS AND CONDITIONS

This quote is valid for 120 days from date of issue. All prices quoted are exclusive of any applicable taxes, duties, or government assessments relating to this transaction, which are the sole obligation of Buyer. For further information see https://prioritydispatch.net/license-agreement/

From: Tina Mooring <tina@cocentral.com>
Sent: Tuesday, June 5, 2018 1:46:37 PM
To: Heather Joyner
Subject: RE: Quote Request | ASAP

Heather,

We can do the following without speakers:

LG LG 24MC37D-B 24" LED LCD Monitor - 16:9 - 5 ms - 1920 x 1080 - 16.7 Million Colors - 200 Nit - 5,000,000:1 - Full HD - DVI - VGA - 25 W - Black Hairline - EPEAT Gold DVI-D D-SUB TILT VESA 5MS 5M:1 BLK
-3 yr warranty $122.89 ea

Dell E2417H 24" LED LCD Monitor - 16:9 - 8 ms - 1920 x 1080 - 16.7 Million Colors - 250 Nit - Full HD - VGA - DisplayPort - 22 W - ENERGY STAR, RoHS, TCO Certified Displays, VGA BLACK 8MS- 3 yr warranty
$158.20 ea

HP Business E243 23.8" LED LCD Monitor - 16:9 - 5 ms - 1920 x 1080 - 250 Nit - 10,000,000:1 - Full HD - HDMI - VGA - DisplayPort - USB - 38 W - ErP, WEEE, SmartWay, EPEAT Gold, TCO Certified Edge 1920X1080 1000:1 ELITEDISPLAY E243 $159.66 ea

We can do the following with speakers:

BenQ GW2480 23.8" LED LCD Monitor - 16:9 - 5 ms - 1920 x 1080 - 16.7 Million Colors - 250 Nit - 1,000:1 - Full HD - Speakers - HDMI - VGA - DisplayPort - 27 W - Black - EPEAT Silver, TCO Certified Displays 7.0, ENERGY STAR 7.0 1920X1080 HDMI – 3yr warranty $158.20 ea

Asus VN248Q-P 23.8" LED LCD Monitor - 16:9 - 5 ms - 1920 x 1080 - 16.7 Million Colors - 80,000,000:1 - Full HD - Speakers - HDMI - VGA - DisplayPort - Black - ENERGY STAR 6.0, EPEAT Gold, EPEAT Bronze, ErP, RoHS, TCO Certified Displays 6.0 – 3 yr warranty $180.00 ea

From: Tina Mooring
Sent: Monday, June 4, 2018 5:08 PM
To: 'Heather Joyner'
Subject: RE: Quote Request | ASAP

Do they need built-in speakers??

From: Heather Joyner [mailto:joynerh@halifaxnc.com]
Sent: Monday, June 4, 2018 3:06 PM
To: Tina Mooring
Subject: Quote Request | ASAP
Importance: High

Hi, Tina
I am working on an application for grant funding for our new PSAP and need to get a quote from you regarding computer monitors.
(I only need the monitors, not computers).

Can you provide me with a quote for (72) 24" Monitors?
I'm good with Dell or HP, whichever you have access for inquiring from.

Let me know as soon as you can if you can do this.
I will need the quote by Friday, this week.

Thanks,

Heather Joyner
Halifax County E-911 Communications Manager
P.O. Box 677 | 10 N. King Street
Halifax, North Carolina 27839

joynerh@halifaxnc.com
Office: 252-583-2390 | Fax: 252-583-2490
Mobile: 252-678-3788

ORI: NC042013N

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efferson Road, Suite 460
er, NY 14623
tates

	Prepared For	Issue Date
COUNTY SHERIFF DEPT	Heather Joyner	5/23/2018
	joynerh@halifaxnc.com	
tates	252-678-3788	
33-8521		

ne	Model	Qty	Unit Price	
nmand Center Package with OCXO Oscillator and PresenTen...	GP934-NG911	1	$9,950.00	$9
kage includes a GPS Time Server/Master Clock system and NetClock 9400 Gigabit Ethernet Option Card for up to four LAN's with PresenTense s mited seats: (1) NetClock/GPS Time Server/Master Clock; Model 9483 with Opt 05 OCXO Oscillator for GPS Back-up, (1) 8230 GNSS Outdoor Ante nna Surge Protector; Model 8226, (1) 8226-0002-0600 Grounding Kit, (1) Low Loss GPS Antenna Cable; CAL7100, 100 ft., (1) NetClock 9400 Gigabi Option Card (NetClock Option 16); (1) 4 Inch Green 6-Digit PoE IP Clock; (1) 110-220V 50-60 Hz Power Injector; (1) Weather-Proofing Kit, and (1) s-n senTense Package. CD.				
reen 6-Digit IP Clock, PoE	SBP-31S-406-0G	3	$775.00	$2
een 6-Digit IP Clock, Power over Ethernet (PoE)				
V 50-60 Hz Power Injector	A-POE-INJECTOR-0	3	$79.00	
50-60 Hz Power Over Ethernet (POE) Injector.				

Total: $12

al Products

ne	Model	Qty	Unit Price
ync BroadShield Option	SS-OPT-BSH	1	$3,500.00
tware-only option for SecureSync adds Talen-X BroadShield GPS signal interference and spoofing detection algorithm support			
e Analyzer Professional unlimited clients	s-ntp-lta-02	1	$206.00
ime Analyser enables real-time monitoring and administration of all PresenTense network time clients centrally. One license copy is needed per L e postal address. CD.			
assive Anti-Jam Outdoor Antenna	8230AJ	-	$1,000.00
S Passive, Horizon Blocking Anti-Jam Outdoor Antenna supporting GPS L1, GLONASS L1, BeiDou B1, Galileo E1, and QZSS L1, with L-bracket for e mounting via metal straps (included). Compatible with CA01-0N0N, CAL7XXX or CALP7XXX cables.			

whickey@spectrac
(585) 321-5832

Terms and Conditions

ne:	4 Weeks	Warranty:	https://spectracom.com/support/warranty-info
	All pricing in USD	Quote Validity:	30 days
::	Net 30 days upon credit approval . Otherwise payment via credit card or cash in advance, prior to shipment.Effective with orders received May 1, 2018, all credit card payments will incur a 3% surcharge on the total amount of the transaction (including tax and freight, if applicable). The option to pay via ACH or Wire Transfer remains without surcharge as well as the option to apply for credit terms. Please contact your sales representative or order administrator for further details.Purchaser is responsible for all bank fees, transportation & export/import fees. All payments in US Dollars.	Shipping Terms:	FCA Shipping Point (Incoterms 2010) Shipping c prepaid and added to the invoice or charged col customer's shipping account number.
nd Taxes:	Responsibility of the purchaser	Installation:	Not included in proposal

n and order acceptance subject to compliance with all applicable U.S. and non-U.S. export control laws and regulations. Prior authorizations before shipment. Spectracom's acceptance of any order in response to this Quotation is expressly conditioned upon Buyer's assent to the te ıs referenced in this Quotation, unless other terms are agreed upon in writing by Spectracom. Seller's agreement to sell or otherwise deliver any I shall not be deemed or construed to be an acceptance of any of Buyer's terms and conditions nor a waiver of any term set forth herein.

le Terms and Conditions of Sale for orders placed with the Rochester, NY USA office can be ://spectracom.com/sites/default/files/document-files/STD-USTC-002.pdf

HALIFAX COUNTY, NC

MCC7500 CONSOLE SYSTEM

MOTOROLA

The design, technical, and cost information furnished with this proposal is proprietary information of Motorola Solutions, Inc. (Motorola). Such information is submitted with the restriction that it is to be used only for the evaluation of the proposal, and is not to be disclosed publicly or in any manner to anyone other than those required to evaluate the proposal, without the express written permission of Motorola Solutions, Inc.

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REF/Control No. XX-XXX

SECTION 4

PRICING

Motorola is pleased to provide the following equipment and services to Halifax County:

Current Dispatch Center:

Equipment Cost	$316,680.00
Installation Cost	$184,391.00
TOTAL:	$501,071.00

Future Dispatch Center: **Includes a 2 year warranty**

Equipment Cost	$316,680.00
Installation Cost	$184,391.00
TOTAL:	$501,071.00

TOTAL: $1,002,142.00

Note: The SI Services include engineering, installation, configuration, optimization, project management and first year warranty / wrap.

Warranty / Maintenance for Years 2-5 *(*pricing per dispatch site)*
*Advanced Plus Package Includes 24/7 On-Site Support, Security Monitoring, and Advanced Replacement

Discounted Pricing for Equipment & Post Warranty Maintenance Package:

Backup 911 Center

Equipment Cost:	$	316,680.00
Installation Cost:	$	184,391.00
Total:	$	501,071.00
PWM Year 2	$	86,772.00
PWM Year 3	$	88,982.00
PWM Year 4	$	91,257.00
PWM Year 5	$	93,602.00
PROJECT TOTAL:	$	861,684.00
PO by 6/15/18 Discount:	$	(60,000.00)
Discounted Total:	$	801,684.00

Primary 911 Center

*Includes a 2 year warranty with equipment.

Equipment Cost:	$	316,680.00
Installation Cost:	$	184,391.00
Total:	$	501,071.00
PWM Year 2	$	86,772.00
PWM Year 3	$	88,982.00
PWM Year 4	$	91,257.00
PROJECT TOTAL:	$	768,082.00
PO by 6/15/18 Discount:	$	(60,000.00)
Discounted Total:	$	708,082.00

Backup 911 Center	$	801,684.00
Primary 911 Center	$	708,082.00
PROJECT TOTAL	**$**	**1,509,766.00**

Use or disclosure of this proposal is subject to the restrictions on the cover page.

Edge One Solutions, Inc.
5301 Mill Dam Rd
Wake Forest, NC 27587
Tel: 919-554-1954
Fax: 919-554-9257

Nice Authorized Dealer

QUOTATION

Proposed Work:	Channel Expansion to NICE NRX w/Inform to accommodate 30 analog recording feeds from Warren County and for 24 analog, 5 VoIP, and 16 RoIP feeds from Franklin County
Quotation Date:	May 24, 2018
Prepared By:	Todd Williams

Prepared For: Halifax County 911
Attn: Heather Joyner
Address: 10 N. King Street
Halifax NC 27839

Phone: 252-583-2390
Email: joynerh@halifaxnc.com

Install Location Contact:
same

Phone:
Email:

Part Number	h/w,s/w lic	Quantity	Description	Price	Total
			System Specifications		
PS-INFRM-PROF-1CH-UP	lic	75	Audio Recording License, including Inform Professional application support	$650.00	$48,750.00
PS-INFRM-PROF-TR-1CH	lic	16	Harris Integraion per Channel License if needed	$450.00	$7,200.00
			Sub Total:		**$55,950.00**
			Professional Services		
Install	svc	1	Installation during normal business hours	$2,260.00	$2,260.00
NPSS	svc	1	Nice 1 Year Software Assurance (Required)	$2,800.00	$2,800.00
1YRWAR	svc	1	1 Year Extended Support	$1,820.00	$1,820.00
			Services Sub Total:		**$5,060.00**
				Shipping:	
			QUOTATION TOTAL:		**$61,010.00**

By signing below, you are authorizing purchase for materials and/or services quoted herein. Your signature authorizes Edge One Solutions, Inc. to proceed with your order and invoice accordingly. Please provide a copy of your company's purchase order along with the signed quotation and fax to 919-554-9257 or email to twilliams@edge1solutions.com.

Approved by:

Approved Date:

Purchase Order Number

Terms:

Payment Terms: Upon Installation
Delivery: CFR - Factory
Validity of quotation: 30 Days
Estimated Delivery: 4 Weeks ARO
(Delivery is contingent upon stock availability at the time of order placement)

Attachment 10 — 2017-2018 PSAP Budget — can be found on the following pages.

This attachment pertains to question 27.

FOR 2018 12

ACCOUNTS FOR: 113 EMERGENCY TELEPHONE SYSTEM	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1134444 EMERGENCY TELEPHONE SYSTEM							
1134444 449006 WIRELESS FUNDING	-314,531	-314,531	-262,108.90	.00	.00	-52,422.10	83.3%*
1134444 483100 INTEREST EARNED	0	0	-2,498.26	.00	.00	2,498.26	100.0%
1134444 483903 MISCELLANEOUS REVEN	0	0	-61.76	.00	.00	61.76	100.0%
1134444 499100 FUND BALANCE	-415,500	-436,300	.00	.00	.00	-436,300.00	.0%*
TOTAL EMERGENCY TELEPHONE SYSTEM	-730,031	-750,831	-264,668.92	.00	.00	-486,162.08	35.3%
1135394 EMERGENCY TELEPHONE SYSTEM							
1135394 529000 OTHER SUPP & MAT	10,000	10,000	4,257.59	.00	637.90	5,104.51	49.0%
1135394 532100 TELEPHONE	55,000	70,000	58,333.14	10,441.76	7,494.20	4,172.66	94.0%
1135394 539500 EMPLOYEE TRAINING	35,000	20,000	7,756.36	1,283.00	6,328.39	5,915.25	70.4%
1135394 544000 SERVICE CONTRACTS	155,000	157,600	142,957.32	4,771.07	13,742.29	900.39	99.4%
TOTAL EMERGENCY TELEPHONE SYSTEM	255,000	257,600	213,304.41	16,495.83	28,202.78	16,092.81	93.8%
1139450 CAPITAL OUTLAY-EM TEL SYSTEM							
1139450 535200 MAINT & REP EQUIPME	30,000	30,000	10,653.70	4,812.15	13,118.45	6,227.85	79.2%
1139450 555000 INV EQUIPMENT-CA	415,501	433,701	16,324.13	.00	2,398.87	414,978.00	4.3%
1139450 555001 TOOLS & EQUIPMENT	29,530	29,530	7,475.85	.00	.00	22,054.15	25.3%
TOTAL CAPITAL OUTLAY-EM TEL SYSTE	475,031	493,231	34,453.68	4,812.15	15,517.32	443,260.00	10.1%
TOTAL EMERGENCY TELEPHONE SYSTEM	0	0	-16,910.83	21,307.98	43,720.10	-26,809.27	100.0%
TOTAL REVENUES	-730,031	-750,831	-264,668.92	.00	.00	-486,162.08	
TOTAL EXPENSES	730,031	750,831	247,758.09	21,307.98	43,720.10	459,352.81	

FOR 2018 12

	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
GRAND TOTAL	0	0	-16,910.83	21,307.98	43,720.10	-26,809.27	100.0%

** END OF REPORT - Generated by Teresa Walker Payroll **

Attachment 11 — Halifax County Recurring Expenses — can be found on the following pages.

This attachment pertains to question 29.

Lease	Recurring	Non-Recurring	Maintenace Contractual	COMMENTS (Include) PURCHASE 911 USE AND NOTES PERTAINING TO EXPENSE IF THE SAME AS
	$86,160.00			Prior Year Submittance
			$623.07	RevCord Maintenance
			$623.07	RevCord Maintenance
			$623.07	RevCord Maintenance
			$623.07	RevCord Maintenance
			$623.07	RevCord Maintenance
			$623.07	RevCord Maintenance
			$623.07	RevCord Maintenance
			$623.07	RevCord Maintenance
			$623.07	RevCord Maintenance
			$623.07	RevCord Maintenance
			$623.07	RevCord Maintenance
			$623.07	RevCord Maintenance
	$3,927.00			Prior Year Submittance
		$4,241.50		Headsets
	$1,423.60			
	$1,423.60			
	$1,423.60			
	$1,523.25			
	$1,423.60			
		$830.00		
		$320.00		
		$720.00		
		$562.50		
			$39,469.00	AC# 2525832390
			$24,523.76	AC# 2525832390
			$63,992.76	AC# 2525832390
			$51,194.21	AC# 2525832390
			$25,597.10	AC# 2525832390
			$51,194.21	AC# 2525832390
$0.00	$97,304.65	$6,674.00	$263,447.88	

Scroll over this cell to see the Approved Use of Funds Guideline

		$100.00		
			$18,900.00	
		$2,438.00		
		$232.00		
	$2,387.00			
		$2,016.00		
	$300.00			
	$3,501.25			
	$718.00			
		$114.00		
		$80.00		
	$3,735.00			
		$2,498.00		
		$1,437.00		
		$23,641.00		
$0.00	$10,641.25	$32,556.00	$43,642.08	

Lease	Recurring	Non-Recurring	Maintenace Contractual	COMMENTS (Include) PURCHASE 911 USE AND NOTES PERTAINING TO EXPENSE IF THE SAME AS
$0.00	$0.00	$0.00	$0.00	

Scroll over this cell to see the Approved Use of Funds Guideline

Amount	Per Diem	Out-of-State	COMMENTS (Include) PURCHASE 911 USE AND NOTES PERTAINING TO EXPENSE IF THE SAME AS PRIOR YEAR.
$60.00			
$80.00			
$200.00			

Scroll over this cell to see the Approved Use of Funds Guideline

$14,301.00	$0.00	$0.00

DDRESSING NTRACTUAL	DATABASE PROVISIONING CONTRACTUAL	ADDRESSING In-house	DATABASE PROVISIONING In-house	911 Telephone System In-house	PC Support to include hardware In-house (Desktop PC)	CAD support to include hardware and software In-house	Server support to include hardware and software In-house	GIS Support to include hardware and software In-house	h sc
$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	

Attachment 12 — Franklin County Information — can be found on the following pages.

NC DIT
911 Board
NORTH CAROLINA DEPARTMENT OF INFORMATION TECHNOLOGY

J. ERIC BOYETTE
SECRETARY & STATE CHIEF INFORMATION OFFICER
CHAIRMAN

David B. Bone
VICE CHAIRMAN

May 18, 2018

Angela Harris
County Manager
113 Market St.
Louisburg, NC 27549

Dear Mrs. Harris,

RE: Franklin County PSAP Final Funding Distribution FY2019

The North Carolina 911 Board approved a funding method in December 2010 for distributing funds to the primary PSAPs. The 911 Board is required to present the proposed distribution amount (base amount as defined in G.S. §143B-1406) for each primary PSAP by June 1 of each year for the upcoming fiscal year. The distribution amount is based on data collected for the most recent five years of approved eligible expenditures of your primary PSAP.

The 911 Board must consider the amount of funds carried forward for your primary PSAP in determining the distribution amount for the upcoming fiscal year. This is required by G.S. §143B-1406(a1), and the Board considered distributions remaining in the Emergency Telephone System Fund for the past two years. PSAPs may carry-forward no more than 20% of the average yearly amount of the prior two years for eligible expenditures for capital outlay, capital improvements or equipment replacement. The 911 Board however, may allow a PSAP to carry forward a greater amount.

Based on the most recent reconciled Revenue Expenditure report financial data of June 30, 2017, distributions to your PSAP for Fiscal Year 2018-2019 will be $25,463.05 monthly, which is $305,556.65 annually. Distributions must be deposited into the Emergency Telephone System Fund (N.C.G.S. §143B-1406(a). Disbursements will begin July 1, 2018 for the 2018-2019 fiscal period.

Forms for requesting a funding reconsideration are available on the North Carolina 911 Board website http://it.nc.gov/nc911board. Eligible expenses are identified in the N.C.G.S. §143B-1406(d) and on the Board's, Approved Use of Funds List at http://it.nc.gov/nc911board.

Please contact me and I'll be glad to assist you in making that request. My email address is Pokey.Harris@nc.gov . All reconsideration requests must be filed no later than August 6, 2018.

Sincerely,

L.V. Pokey Harris
Executive Director

cc: Finance Director
911 Director

P O Box 17209, Raleigh, NC 27619-7209
4101 Mail Service Center, Raleigh, NC 27699-4101
Telephone: 919-754-6621
it.nc.gov/nc911board

Franklin County
NORTH CAROLINA
A Research Triangle Region Community

Emergency Communications
287 T-Kemp Road
Louisburg, NC 27549

Phone: 919.496.2511
Fax: 919.496.5370

www.franklincountync.us

September 28, 2017

Marsha Tapler, Financial Analyst
North Carolina 911 Board

RE: 2018 Funding Reconsideration – Franklin County Emergency Communications

Ms. Tapler,

Franklin County Emergency Communications is requesting a funding reconsideration of $1,338,289.00 for a one-time Capital Purchase in Fiscal Year 2018. Our approved fund balance as of June 30, 2016 was $486,689.40. Our ending fund balance as of June 30, 2017 is $461,488.91. The Revenue-Expenditure Report is currently being reviewed. Our distribution for Fiscal Year 2018 is $261,244.45. The estimated expenditures for Fiscal Year 2018 is $557,096.00. These expenditures include a Telephone System Hardware and Software Refresh/Upgrade, New Logging Recorder, and Replacement of the UPS Batteries. The estimated ending fund balance for June 30, 2018 is $176,455.52. This fund balance will likely be necessary in Fiscal Year 2019 to cover the regular operational/maintenance costs depending upon the estimated revenue that will be distributed to Franklin County Emergency Communications in Fiscal Year 2019.

This Funding Reconsideration Request is for Franklin County Emergency Communications to upgrade its current radio dispatch console system into the current manufacturer's dispatch console platform. Franklin County Emergency Communications did submit a grant request in the most recent grant cycle for this project which was rejected.

We currently have six (6) positions of Harris' Maestro dispatch console system. The Maestro console has been discontinued by the manufacturer, and the County is not able to purchase any new positions in the event of a needed replacement, for expansion of the Center, or for back-up purposes. Additionally, the support for the Maestro software will end on November 30, 2019 and hardware spares will be sold on a first come, first-serve basis as supplies last.

The Maestro dispatch consoles have been in use since 2012. They are past their recommended replacement cycle, however the replacement cannot be completed with the use of the existing console software. The radio consoles must be replaced with the newer console system which in turn requires a system-wide upgrade to allow the consoles to function on the system.

In order to upgrade the positions to the Symphony dispatch console system, Franklin County must also upgrade the NSC Core equipment to support the newer platform. This involves upgrading the system to the current SR10.A.3 version. The SR10.A.3 upgrade also provides the County with the opportunity to incorporate geographically redundant Distributed Control Points (DCP) into the dispatch system. This DCP feature eliminates a current single point of failure inherent in the existing Franklin County system. The County has lost dispatch capabilities due to this single point of failure in the past and strives to eliminate this weakness within this proposed upgrade project.

This Upgrade is a priority due to the discontinuation of the dispatch consoles currently in use by the PSAP. This has rendered Franklin County incapable of expanding, repairing, and/or replacing the existing dispatch consoles. In order to eliminate the use of discontinued equipment and the possibility of irreparable equipment that would prevent the PSAP from dispatching emergency responders to those in need, the dispatch consoles must be upgraded to the current dispatch platform called Symphony. Symphony dispatch consoles will not function on the software platform that is currently operating in the radio system which necessitates an upgrade to the software platform. Currently, The Franklin County Radio System has two (2) Network Switching Center (NSC) cores that are separated geographically which connect the dispatch consoles into the system.

This request is for funding for the eligible expenditure items contained in the Radio Upgrade Project. The other items will be funded by Franklin County in order to complete the project in its entirety.

Please contact me if you have any additional questions or require any further clarification.

Respectfully,



Christy Shearin, Director
Franklin County Emergency Communications

Request for Backup Plan Approval

PSAP Name: Franklin County Emergency Communications

PSAP Plan Contact (title/telephone number/email address):
Christy Shearin, Director (919)340-4320 cshearin@franklincountync.us

Location

Where is the Primary PSAP located (street address)?

285 T Kemp Road Louisburg, NC 27549

Where is the Backup PSAP located (street address)?

For 911 call receipt and process – Halifax County 9-1-1 – 10 N. King St Halifax NC

For dispatching – Location will vary depending upon the circumstances. Primary will be the EOC located at 8146 NC 56 Hwy Louisburg; if the EOC is not viable (loss of power and/or facility), then staff will relocate to the closest Fire Department that is viable (i.e. Louisburg Fire Dept – 102 Wade Ave Louisburg NC)

What other departments are located in the Backup PSAP facility?

How far is the Primary PSAP from the Backup PSAP in airline miles? (There is currently no defined distance requirement but a one mile minimum is a reasonable expectation.)

Halifax County 9-1-1 – 44.42 air miles
EOC – 0.79 air miles
Louisburg Fire Dept – 1.21 air miles

Please attach a geographical (such as a google) map showing the primary location and backup location.

Positions/Workstations

How many telecommunicator positions are in the Primary PSAP? 6
How many telecommunicator positions are normally manned in the Primary PSAP? 4-5
Can you staff for more positions to handle peak workloads in the Primary PSAP? Yes
How many additional positions are used during peak workloads in the Primary PSAP? 1 to 2

How many telecommunicator positions are in the Backup PSAP?
How many telecommunicator positions will be manned in the Backup PSAP?
Can you staff for more positions to handle peak workloads in the Backup PSAP?

Equipment

Please describe the make and model of the telephone switch in the Primary PSAP.
Intrado (Positron) Viper

Please describe the make and model of the telephone switch in the Backup PSAP.

Halifax County 9-1-1

Please describe the make and model of the CAD in the Primary PSAP.
Southern Software

Please describe the make and model of the CAD in the Backup PSAP.
Southern Software

Please describe the make and model of the recorder in the Primary PSAP.
Eventide

Please describe the make and model of the recorder in the Backup PSAP.

Radio Equipment

What equipment in the Backup PSAP will be used to dispatch 911 calls? Halifax County will relay our calls via a VIPER talk group for dispatch

How will the radio equipment in the Backup PSAP connect to the radio network? Portable radio/VIP Console

Network

How many 911 trunks are currently in the Primary PSAP and who is the carrier? 5 - Centurylink
How many admin lines are currently in the Primary PSAP and who is the carrier? 7 - Centurylink

How many 911 trunks will be in Backup PSAP and who is the carrier? All 5 trunks will be busied out to route our calls to Halifax County 9-1-1 utilizing a toggle witch
How many admin lines will be in the Backup PSAP and who is the carrier? Our main number (919) 496-2511 will be forwarded to the location of Franklin County staff by contacting CenturyLink

What is the process to re-route 911 trunks from the Primary PSAP to the Backup PSAP? Flip the toggle switch
How long will it take to re-route 911 trunks from the Primary PSAP to the Backup PSAP? Instantaneous

What is the process to re-route admin trunks from the Primary PSAP to the Backup PSAP? Contact CenturyLink to have (919) 496-2511 forwarded to the location that Franklin County staff has relocated to
How long will it take to re-route admin trunks from the Primary PSAP to the Backup PSAP? Dependent upon CenturyLink

How will the Primary PSAP be network connected to the Backup PSAP? Via VIPER radio talk group (Halifax will relay calls for service to Franklin)
Who is the carrier?
What is the bandwidth?

How will this network connection between the Primary PSAP to the Backup PSAP be used? For instance will it be used to keep the CAD data current at both locations? Will it be used to carry 911 calls from the B side of the switch at the backup location to the A side at the Primary location? Will other applications be running on this network connection?

Interim PSAP

Who will answer your 911 calls while you are relocating to the Backup PSAP? Halifax County 9-1-1

How long will it take to relocate staff to the Backup PSAP and begin taking calls? Varies depending on location that will be viable during the emergency

What is the process to re-route calls from the Primary PSAP to the Interim PSAP while relocating staff to the Backup PSAP? Toggle switch

What is the process to re-route calls from the Interim PSAP while relocating staff to the Backup PSAP? n/a

Please attach a signed Memorandums of Understanding (MOUs) and any other applicable agreements. Please insure that the signatories have the appropriate authority to commit their respective agencies.

Power

Describe the back-up power system at the Primary PSAP? UPS/Generator
What is the capacity of the generator and the UPS in the Primary PSAP? UPS – 15kVA – 20 min run time; Generator – 80 kW
How much fuel is stockpiled for the generator at the Primary PSAP and how long will this provide uninterrupted operation? 200 Gallons of Diesel on site – approx. 1 week

Describe the back-up power system at the Backup PSAP?
What is the capacity of the generator and the UPS in the Backup PSAP?
How much fuel is stockpiled for the generator at the Backup PSAP and how long will this provide uninterrupted operation?

How often will you test your Backup plan? TBD
How long will you take calls at the Backup PSAP when you exercise your plan? TBD

Backup Facility

Does your Backup facility provide for the needs of employees?
How will sufficient food, water, sleeping, and hygiene needs for the staff for the projected duration the emergency be provided? This question will be determined by local operational policies and procedures, but it does need serious consideration and planning. While there is no hard and fast rule in place, it seems reasonable the backup facility should be self-supporting for a minimum of 72 hours.

yes

Additional

Please provide a diagram of your back-up plan. Show the equipment to be supported in the Primary PSAP and the Backup PSAP, the network connections between the Primary PSAP and the Backup PSAP, the trunking to the Primary PSAP and the Backup PSAP, and any other relevant information.

Financial Documentation

Non-Eligible Costs		Eligible Costs		Comments
Product/Service		Product/Service		
	Cost	One-Time Costs	Cost	
		Recurring Costs Annual	Cost	
		Recurring Costs Monthly	Cost	

The Plan

Please provide a narrative on how the proposed Backup plan will work.

Major Telephone Failure – Calls will be routed to Halifax County via toggle switch. Halifax will relay calls for service via VIPER talk group (more detailed process is included in SOGs)

Evacuation of the PSAP – Calls be routed to Halifax County via toggle switch. Halifax will relay calls for service via VIPER talk group to be dispatched by Franklin Staff via portable radio, VIP console, or telephone (more detailed process is included in SOGs)

Two backup cases will be setup that will contain a laptop, a portable radio, and a spare battery. The laptops will be capable of connecting to the CAD server if it is still operational. If it is not operational, the laptops will have the capability of networking them together and running the CAD software with a stand-alone database. The laptops will have the mapping software also.

If needed every fire department has the capability of activating their own pagers for calls. CodeRED will be utilized to make contact with departments in the event an evacuation is needed.

Further detailed information can be found the Backup Plan document and SOG document that was previously sent.

How often will you test your Backup plan?
How long will you take calls at the Backup PSAP when you exercise your plan?

System	Plan	Notes
CAD System	Replace Hardware every 3 years/Maintain support agreements	The CAD Server was replaced in 2016. 4 of the 6 workstations were replaced in 2016. Software was last updated in March 2017.
Logging Recorder	Replace this year (FY2018)	The logging recorder was installed in 2012 and is need of replacement.
Phone Systems	Replace Servers/Workstations/Upgrade software this year (FY2018)	The phone workstations were upgraded in 2014. The servers are in need of being replaced.
Furniture	Replace/Add new	The current furniture was installed in 2012. At such time the workstations begin to deteriorate and/or the 911 center is relocated to another location, then the furniture will be replaced.
Radio Consoles/System	Replace/Upgrade	The radio consoles have been discontinued therefore they need to be replaced. Additionally, the radio console software currently runs on Windows Vista which is no longer supported by Microsoft. In order to replace the radio consoles with the newer console system, the entire radio system requires an upgrade in order for them to be compatible. Additionally, more capacity (channels) for the radio system are needed to accommodate growth.
UPS/Generator	Replace Batteries this year (FY2018)	The UPS system is under a maintenance contract. The batteries are replaced every three (3) years as recommended by the manufacturer. The batteries were replaced in 2014 and are budgeted to be replaced in the upcoming fiscal year (FY2018). The Generator was installed in 2012 and is under a maintenance contract.

Attachment 13 — Warren County Information — can be found on the following pages.

NC DIT
911 Board
NORTH CAROLINA DEPARTMENT OF INFORMATION TECHNOLOGY

J. ERIC BOYETTE
SECRETARY & STATE CHIEF INFORMATION OFFICER
CHAIRMAN

David B. Bone
VICE CHAIRMAN

May 18, 2018

Robert Davie
County Manager
PO Box 619
Warrenton NC 27589

Dear Robert Davie,

RE: Warren PSAP Funding Distribution FY2019

The North Carolina 911 Board approved a funding method in December 2010 for distributing funds to the primary PSAPs. The 911 Board is required to present the proposed distribution amount (base amount as defined in G.S. §143B-1406 for each primary PSAP by June 1 of each year for the upcoming fiscal year. The distribution amount is based on data collected for the most recent five years of approved eligible expenditures for your primary PSAP.

The 911 Board must consider the amount of funds carried forward for your primary PSAP in determining the distribution amount for the upcoming fiscal year. This required by G.S. §143B-1406(a1), and the Board considered distributions remaining in the Emergency Telephone System Fund for the past two years. PSAPs may carry-forward no more than 20% of the average yearly amount of the prior two years for eligible expenditures for capital outlay, capital improvements or equipment replacement. The 911 Board however, may allow a PSAP to carry forward a greater amount.

Please note, your agency's FY2017 Revenue-Expenditure report has not been reconciled and the reported expense was the amount used for the 5-year average. Once the report is reconciled, the final expense amount **will not** impact the FY2019 funding for your agency.

Based on the most recent unreconciled Revenue Expenditure financial data of June 30, 2017, distributions to your PSAP for Fiscal Year 2018-2019 will be $15,252.02 monthly, which is $183,024.25 annually. Distributions must be deposited into the Emergency Telephone System Fund (N.C.G.S. §143B-1406(a)). Disbursements will begin July 1, 2018 for the 2018-2019 fiscal period.

P O Box 17209, Raleigh, NC 27619-7209
4101 Mail Service Center, Raleigh, NC 27699-4101
Telephone: 919-754-66241
it.nc.gov/nc911board

If you feel the monthly distribution amount is not adequate to fund the eligible expenditures of your 911 center, or if you feel your agency needs more than the 20% allowable carry-forward, you may request a reconsideration of the distribution amount.

Forms for requesting a funding reconsideration are available on the North Carolina 911 Board website http://it.nc.gov/nc911board. Eligible expenses are identified in the N.C.G.S. §143B-1406(d) and on the Board's, Approved Use of Funds List at http://it.nc.gov/nc911board.

Please contact me and I'll be glad to assist you in making that request. My email address is Pokey.Harris@nc.gov . All reconsideration requests must be filed no later than August 6, 2018.

Sincerely,

L.V. Pokey Harris
Executive Director

Cc: Finance Director
911 Director

P O Box 17209, Raleigh, NC 27619-7209
4101 Mail Service Center, Raleigh, NC 27699-4101
Telephone: 919-754-6621
it.nc.gov/nc911board

7 Ending Balance	266,256.00	**FY 17 audit**	
3 Activity As of 5/31/18	**(CHANGE DATE WHEN UPDATED)**		
al:	**Current Yr Activity**	**Balance**	**Variance**
nues:			
harges	113,767.20		
tment Income	2,137.88		
otal Revenues	**115,905.08**		
nditures			
nses as of 5/31/18			
Capital Equipment	7,161.88		
el	0.00		
hone Maintenance	38,926.50		
e Machine Maintenance Contract	17,176.00		
oment/Hardware			
oment Lease	59,804.64		
otal Expenditures	**123,069.02**		
ing Balance as of 5/31/18		**259,092.06**	
on Hand - NCCMT	245,162.06		
From Central Depository	8,952.80		
t 12/12/17			
at 12/12/17			Due to adjustments made after audit
s Tax	4,977.88		and on final PSAP Report by PSAP Board
Cash on Hand as of 1/30/18	**259,092.74**		0.68

Projected Remainder of Year			
cted Surcharges		22,753.44	
cted Interest	300*2		
additional revenue expected		**22,753.44**	
cted Expenditures			
n Capital Equipment	4,733		
avel	-		
lephone Line Charges	2,072		
reless Database Charges	1,380		
lephone Maint	1,830		
lus Group (lease payment)			
CATS			
fice Machine Maint contract	20,000		
scellaneous			
additional expenditures expected		**30,015.10**	
Projected at June 30, 2018		**251,831.08**	

' 16 Ending Balance	485,020.50		**approved by PSAP Board**
' 16 Ending Balance	485,034.36		**FY 16 audit**
' 17 Activity As of 6/30/17	**(CHANGE DATE WHEN UPDATED)**		

tual:	**Current Yr Activity**	**Balance**	**Variance**
venues:			
rcharges	168,284.21		
estment Income	1,193.34		
btotal Revenues	**169,477.55**		
penditures			
penses as of 6/30/17			
n-Capital Equipment	0.00		
avel	903.38		
lephone Maintenance	45,187.61		
fice Machine Maintenance Contract	32,181.63		
uipment/Hardware	263,832.21		
uipment Lease	46,162.54		
btotal Expenditures	**388,267.37**		
nning Balance as of 6/30/17		**266,230.68**	
sh on Hand - NCCMT	227,760.78		
e From Central Depository	3,192.77		
P at 6/30/17	-1,140.00		
R at 6/30/17	14,023.73		Due to adjustments made after audit
les Tax	22,399.40		and on final PSAP Report by PSAP Board
tal Cash on Hand as of 5/24/17	**266,236.68**		6.00

Projected Remainder of Year		
pected Surcharges		0.00
pected Interest		0.00
tal additional revenue expected		**0.00**
pected Expenditures		
Non Capital Equipment	0.00	
Travel	0.00	
Telephone Line Charges	0.00	
Wireless Database Charges		
Telephone Maint	0.00	
ePlus Group (lease payment)		
ECATS		
Nexlog 740, etc.		
tal additional expenditures expected		**0.00**
tal Projected at June 30, 2017		**266,236.68**

E911 Running Balance

			Use PSAP Figure
FY 15 Ending Balance	455,152.39		**approved by PSAP Board**
FY 15 Ending Balance	455,146.00		**agrees with FY 15 audit**
FY 16 Activity As of 6/29/16	**(CHANGE DATE WHEN UPDATED)**		
Actual:	**Current Yr Activity**	**Balance**	**Variance**
Revenues:			
Surcharges	129,775.30		
Investment Income	814.92		
Subtotal Revenues	**130,590.22**		
Expenditures			
Expenses as of 6/29/16			
Non-Capital Equipment	0.00		
Travel	410.00		
Telephone Maintenance	49,563.08		
Office Machine Maintenance Contract	75,221.01		
Equipment/Hardware	1,174.00		
Subtotal Expenditures	**126,368.09**		
Running Balance as of 5/30/16		**459,374.52**	
Cash on Hand - NCCMT	454,569.93		
Due From Central Depository	648.55		
A/P at 12/09/15	0.00		
A/R at 12/09/2015	0.00		Due to adjustments made after audit
Sales Tax	4,149.62		and on final PSAP Report bu PSAP Board
Total Cash on Hand as of 5/30/2016	**459,368.10**		-6.42

Projected Remainder of Year	
Expected Surcharges	25,955.06
Expected Interest	140.00
Total additional revenue expected	**26,095.06**
Expected Expenditures	
Non Capital Equipment	
Travel	
Telephone Line Charges	
Wireless Database Charges	
ECATS	
Nexlog 740, etc.	
Total additional expenditures expected	**0.00**
Total Projected at June 30, 2016	**485,463.16**

E911 Running Balance

FY 14 Ending Balance	439,188.00		agrees with FY 14 audit
FY 15 Activity As of 6/30/15	**(CHANGE DATE WHEN UPDATED)**		
Actual:	**Current Yr Activity**	**Balance**	**Variance**
Revenues:			
Surcharges	129,666.72		
Investment Income	75.63		
Subtotal Revenues	**129,742.35**		
Expenditures			
Expenses as of 6/30/15			
Non-Capital Equipment	5,750.00		
Travel	30.00		
Telephone Maintenance	60,747.88		
Office Machine Maintenance Contract	44,153.89		
Equipment	6,863.76		
Subtotal Expenditures	**117,545.53**		
Running Balance as of 6/30/15		**451,384.82**	
Cash on Hand - NCCMT	441,265.35		
Due From Central Depository	7,842.78		
A/P at 6/30/15	0.00		
A/R at 6/30/2015	0.00		
Sales Tax	2,276.41		
Total Cash on Hand as of June 30, 2015	**451,384.54**		-0.28

Projected Remainder of Year	
Expected Surcharges	0.00
Expected Interest	0.00
Total additional revenue expected	**0.00**
Expected Expenditures	0.00
Mobile Lab	
Telephone Line Charges	
Wireless Database Charges	
ALI Remapping	
Dell 21.5" LCD Displays	
Total Projected at June 30, 2015	**451,384.54**

451,384.54
0.28
1488
2273
455,145.82 after adjustments

Attachment 14 — Halifax County Grant Responses — can be found on the following pages.

Grant Type

Regional Initiative

PSAP Name

Halifax County Central Communications

1. ***Has the Revenue/Expenditure Report for FY17 been completed and approved by the NC 911 Board Fiscal staff for the applicant PSAP?***

No

2. ***Has the applicant PSAP implemented a plan and secured the means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP (backup plan)?***

Yes

3. ***If the answer to #2 above is NO, please explain in detail why the plan has not been implemented?***

N/A

4. ***Has the North Carolina 911 Board been notified that backup plan has not been implemented?***

N/A

5. ***Please outline project goals and objectives.***

Halifax County respectfully submits this grant request for a regional initiative to construct a new facility to serve as the primary PSAP for Halifax County and regional back-ups for Franklin and Warren counties, and to procure associated technology and infrastructure.

There are numerous advantages to this initiative: additional space for Halifax County 911 operations, including a larger operations floor and much-needed office space; improved operational efficiencies for Franklin and Warren counties during times when they must operate from their back-up centers; streamlined information flow through the use of the same computer aided dispatch (CAD) system; improved situational awareness of activities; improved disaster response and recovery through enhanced relationships and a common operating picture; possible future reduction in maintenance costs through transitions to singular regional systems; and the ability to face technological and operational enhancements of Next Generation 911 (NG911) on a regional basis.

A primary goal of this initiative is to provide a new emergency communications center within Halifax County to ensure increased efficiencies and coordination of communications and emergency response services with Franklin and Warren counties. Objectives are:

1) Construct a new facility to house a Halifax County's 911 center, which has outgrown its current footprint and to serve as a regional back-up for both Franklin and Warren counties
2) Design the facility to adhere to established rules for PSAP facilities, as stated within 09 NCAC 06C.0210, *Public Safety Answering Point (PSAP) Facilities*, and for the use of grant funds, as stated within 09 NCAC 06C.0400, including security, redundancy, and grounding
3) Adhere, where practical, to standards for mission-critical facilities published by the Federal Emergency Management Agency (FEMA), the National Fire Protection Association (NFPA), and the National Emergency Number Association (NENA)
4) Conduct thorough system testing before facility acceptance

There is always the potential for natural and man-made disasters to threaten 911 centers in North Carolina (NC), as evidenced by severe weather the last several years. There is no location on which a new facility could be sited that is completely immune to threats. In accordance with NC § 143B-1406(f)(5), "...a PSAP must have a plan and means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP ... The plan must identify the alternative capability of taking the redirected 911 calls."[1] The NC 911 Board has stated in its operating standards that the back-up PSAP, when staffed, shall be capable of performing the emergency functions performed at the primary. The back-up PSAP shall be separated geographically from the primary PSAP at a distance that ensures the survivability of the alternate center.

Both Franklin and Warren counties have back-up plans approved by the NC 911 Board. For Franklin County, 911 calls will be routed to Halifax County via toggle switch. Halifax County 911 will relay calls for service via a Voice Interoperability Plan for Emergency Responders (VIPER) talk group to be dispatched by Franklin County 911 via portable radio, console, or telephone as the situation dictates. Franklin County 911 has two back-up cases that each contain a laptop, portable radio, and a spare battery. The laptops are capable of connecting to the CAD server if it is operational; if not, the laptops have the capability to network and run the CAD software with a stand-alone database. Warren County 911 has a temporary back-up plan in place with Halifax County to provide call answering until Warren County personnel arrive at Halifax County 911. A new facility will provide a more-permanent home in the event it is needed.

The second goal of this initiative is to improve service to citizens and the safety of emergency responders. Objectives are:

1) Utilize the statewide call handling solution and Emergency Services Internet Protocol (IP) network (ESInet)
2) Implement radio communications infrastructure in the regional back-up center necessary to dispatch emergency call information to responders in Franklin and Warren counties, as well as Halifax County
3) Align the new facility to continue to meet both technological and operational standards

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[1] http://www.ncga.state.nc.us/enactedlegislation/statutes/html/bychapter/chapter_143b.html

as set by the NC 911 Board, including 09 NCAC 06C .0206, *Back-up PSAPs*
4) Share physical resources when possible
5) Provide consistent, uninterrupted 911 service to the citizens of Franklin and Warren counties during man-made or natural disasters

This regional initiative will improve communications and interoperability among the three 911 centers and improve situational awareness as the working relationships will be enhanced through this project.

Halifax County envisions the new facility to be its "forever home," while Franklin and Warren counties desire to have the ability to function as they currently do in their centers while in their back-up. These desires are consistent with the goals and objectives established for this project.

Due to how the responses appear in the grant application, a formatted Word version can be found in Attachment 14.

6. Please provide an implementation strategy and work plan, including a timeline.

The Halifax County 911 regional back-up initiative involves building a new 911 center to house 911 operations for Halifax County (primary) and associated office spaces and training space. The new 911 center will also provide back-up space for Franklin and Warren counties' 911 operations. In addition to new console workstations, there will be new CAD servers, workstations and monitors, a new logging recorder, and NetClock; additionally, the associated hardware and software for these critical PSAP systems will be procured. To maintain constant communications with first responders, new radio console equipment and server(s) will be procured.

While the new facility is under construction, each county will continue to operate as normal. Standard operating procedures (SOPs) will be developed that detail the responsibilities of the agencies when the new 911 center is operational as a back-up for either Franklin County or Warren County.

Technology and furnishings will be procured to coincide with substantial completion of the facility to ensure full warranties are available as near to cutover as possible. As will be noted in procurement documents, vendors will be responsible for acceptance testing with oversight from the County's consultant, Mission Critical Partners.

As this is a complex construction project due to the requirements for mission-critical facilities, especially security and grounding, with many moving parts, and many ancillary tasks, it is anticipated that construction will take 13 months, which will be dependent on the industry at the time of bidding. Overall, it is likely that this project will require no more than 36 months to complete the following:

1) Qualify and hire an architectural firm
2) Program and design building

3) Prepare construction bid documents
4) Bid construction project
5) Break ground and construct the new regional 911 center
6) Install redundant facility systems and security
7) Procure equipment for new facility
8) Install new technology and workstations
9) Integrate respective technology with Franklin County 911 and Warren County 911
10) Attain substantial completion of new facility
11) Commission the facility
12) Address any facility punch list issues
13) Obtain certificate of occupancy
14) Test and accept mission-critical technology
15) Transition Halifax County 911 staff to new facility
16) Conduct a back-up drill with Franklin County 911
17) Conduct a back-up drill with Warren County 911
18) Submit final documents to NC 911 Board
19) Close out the project

Throughout the project, Mission Critical Partners, on behalf of Halifax County, will submit required monthly reports to the NC 911 Board. The County will also participate in any training or workshops specifically targeted to grant recipients.

Attachment 1 contains high-level timelines of the milestones.

7. Please identify the interface or compatibility between existing equipment and/or software and that which you intend to purchase.

There are no anticipated interface or compatibility issues, although there are some differences in the technology currently in use in the three 911 centers.

Each county intends to participate in the statewide hosted call handling solution as well as the statewide ESInet. This in and of itself will eliminate many compatibility issues that could have arisen. If the statewide solution is not yet available in the region when construction begins in the summer-early fall 2019, Halifax County will be required to submit a reconsideration request for funding to implement infrastructure to support 911 call answering until such time as the statewide solution is available.

Taking advantage of these and other NG911 solutions will strengthen the back-up capabilities for Franklin County and Warren County, and place Halifax County in a good position to further expand its NG911 footprint.

Halifax County 911 currently uses a TriTech CAD solution; however, Franklin and Warren counties utilize Southern Software CAD. Halifax County 911 is transitioning to Southern Software CAD, which will allow Halifax County 911 to more effectively serve as a regional back-

up and enhance the ability of all three 911 centers to provide a regional common operating picture for first responders. As part of the grant, the hardware will be refreshed for the new facility. The Southern Software CAD system supports IAED's ProQA software, National Crime Information Center (NCIC) / Division of Criminal Information (DCI) databases, as well as other interfaces, including integrated mapping. A single logging recorder solution will be used, which coupled with the hosted call handling could offer a seamless session for incident replay

Mapping capabilities will need to be updated to include surrounding counties. The transition to a single CAD system for the regional back-up will help assure that jurisdictional boundaries, road centerlines, and other geographic information system (GIS) layers imperative to 911 align.

The more popular mass notification systems are web-based; thus, utilizing different platforms will not create issues.

The biggest difference is the radio systems in use by agencies. Halifax County currently operates Harris Symphony radio consoles. Franklin County is currently upgrading its radio system to the Harris Symphony radio dispatch console platform, as well as performing other necessary system updates. The total cost of this project, much through NC 911 Board grant funds, exceeded $2.4 million. Warren County currently operates Motorola MCC 5500 radio consoles on the State's 800 megahertz (MHz) VIPER system and very high frequency (VHF) channels. Obviously, there are compatibility issues with the differing radio consoles, and it is not cost effective or efficient to install two radio consoles at the workstation positions. Mission Critical Partners, Halifax County's consultant, will work with the radio vendors and the project team to identify the most appropriate method or interface to ensure radio connectivity is established with Warren County first responders. The NC 911 Board will be informed of the solution once known.

8. ***The North Carolina Department of Commerce annually ranks the state's 100 counties based on economic well-being and assigns each a Tier Designation. The 40 most distressed counties are designated as Tier 1, the next 40 as Tier 2 and the 20 lest distressed as Tier 3. Please indicate you PSAP or group of PSAPs tier ranking based on the NC Department of Commerce 2018 Tier Designation.***

Tier 1

9. ***Please identify funding priorities, their impact on operational services, and consequences of not receiving funding.***

NCGS § 143B-1406(d)[2], Fund distribution to PSAPs, Use of Funds, delineates what 911 funds can be used for; construction costs are not allowable. As this is the primary funding priority, 911 funds cannot be used, and if they were allowable, funding still would not support it. In addition, Grant funding is necessary to make this project a reality.

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[2] http://www.ncleg.net/enactedlegislation/statutes/html/bychapter/chapter_143b.html

The first funding priority is the design and construction of a facility to serve as the primary PSAP for Halifax County and as a back-up for both Franklin and Warren counties. Halifax County 911 has outgrown its allotted space and is cramped and in need of more office space. Franklin County has a "make-shift" back-up plan in place but no paging capabilities when in back-up mode. Warren County has a temporary back-up plan in place with Halifax County. Halifax County 911 shares breakroom and restroom facilities with other County employees. Additional space is needed to support the growth of administrative support personnel by Halifax County and the support infrastructure that a regional back-up center will require.

The second funding priorities are communications technology-related: radio communications and other operational technologies (including workstations). Technology is and will continue to be a key component to the success of any 911 operation. Each technology system in use in a 911 center provides a critical lifesaving function to support emergency response. As noted previously, the agencies operate disparate radio consoles. In concert with the counties, this will be addressed by Mission Critical Partners with the radio vendor(s) to determine the best course of action. In the fall of 2017, Halifax County contracted an assessment of its 400-foot radio tower. The tower does not meet the current standards and is over-loaded. A new tower is likely needed to provide appropriate mounting locations for control station antennas as well as auxiliary communications services (ACS) equipment. The tower will provide additional vertical spacing between antennas, minimizing interference. Obviously, radio system equipment is a necessity for communications with first responders. Without this equipment, public safety is jeopardized. However, Halifax County recognizes the cost of a new tower is likely cost-prohibitive for this grant application. Franklin County has indicated that it has a 300-foot tower that can be disassembled and re-erected in Halifax County, which could lessen the load on the current tower as well as provide room for new control station antennas. This is the route Halifax County intends to pursue first. However, if the tower does not meet standards and cannot be strengthened if it were to be re-erected, Halifax County will need to pursue additional grant funds to ensure a successful outcome for the project.

The three 911 centers intend to utilize the statewide hosted call handling solution, reducing costs to the counties; if the solution is not available as construction is underway, Halifax County will have to ask for reconsideration funding to implement the infrastructure for 911 calls. Halifax County plans to transition to Southern Software CAD system, already in use by Franklin and Warren counties. Monitors will be needed for each workstation position, as well as servers. A new logging recorder will be needed with sufficient channels to record all necessary phone lines and radio channels, and that provides geofence search capabilities and enhanced reporting and call evaluation functions, instant recall, advanced analytics, and flexible archive capabilities. This will position Halifax County to be able to record different media types when the 911 center begins to accept new technologies. Workstation furniture and durable chairs designed for 24-hours a day use will also be needed.

The approved 911 fund balance for Halifax County as of June 30, 2017 was $484,995.93. Of this, $436,300 has been appropriated towards the upfitting of the County's back-up center. This

leaves an available amount of $48,696. While these funds can be used for eligible expenses, including telecommunicator furniture and dispatch equipment, as noted in NCGS § 143B-1406(d), the funds are not sufficient to equip a new 911 center and maintain the amount allowable by legislation.

Without grant funding, Halifax County cannot build an appropriately sized facility to serve as its primary PSAP and provide space to serve as a regional back-up center for Franklin and Warren counties. While some of the technology is an allowable expense for 911 funds, the current funds are not sufficient to cover all the costs, still maintain current systems and retain the allowable percentage for emergencies. As noted earlier, the primary priority is construction of a new facility, which is not allowable.

10. Please provide a copy of your PSAP's long-term or strategic technology plan and identify how the project fits within it.

Halifax County follows the NC 911 Board's best practices for technology replacement. During the time leading up to transition to the new facility, Halifax County will continue to maintain its equipment as in the past.

911 fund balances, and the use of general funds when necessary, will continue to support the respective strategic plans for CAD, mapping, logging recorders, and the 911 telephony systems and networks.

All equipment and systems in the new 911 center will be new. This will ensure that all systems and equipment are maintained appropriately, and that funding is available when needed. Critical systems in the strategic plan include the following:

- CAD system with mapping
- Logging recorder
- Radio consoles

Attachment 2 contains the strategic plan for Halifax County.

11. Please identify the likelihood of completing the project utilizing your 911 fund balance and the percentage of grant funding being requested in relation to total project costs.

Halifax County and Warren County both have a Tier 1 designation, the most distressed in the state. Halifax County is the second most economically distressed county in the state, while Warren County is nineteenth. Halifax and Warren counties were fourth and thirtieth, respectively, in 2017.[3] In Halifax County and Warren County, the percentage of persons living in poverty is 27 percent and 26.4 percent, respectively, higher than the North Carolina average of 15.4 percent. Franklin County, with a Tier 2 designation, has a 15.3 percentage of persons living in poverty.

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[3] https://www.nccommerce.com/Portals/0/Incentives/CountyTier/2018-Tiers-memo.pdf

Halifax County's fund balances, even with some support from Franklin and Warren counties, is insufficient to fund the new PSAP facility to serve as a regional back-up for Franklin and Warren for two reasons: the overall cost of the project and the fact that construction is not an allowable expense.

Construction and outfitting of the facility and other related capital costs not covered by 911 funds will be based upon appropriations made at the County Commissioners' discretion. It is unknown at this time whether the County will need to incur additional debt to fund other aspects of this project.

The current 911 fund balances will continue to be applied to eligible costs. Halifax County will have an estimated fund balance on June 30, 2018, of approximately $17,000. Franklin and Warren counties have estimated 911 fund balances of $176,455.52 and $251,000, respectively.

Attachment 3 contains the year-to-date budget report for Halifax County.

Without significant support from the NC 911 Board, it is unlikely that this project will move forward. Collectively, however, any fund balances not already encumbered, excluding the allowable retainage, will be used towards eligible expenses needed to support this initiative.

The estimated cost of this project for the grant request is $8,716,182.04. Requested funding is $8,500,000. This requested amount represents approximately 97.5 percent of the project costs. The requested funding covers those non-eligible costs that cannot be funded through 911 funds. Halifax County is contributing the land to this project, which has an estimated value of $50,000. (Attachments 4 and 5)

12. What is the relationship of participating PSAPs to the initiative? Provide MOUs between PSAPs identifying each participant PSAP's responsibilities to the project.

Halifax County plans to construct a new primary PSAP, which will also provide sufficient space to serve as a back-up PSAP for Warren and Franklin counties. Both Franklin and Warren counties intend to cooperate in this effort, both through the planning process, procurements, and testing, and, upon facility completion, back-up utilization and training opportunities.

Warren and Franklin counties fully support Halifax County's application for a grant from the NC 911 Board, and the establishment and maintenance of the proposed Halifax County primary PSAP as a regional back-up PSAP, as evidenced by the signed joint resolution and interlocal agreement. (Attachments 6 and 7, respectively)

Barring any unforeseen geotechnical issues, Halifax County intends to locate the new 911 center on a 5-acre site at 356 Ferrell Lane in Halifax. Being good stewards of potential grant funding, the PSAP will house 12 console workstations; 5 of which will be available for use by Franklin and Warren counties, which is less than the 9 positions between the two. While it is

unlikely that both Franklin and Warren counties will need to evacuate their PSAPs simultaneously, should this occur, Halifax County will relocate to its current back-up PSAP at 536 Jackson Street in Roanoke Rapids; allowing Franklin and Warren counties to occupy the new center for as long as necessary. If all three agencies need to occupy the new 911 center at the same time, the agencies will work together to best accommodate the needs of all involved, which may mean each center reducing their usually staffed positions, for example, to allow 5 positions for Halifax County, 5 positions for Franklin County, and 2 positions for Warren County. While this may not be ideal, it indicates the cooperative nature of the agencies involved in the regional initiative.

13. Identify intended collaborative efforts between participating PSAPs.

Each county will share in the costs of future technology upgrades or maintenance in equipment or facilities related to technology changes for NG911 implementation. Such sharing of costs is intended to save costs for each county as new technological solutions for emergency call management are adopted and implemented. The basis for allocating the share of such future costs will be established from time to time per the signed ILAs; each governing board will be required to approve the cost sharing.

Halifax County will make the 911 center available for Franklin County's or Warren County's training activities periodically throughout the year, at a maximum of once per quarter.

The 911 directors/managers will meet, at a minimum, on a semi-annual basis. The directors have authority to establish (and modify from time to time) policies and procedures needed to successfully operate the Halifax County 911 facility as Franklin and Warren counties' back-up 911 center.

The counties will cooperate with local, state and federal agencies in order to maximize interoperability and economies of scale, grant-funding, and other means to reduce costs for equipment and operations. The 911 directors/managers will develop uniform standards for a multi-jurisdictional CAD system with expandable ports for multiple interfaces such as Records Management System (RMS), Fire reporting, EMS reporting and message switching for mobile data terminals or other data-sharing interfaces.

The parties may engage in cooperative purchasing activities, including, but not limited to, the use of state contracts when it is in all parties' best interest.

14. Identify how resource sharing will take place.

In the event either Franklin County or Warren County needs to evacuate their respective facility, Halifax County 911 will provide call answering and dispatch services until personnel from the respective 911 center arrive. Personnel will be cross-trained in applicable call answering scenarios to ensure citizens receive the same level of service to which they are accustomed.

The 911 centers can establish training that is appropriate for the capabilities afforded by a regional back-up, allowing staff to be cross-trained to operate from Halifax County 911 in a seamless manner. The regional back-up and cooperative environment established through this effort can provide an avenue to increase call processing capabilities during extreme or unusual operating conditions, without increasing authorized and budgeted staffing levels within each 911 center.

Equipment and furnishings necessary for receiving 911 calls at Halifax County 911, including any hardware and software needed for CAD, 911 call handling, radio consoles, dispatch furniture, data networks, and other mechanical, technical or facility systems required to make the facility functional will be the property of Halifax County, available for use by Franklin and Warren counties when the Halifax County 911 center is serving in a back-up capacity.

15. Indicate how the initiative impacts the operational or strategic plans of the participating agencies.

Halifax County 911 follows best practices provided by the NC 911 Board for equipment replacement and refresh, as do Franklin and Warren counties. All equipment and systems in the new 911 center will be new. This will ensure that all systems and equipment are maintained appropriately, and that funding is available when needed. Participating in this regional initiative reduces the amount of equipment and infrastructure that would be needed to outfit Franklin and Warren counties' back-up PSAPs if a regional approach was not taken, as resource sharing can and will occur.

This regional back-up initiative also provides Franklin and Warren counties a more permanent back-up solution per 09 NCAC 06C .0206, *Back-up PSAPs.*

This initiative also provides a basis for other collaboration in the future, perhaps reducing future maintenance costs by consolidation of systems, such as a regional CAD system. There is also the possibility of singular training opportunities to enhance skills for all telecommunicators, thereby reducing individual costs to the respective 911 center.

23. Current 911 Fund Balance

The audited fund balance of as June 30, 2017, was $484,995.93. Of this, $436,300 has been appropriated towards the upfitting of the County's back-up center.

24. Estimated June 30, 2018 911 Fund Balance:

$17,000

25. Amount Requested

$8,500,000

26. Total Project Cost

$8,716,182.04

27. List by line item planned expenditures.

In alignment with the project goals and objectives, grant funds are requested for the planned expenditures listed below.

- Architectural Design Services
- Facility Construction, including generator, automatic transfer switch, and manual transfer switch
- Construction Contingency
- Third-party Testing Services
- Audiovisual
- CAD System
- Priority Dispatch ProQA
- Logging Recorder
- Radio Consoles
- Workstation Furniture and Chairs
- Professional Consultant Services

Attachment 8 contains the estimated construction, architectural services, and construction contingency costs.

Attachment 9 contains itemized and/or detailed vendor quotes for the requested expenditures. Many quotes were obtained; other estimated costs were provided by Mission Critical Partners based on its most recent grant work and industry knowledge.

Attachment 10 contains a copy of Halifax County's 2017-2018 PSAP budget.

28. Provide a budget narrative that briefly explains the reason for each requested budget item.

ARCHITECTURAL SERVICES, CONSTRUCTION, AND CONTINGENCY: $6,056,937.64

Architectural Design Services: Architects are the "professionals in the construction industry who represent the interests of the building owner."[4] Architects provide design options to maximize investments and are intimately familiar with building codes (local and international). The design process requires the expertise of mechanical, electrical, and plumbing engineers who work with

[4] http://www.easternaianc.org/index.php/why-hire-architect/why-aia-architect/

the architect to ensure the accuracy of the design. With a hardened facility, this is infinitely more important. The new facility will be a mission-critical facility that must withstand natural and manmade events that harm, or have the potential to harm, the public and put lives at risk; hence the facility will be hardened to withstand disasters. The complexities of a mission-critical facility are vast, requiring redundancies and safeguards that may not be seen in a normal commercial building, such as redundant power sources and grounding. Architectural design services ensure all conditions are met.

Facility Construction (911 and associated spaces only): Currently Halifax County 911 has outgrown its footprint within the County building, and Franklin and Warren counties are in need of a permanent back-up solution. The initial programming provides space for 12 workstations; support spaces, such as restrooms and kitchen; and office spaces. Costs include a 3 percent contingency factor due to the preliminary nature of the project. As the NC 911 Board is aware, construction costs have escalated rapidly in the last few years. This is primarily due to the rise in construction projects, shortage in workforce, and yearly inflation on labor and materials. As such, the facility has been costed out higher than in past years.

Generator: Pursuant to 09 NCAC 06C.0210(b), "Primary and secondary power sources shall be determined by the PSAP including the following provisions: ... (4) Secondary Power Source. (A) The secondary power source shall consist of one or more standby engine-driven generators. ..." The request for a generator is to provide an independent and reliable power source in the event the primary power fails. It is anticipated that this will fall under the construction contract, but it may be cost effective to procure separately.

Construction Contingency: A construction contingency has been allowed for based on the estimated architectural and construction costs. This will be used for items such as change orders, testing services, and diesel fuel to fill the generator.

Third-party Testing Services: Third-party testing services are necessary to ensure adherence to project specifications, such as testing of soils and concrete mixtures, and soil compactions. As this is to verify the contractor's adherence to specifications, this is a cost over and above the construction costs. This will be covered by the construction contingency.

TECHNOLOGY AND CONTINGENCY: $2,187,104.40

Audiovisual: A/V includes monitors for the administrative offices and a video wall for the 911 center. These provide for situational awareness of current events as well as the status of incoming calls. Closed-circuit camera feeds will also be viewed on the monitors. Control equipment will have the ability to display information throughout the building as needed.

CAD System: Currently Franklin and Warren counties use Southern Software CAD. Halifax County intends to transition to Southern Software. The CAD systems will continue to interface with IAED's ProQA software and NCIC/DCI.

Priority Dispatch ProQA: The use of nationally recognized protocols provides for a standard level of service for all incoming calls. Additional licenses are necessary for the regional back-up center.

Logging Recorder: A new logging recorder will be needed to capture phone and radio communications, as well as screen captures. It is anticipated that the system will provide geofence search capabilities and enhanced reporting and call evaluation functions, instant recall, advanced analytics, and flexible archive capabilities. The ability to seamlessly integrate the client environment from each county with the regional logging recorder will be a benefit to the users.

Radio Consoles: Radio provides the foundation on which communications with first responders are built but is not an allowable expense for 911 funds. This provides for radio consoles to be used by dispatchers to communicate with public safety personnel.

Network Infrastructure: Network infrastructure provides for servers, racks, cabling, switches, NetClock, storage, and other miscellaneous technological items.

Workstation Furniture and Chairs: New workstations and 24-hour chairs will be needed at the new facility.

Furniture, Fixture, and Chairs: Office furniture and tables and chairs for the conference room and multi-purpose room are needed.

PROFESSIONAL SUPPORT: $472,140

Professional Consultant Services: Halifax County intends to continue its relationship with Mission Critical Partners for project management support and coordination of all project components, to include grant reporting, procurement support, coordination between vendors and vendor oversight, transition planning and implementation. This cost is the same as provided to Richmond County in 2015 for a similar-sized facility and procurements. Due to the complexity of the project, this fee is not subject to reduction based on the grant award as all components of the project remain the same, including technology procurements.

Note: As the technology costs are estimates only, it is the intent to have any awarded funds for technology as a singular fund, rather than specifically allocating "x" dollars to each requested item. This will allow Halifax County to use the funds in the best way possible to meet the goals and objectives of the grant. For example, if the estimate for a respective piece of technology in the grant application is less than the official procurement cost, the remaining funds will be used towards other technology costs—keeping with the intent of the grant.

Note: In order to keep costs down, the construction contingency, which is usually 10 percent, has been lowered to 3 percent, and the technology contingency, also 10 percent, has been

removed completely.

29. If the project will have ongoing expenses, such as monthly or annual recurring charges, identify those expenses by line item including the projected costs and the specific sources for future/long-term funding and demonstrate how the project will be sustained in the future without additional 911 Grant Program funding.

Halifax County, Franklin County, and Warren County currently incur monthly and/or annual recurring charges; these charges will continue. Recurring charges include maintenance contracts for the CAD system and other hardware.

Attachment 11 contains Halifax County's recurring expenses.

In a new facility, there will be recurring expenses for power, water, garbage collection, cable, HVAC, pest control, and any associated maintenance agreements. These costs are likely to increase as this will be a stand-alone facility for Halifax County 911, whereas currently, the 911 center is in a County building. While the costs for these items are unknown, Halifax County has anticipated this and is able to cover the expenses through general funds. There will be some offset when Franklin County and/or Warren County use the facility as a back-up center.

Halifax County will be fully responsible for the operational cost of the facility. An average daily operational cost (to include utility and facility maintenance costs) will be determined annually by Halifax County and appropriately documented for Franklin and Warren counties. For the first year of operation, $50 will be used as the average daily operational cost. Franklin and Warren counties will compensate Halifax County for the use of the facility during a disaster situation and for planned or unplanned service outages on a per diem basis for each 24-hour period of use, excluding the first 24-hour period. The per diem amount will be a pro-rata portion of the average daily operational costs based upon the number of workstations actually used by all agencies.

The capital costs requested within this grant are anticipated to be costs incurred one-time or infrequently, with plans to begin accumulating funding for future upgrades or replacement through ongoing anticipated 911 surcharges and through inclusion in long-range capital investment planning. The recurring maintenance costs of the systems and facility are within the current or future revenue capacity of the counties. 911 funds will continue to be used for eligible expenses.

30. Explain how your evaluation will measure the achievement of the goals and objectives identified in the Project Description with a timeline and milestones for meeting short, intermediate, and long term goals.

Upon a successful grant award and acceptance by the County, Halifax County, in concert with Franklin and Warren counties, will establish a project team of key stakeholders. With assistance from Mission Critical Partners, the goals and objectives of the project will be reviewed, and adjustments made based on the awarded grant amount. For example, a reduced grant award

may mean some changes to the technology, or programming changes to the facility. Upon concurrence of the objectives, a more definitive timeline will be established.

A primary goal of this initiative is to provide a new PSAP for Halifax County, which will serve as a regional back-up location for both Franklin and Warren counties. A second goal of this initiative is to improve service to citizens and the safety of emergency responders by utilizing the same call handling solution and CAD system among the three agencies. These goals cannot be realized until the project itself is complete. However, steps along the path toward achieving this goal are identified as milestones.

Each of the goals and associated objectives, constraints and assumptions, risks, deliverables, and milestones will be documented in a project scope that is agreed to by the project team.

The preliminary timeline, provided as Attachment 1, identifies the current milestones that will be tracked. Short-term goals are those milestones to be accomplished within six months of receiving a fully executed grant contract, if the grant application is successful. Intermediate goals are those milestones to be accomplished between months 7 and 18. Long-term goals are those milestones to be accomplished in the last 18 months of the project. The preliminary (anticipated) timelines, particularly technology, will be further refined as the project progresses and short-term milestones are reached, such as selection of an architect. Additional milestones will be added as needed. A critical path schedule will be identified upon the initiation of individual tasks and will be monitored for alignment and impact on the overall project schedule.

Regular site visits will be conducted by the project team and Mission Critical Partners to help assure the project remains on schedule. The project team will participate in the monthly construction meetings once they begin; this will help assure alignment with project expectations and goals, and to measure progress.

Monthly reports will be provided to the NC 911 Board, to include an update on the milestones by reporting category: design, permit, construction, communications systems, and other activities. The measurement will be made by determining if respective tasks, activities and milestones were successfully completed in the anticipated timeframe. Interim reports will be produced as requested or if a risk is identified that will impact scope, schedule, and/or budget.

Mission Critical Partners will provide professional project management support and will work with the project committee and vendors to communicate and document expectations of the scope of work, budget, and timelines as contracted.

Any changes and additions to documented plans and schedules will be communicated to the key stakeholders throughout the project from planning, initiation, execution, monitoring and control, through completion and post-cutover acceptance activities.

31. Describe how evaluations will be conducted, including performance parameters which must be met in order to meet acceptance criteria.

Various stages of the project will require testing, whether it be during construction or technology implementation.

A third-party testing firm will be contracted to perform testing throughout the project as required, including a geotechnical assessment and concrete strength tests. The soils will need to be suitable for building a mission-critical facility. The concrete strength tests will ensure the concrete meets specified requirements.

Construction shall adhere to the latest version of the NC building codes, as well as those requirements from the NC 911 Board Rules, specifically 09 NCAC 06C .0210, *Public Safety Answering Point (PSAP) Facilities*, and .0402, *Grant for Construction or Renovation*. It is the architect's responsibility to ensure that the NC 911 Board requirements are considered and included during the design phase. A copy of these rules will be provided to the architect during the kick-off meeting. Mission Critical Partners will review the respective design plans to ensure the criteria are met.

In addition, there are other standards that will be applicable during the design phase and, by extension, during the evaluation phase. Electrical shall be per National Fire Protection Association (NFPA), *National Electrical Code (NEC)* [NFPA 70]. Portions of NFPA 1221, *Standard for the Installation, Maintenance, and Use of Emergency Communications Systems*, shall be applicable. Grounding shall adhere to Motorola R56 standards. These standards will be referenced when reviews are conducted.

Halifax County's local building inspector and the fire marshal will be involved in inspections. The architect's contracted engineering firm and Mission Critical Partners' subject matter experts will conduct periodic reviews. Building commissioning will be conducted by the building inspector and professional engineering firm, witnessed by the counties, if desired, and Mission Critical Partners. Commissioning will be per accepted industry practice and requisite standards.

Telecommunications Industry Association (TIA) and BICSI standards will be followed for the information and communications technology (ICT) infrastructure and structured cabling, as appropriate.

Technology vendors will be expected to provide acceptance test plans for review and approval by Mission Critical Partners and the counties prior to actual testing and subsequent acceptance, when all tests have successfully been demonstrated or passed. The acceptance tests will be witnessed by Mission Critical Partners.

As a rule, state codes, national standards, and best practices will be followed throughout the design, construction, commissioning, and acceptance of the facility itself and all associated technology.

32. Identify how data will be collected and presented.

Throughout the duration of the project, all documentation, including but not limited to, requests for qualifications (RFQs), architect proposals, schematic designs and associated revisions, construction bid documents, construction proposals, value engineering documents (if needed), monthly construction reports, technology requests for proposals (RFPs) and/or bids (RFBs), change orders, and all contracts will be collected in soft copy and hard copy (when applicable). All soft copies will be stored electronically in a shared project folder maintained by Mission Critical Partners, Halifax County's consultant and project manager. Photographic documentation throughout the project build will also be filed. The shared file will be set up by project area, such as construction and technology, with appropriate sub-folders for ease of access.

The project architect will have overall responsibility for maintaining all programming and construction documents, as well as requests for information (RFIs) and responses. Mission Critical Partners will have access to the documents. At facility acceptance, the contractor will provide a red-lined as-built set of construction documents to Halifax County to be kept at the new facility. In addition, the contractor will provide both a bound hard copy and soft copies on USB drives of the operations and maintenance (O&M) manuals for all building systems.

Upon completion of testing acceptance for the various technologies, the test documentation indicating the systems perform as expected will be provided to the NC 911 Board in PDF format.

At the end of each month, a report will be prepared and submitted to the NC 911 Board, in accordance with grant requirements, indicating the activities of the current month and anticipated activities for the upcoming month. Any issues, and resolutions if known at the time, will be documented in the monthly report as well.

At project closeout, Mission Critical Partners will ensure Halifax County as a soft copy of all relevant final project documents for historical reference. This will also be available to the NC 911 Board if requested.

North Carolina 911 Board Grant Application

The 2019 Grant Application has been created in Microsoft Word for ease of completion. It is recommended that you download this application into Microsoft Word so that you may be able to enter, cut, paste and edit as needed. This application is NOT compatible with IPad, Apple products or apps. It requires 'Active X Interaction'.

There are no character limitations to the amount of data you can enter into a free text screen; once the visible field is full the data will begin to scroll. Do not submit an application until you are sure that you will not need to change it. Do not convert the application to a PDF format. Attachments must be submitted in either MS Word, MS Excel or Adobe pdf format and reference which question (ie: number) the attachment accompanies.

After an application is completed and submitted, it may NOT be modified by the applicant. If there are questions after the submission, the applicant will be required to contact and work with 911 Board staff to accomplish those modifications.

This is a competitive grant process. After the "General Information", there are 25 questions that must be answered by all applicants plus an additional 7 questions that must be completed for those agencies seeking a consolidation grant. Each of the 32 questions are weighted differently and scored. Scoring is based on the content of the answer to the question asked. Scoring is not based on the length of the answer.

Once completed, the application along with any accompanying documents must be emailed to 911comments@its.nc.gov . Applications will only be accepted via email. Any application received from the U.S. Postal Service, fax or other media will not be accepted. The deadline for filing is midnight, Friday June 15, 2018. If you have any questions, please contact Pokey Harris at pokey.harris@nc.gov or phone at 919-754-6621.

General Information

Project Title NC SHP NG-911 Telephone System

Grant Fiscal Year – 2019

Project Director Michael Hodgson

Project Contact Robert Nathan Huey

Project Contact Title Patrol Telecommunications Manager

Address 4231 Mail Service Center

Raleigh, North Carolina 27699-4231

Phone (919) 662-4440

Email Project Director (mhodgson@ncshp.org), Project Contact (robert.huey@ncdps.gov)

Three types of grants are available, as described below. In the box following these descriptions, please select the Grant Type which most appropriately fits your request.

- **Consolidation** - A consolidation project involves combining one or more PSAPs with a primary PSAP with an integrated management structure that serves the same populations and jurisdictions previously served by offering grant funding for both PSAP costs authorized under G.S. 143B-1406(e) and costs not authorized under G.S. 143B-1406(e) to include construction costs.
- **Individual PSAP Enhancement/Replacement -** the relocation costs of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.
- **Regional Initiative Enhancement/Replacement** - Regional initiatives are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such initiatives comprise projects involving two or more primary PSAPs or a primary PSAP with approved secondary PSAPs. Costs of relocation of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.

Grant Type Regional Initiative Enhancement/Replacement

PSAP Name North Carolina State Highway Patrol

1. ***Has the Revenue/Expenditure Report for FY17 been completed and approved by the NC 911 Board Fiscal staff for the applicant PSAP?***

NO

2. ***Has the applicant PSAP implemented a plan and secured the means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP (backup plan)?***

NO

3. ***If the answer to #2 above is NO, please explain in detail why the plan has not been implemented?***

   The North Carolina State Highway Patrol (Patrol) is currently not considered to be a Primary PSAP and is seeking 2018 911 Grant Funds for consideration as a Secondary PSAP for the purpose of being able to receive indirect 911 calls transferred from a Primary PSAP. The Patrol has recently begun to install a new statewide VOIP telephone system to update its aging, disparate telephone systems that will allow for internal back up plans to be put into place to ensure that incoming calls from the public and other agencies are answered, regardless of the originating location or intended destination. The Patrol has not previously been eligble for consideration for 911 Grant funds and many of the questions or categories within this application are either non applicable to the Patrol by nature of it not being currently considered as a PSAP or no

previous history exists for which the Patrol could potentially report out on.

4, Has the North Carolina 911 Board been notified that backup plan has not been implemented?

[Select]

Project Description

Required for all grant types, this should be a thorough, concise, and complete description of the proposed project.

5. Please outline project goals and objectives.

The Patrol is seeking a grant allocation from the 911 Fund, supported by the North Carolina 911 Board, to outfit its five primary and one backup communications centers with Next Generation 9-1-1 (NG911) telephone capabilities. Currently the Patrol is only capable or receiving an inbound caller number that represents either the original callers information or the telephone number of the agency transferring the call. The Patrol has no means of deriving any of the ANI/ALI data that may be available to primary PSAP nor does it have the ability to receive that data when a call is transferred. The Patrol desires to receive sufficient funding from the 911 Fund to facilitate entering into an annual installation agreement with an approved equipment vendor and to receive service through the State of North Carolina's EsiNet such that the Patrol's primary and back up centers would be capable of receiving all available caller information when calls are transferred to the Patrol from any of the primary PSAP's within North Carolina. The end goal is for the Patrol communciations centers to be equipped with a compliant PSAP telephone system.

6. Please provide an implementation strategy and work plan, including a timeline.

Since the implementation of an NG 911system represents a completely new program for the Patrol communications centers, the Patrol has attempted to position itself in a manner that the necessary steps have been taken to prepare for a potential implementation of the NG911 technology. All Patrol communications locations are already integrated into the state's Division of Information Technology (DIT) network as well as operating within the Microelectronics Center of North Carolina (MCNC) fiber network at critical locations (Communications Centers included). As part of our internal FY2018-19 budget, the Patrol has provided sufficient funding to purchase items needed to facilitate the NG911hardware into its existing locations, to include but not limited to; monitors, PC's and associated components, UPS, adequate work and rack space along with network redundancy.

Being somewhat unfamiliar with the 911 Boards grant release schedule, the Patrol would expect, upon notification of an approved grant, to immediately engage representatives of the Board/DIT to understand the approved scope, internal deadlines and other expectations of the Board and DIT and then the vendors of record to perform on site visits at the target locations, along with

developing a list of items that the Patrol may need to have in place. The Patrol's Telecommunications Manager (PTM) will engage individual PSAP stakeholders to confirm their willingness to allow the Patrol to be considered as a secondary PSAP and to determine what data will/can be shared with the Patrol, once the NG911 telephone system is in place. Once these intitial determinations have been made, the Patrol will assign an internal Project Manager to create and manage a start to finish schedule and to coordinate said schedule with the vendor and subcontractors. As the project nears completion, the Patrol intends to employ a "train the trainer" approach for telecommunicator familiarization and training with a one shift supervisor and one telecommunicator of at least five years of Patrol TC training to be the initial trainees. The Patrol's goal is to the implementation of the NG911 telephone within twelve (12) months from receipt of the initial grant approval.

7. Please identify the interface or compatibility between existing equipment and/or software and that which you intend to purchase.

The Patrol has internal funding to purchase any and all personal computer (PC) hardware devices/peripherals and monitors necessary to facilitate a successful implementation.

Required for all grant types, this statement should reference the relationship of the grant project to NCGS §143b-1407(b) and the current funding priorities established by the Grant Policy and Procedures and include evidence of any financial need.

8. The North Carolina Department of Commerce annually ranks the state's 100 counties based on economic well-being and assigns each a Tier designation. The 40 most distressed counties are designated as Tier 1, the next 40 as Tier 2 and the 20 least distressed as Tier 3. Please indicate your PSAP or group of PSAPs tier ranking based on the NC Department of Commerce 2018 Tier Designation

Tier 3

9. Please identify funding priorities, their impact on operational services, and consequences of not receiving funding.

The Patrol's priority for this grant application is to receive sufficient annual funding to secure those funds necessary to equip each "seat" in the Patrol's five (5) primary and one (1) backup communciations center with the NG911 telephone technology. This reflects 32 seats in primary centers and 5 in the backup location for a total of 37 equipped seats available with the new technology. No one primary location ranks higher than another but for the purposes of prioritization, the 32 primary seats would be the highest priority to the Patrol with the inclusion of the 5 back up seats being the second priority. The Patrol does desire to equip all seats (primary and backup) initially if possible so that the backup location can be utilized as a "live" training location during familiarization training for all telecommunicators statewide.

The Patrol continues to be hampered by our ability to not receive adequate information about potential emergencies experienced by the members of the public when the original 911 calls are transferred by the primary PSAP to the Patrol's communications centers. This greatly impacts the Patrol's ability to offer timely and efficient response services to the public and citizens of North Carolina.

Should the Patrol not receive annual funding for the NG911 equipment identified, the Patrol communications centers and their respective staff will continue to operate at a disadvantage since incomplete caller information will be all that is available to them when a call is transferred from a primary PSAP.

10. Please provide a copy of your PSAP's long-term or strategic technology plan and identify how the project fits within it.

Since the Patrol is not currently considered a PSAP, a long termor strategic technology plan does not specifically exist, however a copy of the Patrol's current Strategic Plan (2014-18) is included in our response to this grant solicitation. The 2014-18 Strategic Plan Technology Goal, Objective #1 specifically identified the need to move the Patrol's communications center technological capabilities towards NG911 compliance to include a modernized CAD system as well as integration of NG911 telephony into our centers. The Patrol continues to interview and review prospective CAD vendors and anticipates seeking funding from Legislative sources to seek to replace the aging CAD

system within the next two year biennial budget beginning in FY2019-20. Receiving an annual appropriation to fund NG911 through the FY19 911 Board grant would allow the Patrol to lay the foundation for our technology improvements in the communications centers and would further solidify the Patrol's commitment to improving our current capabilities as well seek additional externa funds from the Legislature.

11. Please identify the likelihood of completing the project utilizing your 911 fund balance and the percentage of grant funding being requested in relation to total project costs.

As a relative newcomer to the availability to funds administered by the NC 911 Board, the Patrol does not, to our knowledge, have a specific allocation set aside as a "fund balance". The current Legislation under **§ 143B-1407** PSAP Grant and Statewide 911Projects Account does not specifically set aside a prescribed amount for the Patrol, however **§ 143B-1407 (f)** states that the Patrol is eligible to apply for grants fromt the PSAP Grant and Statewide 911 Projects Account against funds collected beginning 1 July, 2017. Since the Patrol is seeking an annual, "per seat" grant allocation, rather than a Capital expenditure request, 911 Board staff has indicated that based upon the $864 per seat, per month expense, that sufficient funds have been collected into the overall fund balance, since 1 July 2017, to be able to support the Patrol's anticipated annual funding needs.

Regional Initiative Enhancement/Replacement

Required for all Regional Initiative Enhancement/Replacement project types. Regional initiative enhancement/replacement projects are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such projects may involve two or more primary PSAPs.

12. What is the relationship of participating PSAPs to the initiative? Provide MOUs between

PSAPs identifying each participant PSAP's responsibilities to the project.

The Patrol does not currently have any MOU's in place with any Primary or Secondary PSAP's within the state since the Patrol does not currently operate as a PSAP. The Patrol understands and expects that should the 911 Board approve the Patrol's request for funding in this or any subsequent year, that it would be incumbent on the Patrol to enter into any and all MOU's necessary to facilitate a successful project implementation.

13. Identify intended collaborative efforts between participating PSAPs.

The Patrol does not currently have any collaborating efforts with existing PSAP's beyond normal day to day interaction handling communications between respective communications centers, their staff and members of the public.

14. Identify how resource sharing will take place.

If the 911 Board responds favorably to the Patrol's FY19 grant request, the Patrol does not anticipate having to rely on any resources external to the agency to facilitate a successful implementation of the grant.

15. Indicate how the initiative impacts the operational or strategic plans of the participating agencies.

Other than furthering the Patrol's internal Strategic Plan Technology subsection goal of implementing NG911 capabilities in our Patrol communications centers, we do not anticipate this grant initiative to impact the operational or strategic plans of other participating agencies.

***NOTE:** The following section on "Consolidation Project Plan" is ONLY required if your type of grant is a "Consolidation". If your project IS NOT a Consolidation, proceed to question # 23 to complete the grant application.*

16. Indicate how a consolidation would take place and improve service

This section is NOT applicable to the grant request being made by the Patrol.

17. Indicate how the consolidated PSAP should be organized and staffed
This section is NOT applicable to the grant request being made by the Patrol.

18. Indicate what services the consolidated PSAP should perform
This section is NOT applicatble to the grant request being made by the Patrol.

19. Indicate how consolidated PSAP policies should be made and changed
This section is NOT applicable to the grant request being made by the Patrol.

20. Indicate how the consolidated PSAP should be funded exclusive of grant funding
This section is NOT applicable to the grant request being made by the Patrol.

21. Indicate what changes or improvements should be made to inter-communications among the local governments participating in the consolidation in order to better support operations.
This section is NOT applicable to the grant request being made by the Patrol.

22. Discuss sustainability of the consolidation project during the proposed term of the project, and for the foreseeable future.
This section is NOT applicable to the grant request being made by the Patrol.

FINANCIAL DATA

23. Current 911 Fund Balance

Please refer to section 11. The Patrol has not been eligible for funds under the control of the NC 911 Board in the past and does not, to its knowledge, have a specific 911 Fund Balance unique to its agency.

24. Estimated June 30, 2017 911 Fund Balance

Please refer to section 23.

25. Amount Requested

The Patrol is requesting a total of $383,616.00 per year to fund this project. This consists of a total of $864 per "seat" across 32 primary, operational "seats" and an additional 5 backup "seats" per month for each of the twelve (12) months of the fiscal year. ($864 x 37 x 12).

26. Total Project Cost

The total project cost is anticipated to be $455,216.00. This consists of the grant requested amount of $383,616.00 along with the estimated cost of $55,500.00 for PC's/peripherals and $11,100 for monitors for each of the proposed 37 "seats" along with $5000 in network hardware to complete the installation via the Patrol's internal network. All internal labor costs to the project, to include project management, technical and engineering and traning, are identified as "in kind" and are anticipated to be performed by internal staff in support of the vendors and their authorized subcontractors.

Budget and Budget Narrative

A budget and budget narrative must be supplied for all types of projects, as well as a copy of the applicant agency's approved FY 2016 PSAP budget.

27. List by line item planned expenditures

The Patrol is seeking a grant from the 911 Board to specifically fund the following item(s):

1) A monthly allocation of $864 per telecommunicator “seat” at each of the Patrol’s five (5) active communications centers located in Raleigh, Elizabethtown, Salisbury, Newton and Monroe (total of 32 active “seats”).

   $27,648 monthly, $331,776 annually

2) A monthly allocation of $864 per telecommunicator “seat” at the Patrol’s one (1) backup communciations center located in Raleigh (total of 5 backup “seats”).

   $4,320 monthly, $51,840 annually

28. Provide a budget narrative that briefly explains the reason for each requested budget item.

The Patrol is seeking sufficient annual recurring funds from the PSAP Grant and Statewide 911Projects Account to fully equip a total of 37 “seats” within five (5) operational and one (1) backup Patrol communications center with NG911 capable telephone equipment for the purpose of acting as a Secondary PSAP to facilitate receiving 911 transfers from any of the locally operated Primary PSAP’s within the state such that Automatic Number Identification (ANI) and Automatic Location Information (ALI) data are transferable and interpretable by the Patrol communications centers. As requested above the Patrol has prioritized the grant request into two (2) priorities, with the first being the implementation of the enhanced NG911 telephone capabilities into our five (5) operation communications centers and the second being the implementation of the enhanced NG911 capabilities into our separate, backup communications center location. A separate line for each of these two (2) requests is provided in the appropriate response section.

29. If the project will have ongoing expenses, such as monthly or annual recurring charges, identify those expenses by line item including the projected costs and the specific sources for future/long-term funding and demonstrate how the project will be sustained in the future without additional 911 Grant Program funding.

The Patrol is seeking a grant from the 911 Board to specifically fund the following item(s):

3) A monthly allocation of $864 per telecommunicator “seat” at each of the Patrol’s five (5) active communications centers located in Raleigh, Elizabethtown, Salisbury, Newton and Monroe (total of 32 active “seats”).

   $27,648 monthly, $331,776 annually

4) A monthly allocation of $864 per telecommunicator “seat” at the Patrol’s one (1) backup communciations center located in Raleigh (total of 5 backup “seats”).

   $4,320 monthly, $51,840 annually

The Patrol is seeking a recurring allocation from the 911 Fund rather than a one time, Capital Expenditure request. Without an annual, recurring allocation from the Fund, the Patrol would be forced to consider two (2) alternatives for the NG911 telephony project.

A) Seek additional recurring funds from the Legislature as part of the Patrol’s overall annual budget requests during an Expansion Budget solicitation; or

B) Discontinue the NG911 service and release all equipment back to the vendor(s) of record.



All applications must include evaluation information. The final report shall include an evaluation demonstrating that the equipment or services funded by the grant have been purchased, installed/implemented, and are performing as expected.

30. Explain how your evaluation will measure the achievement of the goals and objectives identified in the Project Description with a timeline and milestones for meeting short, intermediate, and long term goals.

The Patrol will conduct a post implementation evaluation of the NG911 Telephone system once all thirty seven (37) telecommunicator "seats" are equipped with the new technology. The evaluation will consider the following achievements in a "pass/fail" format:

1) Is the Patrol telecommunicator now able to receive a 911 call, transferred from a primary PSAP upon completion of the implementation of the NG911 telephone system?
2) Is the Patrol telecommunicator able to determine the callers telephone number?
3) Is the Patrol telecommunicator able to determine the callers location, within the realm of the information provided by the carrier in question?
4) Has the Patrol telecommunicator received any further information about the caller and/or the callers location that may be relevant to the incident or call?

Since this grant, the proposed NG911 Telephone equipment and the anticipated implementation represent an initial installation and not a change or modification of currently available NG911 service levels, the Patrol has not set forth a short, medium or long range set of goals specifically beyond a successful grant award followed by the implementation phase and successful measurement against the above tasks to declare that the project has met its intended goals. As previously stated, the Patrol desires to receive the grant award notification from the 911 Board and move forward in a manner that will complete the installation within one fiscal year, unless the vendor of record provides some indication that this will be unachievable upon completion of the individual pre-implementation site reviews. Should a delay potentially occur, the Patrol will take immediate steps to update the 911 Board on any delays and impacts to the final project completion date.

31. Describe in detail how evaluations will be conducted, including performance parameters which must be met in order to meet acceptance criteria.

The Patrol will perform each of the four identified tasks at all of the thirty seven (37) identified telecommunicator positions identified across the five (5) primary locations and one (1) back up location to ensure that each location is fully capable based upon the goals and objectives outlined in this grant request. Succesful completion (Yes or No response to each evaluation criteria above) will be used to determine if a Pass or Fail approval or disapproval exists for each "seat". Once each location has been fully tested and all "seats" are deemed to have passed the evaluation, the goals and objectives of the grant will have been met. At which time, the Patrol will notify the 911 Board, in writing, that the goals and objectives have been met and will provide any supporting documentation desired or required by the Board to confirm the findings of the evaluators.

32. Identify how data will be collected and presented

The Project Manager for the requested grant shall provide each evaluator with an Excel spreadsheet that represents any one of the five (5) primary and one (1) back up locations that includes a breakdown of each "seat" to be tested, the four (4) tests to be performed and a column to capture the outcome of each test. Upon completion of the testing at the six (6) locations, the Patrol Project Manager will submit a certified copy of the test criteria and evaluator results to the 911 Board in a formal, written document within 30 days of the completion of the testing.

Once you are satisfied with your application, please email the completed application along with all attachments to 911comments@its.nc.gov The deadline for filing is midnight, Friday, June 15, 2018. **NO APPLICATIONS WILL BE ACCEPTED AFTER THAT DATE**

Once you have submitted the application including all necessary attachments, you will receive a reply email within 24 hours advising you that the grant application has been received. If you **DO NOT** receive the confirmation email within 24 hours, please contact Pokey Harris *pokey.harris@nc.gov* or call 919-754-6621

North Carolina 911 Board Grant Application

The 2019 Grant Application has been created in Microsoft Word for ease of completion. It is recommended that you download this application into Microsoft Word so that you may be able to enter, cut, paste and edit as needed. This application is NOT compatible with IPad, Apple products or apps. It requires 'Active X Interaction'.

There are no character limitations to the amount of data you can enter into a free text screen; once the visible field is full the data will begin to scroll. Do not submit an application until you are sure that you will not need to change it. Do not convert the application to a PDF format. Attachments must be submitted in either MS Word, MS Excel or Adobe pdf format and reference which question (ie: number) the attachment accompanies.

After an application is completed and submitted, it may NOT be modified by the applicant. If there are questions after the submission, the applicant will be required to contact and work with 911 Board staff to accomplish those modifications.

This is a competitive grant process. After the "General Information", there are 25 questions that must be answered by all applicants plus an additional 7 questions that must be completed for those agencies seeking a consolidation grant. Each of the 32 questions are weighted differently and scored. Scoring is based on the content of the answer to the question asked. Scoring is not based on the length of the answer.

Once completed, the application along with any accompanying documents must be emailed to 911comments@its.nc.gov . Applications will only be accepted via email. Any application received from the U.S. Postal Service, fax or other media will not be accepted. The deadline for filing is midnight, Friday June 15, 2018. If you have any questions, please contact Pokey Harris at pokey.harris@nc.gov or phone at 919-754-6621.

General Information

Project Title Orange County Resilient PSAP

Grant Fiscal Year – 2019

Project Director Dinah Jeffries

Project Contact Kevin Medlin

Project Contact Title Communications Operations Manager

Address Orange County Emergency Services

510 Meadowlands Drive, PO Box 8181

Hillsborough, NC 27278

Phone 919-245-6139

Email kmedlin@orangecountync.gov

Three types of grants are available, as described below. In the box following these descriptions, please select the Grant Type which most appropriately fits your request.

- **Consolidation** - A consolidation project involves combining one or more PSAPs with a primary PSAP with an integrated management structure that serves the same populations and jurisdictions previously served by offering grant funding for both PSAP costs authorized under G.S. 143B-1406(e) and costs not authorized under G.S. 143B-1406(e) to include construction costs.
- **Individual PSAP Enhancement/Replacement -** the relocation costs of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.
- **Regional Initiative Enhancement/Replacement** - Regional initiatives are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such initiatives comprise projects involving two or more primary PSAPs or a primary PSAP with approved secondary PSAPs. Costs of relocation of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.

Grant Type Individual PSAP Enhancement/Replacement

PSAP Name Orange County Emergency Communications

1. ***Has the Revenue/Expenditure Report for FY17 been completed and approved by the NC 911 Board Fiscal staff for the applicant PSAP?***

YES

2. ***Has the applicant PSAP implemented a plan and secured the means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP (backup plan)?***

YES

3. ***If the answer to #2 above is NO, please explain in detail why the plan has not been implemented?***

   Click or tap here to add text

4, Has the North Carolina 911 Board been notified that backup plan has not been implemented?

[Select]

Project Description

Required for all grant types, this should be a thorough, concise, and complete description of the proposed project.

5. Please outline project goals and objectives.

The Orange County Resilient PSAP Project has 6 main goals, each of which is described below.

1.) Bring Orange County's PSAP into compliance with 911 Board Rules and NFPA 12-21 Standards.

--The new Orange County Resilient PSAP will have the structural soundness, functional completeness, and facility security measures to meet or exceed the new Rules and standards set in 2016.

2.) Create a new highly survivable structure to house Orange County's Public Service Answering Point (PSAP)

--The new Orange County Resilient PSAP will establish a hardened PSAP that can be relied on in the event of acute or widespread disruptions to emergency operations in Orange County and neighboring counties

-- As identified in the Eno-Haw Hazard Mitigation Plan, the facility housing Orange County's PSAP is within the 90 mile-per-hour maximum wind zone for a tropical cyclone (Hurricane). Also, since 2006, the Iowa Environmental Mesonet has recorded 143 Severe Thunderstorm Warnings and 5 Tornado Warnings in the immediate area. The hardened portion of the new Resilient PSAP will be built to withstand wind speeds of up to 150mph and building it within the large existing steel shell of the warehouse will add impact resistance for projectiles (see Attachment - Q5 - Layout-Existing - Lower Level)

-- The facility that houses Orange County's current PSAP is within 3 nautical miles of 2 major interstates (40/85) and within 1 nautical mile of railroad transportation route. A commodity flow study completed in 2011 by the North Carolina Emergency Management Division found that this railroad spur sees an annual transport of more than 240 shipments of Anhydrous Ammonia, among many other hazardous materials. The air handling system of the new Orange County Resilient PSAP will be designed with the isolation, independence, and operator controls that are required within the current standards to ensure hazardous chemicals will not be introduced into the facility.

3.) Ensure neighboring counties have the space and connectivity that will allow them to operate at the Orange County PSAP as a backup.

-- This center will have the space, strength, and connectivity to serve the residents of Orange County and, through mutual aid agreements, the residents of Alamance, Caswell, Chatham, and Person Counties

-- Since 2015, an MOU has been in place with Alamance County for CAD to CAD connection for redundancy and information sharing (see Attachment - Q5-Q7-Q12-Q13 - Interlocal MOU between Orange Co. and Alamance Co.). Person County also has the compatible communications systems to enable CAD to CAD connectivity, and Chatham County is moving towards CAD compatibility as well. Relationships and regular communications are in place with Caswell County. Once the Orange County Resilient PSAP is in place, we will reach out to all of these neighbors to formalize our plans for mutual assistance using our MOU with Alamance as a model.

4.) Increase the space available to PSAP Communicators to accommodate necessary staff growth as County population grows and ages.

-- Over the next 10 years, the County population is expected to grow by 13%, and within that growth is a significant growth in our population aged 65 and older. Currently 24,000 Orange County residents are 65 and older, and among this group 11% have some type of related Alzheimer's or related dementias. By 2035 the aging population is estimated to be 26% of the population. A larger and older population is expected to increase the volume of 9-1-1 calls, particularly medical calls.

5.)Minimize the costs for this center through the innovative re-use of existing infrastructure.

-- The proposed design gives us the ability to build a new resilient PSAP for Orange County, without the need to purchase, set aside, or do site grading on new land, create new water/sewer, electrical, and communications connections, establish a new communications tower or pave new parking lots. This is expected to save $1.7

million in project costs based on current market rates per square foot of new hardened commercial construction.
-- The existing warehouse is oversized to meet current and future needs (see Attachment - Q5 - Layout-Existing - Lower Level) and could accommodate an expanded and hardened PSAP. The remaining 5,380sf portion of the warehouse is sufficient space to house 2 large vehicles and stage sufficient supplies to respond to County-level and region-level events.c. Over $300,000 in in-kind contributions from Orange County for this project have already been spent or committed (see Attachment - Q5-Q27 - Cost Spreadsheet).
6.)Follow the key recommendations of US Homeland Security's "DRAFT Preliminary Communications Network Infrastructure Assessment of Four-County Area in North Carolina" (Orange, Person, Caswell and Alamance)
-- In April of 2016, Orange County collaborated with US Homeland Security's Route Diversity Project of the Office of Emergency Communications. Six key recommendations were made, and at least four of these would be addressed in this project (paraphrased below).
i. Each 9-1-1 facility should establish and practice procedures to deploy and use mobile telecommunications equipment.---- Coverage by Project: Mobile cellular telecommunications systems are now deployable from NC Emergency Management. In an event that required the deployment of a redundant delivery system for 9-1-1 calls to Orange County's new Resilient PSAP location, these mobile units could be on-site quickly and would have the physical structure and electrical connections to maintain their operation as long as necessary.
ii. Each county should consider implementing dual private branch exchange (PBX) switches for their system redundancy (supports a secondary system of telephone lines to complete calls).---- Coverage by Project: A second delivery point for 9-1-1 communications was created in 2017 with the creation of Orange County's backup PSAP, and is tested every 90 days. The new Resilient PSAP would have the capacity to provide an additional storm-rated delivery point for our neighboring Counties' PSAPs, allowing them to log in and immediately answer calls.
iii. All electronic equipment should be physically distributed to avoid creating a single-point-of-failure for communications systems.---- Coverage by Project: The server closet in the Resilient PSAP will be large enough to house distributed redundant backups for our neighboring PSAPs, allowing them to have their data waiting for them should they need to activate at our location. Reciprocally, our data and system functionality will be backed up at their locations. This server room will be separately cooled and backed up by a new UPS system and generator. Orange County will not be able to provide these backup measures without additional space and mechanical/structural enhancements.
iv. Each county should consider cybersecurity in the design of their systems and system operations.
---- Coverage by Project: In the event of a cybersecurity attack, the equipment, MOUs, and regular joint training regime proposed in this project would allow any partnering PSAP to activate redundant data, equipment, and communications lines.

6. Please provide an implementation strategy and work plan, including a timeline.

Implementation Strategy:

If funded, this project will proceed quickly. Careful project scoping and initial planning has already created a functional design that will meet the needs of the Orange County PSAP now and as the County grows over the next 10 years. Once funded, this design and planning will be able to translate quickly into a bid package and then an active construction project.

With hurricane season approaching and continued tracking of local natural and man-made hazards, we are regularly reminded of the vulnerabilities of our Orange County's current PSAP. Initially developed as an audio/video manufacturing facility, the steel-shelled building that houses Orange County's PSAP has several useful amenities and a great location, but it was not built to survive extreme weather. As NFPA standards have been updated, upgrading the facility or building a new facility to meet them has lagged

Another reason that we plan to proceed quickly is to keep costs as low as possible. Construction costs have been rising quickly in the commercial and residential sectors throughout the Triangle area as the population has grown. According to a March 2018 report from residential development consultant Metrostudy, the average sale price of new housing

across the Triangle increased 30% between 2010 and 2018. Locking in construction costs quickly should allow for the lowest overall project costs.

Developing the new PSAP on-site will greatly increase the speed of construction, minimize the disruption of relocating operations, and decrease the infrastructure costs and regulatory hurdles. Re-claiming under-utilized space in the warehouse of the current facility also reduce the tendency to use the space for non-emergency storage and better aligns the facility to the core mission of the Orange County Emergency Services department.

This project contains all of the costs to build a compliant and resilient PSAP along with its essential supporting facilities and security measures, and this is part of the larger vision for the Orange County Emergency Services Department (see Attachment - Q6-Q10 - OCES_StrategicPlan_2014). Consistent with the elements of the plan that go beyond the Orange County Resilient PSAP, Emergency Services will be asking Orange County to support an upgrade in the capacity and facilities of the other main divisions: Emergency Management, EMS, and Fire Marshall. Some preliminary sketches have been drawn up for parts of the facility **not included in this grant project**. A portion of these can be seen in the unshaded portion of the conceptual layout provided (see Attachment - Q6-Q9-Q28-Q30 - Layout-Proposed - Lower Level), but again these modifications are not included in this grant application.

Work Plan and Timeline:

Project Management will be done in house by the Orange County Capital Projects Manager in concert with the Communications Operations Manager and Project Director. Monthly meetings will be held as building designs are finalized, and throughout the construction period to align expectations and schedules. An independent 3rd party commissioning agent will be engaged to ensure that the final project design and engineering specifications are met by all contractors, and they will provide regular reports to the project team. Following construction and initial inspections, structural assessment will be completed every 5 years to ensure the resilience of the PSAP is not compromised.

The initial steps of this project began in 2016, and now that the feasibility and functionality plans in place, the remainder of the project will be able to be completed in just over a year, pending funding approval. The beginning of the project timeline is dependent upon the timing of the grant award, but the relative timing of all milestones should not change once the project begins.

Pre-project Timeline (Completed to date):

- Summer/Fall 2016 – Updates to 911 rules (NC Administrative Code, subchapter 6c) led Orange County Emergency Services to make a request for a backup PSAP and a more resilient primary PSAP.
- Winter 2017 – Design of Backup PSAP.
- Spring 2017 – Backup PSAP built in basement of existing County building.
- Summer 2017 – Contract for preliminary design work for a new more resilient PSAP awarded to Stewart-Cooper Newell.
- Fall/Winter 2017 – Engagement with PSAP staff and the creation and review of a feasibility study for on-site and off- site PSAPs.
- Spring 2018 – Request to Orange County for funding for new resilient on-site PSAP based on minimum design requirements. Board of Orange County Commissioners delays consideration of project funding for 5 years due to budgetary constraints arising from the loss of local authority to levy impact fees on new development.
- Summer 2018 – A small related project to build redundant HVAC infrastructure for the current PSAP is approved and will be installed. This HVAC system will be built to the standards of size and resilience to be able to serve the new PSAP once funded, as a redundant system. Also beginning this summer is a complete refresh of our CAD system including all operator consoles, supported with 9-1-1 funds and our operational budget from Orange County.

Project Timeline:

- Summer/ Fall2018 – Upon notice of grant award and approval by the Board of Orange County Commissioners, The current contract for preliminary design work with Stewart-Cooper Newell will be expanded without need for an additional bid, and this would further accelerate the process of finalizing the design.

Based on this application and final architectural and engineering designs, a construction bid package will be created and an RFP will be released so that vendors for the construction will be selected.

Emergency Services staff will prepare site and redistribute or relocate warehouse functionality as needed to other County facilities.

- Winter/Spring 2019 – Finalize designs and construction documents. Work with state and local officials to receive design approvals. Bid and award the project and begin construction.
- Summer/Fall 2019 – Construction of new hardened structure, electrical, security fence, etc.
- Winter 2020 – Finishing of center interiors and connections to communication networks. Finalize construction, move equipment, and open new resilient PSAP.

7. Please identify the interface or compatibility between existing equipment and/or software and that which you intend to purchase.

There will be no equipment or software incompatibilities created by this project. The 9-1-1 telecommunicator CAD equipment is being refreshed as part of 2018-19 fiscal year ETF budget and will be moved from the current PSAP to the new PSAP. Current CPE and radio equipment will be moved to the new center as it is still within its 4-year replacement cycle. No new software will be purchased through this project. All current software matches best practices and is updated regularly.

Compatibility with neighboring county PSAPs:

In the event that the Alamance PSAP is evacuated and their backup does not fully meet their needs, the alignment of our CAD, radio, and phone systems means that they could easily move their telecommunicators into our facility (see Attachment - Q5-Q7-Q12-Q13 - Interlocal MOU between Orange Co. and Alamance Co.). This is the reciprocal model that we propose to replicate to the fullest feasible extent with our other neighboring counties, once we have a PSAP that meets current standards for safety and security.

OC 9-1-1 delivery systems are also compatible with the PSAPs in Alamance, Caswell, Chatham, and Person Counties, or have the ability to reroute. CAD systems in Alamance and Person match those in Orange County and enable CAD to CAD systems and ability to transfer call information between PSAPs allowing seamless backup operations. For Caswell and Chatham backup protocols are in place to track emergency calls in the case that their PSAPs require the use of the new Orange County facility.

All of the Emergency Services Directors for Alamance, Caswell, Chatham, and Person Counties have been contacted to inform them of our intention to pursue the creation of this Resilient PSAP and what it might provide them in communications redundancies. If this proposal is funded, we will reach back out to them to engage them in the final design process and the creation of the MOUs that will form the basis for increased future coordination.

Statement of Need

Required for all grant types, this statement should reference the relationship of the grant project to NCGS §143b-1407(b) and the current funding priorities established by the Grant Policy and Procedures and include evidence of any financial need.

8. The North Carolina Department of Commerce annually ranks the state's 100 counties based on economic well-being and assigns each a Tier designation. The 40 most distressed counties are designated as Tier 1, the next 40 as Tier 2 and the 20 least distressed as Tier 3. Please indicate your PSAP or group of PSAPs tier ranking based on the NC Department of Commerce 2018 Tier Designation

Tier 3

9. Please identify funding priorities, their impact on operational services, and consequences of not receiving funding.

Relationship of the grant project to NCGS §143b-1407(b):

This project meets the purpose and eligibility requirements listed in NCGS §143b-1407(b) "PSAP Grant and Statewide 911 Projects Grant Application":

(1) "The costs estimated in the application are reasonable and have been or will be incurred for the purpose of promoting a cost-effective and efficient 911 system."

   a. All costs included in the grant will promote the effective and efficient operation of Orange County's PSAP. Care has been taken to minimize project costs, leading to the decision to build the new PSAP on top of existing infrastructure.

(2) "The expenses to be incurred by the applicant are consistent with the 911 State Plan."

a. Section § 62A-47 “PSAP Grant Account” states that the purpose of the grant account is to make grants to “rural and other high-cost areas”. While the Orange County PSAP is not in a rural area, the costs of equipment, services, and construction in the Triangle region are high.

b. Project expenses are consistent with North Carolina’s 2010 911 Plan in that they will bring our PSAP “into compliance with minimum operational standards.” Relocation of our PSAP into a hardened ground-floor structure with improved security and mechanical systems is necessary to meet the 2016 updates to the 911 rules in the NC Administrative Code.

(3) “The costs for consolidating one or more PSAPs with a primary PSAP, the relocation costs of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.”

a. All costs for this project are capital expenditures that enhance Orange County’s 911 system, and through existing and planned MOUs will provide a resilient redundant backup center for all of our neighboring counties.

Priorities for funding in this project are all illustrated within the shaded area of the proposed layout (see Attachment - Q6-Q9-Q28-Q30 - Layout-Proposed - Lower Level). Within that shaded area, the spaces fall into three priority tiers:

1.) The highest priority for this project is to create a PSAP that meets current standards, which is resilient to natural and man-made hazards, and has the space and connectivity to meet current and future needs and the redundancy needs of our neighboring Counties’ PSAPs. Of primary importance within this priority are the 9-1-1 Communications Room, the Electrical/Sever HVAC/Server Rooms, and the Kitchen Locker Rooms/Restroom facilities.

a. Impact on operational services – These spaces are essential to the daily functioning of Orange County’s PSAP. The new communications room will have the space to expand to 2-4 additional consoles to manage the growth of the County and the server room will have the space and independence to accommodate growth and provide redundant backups to neighboring PSAPs. Building in this location minimizes costs, and efficiently increases the functionality of what is currently underutilized warehouse space.

b. Consequences of not receiving funding – Our current facility does not have the space, structural resilience, or security measures in place to meet current standards and provide reliable service to Orange County residents and reliable redundancy to our neighbors. We are sheltering in place during tornado warnings in an unstable structure. There would also be continued environmental hazards such as decomposing body gases rising up through the vents into the Comm Center. This project would provide funding needed to relocate the aging body cooler. There would continue to be security vulnerabilities such as the single locked interior door separating PSAP staff and unscreened building visitors. This door can be penetrated. Currently, 9-1-1 Telecommuicators must also leave the secure Comms Room and move into the non-secure shared area of the facility to access restrooms and the kitchen. Funding from the Orange County general fund was unexpectedly restricted when in 2017 the State Legislature moved to take away the local authority for Orange County to levy impact fees on new development. In preparation for the FY19 budget the County commissioned Management Partners to conduct a study on the fiscal outlook over the next 5 years. Their report concluded that expenses are now exceeding revenues due to the loss of impact fees and the lack of a commercial tax base, and this may take several years to correct. During the next few years County funding and debt capapcity will also be tied up in other essential and long-awaited Capital projects such as replacing the County Jail. If grant funding is not provided for this project, the likely result is a delay of 5-years or more, which will create a

significant strain on PSAP staff,equipment, and infrastructure.

2.) The second-tier in our priority list would be the Sleep/Training/Storage Room block and the security fence/gate.
    a. Impact on operational services - These rooms provide 9-1-1 Telecommunicators with the room and on-site supplies storage to maintain operations in an extended emergency situation. During normal daily operations the Training and Sleep Rooms will provide quiet spaces for conferencing and trainings without distracting the Telecommunicators on-duty. The inclusion of these rooms also provides a significant increase to structural resilience by extending the hardened masonry shell from exterior wall to exterior wall. The security fence and gate are essential to bring the facility into compliance with the current 9-1-1 rules and to ensure that all vehicles and people who approach the facility are meant to be there.
    b. Consequences of not receiving funding – If this tier were not funded, PSAP staff would be less able to sustain the long hours that may be required in the event of a major emergency as they would not have on-site sleep rooms to cycle through. Currently, without sleeping quarters staff either uses offices until they are needed or we have to use our operational monies to shelter at hotels. There would also continue to be little security around the building other than cameras, so unrestricted access to people and vehicles would continue.
3.) The third tier in our funding priorities for this project is to create office space for critical supporting functions for the PSAP.
    a. Impact on operational services – These spaces maintain a standard of training and remedial training and allow for personnel meetings where confidentiality is vital. Retaining a well-trained administrative staff that supports 9-1-1 requires supplying them with space, and this project would cluster these staff near the communications staff they support. This project provides them with the equipment and space needed to get the job done on a daily basis.
    b. Consequences of not receiving funding – If this tier were not funded, the existing office spaces would serve some of the identified needs of 9-1-1 support staff, however the offices would need to be redistributed and the aging equipment and furniture re-used to serve this new purpose. This will diminish their ability to effectively develop training for PSAP staff, ensure quality control of 9-1-1 services and support the PSAP's IT needs. Within this tight labor market, staff retention may become an issue if the facilities to support these essential staff are not updated over the next 5 or more years.

10. Please provide a copy of your PSAP's long-term or strategic technology plan and identify how the project fits within it.

The strategic technology plan for Orange County's PSAP is contained within the 2014 OCES Strategic Plan (see Attachment - Q10 - OCES_StratPlan_v1.0_03-12-14, pages 11-12). The relevance of this project to this plan is briefly discussed below.

The new Resilient PSAP will embrace next generation technology and allow for greater regional collaboration while maintaining fiscal responsibility through the innovative reuse of existing infrastructure. Under Strategic Goal #1, it will improve customer service by allowing 9-1-1 telecommunications and other support staff to grow to accommodate increased call volumes. Under Strategic Goal #2, this project will improve business processes. This survivable space and increased server capacity will allow for additional reciprocal partnerships with our neighboring counties' PSAPs, allowing them to reliably serve there residents in times of disruption. Aligning with Strategic Goal #3, this project will improve technology for stakeholders and customers by increased

CAD integration by partner PSAPs. Building a new Resilient PSAP helps to directly carry out Strategic Goal #4: “Improve the work environment for employees”. Besides the improvements to safety and security, the new furniture will support better ergonomic positions and the training room and improved office spaces for the training staff will help to provide PSAP staff with quality education, training and career development. In 2019 the 5-year update to the PSAP Strategic Technology Plan will be informed and improved by the final collaborative design process for the new Resilient PSAP.

11. Please identify the likelihood of completing the project utilizing your 911 fund balance and the percentage of grant funding being requested in relation to total project costs.

This project would not be possible to complete with Orange County’s existing 9-1-1 fund balance. 100% of the total project costs are being requested in this grant funding application.

Regional Initiative Enhancement/Replacement

Required for all Regional Initiative Enhancement/Replacement project types. Regional initiative enhancement/replacement projects are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such projects may involve two or more primary PSAPs.

12. What is the relationship of participating PSAPs to the initiative? Provide MOUs between PSAPs identifying each participant PSAP's responsibilities to the project.

N/A. While this grant project will enable Orange County’s PSAP to support expanded collaborations in the future, our PSAP is the only one directly involved. MOUs for reciprocal support with neighboring Counties will be pursued once Orange County has a PSAP that complies with the latest standards, with the space and strength to be a reliable partner in all conditions. The MOU we have with Alamance County for reciprocal support will be the model we aim to replicate (see Attachment - Q5-Q7-Q12-Q13 - Interlocal MOU between Orange Co. and Alamance

Co.).

13. Identify intended collaborative efforts between participating PSAPs.

Since 2015, PSAPs in Orange County and Alamance County have joined together in an MOU (see Attachment - Q5-Q7-Q12-Q13 - Interlocal MOU between Orange Co. and Alamance Co.) to provide support to one another in any event where communications need to be transferred (call processing equipment outage, evacuation for severe weather or structural failure, etc). As Alamance and Orange Counties are both on the Intrado/West network, an abandonment rerouting request can be achieved rapidly and all CAD functions will transfer seamlessly. This plan is tested, in conjunction with Alamance County, and each shift, every ninety (90) days. This partnership will be strengthened by the new Resilient PSAP facility and our collaboration with Alamance is the model we aim to replicate with Person, Caswell, and Chatham.

14. Identify how resource sharing will take place.

Resources will not need to be physically shared in most cases in order to provide a high level of redundancy. In the Orange County PSAP Backup COOP, Alamance serves as a temporary answering point that can be activated with the flip of a switch once permission is given. This allows PSAP staff to relocate to the backup center with no interruption in service. Alamance can then come offline once the backup systems are activated. This requires good coordination and regular training exercises, but what is shared is existing bandwidth and staff time. Only in the unlikely event of a full evacuation of PSAP staff to Alamance would physical equipment and space sharing need to take place. That situation would require both Orange County's primary and backup PSAPs to have failed.

15. Indicate how the initiative impacts the operational or strategic plans of the participating agencies.

While this grant project will enable Orange County's PSAP to support expanded collaborations with our neighboring PSAPs in the future, we the only one directly involved in this application. That said, creating a new highly survivable structure in Orange County will provide increased reliability to Alamance County's PSAP due to our established reciprocal support MOU.

***NOTE:** The following section on "Consolidation Project Plan" is ONLY required if your type of grant is a "Consolidation". If your project IS NOT a Consolidation, proceed to question # 23 to complete the grant application.*

16. Indicate how a consolidation would take place and improve service

Click or tap here to enter text.

17. Indicate how the consolidated PSAP should be organized and staffed

Click or tap here to enter text.

18. Indicate what services the consolidated PSAP should perform

Click or tap here to enter text.

19. Indicate how consolidated PSAP policies should be made and changed

Click or tap here to enter text.

20. Indicate how the consolidated PSAP should be funded exclusive of grant funding

Click or tap here to enter text.

21. Indicate what changes or improvements should be made to inter-communications among the local governments participating in the consolidation in order to better support operations.

Click or tap here to enter text.

22. Discuss sustainability of the consolidation project during the proposed term of the project, and for the foreseeable future.

Click or tap here to enter text.

FINANCIAL DATA

23. Current 911 Fund Balance
$747,269

24. Estimated June 30, 2017 911 Fund Balance
$682,821

25. Amount Requested
$2,765,065

26. Total Project Cost
$3,079,116

Budget and Budget Narrative

A budget and budget narrative must be supplied for all types of projects, as well as a copy of the applicant agency's approved FY 2016 PSAP budget.

27. List by line item planned expenditures

General note on requested budgets:

Please note that beyond providing the FY2016 PSAP budget as requested in the instructions for this section (see Attachment - Q27 -1- Budget-ETF FY2015-16), the two more recent approved PSAP budgets for FY17 and FY18 have also been attached for reference in case they are needed (see Attachment - Q27 -2- Budget-ETF FY2016-17; and Attachment - Q27 -3- Budget-ETF FY2017-18). As you may notice in comparing the three budgets, personnel costs were partly accounted for in the FY16 PSAP budget, and then in subsequent years they are not listed. These expenses were pulled into the broader departmental budget to be tracked alongside personnel costs for all of Orange County Emergency Services.

Line item expenditures:

(see Attachment - Q5-Q27 - Cost Spreadsheet)

28. Provide a budget narrative that briefly explains the reason for each requested budget item.

CONSTRUCTION EXPENSES

Renovate Portion of Warehouse into new 911/Server/Elect/Mechanical Rooms (Hardened):
Build hardened replacement PSAP and server room inside a portion of existing warehouse. Re-route existing redundant HVAC, and build new mechanical, life safety and HVAC systems. Build two sleep rooms and a 9-1-1 training room (see shaded area on Attachment - Q6-Q9-Q28-Q30 - Layout-Proposed - Lower Level).

Offices and Support Spaces:
Build and reassign first floor offices to serve PSAP support staff. Create direct and secure access to restroom/kitchen/locker room space for PSAP staff. (see shaded area on Attachment - Q6-Q9-Q28-Q30 - Layout-Proposed - Lower Level).

Security Fence:
A continuous security fence will be constructed to ensure only authorized persons and vehicles are allowed to approach the facility housing the PSAP in accordance with 09 NCAC 06C .0402.

Security Gate:
An electronically controlled security gate will be constructed to ensure only authorized persons and vehicles are allowed access to approach the facility housing the PSAP in accordance with 09 NCAC 06C .0402.

CONSTRUCTION SERVICES AND FEES

Fit, Finish, and Contingency (20%):
Furniture for Offices and Support Spaces, door card readers, lighting, HVAC balancing, IT connectivity, and construction uncertainties

Architectural and Engineering Fees (10%):
Fees to finalize the design and engineering based on current conceptual plans

Special Inspections (2%):

Special inspections required by County/State/911 Board

3rd Party Commissioning (1%):
Necessary for independent evaluation and assurance that project is built to specifications. Scoped to avoid overlap with Special Inspections.

OTHER PROJECT EXPENSES AND IN-KIND

9-1-1 Telecommunicator Furniture:
Xybix console furniture and 24-hour chairs. Current console furniture is 9 years old and are in need of replacement as they have met there useful life both physically and technologically.

Moving, Reconnecting, and Testing Telecommunications Equipment:
MCC7500 move and testing – received quote for $15,000
VESTA move and testing – received quote for $38,160

CAD move (in-house):
PSAP staff will manage the relocation and reconnection of all CAD equipment

Construction Project Management:
The Orange County Capital Project Manager will coordinate the work of all contractors from design through close-out to safeguard timeline and budget

Contract to Design Conceptual Layouts:
Contract with Stewart Cooper Newell over the past year to engage with PSAP staff and create a functional design for the new resilient PSAP

Redundant HVAC:
Auxiliary HVAC units are being installed on the exterior of the current facility. Measures will be taken to ensure their independence and security in accordance with 09 NCAC 06C .0402. Their duct work will be re-routed to serve only the new PSAP once it is under construction.

9-1-1 CAD Equipment Refresh:
9-1-1 Communicator CAD equipment is being refreshed as part of 2018-19 fiscal year ETF budget and will be moved from the current center to the new center.

29. If the project will have ongoing expenses, such as monthly or annual recurring charges, identify those expenses by line item including the projected costs and the specific sources for future/long-term funding and demonstrate how the project will be sustained in the future without additional 911 Grant Program funding.

Ongoing expenses for the Orange County Resilient PSAP will be similar to current ongoing PSAP expenses. These new expenses will continue to be covered by 911 funds and Orange County's operating budget as appropriate. The expansion of the 9-1-1 Communications room will initially accommodate 13 consoles instead of the current 11 consoles, so this will require an 18% increase in phone connectivity bills from Motorola and Intrado/West. And the UPS equipment service contract from Eaton is expected to increase 5-10% due to the additional load. These increases will not require additional 911 Grant Program funding.

As for the proposed regional PSAP backup coordination that this grant program will enable, it should not be necessary for our partners to ask for their own grant funds to make their technology

and networks compatible with ours. In normal circumstances they will be able to add compatibility over time through base 9-1-1 funding.



All applications must include evaluation information. The final report shall include an evaluation demonstrating that the equipment or services funded by the grant have been purchased, installed/implemented, and are performing as expected.

30. Explain how your evaluation will measure the achievement of the goals and objectives identified in the Project Description with a timeline and milestones for meeting short, intermediate, and long term goals.

Goal 1 - Bring Orange County's PSAP into compliance with 911 Board Rules and NFPA 12-21 Standards.

Short-term Timeline and Milestones (Pre-construction):

The Orange County Capital Projects Manager will create a Project Team including Project Director Dinah Jeffries, Project Contact Kevin Medlin, architects and engineers from Stewart Cooper Newell to ensure all rules and standards are followed in the creation of the final design and construction documents. As previously discussed in question 7, representatives from neighboring PSAPs will also be invited to join the Project Team. They will provide additional oversight and perspective under this goal to ensure standards are met.

An independent 3rd party commissioning agent will be selected to review the final design and construction documents and help in the creation of a detailed construction bid package and RFP. This will be used to advertise the project and select construction contractors.

Intermediate-term Timeline and Milestones (During and for one year following construction):
Throughout the project the commissioning agent will conduct site inspections and audits to review and verify that the project specifications are being carried out as designed.

Special inspections required by current standards will be carried out once the construction is complete. These will ensure that the project has been built correctly and all applicable codes and standards have been met.

Long-term Timeline and Milestones (Over the next 20-30 years):
Following construction and initial inspections, a structural assessment will be completed every 5 years to ensure the resilience of the PSAP is not compromised, and that the facility is compliant with the 9-1-1 Board Rules and NFPA Standards that are in place at that time. Any deficiencies will be reported to the Emergency Services Director to be addressed through Orange County Facilities Maintenance funds or other appropriate source.

Goal 2 - Create a new highly survivable structure to house Orange County's Public Service Answering Point (PSAP).
Short-term Timeline and Milestones (Pre-construction):
The Project Team will engage with Orange County Emergency Management to ensure that the Resilient PSAP project designs ensure a high level of survivability considering all applicable hazards. Current conceptual design already address three of the top 7 hazards identified in the Eno- Haw Regional Hazard Mitigation Plan which relate to high winds (Tropical/Extratropical Wind (Hurricane), Thunderstorm Wind, and Tornado). The walls of the hardened structure will withstand wind speeds of 150mph. That said, Emergency Management will be engaged to guide the design on other high and moderate-risk natural hazards including winter storms and flooding as well as technological or intentional hazards resulting from proximity to transportation corridors.

Intermediate-term Timeline and Milestones (During and for one year following construction):
As described in Goal 1 above, throughout the project the commissioning agent will ensure that the project is being built as designed, and the required special inspections will verify once the construction is complete.

Long-term Timeline and Milestones (Over the next 20-30 years):
As the building ages structural inspections will confirm the continued integrity of the Resilient PSAP. As identified hazards change in type or intensity, necessary capital improvements can be suggested in the Eno-Haw Hazard Mitigation Plan or the Orange County Capital Investment Plan.

Goal 3 - Ensure neighboring counties have the space and connectivity that will allow them to operate at the Orange County PSAP as a backup.
Short-term Timeline and Milestones (Pre-construction):
The attached conceptual layout shows two additional telecommunicator consoles will be added, bringing the total to 13 (see Attachment - Q6-Q9-Q28-Q30 - Layout-Proposed - Lower Level). Also, when set up with appropriate CAD-to-CAD connectivity, existing workstations can be used to serve calls from other Counties. Therefore, in extreme cases when neighboring PSAPs evacuate and their backup PSAPs are insufficient or inoperable to Orange County, this facility will have room to accommodate 2-4 additional telecommunicators. The layout also shows a large and independent server room which will have the space and cooling equipment to accommodate additional servers if necessary. Representatives from neighboring PSAPs will be invited to join the Project Team before construction to verify that this will meet their needs.

Intermediate-term Timeline and Milestones (During and for one year following construction):
Once the design details are finalized and construction starts, additional MOUs with PSAPs in neighboring counties can be pursued in parallel so that they can be approved in a timely manner once the project is complete.

As described in Goal 1 above, throughout the project the commissioning agent will ensure that the project is being built as designed, and the required special inspections will verify once the construction is complete.

Long-term Timeline and Milestones (Over the next 20-30 years):
Over the long term, the increase in regional collaboration and redundancy that this project will enable may allow for closer alignment of hazard mitigation, cyber security, and resiliency plans that could increase preparedness and diminish impacts more broadly for PSAP operations and emergency management.

Goal 4 - Increase the space available to PSAP Communicators to accommodate necessary staff growth as County population grows and ages.
Short-term Timeline and Milestones (Pre-construction):
As Discussed in Goal 3 above the new Resilient PSAP will have two additional telecommunicator consoles, bringing the total to 13.

Intermediate-term Timeline and Milestones (During and for one year following construction):
As described in Goal 1 above, throughout the project the commissioning agent will ensure that the project is being built as designed, and the required special inspections will verify once the construction is complete.

Long-term Timeline and Milestones (Over the next 20-30 years):
The 18% growth in operator consoles should be enough to accommodate 10-15 years of growth if call volume scales in proportion to expected population growth and aging patterns. Telecommunicator input will be solicited over time and data collected through EcATS on the accuracy of 9-1-1 call data will be able to catch any issues resulting from call volume increases. The existing floorplan of the new Resilient PSAP Comms Room will be able to accommodate some investments in additional staff and workstations when necessary.

Goal 5 - Minimize the costs for this center through the innovative re-use of existing infrastructure.
Short-term Timeline and Milestones (Pre-construction):
The project budget has been designed to save $1.7 million in project costs by avoiding the acquisition of a new parcel of land and development of new basic infrastructure. The Orange County Capital Projects Manager will balance the interests of the project team to stay within the project budget.

Intermediate-term Timeline and Milestones (During and for one year following construction):
The Orange County Capital Projects Manager and the commissioning agent will monitor the construction closely and minimize the need for expensive change-orders. At project close-out, they will hold contractors accountable for any final work or adjustments necessary to fulfill the specifications.

Long-term Timeline and Milestones (Over the next 20-30 years):
In the long-term if further expansions are necessary, the remainder of the warehouse space can be converted and those logistical operations can be accommodated elsewhere. This will allow for this efficient resource use model to continue.

Goal 6 - Follow the key recommendations of US Homeland Security's "DRAFT Preliminary Communications Network Infrastructure Assessment of Four-County Area in North Carolina" (Orange, Person, Caswell and Alamance)
Short-term Timeline and Milestones (Pre-construction):
Project designs will ensure that mobile telecommunications equipment can be supported with power hookups whenever they might be needed on-site. Also, as discussed previously, neighboring PSAP partners will help ensure that the space in the Comms room and server room is sufficient for them to rely on in the event that it is necessary.

Intermediate-term Timeline and Milestones (During and for one year following construction):
As described in Goal 1 above, throughout the project the commissioning agent will ensure that the project is being built as designed, and the required special inspections will verify once the construction is complete.

Long-term Timeline and Milestones (Over the next 20-30 years):
As discussed in Goal 3, over the long term, the increase in regional collaboration and redundancy that this

project will enable may allow for closer alignment of hazard mitigation, cyber security, and resiliency plans.

31. Describe in detail how evaluations will be conducted, including performance parameters which must be met in order to meet acceptance criteria.

Evaluations will be conducted by several parties throughout project implementation. A description of the evaluations and their performance parameters is below for each evaluating party:

Capital Project Manager - As the Construction Project Manager, all contractors will report their progress and plans to her and she will ensure that the Project Team is made aware and has a chance to provide input.
Performance Parameters – This project will be carefully scheduled to move it forward in the most expedient fashion. If contractors do not meet project deadlines, the Capital Projects Manager will hold them accountable.

Project Director - As the convener of the Project Team, they will balance the interests of the Project Team, but they will be the principal decision maker. They will be kept appraised of all project progress.
Performance Parameters – If the operational needs that this project is aiming to fulfill are jeopardized at any point, the Project Director will offer guidance to remedy it.

3rd Party Commissioning Agent – They will perform on-site inspections of the work of all project contractors. They will check the work that is done by all trades against the detailed project specifications to ensure that the facility is built based on the approved plans.
Performance Parameters – If the commissioning agent identifies an issue with the type or quality of the work completed, they will immediately inform the contractor, the Capital Projects Manager and the Project Director. The contracts will be written to enable funding to be withheld from a contractor until the issue is remedied.

Structural Analysis Inspector – Over the long term, the structural integrity of the facility will be analyzed to ensure it complies with current and future standards. If an issue is identified, the Project Director or the current Emergency Services Director will be notified and corrective measures will be taken immediately or budgeted for future upgrades as the situation will dictate.
Performance Parameters – The walls of the Resilient PSAP will be constructed to withstand 150mph winds and this will be measured and maintained over time. The 911 Board Rules and the NFPA code will be upheld in the initial construction and over time.

Communications Operations Director – As the Project Contact, the Communications Operations Director will be closely involved in the initial design and use of the new facility over time. They will be the lead subject matter expert on the Project Team for what technology and operational concerns need to be addressed.
Performance Parameters – Project design will be governed by current standards, but over time the Communications Operations Director will measure the impacts and performance of the new facility through continuing to use EcATS as the standard measuring tool for accuracy of 9-1-1 call data. EcATS has enhanced the capability of the tool to measure individual positions by employee name providing for a more accurate view of each employee's performance. Telecommunicator availability can also be measured thought retention rate and days absent. Both Telecommunicator performance and availability are expected to increase once the new larger and more secure space is built and equipped with more ergonomic furniture and increased training resources.

Plans to temporarily transfer communications to neighboring PSAPs will be tested in the same way that we currently test our redundancy with Alamance County. Each shift of each PSAP will be tested, every ninety (90) days for the first year and then twice per year after that. The primary PSAP will be evacuated with calls re-routed to the secondary PSAP. The Orange County backup PSAP will be brought online and staffed to operate for a minimum of four (4) hours. After testing, the Primary PSAP will be manned and calls re-routed back, returning to normal operations.

32. Identify how data will be collected and presented

Data collection methods are described in detail in question 31 above but the timeline and venue for reporting will be as follows:

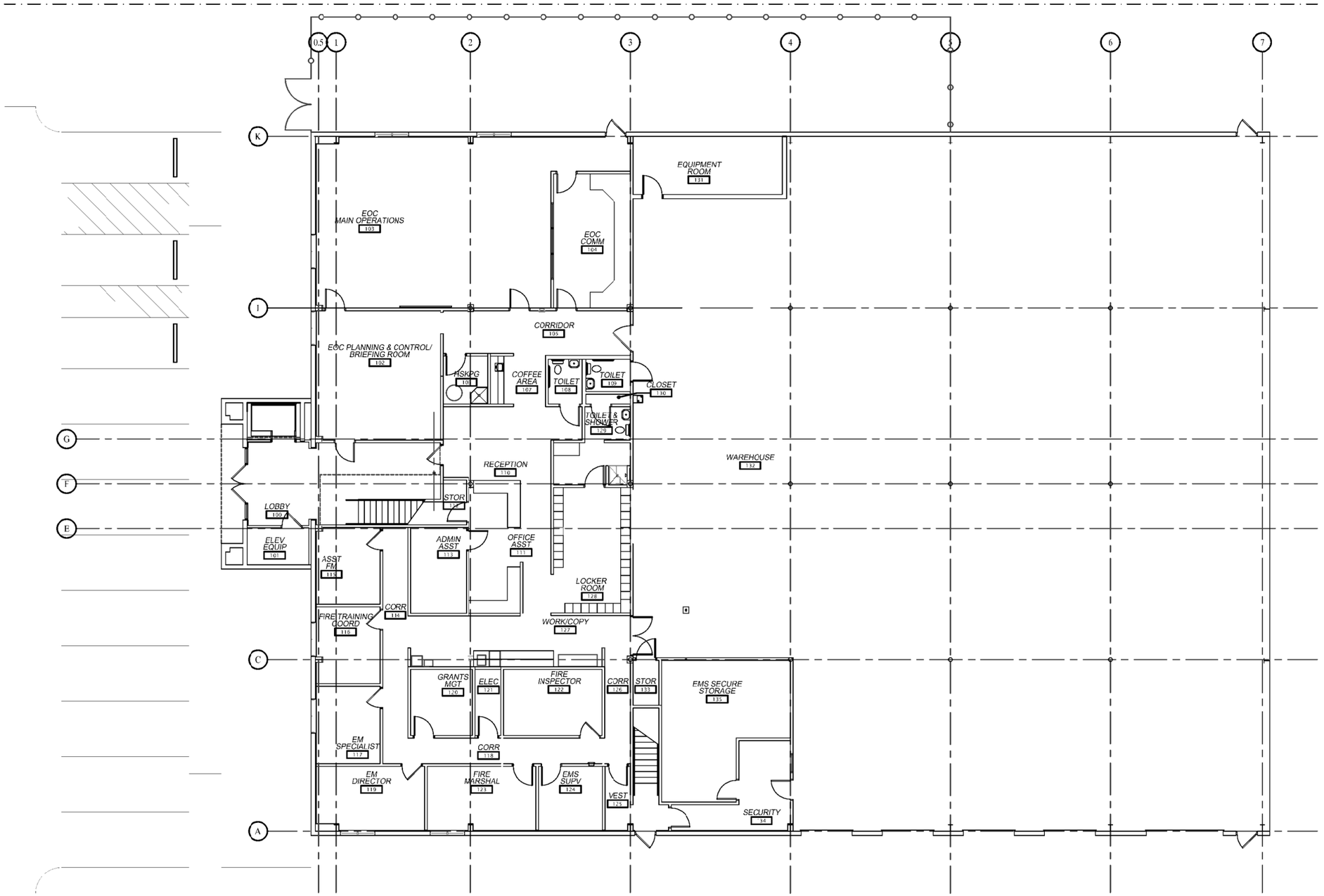
During the Short-term Period: The project team will meet monthly for project meetings at which the input from the Project Director and Project Contact will be incorporated by the architects into the final design. The 3rd Party Commissioning Agent will also lead the project team in the creation of detailed construction specifications. These meetings will be held on-site at Orange County Emergency Services.

During the Intermediate-term Period: Monthly project meetings will continue until the construction is complete to all parties' satisfaction. The Capital Projects Manager will be tracking and reporting on the construction progress, budgets, and facilitating decision making by the Project Team in the resolution of any issues. Once operations resume in the new facility, the Communications Operations Director will perform Quarterly reviews of the data and trends seen in telecommunicator availability and the EcATS data and will report to the Project Director. During this time there will be regular reports to project partners and the 911 Board, based on NC 911 standards.

Over the Long-term Period, the Project Director will ensure that annual reviews are conducted during the preparation of departmental budgets to ensure that the new Resilient PSAP has the resources it needs to continue to performing well.

Once you are satisfied with your application, please email the completed application along with all attachments to 911comments@its.nc.gov The deadline for filing is midnight, Friday, June 15, 2018. **NO APPLICATIONS WILL BE ACCEPTED AFTER THAT DATE**

Once you have submitted the application including all necessary attachments, you will receive a reply email within 24 hours advising you that the grant application has been received. If you **DO NOT** receive the confirmation email within 24 hours, please contact Pokey Harris *pokey.harris@nc.gov* or call 919-754-6621



EXISTING LOWER LEVEL FLOOR PLAN

Stewart · Cooper · Newell
Architects

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INTERLOCAL AGREEMENT
BETWEEN
ORANGE COUNTY AND ALAMANCE COUNTY

This Interlocal Agreement made and entered into this the 12th day of February, 2015 ("Effective Date") by and between Orange County and Alamance County, both political subdivisions of the State of North Carolina, memorializes the mutual intention of the parties to jointly develop Computer Aided Dispatch to Computer Aided Dispatch ("C2C") interoperability procedures for use during daily operational interactions between the parties to receive and dispatch emergency and non-emergency calls for service.

1. Duties and Responsibilities of OCES 9-1-1

A. Any Law Enforcement, Emergency Medical Services ("EMS") and/or Fire call received by Orange County Emergency Services ("OCES") 9-1-1 that is located in Alamance County shall immediately be transferred by phone to Alamance County Communications ("ACC") 9-1-1, along with C2C of the information initially gathered by OCES 9-1-1.
B. Any Law Enforcement, EMS and/or Fire call located in Orange County that requires an emergency response from any Alamance County agency shall be transferred by C2C to ACC 9-1-1 with a follow-up phone call from OCES 9-1-1 to confirm receipt of information.
C. OCES 9-1-1 shall provide notification to ACC 9-1-1 of any network failures, upgrades and/or reconfigurations that may affect and/or disrupt the C2C link.
D. If the C2C link is disrupted, all information shall be transferred via telephone.
E. If for any reason the telephone links are busy or have failed, OCES 9-1-1 will process the call per their procedures and spawn/send the call to ACC 9-1-1 via the C2C. Furthermore, it shall be the responsibility of OCES 9-1-1 to follow up with ACC 9-1-1 via telephone to ensure that correct function of the C2C took place.
F. Any Public Records request shall be the responsibility of the agency having custody of the requested records.

2. Duties and Responsibilities of ACC 9-1-1

A. Any Law Enforcement, EMS and/or Fire received by ACC 9-1-1 that is located in Orange County shall immediately be transferred by phone to OCES 9-1-1, along with C2C of the information initially gathered by ACC 9-1-1.
B. Any Law Enforcement, EMS and/or Fire call located in Alamance County that requires an emergency response from any Orange County agency shall be transferred by C2C to OCES 9-1-1 with a follow-up phone call from ACC 9-1-1 to confirm receipt of information.
C. ACC 9-1-1 shall provide notification to OCES 9-1-1 of any network failures, upgrades and/or reconfigurations that may affect and/or disrupt the C2C link;
D. If the C2C link is disrupted, all information shall be transferred via telephone;

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E. If for any reason the telephone links are busy or have failed, ACC 9-1-1 will process the call per their procedures and spawn/send the call to OCES 9-1-1 via the C2C. Furthermore, it shall be the responsibility of ACC 9-1-1 to follow up with OCES 9-1-1 via telephone to ensure that correct function of the C2C took place.

F. Any Public Records request shall be the responsibility of the agency having custody of the requested records.

3. **Notices and Signatures.** This Agreement, together with any amendments or modifications, may be executed electronically. All electronic signatures affixed hereto evidence the intent of the Parties to conform with North Carolina General Statutes Section 66-317.

4. **Amendments** - Any amendments or revisions to this Agreement shall be approved in writing by both parties.

5. **Termination** - This Agreement shall be in effect upon execution of the Agreement by both Parties and will continue until terminated by either of the Parties. This Agreement may be terminated upon thirty (30) days prior written notice to the other party.

6. **Entire Agreement** - This Agreement, including any referenced attachments, constitutes the entire agreement between the parties and shall supersede, replace or nullify any and all prior agreements.

7. **Governing Law** - The laws of the State of North Carolina shall govern all aspects of this Agreement.

8. **Venue** - Venue shall be proper and shall lie exclusively in Alamance County, North Carolina or Orange County, North Carolina.

IN WITHNESS WHEREOF, the Parties, by and through their authorized agents, have signed this Interlocal Agreement, effective as of the date written above.

FOR ORANGE COUNTY

DocuSigned by:

BY: Bonnie Hammersley 2/17/2015

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Bonnie Hammersley, County Manager Date

FOR ALAMANCE COUNTY

DocuSigned by:

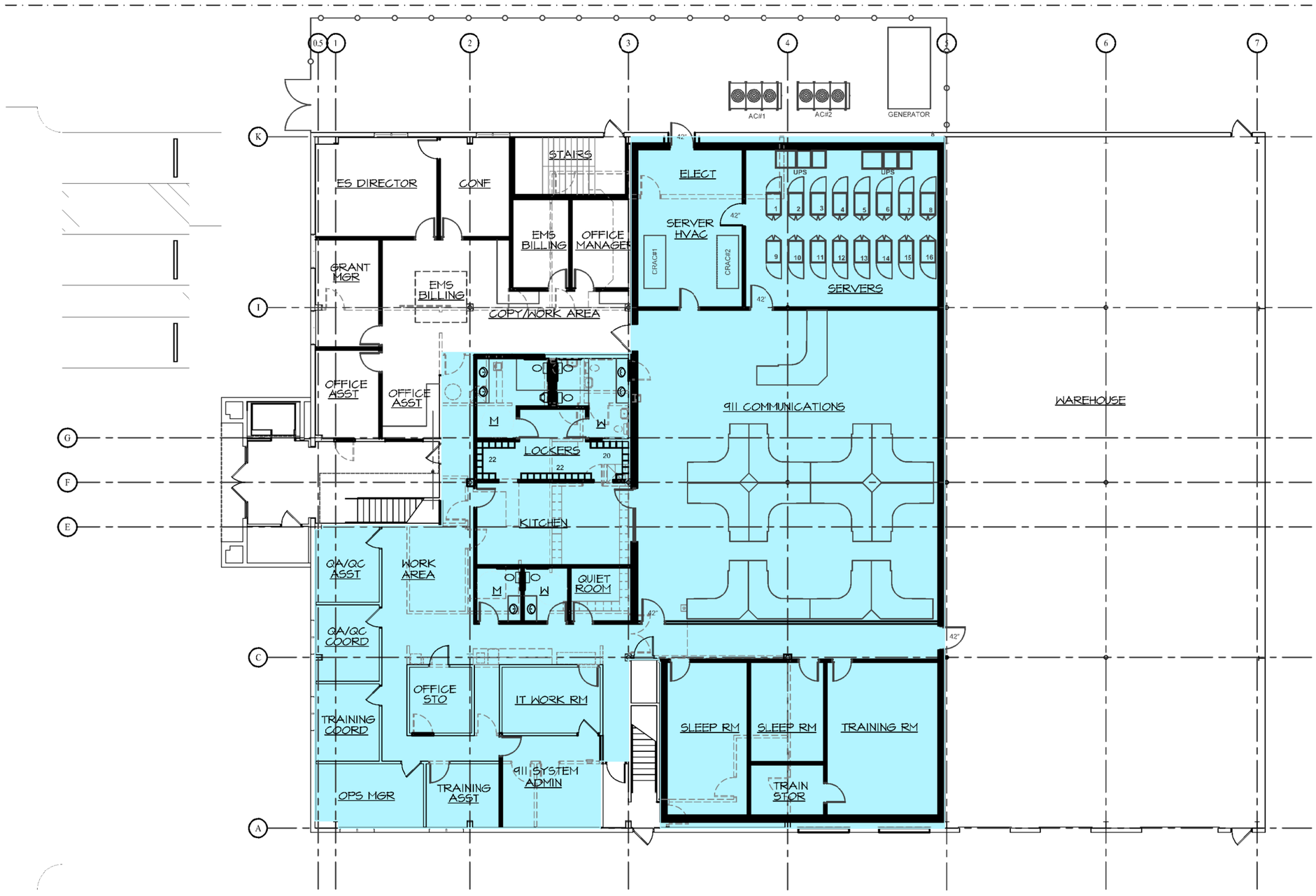
BY: Craig F. Honeycutt 2/12/2015

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Craig Honeycutt, County Manager Date

Cost Spreadsheet:

Orange County Resilient PSAP Elements	Quantity	Units	Total Project Cost (including in-kind)	Grant Funds Requested
Construction Expenses				
Renovate Portion of Warehouse into new 911/Server/Elect/Mechanical Rooms (Hardened)	5,250	sq. ft.	$ 1,260,000	$ 1,260,000
Offices and Support Spaces	3,160	sq. ft.	$ 474,000	$ 474,000
Security Fence (LF)	1,500	lin. ft.	$ 82,500	$ 82,500
Security Gate (ea)	2,100	ea	$ 12,000	$ 12,000
Construction Subtotal	8,410	sq. ft.	$ 1,828,500	$ 1,828,500
Construction Services and Fees				
Fit, Finish, and Contingency (20%)	n/a		$ 365,700	$ 365,700
Architectural and Engineering Fees (10%)	n/a		$ 182,850	$ 182,850
Special Inspections (2%)	n/a		$ 36,570	$ 36,570
3rd Party Commissioning (1%)	n/a		$ 18,285	$ 18,285
Construction Services/Fees Subtotal	8,410	sq. ft.	$ 603,405	$ 603,405
Other Project Expenses and In-Kind				
9-1-1 Telecommunicator Furniture	n/a		$ 280,000	$ 280,000
Moving, Reconnecting, and Testing Telecommunications Equipment	n/a		$ 53,160	$ 53,160
CAD move (in-house)	n/a		$ 15,000	In-Kind
Construction Project Management	n/a		$ 40,000	In-Kind
Contract to Design Conceptual Layouts	n/a		$ 25,000	In-Kind
Redundant HVAC	n/a		$ 60,000	In-Kind
9-1-1 CAD Equipment Refresh			$ 174,051	In-Kind
Other Project Expenses/In-Kind Subtotal			$ 647,211	$ 333,160
Total	**8,410**	**sq. ft.**	**$ 3,079,116**	**$ 2,765,065**



PROPOSED LOWER LEVEL FLOOR PLAN

911 Area Highlighted

Stewart · Cooper · Newell Architects

Orange County Emergency Services

Strategic Plan



Revision 1.0 – March 12, 2014

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Executive Summary

Orange County Emergency Services (OCES) is comprised of five (5) business program areas. They are identified as the: Administrative Division, Communications Division, Emergency Management Division, EMS Division, and Fire Marshal Division. This Strategic Plan has been developed in support of the Orange County Board of County Commissioners (BOCC) goals and priorities. It is intended to build and sustain our resiliency in preventing, responding to, and recovering from manmade, technological, and natural emergencies and/or disasters.

This Strategic Plan is designed as a short and long-term guide that will assist OCES leadership in directing programmatic efforts within each Division, accomplish results, ensure accountability, and properly allocate departmental resources over the next five (5) to seven (7) years. It was developed in collaboration with OCES leadership, OCES staff, and Subject Matter Experts from local and State governmental organizations.

Vision, Mission, Core Values, Guiding Principles, and Strategic Goals

The vision statement describes OCES's desired future state for emergency service capabilities. It is where we eventually want to be. Each Division's mission statement describes how the vision will be achieved by their program area.

OCES Vision

"A Prepared, Coordinated, and Integrated Emergency Services System"

Our Core Values and Guiding Principles are identified in the OCES ETHOS document, incorporated in Appendix A. The Strategic Goals were developed by incorporating data from employee brainstorming and feedback (p. 6), BOCC goals, best practices across the State and Nation, Orange County Chiefs Association Strategic Plan, and the Comprehensive Assessment of Emergency Medical Services & 9-1-1 Communication Center Operations Center Assessment report from October, 2013 which is incorporated herein by reference.

The BOCC specific goals include:

- Goal #1: Ensure a community network of basic human services and infrastructure that maintains, protects, and promotes the well-being of all County residents.
- Goal #2: Promote an interactive and transparent system of governance that reflects community values.
- Goal #4: Invest in quality County facilities, a diverse work force, and technology to achieve a high performing County government.

Introduction

By definition, a strategic plan aligns an organization's operations and budget structure with organizational goals and priorities. The OCES Strategic Plan does not describe how OCES will respond to an emergency or disaster, but rather focuses our efforts on strategic approaches so that we will be better prepared to respond and recover from emergencies and disasters. The goal of this effort is to develop resiliency and stability within OCES by providing a roadmap to our desired end state that incorporates coordinated thought, planning, and structure. It will enable the department to continue moving forward in each program area, independent of a change in staff due to attrition. It is designed to be a practical, flexible, and long-term guide that will direct our efforts in order to eventually realize our vision.

A strategic plan identifies where the organization wants to be at some point in time in the future, and how it plans to get there.

Development Process

This Strategic Plan was developed during a three (3) month planning period that incorporated multiple meetings with OCES senior leadership, SMEs, and staff feedback. Each meeting was approximately 3-5 hours in length, and was facilitated by SME's and senior leadership within OCES. Some of the SMEs attended in person, others provided critical feedback on our goals and objectives.

The strategic planning process was performed in six (6) steps:

1. Review of Diamonds and Stones
2. Vision Development
3. Identification of Strengths, Weaknesses, Opportunities, and Threats (SWOT analysis)
4. Mission Statement Development
5. Goals and Objectives
6. Approach to implementation (including evaluation of the plan's effectiveness)

Diamonds and Stones

On June 4-6, 2013, Mr. Archie Tew (http://archietew.com) delivered several enlightening leadership and organizational change meetings with OCES staff. One outcome of these meetings included the results of several brainstorming sessions that enabled each employee to identify the good and bad of our organization in a guilt free, no-fault atmosphere. The document is called "Diamonds and Stones". Diamonds are things that we do well and we should continue to pursue. The Stones are our opportunities for improvement. If we focus intense pressure on the Stones, we can turn them into Diamonds. Key categories in the "Diamond and Stones" document include: Pay, Work/Life Balance, Interpersonal Communications, Work/Job Satisfaction, and Facility/Equipment.

Vision Development

Vision is the picture of how our world will be if we are successful in our work. It is the end state of where we want to be if there are no roadblocks or pitfalls in our way. It was developed in a collaborative effort with everyone in attendance during the first planning meeting.

SWOT Analysis

By performing a SWOT analysis, we explored possibilities for new efforts or solutions to existing problems. The SWOT analysis guides us to making decisions about the best path for our initiatives, helps in determining our priorities and possibilities, and helps determine where change is possible. The SWOT analysis was performed both internally and externally. The internal analysis helped us plan for the future by identifying how our organization operates right now. It revealed trends, irregularities, limitations, and opportunities. It was performed by brainstorming the S-W of SWOT, listing out or actual or perceived strengths and weaknesses. The external analysis helped us understand how our organization is perceived externally and what potential factors may affect our future. External factors included things like the economy, funding trends, demographics, social factors, technology changes, politics, regulatory factors, and public or stakeholder opinion. The external analysis was performed by recalling emails, conversations, and other feedback from stakeholders as part of the O-T of SWOT.

Mission Statement

Each Division's mission statement is at the core of why we do the work we do. They identify purpose and may include some strategy reflection. Crafting good mission statements was challenging. By understanding our Vision and identifying why we do what we do to reach the "end state", our mission statements help formulate our goals and objectives in the Strategic Plan. Each Division within OCES has their own mission statement in support of our Vision.

Goals and Objectives

Goals are a clear statement of the mission, specifying the accomplishments to be achieved if the mission is to become real. Goals are outcome based and not process oriented. They clearly state specific and measurable outcomes/changes that can be reasonably anticipated as we move toward our "end state". Objectives are even clearer statements of the specific tasks and activities that will be required to achieve the goals. They are stated in ways that describe what we will do, and in some instances how we will do it. Our objectives address the difference between where we are ("current state"), and where we want to be (our Visions "end state"), by spelling out what we will do to get there. We tried diligently to make our objectives SMART: Specific, Measurable, Actionable, Realistic, and Timely.

Approach

The approach is a narrative section in the strategic plan where we will spell out and justify our choices about goals and objectives. It explains to the layperson why we chose the path that we chose. The Approach also includes data collection from our action plan that will enable us to determine what is working and what is not (are we being successful). OCES will evaluate our strategic plan at least annually, with a new plan anticipated to be created or significantly revised every five (5) years.

Employee Survey Results

This graphic represents the good and the bad (the Diamonds and Stones) of our Department and related Divisions. It was developed utilizing an open source program on the World Wide Web that incorporated each component of employee feedback. The terms below helped form our Strategic Goals, Objectives and related Tasks. The largest words are those that were used most often during the employee feedback sessions. As each word is reduced in size, it represents that it was used less and less often by the employees. We concentrate our efforts on the large words, and work down towards the small words to eventually realize our Vision.



Strategic Goals and Objectives

Strategic Goals are global concepts that are supported by one (1) or more Objectives. Each Objective is supported by one (1) or more Tasks. Objectives are realistic and measurable targets that help achieve the Goal. Tasks are specific initiatives undertaken that will help achieve the Objective, and are identified as Short-Term (1-2 years), Mid-Term (2-4 years), and Long-Term (4-7 years) initiatives. Tasks have been developed as part of this Strategic Plan, but are not included here as they may change often based on internal and external influences, sometimes beyond our control. The flexibility built into the Strategic Plan enables each Division to morph or change their Tasks while continuing to meet the Objective. What looks good on paper may not necessarily work in real life. It is imperative to integrate the ability and flexibility to adapt in order to continue making progress.

Our priorities are driven by life safety, customer satisfaction, employee work/life balance, and work process improvements. Progress will tracked by publically visible Gantt charts in the OCES office, and the form in Appendix B. Each Division will have a chart in their office area, and a master chart will be posted in the reception area of the facility.

ADMINISTRATION DIVISION

Administration Mission Statement

The OCES Administrative Division is responsible for delivering superior customer service and support for our internal and external customers.

Approach

In streamlining the agencies hiring, contract and approval process, the agency becomes more efficient and uses less monetary resources. As a service agency, it is our goal to effectively coordinate and develop community partnerships, public education and special event coordination. In an effort to be innovative, we will use technology to efficiently capture, process, and store operational data. As the agency continues to grow, Administrative staff will be encouraged to build skill levels through continued education and training.

STRATEGIC GOAL #1

Effectively Coordinate and Develop Community Partnerships, Public Education and Special Event Coordination

OBJECTIVES

1. Establish and maintain relationships with supporters and stakeholders, including our schools, in order to educate our community in safety and disaster preparedness
    a. Utilize skills of the County PIO to develop outreach materials
    b. Utilize all members of the Administration Division to support outreach initiatives

STRATEGIC GOAL #2

Build skill through education and training, and formally recognize above and beyond achievements of staff

OBJECTIVES

1. Internally grow leaders through education and training
2. Create a process to formally acknowledging outstanding customer service and work ethic

STRATEGIC GOAL #3

Streamline Hiring, Contract and Approval Process

OBJECTIVES

1. Eliminate the need for paper documents requiring a physical signature
2. Restructure and tier the hiring process for E9-1-1 and EMS, to include effectively utilizing NEO GOV
3. Restructure contract routing internal/county-wide

STRATEGIC GOAL #4

Use Technology to Efficiently Capture, Process and Store Data as needed in Agency Operations

OBJECTIVES

1. Research and solicit qualified vendors for support services
2. Produce accurate financial information for staff

EMS DIVISION

EMS Mission Statement

The OCES EMS Division will deploy highly educated, well-trained emergency medical personnel to deliver efficient, effective, and excellent care that encompasses the wide range of community health needs.

Approach

Orange County EMS will provide highly trained, critically thinking EMS providers equipped with the most up to date Emergency Medical Services knowledge, skills and abilities. The EMS Division is committed to improving information dissemination and accessibility to all staff and partner agencies. In order to improve customer service and relationships with internal staff and partner agencies, EMS will improve transparency by proving accurate and timely performance measures, standard operating guidance with intent and direction. EMS will improve employee retention and develop continuity of operations by providing career pathways and professional development. EMS must stay up to date with changing community health needs by participating with other health care providers, County Departments, and partner agencies to identify, prioritize, and implement community health initiatives.

STRATEGIC GOAL #1

Build capabilities to support efficient, effective, and excellent care

OBJECTIVES

1. Continue implementation of the Emergency Services Workgroup approved Comprehensive Assessment of EMS & 9-1-1 Communications Center Operations report
2. Implement consistent regulatory oversight
3. Improve dissemination of information for staff on the EMS website
4. Improve dissemination of information for patients, partner agencies, and doctor's office's on the EMS website
5. Implement professional development pathways
6. Implement field based medical directors
7. Increase the operational capacity to deliver EMS services in the community
8. Improve internal and external communication from the EMS Division

STRATEGIC GOAL #2

Develop programs to address the wide range of community healthcare needs

OBJECTIVES

1. Support high risk community healthcare program strategies
2. Implement an effective community medicine program
3. Develop programs to support the medical needs of special operations

STRATEGIC GOAL #3
Deploy highly educated, well-trained personnel

OBJECTIVES

1. Develop an efficient and cost-effective education and training model
    a. Implement Field Training Officer (FTO) training to interested employees
    b. Create FTO positions by reclassifying one (1) paramedic position per shift to act in a dual role (paramedic/FTO)
2. Consistently deliver and grow organizational knowledge

COMMUNICATIONS DIVISION

E9-1-1Mission Statement

The OCES Communications Division is dedicated to provide the vital link between the community and emergency services through integrity, leadership, and teamwork.

Approach

Our approach provides a road map that will position Orange County's E9-1-1 System to embrace next generation technology, support state and regional collaborative efforts, and stress fiscal responsibility while improving E9-1-1 services for the agencies and citizens served. This approach also reflects the desire for improving customer service, quality of dispatch services, an improved working environment, and a forecast of future needs.

STRATEGIC GOAL #1
Improve customer service

OBJECTIVES

1. Continue implementation of the Emergency Services Workgroup approved Comprehensive Assessment of EMS & 9-1-1 Communications Center Operations report
2. Deliver exceptional 9-1-1 and non-emergency public safety services
3. Ensure operational staffing and agency emergency preparedness
4. Promote 9-1-1 and public safety communication awareness and build and enhance partnerships with all stakeholders

STRATEGIC GOAL #2
Improve business processes

OBJECTIVES

1. Ensure compliance with applicable national and state 9-1-1 call taking and dispatching standards
2. Develop Continuity of Operations Plan (COOP) for Orange County's E9-1-1 system to ensure local and countywide 9-1-1 access and reliability.
3. Develop a plan to include all necessary back-up systems needed to sustain E 9-1-1 call answering operations and ensure E9-1-1 survivability at a County level.

STRATEGIC GOAL #3
Improve technology for stakeholders and customers

OBJECTIVES

1. Provide SunGard CAD interface to all partner agencies
2. Create a robust and functional radio system that is accessible to all County stakeholders
3. Create a robust and functional radio paging system that works countywide
4. Continue to enhance the 9-1-1 system to incorporate future technologies known as, NG9-1-1 (Next Generation 9-1-1) allowing text, video and the capability of connecting to the statewide network

STRATEGIC GOAL #4
Improve the work environment for employees

OBJECTIVES

1. Provide employees with quality education, training and career development
2. Instill and maintain a professional departmental culture
3. Identify appropriate and productive communication processes for integrating the various generations of employees
4. Promote healthy living and lifestyle recommendations for public safety employees
5. Actively attract, recruit and sustain a highly motivated workforce
6. Restructure the hiring process to focus on tiered learning approach:
    a. Call Taking
    b. Radio Dispatching
    c. Both functions
7. Revamp the training program to enhance and strengthen critical skills prior to on-the-job training
8. Identify and implement Telecommunicator contracts and psychological testing

FIRE MARSHAL DIVISION

Fire Marshal Mission Statement

The OCES Fire Marshal Division is dedicated to preserving life, property, and environmental resources through education, prevention, investigation and fire code enforcement

Approach

The Fire Marshal Division is committed to consistently providing a superior customer service program. As our number one goal, we acknowledge that the objectives listed within this goal will align with the Orange County Emergency Services ETHOS and the expectations of each individual we interact with on a daily basis. The goals and objectives create a snapshot of how we would like our Division to represent itself. Having a basis for outside comment will allow us to better serve our partnering agencies and customers alike. Our overall intent for identifying the Goals and Objectives in this Strategic Plan is to distribute the most effective fire prevention programs, fire protection support and code enforcement capabilities to all of the people in Orange County.

STRATEGIC GOAL #1
Achieve premier customer satisfaction

OBJECTIVES

1. Develop and implement an action plan to identify opportunities to increase customer satisfaction.
2. Critically analyze current fire and life safety guidelines and SOGs for the Fire Marshal Division
3. Develop a professional, comprehensive data management system
4. Effectively market the Fire Marshal Division's services

STRATEGIC GOAL #2
Build strong relationships and consistent collaboration with partner and support agencies

OBJECTIVES

1. Generate and sustain strong partnerships among fire agencies, community groups, regulated and non-regulated industries, governmental agencies, and targeted audiences

STRATEGIC GOAL #3
Augment training for stakeholders

OBJECTIVES

1. Increase training opportunities for stakeholders
2. Evaluate the effectiveness of the Fire Marshal Division's education and training for customers

STRATEGIC GOAL #4
Enhance effectiveness of internal communications

OBJECTIVES

1. Create an internal communication plan to ensure information between administration and employees is easily accessible and transparent
2. Ensure employees have access to critical information and feedback channels are available

STRATEGIC GOAL #5
Create progressive professional development

OBJECTIVES

1. Create an environment of team work and efficiency
2. Foster an organizational climate where employee diversity is a catalyst for creativity
3. Transition non-related Fire Marshal Division job duties to the Emergency Management Division

STRATEGIC GOAL #6
Improve budget strategies

OBJECTIVES

1. Review service levels and support requirements to identify and establish appropriate funding
2. Develop a budget plan and provide continual review and revision

EMERGENCY MANAGEMENT DIVISION

Emergency Management Mission Statement

The Emergency Management Division will coordinate with partner agencies to ensure that Orange County is prepared to respond to and recover from all natural, technological, and man-made emergencies. We will provide the leadership and support to reduce the loss of life and property through an all-hazards emergency management program of prevention, mitigation, preparedness, response, and recovery throughout Orange County.

Approach

Our approach is intended to improve customer service and further enhance the Emergency Management Division through the addition of key staff that will be tasked with developing realistic and actionable preparedness, response, recovery and mitigation plans. In addition, our approach will develop better use of technology, provide better training for county and stakeholder staff, and increase the ability of community leaders to make informed decisions during times of crisis.

STRATEGIC GOAL #1

Develop relevant and actionable Emergency Management plans that are validated through exercises and real world implementation

OBJECTIVES

1. Add 1 FTE in 14/15 for EM Planner for long term planning development & support
    a. Emergency Operations Plan (revise and update)
    b. Hazard Mitigation Plan (revise and update)
    c. Debris plan (support Solid Waste)
    d. Damage Assessment (new)
    e. THIRA (new)
    f. Recovery Plan (new)
    g. Tactical Interoperable Communications Plan (new)
    h. Nuclear 50 mile ingestion pathway (new)
    i. Active Threat (new)
    j. Standard Operating Guidelines and job aids for EOC (revise based on EOP)
    k. Community Emergency Response Team (CERT)
2. Revise and update the County Emergency Operations Plan
3. Reassess the County multi-hazard mitigation plan
4. Conduct and maintain the Threat and Hazard Identification and Risk Assessment (THIRA)
5. Conduct a Commodity Flow Study to identify the Hazardous Materials travelling through Orange County by rail, highway, and pipeline
6. Incorporate Public Health plans into the department with the Public Health Preparedness Coordinator
7. Disseminate the new resource manual which replaced the outdated version
8. Create EOC job aids in support of the EOP
9. Local Emergency Planning Committee (LEPC) reinvigoration to work with current and future local industries on safety and compliance issues.

STRATEGIC GOAL #2

Implement tools to further Incident Command operations and EOC operations Countywide

OBJECTIVES

1. Improve coordination for on-scene incident management
2. Reorganize and re-equip the Emergency Operations Center
3. Develop countywide EOC training tools and technology, including Incident Command
4. Design, develop and implement exercises for key stakeholders
5. Coordinate with County departments to make EOC staffing levels three (3) deep
6. Develop County owned and operated Mobile Command Post capabilities

STRATEGIC GOAL #3

Develop a more robust and better organized logistics section to serve the current and growing needs of the department

OBJECTIVES

1. Implement supply chain management and organizational tools in the warehouse
    a. Research, obtain, and implement an inventory tracking system
2. Provide logistical training to warehouse staff
3. Create Division logistical lead positions for the warehouse to improve supplies quantities, tracking, and resource coordination

Performance Evaluation

As the Strategic Plan matures, each Division will develop performance indicators that will be specific to each goal. As the indicators may change fairly rapidly, they are not included in this plan, but will be developed separately in support of this plan (Appendix B). The performance indicators will serve as a tool to track the progress of each goal and demonstrate progress of the Strategic Plan implementation.

Plan Maintenance

This plan is a living document that will be reviewed at least annually to determine if implementation is being successful. It will be updated every five (5) years to reflect new or changing County and organizational goals and priorities. To update the plan, OCES will convene a Task Force of stakeholders to review, provide feedback, develop consensus, and revise the contents of the plan.

Each time the plan receives a major update, it will be presented to the Orange County BOCC for their input, feedback, and consensus before implementation occurs. The final plan will be presented to OCES stakeholders for their situational awareness.

Appendix A - ETHOS

ETHOS

Core Values and Guiding Principles

The distinguishing character, moral nature, or guiding beliefs of a person, group, or institution.

Orange County Emergency Services' (OCES) goal is to help and support our citizens, visitors, co-workers, and emergency responders, especially when they are most in need. OCES personnel must be good stewards of county resources, and ensure that our customers—both internal and external—are treated fairly and respectfully. Achieving this goal will occur through formal processes, such as personnel policies and training programs, as well as through fair and respectful treatment of each other and those that we come in contact with.

Our personnel across each of the OCES Divisions: 9-1-1, Emergency Management, Emergency Medical Services, and Fire Marshal, must exhibit unwavering commitment and support of this ETHOS.

Core Values

The accepted principles and standards of a person, group, or institution. The following core values will guide our behavior and provide the basis for how our personnel operate and interrelate with others. OCES personnel must be committed to the core values of integrity, respect, fairness, and compassion.

Integrity

As individuals and as a collective agency, OCES personnel must recognize that ***integrity is our most valuable attribute.*** We are obliged as public servants to comply with a range of ethics-based principles and high standards of conduct. OCES is an inherently collaborative organization; we work daily with a very diverse group of emergency responders, citizens, visitors, and community employees. Our personnel must work diligently to establish productive relationships with these groups by ***earning*** their trust and always behaving honestly, credibly, dependably, and professionally. Trust is not a right that is given, it must be earned.

Respect

OCES employees must be committed to treating those whom they serve and those with whom they work with fairness, dignity, and compassion. We do this because morally, it is the right thing to do. We also do this because it develops and maintains sustainable working relationships with our stakeholders. OCES personnel must be committed to understanding the unique sensitivities of diverse groups and members of our community, and respond appropriately by treating everyone without bias or preference. OCES, especially those in a leadership role, will support and encourage their fellow co-workers to grow through opportunity and empowerment while working as "one" cohesive team.

Fairness

The Core Value of fairness extends to the mission of all programs and services provided by OCES. Our personnel must communicate clear and consistent information to our stakeholders, listen actively, and consider the viewpoints of our citizens, visitors, emergency responders, and co-workers. Regardless of the outcome of any discussion or decision, all those with whom OCES has contact must feel that our personnel listened to their input, and treated them respectfully and fairly.

Compassion

In dealing with our communities and emergency responders who may be affected by a significant emergency or disaster, empathy and compassion are essential qualities that must be embodied in our preparedness, response and recovery efforts. OCES personnel must ensure that we focus on the needs of the members of our community, especially those who may have special requirements and those who have become most disadvantaged by the incident. Our primary responsibility is to support our citizens, visitors, co-workers and emergency responders in caring for those affected by any emergency or disaster, and to provide this support with patience, understanding and respect.

Guiding Principles

The common framework for how OCES will deliver services and support for our stakeholders. These principles are grounded in our Core Values, and further help define how we should view ourselves as an organization, as well as how we would like our stakeholders to view OCES.

These principles should be used to guide our actions, as they are particularly important when we face unusual situations where there is little or no clear guidance in policy or procedure. For

OCES personnel, knowing and applying the following Guiding Principles will ensure that we constantly and consistently act in accordance with our Core Values.

Stewardship

OCES personnel are public servants, entrusted with public resources to perform our critical mission areas. We have ethical, moral and legal obligations to protect these resources and ensure they are used effectively and efficiently for their intended purpose. OCES employees are also entrusted with the responsibility to be good stewards of the County's resources. We must take this responsibility very seriously when executing each of our mission areas.

Engagement

OCES personnel should actively and regularly engage the whole community of Orange County, which includes organizations that may not traditionally have been seen as emergency response stakeholders, such as our citizens, visitors, and co-workers. Informed stakeholders make better choices for their organizations, themselves, and their communities. The process of engagement will enable OCES to develop and/or participate in teams that are needed to accomplish our core missions.

Timely, accurate and open information sharing, along with mutual fairness and respect will provide the foundation for effective engagement. OCES must clearly and openly communicate the essential elements of our situational awareness to our leadership, to the public, and to our emergency services partners in order to form a common operating picture. We do not only want to be on the same sheet of music, we also want to be on the same note.

Effective engagement means that OCES personnel respect and value the capabilities and professionalism that our stakeholders provide. OCES employees must seek new opportunities and innovative ways to include our emergency service partners in critical decision-making processes, in addition to collaborating with them during the execution of our daily missions. We must also actively engage with our community. A simple "how are you today?" or "can I help you?" or "how are we doing?" will go a long way.

Teamwork

As an emergency services organization, our success is dependent on interdisciplinary, intergovernmental, and interagency coordination and cooperation. Understanding that major disasters and emergencies may be too complex for any single agency to handle, OCES must be prepared to lead and embrace teamwork among our County stakeholders, as well as those stakeholders outside of our County lines. OCES personnel must work hard to maintain and

strengthen our relationship with these stakeholders by approaching our work with a "one team" mindset, and pursuing every opportunity to support and foster collaborative relationships.

Empowerment

The nature of OCES' responsibilities means that all of our personnel must constantly lean forward and always be prepared to take informed and decisive action. Our personnel will be empowered to take actions in order to achieve the desired outcomes that are in line with our Core Values and Guiding Principles. Empowerment starts at the top and is shared throughout the organization. The OCES leadership must be able to trust the personnel in our organization, authorize them to make decisions, and meet the needs of an incident or event without having to constantly request approval from their superiors. This Guiding Principle reflects the understanding that each individual in the OCES organization plays a critical role in the execution of our mission.

Empowerment is achieved when those closest to the need are ready and able to act and make informed, prompt decisions based on appropriate authorities, policies, training and experience. Empowered decision-making during day-to-day operations, emergencies, and disasters requires asking the following questions:

1. *Is the decision lawful?*
2. *Does the course of action have the best interest of the customer in mind?*
3. *Would I make the same decision if the media or commissioner were right beside me?*
4. *Am I willing to be accountable for this decision?*

If the answer to any of these questions is no, then it is most likely the wrong decision.

Result Oriented

Getting results means identifying what must be achieved, receiving direction as required, and accurately completing the task/assignment on time. We cannot drop the ball. If we say that we will do something or be somewhere, then we must do it without delay. The focus of this principle is that our personnel closest to our customers (both internal and external), will deliver the OCES mission most efficiently and effectively. Getting results means to innovate when there are roadblocks, and to succeed where there are opportunities.

Accountability

OCES personnel must embrace our responsibilities for meeting the needs of our stakeholders, while being fully accountable to our citizens, response partners, and to each other. We will

strive to meet the extraordinary needs and demands of our mission areas, even when they are encountered in difficult and often harsh conditions. OCES personnel must accept responsibility for accomplishing our missions without complaint, be transparent in our decision-making process, and expect to be held highly accountable for the actions we take and decisions we make.

Flexibility

OCES must anticipate and be prepared to accommodate changes in organizational goals, courses of action, and operating environments. We must also be prepared to adjust quickly as our stakeholder needs change, and in fact thrive in this environment and devise innovative ways to meet new challenges as they arise.

As public servants, we must understand that in the event of an emergency or disaster, we may be deployed/dispatched/activated with little advance notice. We may also be asked to work irregular hours and perform duties other than those specified in our normal position descriptions. Being prepared to respond to the needs of our community stakeholders quickly and enthusiastically is at the heart of what it means to be a member of OCES.

Preparation

Preparation is the key to achieving the desired results. Benjamin Franklin once stated “by failing to prepare, you are preparing to fail”. One of the most important preparation tasks in which OCES must continually engage is the act of planning. OCES must be committed to the planning process, while ensuring that our plans are plausible and grounded in reality. When developing plans, OCES will solicit and incorporate input from our stakeholders. We must document what we will do, and then do what we document. In doing so, we will build resiliency and sustainability into our organization.

OCES’ plans must account for the various elements of Orange County’s population, and focus on integrating the functional needs of all community members, not just the average community member. Our plans must also be flexible and readily adaptable to the situation at hand. Winston Churchill said “those who plan do better than those who do not plan, even though they rarely stick to that plan”. So, we will plan so that we will do better.

Appendix B – Work Plan Template

OCES DIVISION:						
Goal	Resources (personnel, equipment, supplies)	Responsibility (Primary person and agency)	Performance Measures	Start Date	End Date	Status as of (date): On Target Delayed Critical
Goal # Objective # Task # Timeframe:						
Goal # Objective # Task # Timeframe:						
Goal # Objective # Task # Timeframe:						
Description of status:						

FOR 2016 12

	ORIGINAL ESTIM REV	ESTIM REV ADJSTMTS	REVISED EST REV	ACTUAL YTD REVENUE	REMAINING REVENUE	PCT COLL
7551 E 911						
01 GENERAL GOVT REVENUE						
35755101 460000 INTEREST ON INVEST	0	.00	.00	-1,254.96	1,254.96	100.0%
TOTAL GENERAL GOVT REVENUE	0	.00	.00	-1,254.96	1,254.96	100.0%
03 CHARGES FOR SERVICES						
35755103 499999 SUBSCRIBER FEES	-562,338	.00	-562,338.00	-509,171.68	-53,166.32	90.5%
TOTAL CHARGES FOR SERVICES	-562,338	.00	-562,338.00	-509,171.68	-53,166.32	90.5%
09 TRANSFERS FROM						
35755109 499900 APPROPRIATED FUND	-362,761	-32,851.00	-395,612.00	.00	-395,612.00	.0%
35755109 690000 OVERHEAD	19,556	.00	19,556.00	19,556.00	.00	100.0%*
TOTAL TRANSFERS FROM	-343,205	-32,851.00	-376,056.00	19,556.00	-395,612.00	-5.2%
10 PERSONNEL SERVICES						
35755110 510000 PERMANENT SALARIES	89,134	-89,134.00	.00	.00	.00	.0%
35755110 510100 OVERTIME	1,172	-1,172.00	.00	.00	.00	.0%
35755110 510102 HOLIDAY PAY	0	.00	.00	.00	.00	.0%
35755110 510200 LONGEVITY	1,091	-1,091.00	.00	.00	.00	.0%
35755110 520000 SOCIAL SECURITY	5,644	-5,644.00	.00	.00	.00	.0%
35755110 520001 MEDICARE	1,320	-1,320.00	.00	.00	.00	.0%
35755110 520100 MEDICAL INSURANCE	16,860	-16,860.00	.00	.00	.00	.0%
35755110 520110 HSA CONTRIBUTION	2,833	-2,833.00	.00	.00	.00	.0%
35755110 520150 DENTAL INSURANCE	583	-583.00	.00	.00	.00	.0%
35755110 520160 LIFE INSURANCE	248	-248.00	.00	.00	.00	.0%
35755110 520200 RETIREMENT	6,145	-6,145.00	.00	.00	.00	.0%
35755110 520305 NON-SWORN 401(K)	1,430	-1,430.00	.00	.00	.00	.0%

FOR 2016 12

	ORIGINAL ESTIM REV	ESTIM REV ADJSTMTS	REVISED EST REV	ACTUAL YTD REVENUE	REMAINING REVENUE	PCT COLL
TOTAL PERSONNEL SERVICES	126,460	-126,460.00	.00	.00	.00	.0%
20 OPERATIONS						
35755120 530100 TRAINING/DEVELOPME	5,000	-3,971.00	1,029.00	300.00	729.00	29.2%*
35755120 530200 CERTIFICATIONS & L	15,000	4,366.00	19,366.00	14,696.75	714.25	96.3%*
35755120 540000 TELEPHONE	526,859	-52,714.00	474,145.00	280,353.72	193,791.28	59.1%*
35755120 571000 EQUIPMENT REP & MA	129,150	52,714.00	181,864.00	161,339.57	20,524.43	88.7%*
35755120 620000 DEPARTMENTAL SUPPL	13,079	.00	13,079.00	12,193.05	885.95	93.2%*
35755120 625000 COMP SUPP/SFTWRE	53,795	520.00	54,315.00	520.00	53,795.00	1.0%*
35755120 630000 CONTRACT SERVICES	31,200	27,448.33	58,648.33	69,455.93	-10,807.60	118.4%*
35755120 630030 IMPLEMENTAL FUNCTI	0	130,948.00	130,948.00	130,947.13	.87	100.0%*
TOTAL OPERATIONS	774,083	159,311.33	933,394.33	669,806.15	259,633.18	71.8%
30 RECURRING CAPITAL						
35755130 801000 FURNISHINGS	5,000	.00	5,000.00	.00	5,000.00	.0%
TOTAL RECURRING CAPITAL	5,000	.00	5,000.00	.00	5,000.00	.0%
TOTAL E 911	0	.33	.33	178,935.51	-182,890.18	%
TOTAL REVENUES	-925,099	-32,851.00	-957,950.00	-510,426.64	-447,523.36	
TOTAL EXPENSES	925,099	32,851.33	957,950.33	689,362.15	264,633.18	
GRAND TOTAL	0	.33	.33	178,935.51	-182,890.18	%

** END OF REPORT - Generated by LYSA MAY **

FOR 2017 12

	ORIGINAL ESTIM REV	ESTIM REV ADJSTMTS	REVISED EST REV	ACTUAL YTD REVENUE	REMAINING REVENUE	PCT COLL
7551 E 911						
01 GENERAL GOVT REVENUE						
35755101 460000 INTEREST ON INVEST	0	.00	.00	-3,316.93	3,316.93	100.0%
TOTAL GENERAL GOVT REVENUE	0	.00	.00	-3,316.93	3,316.93	100.0%
03 CHARGES FOR SERVICES						
35755103 499999 SUBSCRIBER FEES	-509,732	.00	-509,732.00	-534,612.09	24,880.09	104.9%
TOTAL CHARGES FOR SERVICES	-509,732	.00	-509,732.00	-534,612.09	24,880.09	104.9%
09 TRANSFERS FROM						
35755109 489906 FROM GENERAL FUND	0	-20,000.00	-20,000.00	-20,000.00	.00	100.0%
35755109 499900 APPROPRIATED FUND	-199,745	-82,108.00	-281,853.00	.00	-281,853.00	.0%*
35755109 690000 OVERHEAD	8,672	.00	8,672.00	8,672.00	.00	100.0%
TOTAL TRANSFERS FROM	-191,073	-102,108.00	-293,181.00	-11,328.00	-281,853.00	3.9%
10 PERSONNEL SERVICES						
35755110 510000 PERMANENT SALARIES	0	.00	.00	.00	.00	.0%
35755110 510200 LONGEVITY	0	.00	.00	.00	.00	.0%
35755110 520000 SOCIAL SECURITY	0	.00	.00	.00	.00	.0%
35755110 520001 MEDICARE	0	.00	.00	.00	.00	.0%
35755110 520100 MEDICAL INSURANCE	0	.00	.00	.00	.00	.0%
35755110 520150 DENTAL INSURANCE	0	.00	.00	.00	.00	.0%
35755110 520160 LIFE INSURANCE	0	.00	.00	.00	.00	.0%
35755110 520200 RETIREMENT	0	.00	.00	.00	.00	.0%
35755110 520305 NON-SWORN 401(K)	0	.00	.00	.00	.00	.0%
TOTAL PERSONNEL SERVICES	0	.00	.00	.00	.00	.0%
20 OPERATIONS						

FOR 2017 12

	ORIGINAL ESTIM REV	ESTIM REV ADJSTMTS	REVISED EST REV	ACTUAL YTD REVENUE	REMAINING REVENUE	PCT COLL
35755120 530100 TRAINING/DEVELOPME	5,000	.00	5,000.00	795.00	4,205.00	15.9%
35755120 530200 CERTIFICATIONS & L	10,500	3,955.00	14,455.00	11,624.26	480.74	96.7%
35755120 540000 TELEPHONE	389,323	.00	389,323.00	266,089.05	123,233.95	68.3%
35755120 571000 EQUIPMENT REP & MA	195,166	.00	195,166.00	135,803.37	56,501.58	71.0%
35755120 620000 DEPARTMENTAL SUPPL	16,678	.00	16,678.00	3,994.00	12,504.00	25.0%
35755120 625000 COMP SUPP/SFTWRE	45,438	.00	45,438.00	147.00	36,603.00	19.4%
35755120 630000 CONTRACT SERVICES	33,700	.00	33,700.00	27,473.00	6,227.00	81.5%
35755120 910005 TRANS TO CO CAPITA	0	78,153.00	78,153.00	78,153.00	.00	100.0%
TOTAL OPERATIONS	695,805	82,108.00	777,913.00	524,078.68	239,755.27	67.4%
30 RECURRING CAPITAL						
35755130 800000 EQUIPMENT	0	20,000.00	20,000.00	.00	20,000.00	.0%
35755130 801000 FURNISHINGS	5,000	.00	5,000.00	.00	.00	100.0%
TOTAL RECURRING CAPITAL	5,000	20,000.00	25,000.00	.00	20,000.00	.0%
TOTAL E 911	0	.00	.00	-25,178.34	6,099.29	100.0%
TOTAL REVENUES	-709,477	-102,108.00	-811,585.00	-557,929.02	-253,655.98	
TOTAL EXPENSES	709,477	102,108.00	811,585.00	532,750.68	259,755.27	
GRAND TOTAL	0	.00	.00	-25,178.34	6,099.29	100.0%

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FOR 2018 12

	ORIGINAL ESTIM REV	ESTIM REV ADJSTMTS	REVISED EST REV	ACTUAL YTD REVENUE	REMAINING REVENUE	PCT COLL
7551 E 911						
01 GENERAL GOVT REVENUE						
35755101 460000 INTEREST ON INVEST	0	.00	.00	-4,066.00	4,066.00	100.0%
TOTAL GENERAL GOVT REVENUE	0	.00	.00	-4,066.00	4,066.00	100.0%
03 CHARGES FOR SERVICES						
35755103 499999 SUBSCRIBER FEES	-595,350	.00	-595,350.00	-451,425.50	-143,924.50	75.8%*
TOTAL CHARGES FOR SERVICES	-595,350	.00	-595,350.00	-451,425.50	-143,924.50	75.8%
09 TRANSFERS FROM						
35755109 499900 APPROPRIATED FUND	-158,110	-19,079.00	-177,189.00	.00	-177,189.00	.0%*
35755109 690000 OVERHEAD	16,005	.00	16,005.00	.00	16,005.00	.0%
TOTAL TRANSFERS FROM	-142,105	-19,079.00	-161,184.00	.00	-161,184.00	.0%
20 OPERATIONS						
35755120 530100 TRAINING/DEVELOPME	5,000	.00	5,000.00	753.27	4,246.73	15.1%
35755120 530200 CERTIFICATIONS & L	14,965	2,350.00	17,315.00	12,024.00	4,311.00	75.1%
35755120 540000 TELEPHONE	450,000	.00	450,000.00	254,719.96	195,280.04	56.6%
35755120 571000 EQUIPMENT REP & MA	200,183	2,861.05	203,044.05	162,494.96	12,364.64	93.9%
35755120 620000 DEPARTMENTAL SUPPL	7,457	180.00	7,637.00	4,308.00	3,239.00	57.6%
35755120 625000 COMP SUPP/SFTWRE	12,900	8,688.00	21,588.00	8,688.00	.00	100.0%
35755120 630000 CONTRACT SERVICES	26,200	.00	26,200.00	27,490.00	-1,290.00	104.9%*
TOTAL OPERATIONS	716,705	14,079.05	730,784.05	470,478.19	218,151.41	64.4%
30 RECURRING CAPITAL						
35755130 801000 FURNISHINGS	20,750	5,000.00	25,750.00	10,535.80	7,961.20	69.1%
TOTAL RECURRING CAPITAL	20,750	5,000.00	25,750.00	10,535.80	7,961.20	40.9%

FOR 2018 12

		ORIGINAL ESTIM REV	ESTIM REV ADJSTMTS	REVISED EST REV	ACTUAL YTD REVENUE	REMAINING REVENUE	PCT COLL
TOTAL E 911		0	.05	.05	25,522.49	-74,929.89	%
	TOTAL REVENUES	-753,460	-19,079.00	-772,539.00	-455,491.50	-317,047.50	
	TOTAL EXPENSES	753,460	19,079.05	772,539.05	481,013.99	242,117.61	
	GRAND TOTAL	0	.05	.05	25,522.49	-74,929.89	%

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North Carolina 911 Board Grant Application

The 2019 Grant Application has been created in Microsoft Word for ease of completion. It is recommended that you download this application into Microsoft Word so that you may be able to enter, cut, paste and edit as needed. This application is NOT compatible with IPad, Apple products or apps. It requires 'Active X Interaction'.

There are no character limitations to the amount of data you can enter into a free text screen; once the visible field is full the data will begin to scroll. Do not submit an application until you are sure that you will not need to change it. Do not convert the application to a PDF format. Attachments must be submitted in either MS Word, MS Excel or Adobe pdf format and reference which question (ie: number) the attachment accompanies.

After an application is completed and submitted, it may NOT be modified by the applicant. If there are questions after the submission, the applicant will be required to contact and work with 911 Board staff to accomplish those modifications.

This is a competitive grant process. After the "General Information", there are 25 questions that must be answered by all applicants plus an additional 7 questions that must be completed for those agencies seeking a consolidation grant. Each of the 32 questions are weighted differently and scored. Scoring is based on the content of the answer to the question asked. Scoring is not based on the length of the answer.

Once completed, the application along with any accompanying documents must be emailed to 911comments@its.nc.gov . Applications will only be accepted via email. Any application received from the U.S. Postal Service, fax or other media will not be accepted. The deadline for filing is midnight, Friday June 15, 2018. If you have any questions, please contact Pokey Harris at pokey.harris@nc.gov or phone at 919-754-6621.

General Information

Project Title Pender Computer Aided Dispatch Upgrade Project

Grant Fiscal Year – 2019

Project Director Jackie Ezzell

Project Contact R. Earl Moore

Project Contact Title Public Safety IT Director

Address 605 East Fremont St

Burgaw, NC 28425

Phone 910-259-7107

Email earl.moore@pendersheriff.com

Three types of grants are available, as described below. In the box following these descriptions, please select the Grant Type which most appropriately fits your request.

- **Consolidation -** A consolidation project involves combining one or more PSAPs with a primary PSAP with an integrated management structure that serves the same populations and jurisdictions previously served by offering grant funding for both PSAP costs authorized under G.S. 143B-1406(e) and costs not authorized under G.S. 143B-1406(e) to include construction costs.
- **Individual PSAP Enhancement/Replacement -** the relocation costs of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.
- **Regional Initiative Enhancement/Replacement** - Regional initiatives are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such initiatives comprise projects involving two or more primary PSAPs or a primary PSAP with approved secondary PSAPs. Costs of relocation of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.

Grant Type Individual PSAP Enhancement/Replacement

PSAP Name Pender County 911

1. ***Has the Revenue/Expenditure Report for FY17 been completed and approved by the NC 911 Board Fiscal staff for the applicant PSAP?***

YES

2. ***Has the applicant PSAP implemented a plan and secured the means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP (backup plan)?***

YES

3. ***If the answer to #2 above is NO, please explain in detail why the plan has not been implemented?***

   Click or tap here to enter text.

4, Has the North Carolina 911 Board been notified that backup plan has not been implemented?

[Select]

Project Description

Required for all grant types, this should be a thorough, concise, and complete description of the proposed project.

5. Please outline project goals and objectives.

See Attachment 1 Question 5 – Goals and Objectives

6. Please provide an implementation strategy and work plan, including a timeline.

Should a Grant Award be received by Pender County the Software and Service Agreement(s) (contract) would then be submitted to the Board of County Commissioners for approval and commencement. Upon contract commencement, the Project Team will work with Zuercher to develop the operating timeline schedule which will identify milestones, tasks and due dates for each.

As part of the project, a Business Practice Review meeting is held. During the Business Practice Review, the Timeline and Scope of Work are defined; responsibilities will be determined and assigned within the project team.

A sample timeline has been included in the Grant Application packet. Please see Attachment 2 Question 6 - Sample Implementation Timeline

7. Please identify the interface or compatibility between existing equipment and/or software and that which you intend to purchase.

The following interfaces are included within the project Bill of Materials:

Basic Paging Interface (SMTP/Email)
This is a one-way interface from Zuercher CAD. Pages are sent via email, SMS, and/or CAP codes from Zuercher CAD. Zuercher enables the paging functionality in CAD. Interface is included at no cost.

E911 (ANI/ALI) Interface
This is a one-way interface from the 911 service provider to Zuercher CAD. It prepopulates calls for service by parsing raw spill data from the 911 service and importing it. Interface is included at no cost.

Emergency Reporting Interface (Export)
This is a one-way interface from Zuercher CAD to Emergency Reporting. Upon completion of a Call for Service (CFS) in CAD, an XML file containing CFS details, including applicable unit times, is sent from CAD to a SOAP-based web service managed by Emergency Reporting. Emergency Reporting is used by Pender County Fire Departments.

EMS Charts Interface (Export)
This is a one-way interface from Zuercher CAD to emsCharts. Upon the completion of a call for service (CFS), Zuercher calls the emsCharts web service and pushes CFS data to it. The data push is in XML format as provided by emsCharts and contains demographic details about the person(s) referenced in the CFS. EMS Charts is used by Pender EMS.

EvenTide Voice Recorder Interface
This is a two-way interface between the EvenTide voice recorder system and Zuercher CAD. Zuercher Suite sends call for service (CFS) data to the Voice Recorder system via an API provided by EvenTide. The Voice Recorder system assigns the CFS data to the recording. Assigned voice recordings may be accessed with a link in the CFS screen which calls the EvenTide API for the recording. Playback is handled in accordance with workstation settings for the audio player. Pender currently has an EvenTide Voice Recorder.

ProQA Platinum-Certified Interface (Import and Export)
This is a two-way interface between CAD and ProQA. From a call for service (CFS) in CAD, the ProQA application is launched manually or automatically from configured incident codes. CAD sends CFS data to ProQA. CAD users select the appropriate ProQA discipline (Law, Fire, or Medical), and follow the scripted call dialog within ProQA. When triggered by ProQA, CAD imports the call details, including the Responder Summary, to the CFS and updates the incident code if necessary. Pender currently uses the ProQA EMD application and interfaces with Vision CAD.

Rip and Run (Fax/Email) Interface
This is a one-way interface from CAD to fax and email services. Completed Calls for Service (CFS) from CAD are output (printed) to the services. This interface is included at no cost.

SMS Gateway Service Subscription
This is a one-way interface from CAD to the SMS Gateway. This interface allows pages (messages) to be sent to individuals and groups via SMS directly from CAD.

Zuercher Suite - NCCJIS/NCIC Interface (Basic Queries)
This is a two-way interface between Zuercher Suite and the Zuercher-provided NCIC server. The following basic queries will be generated by Zuercher Suite and passed to the NCIC server: QA (Article) QBOT (Boat), QDRV (Driver's License), QG (Gun), QVEH (Vehicle Registration), and Data Mining (NC only). The Zuercher-provided NCIC server then sends the queries on to NCIC and collects the results. Those query results are then sent back to Zuercher Suite. This interface would allow dispatch to increase efficiency by allowing dispatchers to query NCIC data within CAD. Currently dispatchers use omnixx to query data but then have to copy and paste the returned data into CAD.

Zuercher Suite - NCCJIS/NCIC Interface (Criminal History)
This is a two-way interface between Zuercher Suite and the Zuercher-provided NCIC server. Criminal history queries will be generated by Zuercher Suite and passed to the NCIC server. The NCIC server then sends the queries on to NCIC and collects the results. Those query results are then sent back to Zuercher Suite. This interface would allow dispatch to increase efficiency by allowing dispatchers to query NCIC data within CAD. Currently dispatchers use omnixx to query data but then have to copy and paste the returned data into CAD.

Zuercher Suite - Time Synchronization Interface
This a one-way interface that uses NTP to keep all Zuercher server's clocks in sync with Pender's existing NetClock.

Statement of Need

Required for all grant types, this statement should reference the relationship of the grant project to NCGS §143b-1407(b) and the current funding priorities established by the Grant Policy and Procedures and include evidence of any financial need.

8. The North Carolina Department of Commerce annually ranks the state's 100 counties based on economic well-being and assigns each a Tier designation. The 40 most distressed counties are designated as Tier 1, the next 40 as Tier 2 and the 20 least distressed as Tier 3. Please indicate your PSAP or group of PSAPs tier ranking based on the NC Department of Commerce 2018 Tier Designation

Tier 3, due to to the Surf City Beach, Topsail Beach and Hampstead Communities

9. Please identify funding priorities, their impact on operational services, and consequences of not receiving funding.

The Computer Aided Dispatch system is critical to Pender's Public Safety services. It is used to dispatch Calls for Service for EMS, Fire, Rescue, Law Enforcement, Emergency Management, and Animal Control for the entire county, including 3 municipal jurisdictions.

Not receiving funding would require Pender to remain on its legacy Computer Aided Dispatch system which receives very few updates and is not NextGen 911 ready; it is also our belief that the product will be discontinued eventually. Not receiving funding would also require Pender to replace its aging virtual server infrastructure, requiring future replacements every 5 years. Whereas, with Zuercher the servers are provided and replaced through the support and maintenance contract.

10. Please provide a copy of your PSAP's long-term or strategic technology plan and identify how the project fits within it.

Pender County 911 Communications does not have a formal, written technology plan to date. However, a formal plan is currently being developed and will be implemented in Fiscal Year 2018-2019. Currently, Pender maintains an average life cycle replacement of 5 years for most technology equipment. In addition, equipment is purchased with corresponding support and maintenance agreements to follow this life cycle. As the equipment nears its warranty or end of support date, a viable replacement is researched and added to the following year's budget. Pender has identified that replacing the legacy Public Safety software, VisionAir, and the virtual infrastructure it runs on ranks as the Highest priority in technology replacement. Pender's current Public Safety software is 10 years old and has had no improvements or enhancements; only patches to fix issues or support newer operating systems. Also, the software is not NextGen 911 ready and advancements to support future 911 board technology initiatives is very unlikely. In addition, the virtual infrastructure that hosts the legacy Public Safety software is over 6 years old. The equipment was leased in 2012 for 5 years. The lease was then extended in December 2017 for 2 additional years. A support contract with Dell, which covers the equipment, has been maintained during the duration. However, Dell will no longer support the equipment after October 2019; the equipment will then be end of support (EOS). If the Zuercher project is not funded, Pender will be required to replace this EOS equipment in FY 2018-2019, with an estimated cost of $300,000 for equipment. Replacing only the virtual infrastructure equipment will not address the ageing, legacy Public Safety system.

11. Please identify the likelihood of completing the project utilizing your 911 fund balance and the percentage of grant funding being requested in relation to total project costs.

Per the letter received on May 18, 2018 Pender is expected to receive $404,613.05 in distributions from the 911 Fund. Pender is requesting $361,760 for the "Pender Computer Aided Dispatch Upgrade Project" through the Grant Application process. If Pender funded this project through the funding expected in Fiscal Year 2018-2019, $404,613.05, this would leave Pender's remaining fund balance at $42,852.75. This amount would not be sufficient to cover daily operations of the PSAP.

Regional Initiative Enhancement/Replacement

Required for all Regional Initiative Enhancement/Replacement project types. Regional initiative enhancement/replacement projects are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such projects may involve two or more primary PSAPs.

12. What is the relationship of participating PSAPs to the initiative? Provide MOUs between PSAPs identifying each participant PSAP's responsibilities to the project.

Click or tap here to enter text.

13. Identify intended collaborative efforts between participating PSAPs.

Click or tap here to enter text.

14. Identify how resource sharing will take place.

Click or tap here to enter text.

15. Indicate how the initiative impacts the operational or strategic plans of the participating agencies.

Click or tap here to enter text.

NOTE: *The following section on "Consolidation Project Plan" is ONLY required if your type of grant is a "Consolidation". If your project IS NOT a Consolidation, proceed to question # 23 to complete the grant application.*

16. Indicate how a consolidation would take place and improve service

Click or tap here to enter text.

17. Indicate how the consolidated PSAP should be organized and staffed

Click or tap here to enter text.

18. Indicate what services the consolidated PSAP should perform

Click or tap here to enter text.

19. Indicate how consolidated PSAP policies should be made and changed

Click or tap here to enter text.

20. Indicate how the consolidated PSAP should be funded exclusive of grant funding

Click or tap here to enter text.

21. Indicate what changes or improvements should be made to inter-communications among the local governments participating in the consolidation in order to better support operations.

Click or tap here to enter text.

22. Discuss sustainability of the consolidation project during the proposed term of the project, and for the foreseeable future.

Click or tap here to enter text.

FINANCIAL DATA

23. Current 911 Fund Balance

Pender received a total of $399,470.72 in Distributions for Fiscal Year 2017-2018 from the 911 fund.

24. Estimated June 30, 2017 911 Fund Balance

It is estimated that $52,000 will remain in the 911 fund balance at the end of June 2018

25. Amount Requested

$361,760

26. Total Project Cost

Total Project Cost is $510,166. If Pender is awarded the Grant amount requested of $361,760 the County General Fund will pay for the remaining $148,406 which would cover items such as Jail, Civil, Administration and peripheral hardware.

A budget and budget narrative must be supplied for all types of projects, as well as a copy of the applicant agency's approved FY 2016 PSAP budget.

27. List by line item planned expenditures

Please see Attachment 3 Question 27 – Planned Expenditures and Attachment 4 Question 27 - Planned Expenditures (Zuercher Suite Pricing Proposal)." Advised on 6/7/2018 by Pokey Harris that attaching Planned expenditures as a separate document(s) was allowable and to notate such.

28. Provide a budget narrative that briefly explains the reason for each requested budget item.

Please see Attachment 5 Question 28 - Budget Narrative. Advised on 6/7/2018 by Pokey Harris that attaching Budget Narrative as a separate document was allowable and to notate such.

29. If the project will have ongoing expenses, such as monthly or annual recurring charges, identify those expenses by line item including the projected costs and the specific sources for future/long-term funding and demonstrate how the project will be sustained in the future without additional 911 Grant Program funding.

After the Zuercher Suite system Go-Live and system acceptance, Pender will receive 1 (one) year of Support and Maintenance free. In addition, the total cost of the project accounts for the first year of subscription and GIS services (listed below). If the acceptance of the project took place after July 2019, the annual subscriptions, GIS Data Maintenance and Maintenance and Support would not be due until after July 2020. Any remaining paid VisionAir maintenance will be prorated and applied to the total Year 1 maintenance cost, further reducing total due.

GIS Data Maintenance…… $4,500/annually
Priority SMS Paging Subscription…… $2,000/annually
Priority SMS Paging Subscription – Agency Site Licenses….. $2,000/annually
Maintenance & Support (Year 1)…… $83,494/annually

The annual reoccurring charges above will be sustained through the county fund balance. Items eligible for reimbursement through the 911 Funding process (or a percentage there of) will be submitted via the annual expense report. Pender currently submits a percentage of VisionAir support and maintenance for reimbursement via the annual expense report.

Evaluation

All applications must include evaluation information. The final report shall include an evaluation demonstrating that the equipment or services funded by the grant have been purchased, installed/implemented, and are performing as expected.

30. Explain how your evaluation will measure the achievement of the goals and objectives identified in the Project Description with a timeline and milestones for meeting short, intermediate, and long term goals.

The evaluative portion of this project should follow the timeline set fourth after contract commencement and kickoff meeting. Should a Grant Award be received by Pender County the contract would then be submitted to the Board of County Commissioners for approval and commencement. Upon contract commencement, the Project Team will work with Zuercher to develop the operating timeline schedule which will identify tasks and due dates for each task. As part of the project, a Business Practice Review meeting is held. During the Business Practice Review, the Scope of Work is defined further; responsibilities will be determined and assigned within the project team. A sample timeline has been included with the Grant Application.

31. Describe in detail how evaluations will be conducted, including performance parameters which must be met in order to meet acceptance criteria.

The Pender Project Team may consist of the following: Pender County Sheriff, Public Safety IT Director, 911 Director and Assistant 911 Director, 911 Supervisors, and selected stakeholders from each division of the Sheriff's Office. Zuercher will assign a Project

Manager which will work with Pender during the entire process. Milestones and expected due dates will be laid out during the Business Process Review and reflected in the operating Timeline. Such due dates can be adjusted based upon any inferences that keep the milestone/task from being completed on time. Acceptance and completion of each milestone will be evaluated by the Project Team. If the Project Team determines that goals and tasks of said milestone have been completed, the milestone will be considered Accepted.

Acceptance criteria will include items such as:
• Hardware will be installed, tested to ensure that no hardware issues exist, configured and tested for network accessibility (if applicable)
• Normalized, converted data records will be complete and match data in the existing system(s)
• Configuration defined in the Configuration Management Document (CMD) will be reflected and complete in the new system. Modifications after the CMD will require approval from both the Pender and Zuercher Project team(s).
• Field testing from all divisions (CAD, Patrol, Jail, Records, Civil, Administration) will be performed to ensure that configuration is accurate, converted data exists and is accurate, data work flows are correct, and interfaces function as intended. Any needed configuration or data changes will be documented, approved, and performed if approved by both Pender and Zuercher.
• System performance will be tested during training/field testing to ensure that the system performs correctly under heavy load. If performance is determined "unacceptable" or issues arise, a root cause analysis will be performed to determine the cause.
• End-User training will be performed pre-go-live using Pender's configuration and data. Staff representation from all divisions will be present during training sessions to ensure data "flows" correctly from dispatch to patrol to jail, etc.
• The system will be considered "Accepted" once ALL modules, interfaces, workflows and hardware function as intended, training has been performed and all items on the Scope of Work are completed and accepted.

32. Identify how data will be collected and presented

The Project Manager for Zuercher as well as the Project Manager for Pender will be responsible for collecting data and during all phases of the project. Data will be presented as PDF documents once compiled. Data collected includes but not limited to:

- Schedule and Timeline of Project
- Completed milestones within the project scope
- Configuration Management Document (CMD) and Scope of Work
- Copies of all Acceptance Documentation
- Coordination of tasks and services
- Configuration Setup Documentation to include task assignments, work progression, configuration modifications, testing and acceptance

- Data Conversion Documentation to include results, modifications and acceptance
- Interface Configuration, progression, testing and acceptance
- Final System Review session notes including punch list items and resolution
- Training session notes, including end-user survey, issues, data/configuration modifications, punch list items and issue resolution
- Go-Live Notes, including data/configuration modifications, issues and issue resolution

Once you are satisfied with your application, please email the completed application along with all attachments to 911comments@its.nc.gov The deadline for filing is midnight, Friday, June 15, 2018. **NO APPLICATIONS WILL BE ACCEPTED AFTER THAT DATE**

Once you have submitted the application including all necessary attachments, you will receive a reply email within 24 hours advising you that the grant application has been received. If you **DO NOT** receive the confirmation email within 24 hours, please contact Pokey Harris *pokey.harris@nc.gov* or call 919-754-6621

Attachment 1
Question 5: Please outline project goals and objectives

The Pender County 911 Center is seeking to upgrade its legacy, 10-year-old Computer Aided Dispatch system with an up-to-date, actively developed, NextGen 911 capable system. This would prepare Pender for emerging technologies and initiatives that further enhance the 911 call taking process.

In 2008, Pender County 911 implemented VisionAir CAD as their Computer-Aided Dispatch software. Over the course of 10 years, the VisionAir software has had no improvements or enhancements; only patches to fix issues or support new operating systems. Support and operation of this legacy software has become a daily struggle to both the users and IT staff.

Pender County has chosen Zuercher Technologies as its new Computer Aided Dispatch and Public Safety Software. Staff has researched and found that this CAD system is the ideal replacement for the legacy VisionAir software. In addition, the Zuercher Suite is considered an upgrade for current VisionAir customers in the small to medium range, as both companies are owned by TriTech Software Systems. This would be a significant cost savings as Zuercher will match our existing licenses 1:1 at 50% off as an upgrade incentive.

Below is a selection of the advantages of the Zuercher Suite compared to our current VisonAir software.

NextGen 911 Ready
Zuercher CAD supports NextGen 911 data supplied by the PSAP's 9-1-1 system. Data elements from the 9-1-1 system are mapped to appropriate fields in the Call for Service (CFS) and into Zuercher Mapping. Data such as texts, audio, video and other media files can also be attached to the CFS. Since Zuercher is progressive and actively developed, future changes in NG911 technology will be available to customers as it becomes available. In contrast, Vision CAD is not NG911 ready and does not support the consumption of texts, audio, video, etc.

Increased Efficiency
Zuercher CAD was built around the time-critical nature of 911 Centers, with every feature designed to increase efficiency and reduce response time. CAD offers command line entry allowing the dispatcher to rapidly issue commands via the keyboard; such as dispatching units and entering call notes. The integrated mapping enables quick unit recommendations based on nearest unit location and other factors. In contrast, Vision CAD does not allow for such efficiency. Dispatching a CFS requires multiple mouse clicks; often this time is increased while waiting for the server to respond. In addition, since Vision CAD and the Geolynx 9-1-1 applications are separate applications, the communication between the two applications often adds additional seconds to the call taking process.

Tight Integration
The Zuercher Suite is one application, one database and one vendor. This allows data to flow from all of the modules (CAD, Records, Mobile, Civil, etc.) effectively without data being lost in transit. As the dispatcher adds notes in CAD, the information is immediately available to the officer in the field. And vice versa, data entered into mobile is immediately available to the dispatcher. With VisionAir, CAD, Mobile, FBR, and RMS/JMS each have their own server with its own database and separate application. The applications are unified allowing data to be transmitted between applications. However, data cannot be lost in transit due to server issues, application issues or database issues.

Attachment 1
Question 5: Please outline project goals and objectives

Redundancy & Backup
As part of the project, Zuercher will be providing Warm Standby servers for our Backup Center. These servers will be up-to-date copies of the servers in production. Should the primary servers or primary site become unavailable, the warm stand-by servers will be used. This is critical for a coastal county prone to Hurricanes. While Sheriff's Office IT has measures in place to virtually migrate the single CAD server to the backup center, VisionAir does not provide warm stand-by servers. In addition, Zuercher sends a backup of the data to their facility in Sioux Falls, SD. This would allow Pender to have data in three locations with one being out of state. In Contrast, with VisionAir the customer is responsible for maintaining backups and is discouraged from backing up more than every 24 hours since running backups cause CAD to "lock up."

24 x 7 x 365 Support and monitoring
As part of the annual maintenance, Zuercher provides 24x7x365 support. The support line connects you to a live person, in their Sioux Falls, SD office. Critical issues receive the highest priority and the development team devotes their time until the issue is resolved. In contrast, VisionAir support has greatly degraded. While critical issues are given more attention, the small collection of technical support staff cause delays in call-backs when a ticket is submitted. In addition, Zuercher monitors their customer's system 24x7x365. They take a proactive approach and often resolve issues before the customer is aware of said issues. This keeps the systems operating at 100%. With VisionAir, the customer is responsible for monitoring the systems; leaving IT to take a reactive approach to system issues.

Training
As part of the Zuercher suite, an on-site training server is provided. This allows new hires to train on our data and setup. In addition, changes/modifications can be tested on the training server before being made in production. Zuercher also holds monthly web-ex meetings to cover various topics and new features keeping staff up-to-date on changes. An on-line video library is readily available to allow staff to refresh their knowledge on a wide arrange of topics. In contrast, with the VisionAir system staff are trained on the live, production environment with no training server available. Changes are made and tested on the live/production server which often cause issues and additional staff time to revert changes made. Tritech does not make videos available for its legacy VisionAir products nor do they hold webex meetings to train on new changes or features.

Powerful reporting
Getting accurate information out of CAD is critical for State reporting, statistics, addressing high crime areas, addressing response time, etc. The Zuercher suite comes with a built-in, "drag-and-drop" report generator. Report creation is a simple process and can be done by staff; even staff that are not highly technical or have report scripting experience. Reports can be set to run manually or on a schedule. In addition, reports results can display on a user's dashboard for a quick "at-a-glance" look at data, such as the number of daily calls for service. Currently, the legacy VisionAir reporting system uses Crystal Reports. Creation of custom reports is extremely difficult, even for IT staff. Custom reports often require a service engagement with Tritech's VisionAir staff; such custom report services begin at $1,500 per custom report. In addition, data retrieved from reports is unreliable. In one instance, the 911 Director ran a report to retrieve the number of calls for service for a fiscal year. The report was run 3 times with the same criteria; all three report runs produced different totals.

Attachment 1
Question 5: Please outline project goals and objectives

Servers provided, saving future costs
With Zuercher, the application/database servers are provided. In addition, the support and maintenance plan covers hardware replacement and upgrades (memory, disk space, etc.) should the agency grow. This would be a significant cost savings to Pender and the 911 Board. Rather than replacing costly servers, storage, and licenses every 4-5 years (i.e. forklift upgrade) any hardware replacement costs are covered under the annual support and maintenance. In contrast, with the legacy VisionAir software the customer is responsible for all server, storage and license costs. With continual use of this software, Pender will be required to perform a "forklift" upgrade every 4-5 years. Such cost would include new servers, new storage area networks, Windows Server Licenses, Microsoft SQL Server License, VMware Licenses, and new infrastructure networking equipment. Continuing to support this model would cause a great impact to the 911 Fund Balance on an annual basis with no return on investment with use of the legacy VisionAir software.

Regular Software Updates
Zuercher regularly releases software updates. These updates include new customer requested features, enhancements and support for new technology. Patches are applied on a as needed basis as well. In contrast, VisionAir updates are not released often (Only 1 CAD update released in almost 3 years). Updates released only address bug fixes and support for new operating systems. No new features, enhancements or support for new technology have been included in the updates.

ZUERCHER Zuercher Technologies | 4509 W 58th Street | Sioux Falls, SD 57108
605.274.6061 | 877.229.2205

May 18, 2018

Sheriff Carson Smith
Pender County Sheriff's Office
PO Box 1449
Burgaw, NC 28425

Dear Sheriff Smith,

Below please find a sample implementation timeline.

Implementation Timeline

The following is an estimated implementation timeline. This timeline could change based on contract signing date and Pender Co NC, Zuercher, and customer defined interface vendor availability.

August 1, 2018

- Pender Co NC completes contract signing

August 5, 2018

- Zuercher Technologies initiates internal kickoff discussions

August 8, 2018

- Zuercher Technologies holds kickoff meeting with Pender Co NC
- Zuercher Technologies and Pender Co NC work on verifying Server Sizing Document

August 12, 2018

- Pender Co NC schedules interface discussions with third-party vendors
- Zuercher Technologies provides Pender Co NC Server and Network Specifications for Zuercher hardware
- Pender Co NC identifies server and network specifications for Zuercher hardware

August 26, 2018

- Pender Co NC provides completed and signed Server Specification Document
- Pender Co NC provides completed and signed Network Specification Document
- Zuercher Technologies orders Pender Co NC servers

September 2018

- Zuercher Technologies begins system configuration with Pender Co NC
- Zuercher Technologies completes server configuration

October 2018

- Zuercher Technologies ships Zuercher installed servers to Pender Co NC
- Pender Co NC installs Zuercher servers and confirms connectivity

November 2018

- Zuercher Technologies attends Business Practice Review (BPR) at Pender Co NC

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- Zuercher Technologies submits the Configuration Management Document (CMD) to Pender Co NC for review and approval
- Zuercher Technologies receives approved CMD from Pender Co NC
- Zuercher Technologies continues system configuration with Pender Co NC

December 2018

- Zuercher Technologies begins data conversion activities
- Zuercher Technologies continues system configuration with Pender Co NC

January 2019

- Zuercher Technologies completes system configuration with Pender Co NC
- Zuercher Technologies continues data conversion activities

February 2019

- Pender Co NC begins system review of Zuercher Suite

March 2019

- Zuercher Technologies completes data conversion activities
- Pender Co NC completes system review of Zuercher Suite

April 2019

- Zuercher Technologies ships peripheral hardware to Pender Co NC
- Pender Co NC installs and tests peripheral hardware

May 2019

- Zuercher Technologies begins Zuercher Suite training sessions

June 2019

- Zuercher Technologies completes Zuercher Suite training sessions
- Zuercher Technologies and Pender Co NC complete final review of Zuercher Suite software

July 2019

- Pender Co NC goes live with Zuercher Suite software

Post Go Live

- Identified interface and module implementation

Please let us know if you have any further questions.

Sincerely,

Kerry Wicks
Account Executive
kerry.wicks@zuerchertech.com
910.431.0777

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Attachment 3
Question 27 - Planned Expenditures

Items highlighted in Green are planned expenditures for the project. Dollar Amounts in the "Discounted" column represent the incentive pricing offered to Pender to upgrade to the Zuercher Suite. Dollar Amounts in the "Grant Funding Requested" is the total amount requested for each item. The discounted rate was used to determine the amount requested.

Software and Servers	Comments	Unit	Qty	Price	Total	Discounted	Grant Funding Requested
				$ -			
Zuercher Suite Production Server (Dell Server, OS, DBMS, Installation & Testing)	Includes up to 4TB of disk.		1	$ 18,940	$ 18,940	$ 12,023	$ 12,023
Zuercher Suite Training/Testing Server (Dell Server, OS, DBMS, Installation & Testing)	Includes up to 4TB of disk.		1	$ 11,960	$ 11,960	$ 7,592	$ 7,592
Zuercher Suite Warm Standby Server (Dell Server, OS, DBMS, Installation & Testing)	Includes up to 4TB of disk.		1	$ 18,940	$ 18,940	$ 12,023	$ 12,023
Zuercher Suite Production NCIC Server (Virtualized Server, OS, Installation & Testing)			1	Included	Included	Included	
Zuercher Suite Warm Standby NCIC Server (Virtualized Server, OS, Installation & Testing)			1	Included	Included	Included	
Zuercher Suite Production GIS Server (Virtualized Server, OS, Software, Analytics, Installation & Testing)			1	Included	Included	Included	
Zuercher Suite Warm Standby GIS Server (Virtualized Server, OS, Software, Analytics, Installation & Testing)			1	Included	Included	Included	
Administration Core			1	$ 4,000	$ 4,000	$ 2,539	$ -
Administration Core (Agency Site License)			1	$ 5,215	$ 5,215	$ 3,311	$ -
CAD Core			1	$ 15,000	$ 15,000	$ 9,522	$ 9,522
CAD Core (Agency Site License)	For 1 - 5 CAD Workstations		1	$ 22,500	$ 22,500	$ 14,283	$ 14,283
CAD Advanced (Agency Site License)	For 1 - 5 CAD Workstations		1	$ 7,500	$ 7,500	$ 4,761	$ 4,761
CAD - Basic Paging Interface (SMTP/Email)			1	Included	Included	Included	
CAD - E911 (ANI/ALI) Interface			1	Included	Included	Included	
CAD - Emergency Reporting Interface (Export)			1	$ 5,500	$ 5,500	$ 3,491	$ 3,491
CAD - EMS Charts Interface (Export)			1	$ 5,500	$ 5,500	$ 3,491	$ 3,491

Attachment 3

Question 27 - Planned Expenditures

CAD - EvenTide Voice Recorder Interface			1	$ 9,500	$ 9,500	$ 6,031	$ 6,031
CAD - ProQA Platinum-Certified Interface (Import and Export)			1	$ 14,500	$ 14,500	$ 9,205	$ 9,205
CAD - Rip and Run (Fax/Email) Interface			1	Included	Included	Included	
Mapping Core			1	$ 10,000	$ 10,000	$ 6,348	$ 6,348
Mapping Core (Agency Site License) for Full-Time CAD Workstations	For 1 - 5 CAD Workstations	Per Agency	1	$ 10,000	$ 10,000	$ 6,348	$ 6,348
Mapping Core (Seat License) for Backup/Supervisor/Part-Time Workstations		Per Seat	14	$ 750	$ 10,500	$ 10,500	$ 10,500
Mapping AVL (Agency Site License) for Full-Time CAD Workstations	For 1 - 5 CAD Workstations	Per Agency	1	$ 9,000	$ 9,000	$ 5,713	$ 5,713
Mapping AVL Playback (Agency Site License) for Full-Time CAD Workstations	For 1 - 5 CAD Workstations	Per Agency	1	$ 5,000	$ 5,000	$ 3,174	$ 3,174
Mapping - GeoTab AVL Interface (Import)			1	$ 12,500	$ 12,500	$ 7,935	$ 7,935
Civil Core			1	$ 5,000	$ 5,000	$ 3,174	$ -
Civil Core (Agency Site License)			1	$ 5,364	$ 5,364	$ 3,405	$ -
Civil Advanced (Agency Site License)			1	$ 1,788	$ 1,788	$ 1,135	$ -
Financial Core			1	Included	Included	Included	$ -
Financial Core (Agency Site License)			1	Included	Included	Included	$ -
Jail Core			1	$ 20,000	$ 20,000	$ 12,696	$ -
Jail Core (Agency Site License)			1	$ 12,075	$ 12,075	$ 7,665	$ -
Jail Advanced (Agency Site License)			1	$ 4,025	$ 4,025	$ 2,555	$ -
Jail Extend		Per Unit	2	$ 750	$ 1,500	$ 952	$ -
Jail - Commissary Interface (Export)	Kimballs		1	$ 5,460	$ 5,460	$ 3,466	$ -
Jail - Inmate Phone Interface (Export)	Securus		1	$ 5,460	$ 5,460	$ 3,466	$ -
Jail - M2SYS Fingerprint Interface			1	$ 5,460	$ 5,460	$ 3,466	$ -
Jail - N-DEx Adapter (IB IEPD)			1	Included	Included	Included	$ -
Jail - VINE Interface (Export)			1	$ 5,460	$ 5,460	$ 3,466	$ -
Mobile Core			1	$ 5,000	$ 5,000	$ 3,174	$ 3,174

Attachment 3

Question 27 - Planned Expenditures

Mobile AVL		Per Unit	73	$ 200	$ 14,600	$ 9,268	$ 9,268
Mobile CAD		Per Unit	73	$ 450	$ 32,850	$ 20,854	$ 20,854
Mobile Civil		Per Unit	70	Included	Included	Included	$ -
Mobile Mapping		Per Unit	73	$ 550	$ 40,150	$ 40,150	$ 40,150
Mobile NCIC		Per Unit	70	Included	Included	Included	$ -
Mobile Records		Per Unit	70	$ 950	$ 66,500	$ 42,215	$ 42,215
Personnel Core			1	Included	Included	Included	$ -
Personnel Core (Agency Site License)			1	Included	Included	Included	$ -
Personnel Advanced (Agency Site License)			1	$ 2,547	$ 2,547	$ 1,617	$ -
Portal - Community Involvement Pack			1	$ 5,118	$ 5,118	$ 3,249	$ -
Portal - Remote CFS View Pack			1	$ 5,118	$ 5,118	$ 3,249	$ 3,249
Portal - Attorney Case View			1	$ 5,118	$ 5,118	$ 3,249	$ -
Records Core			1	$ 7,500	$ 7,500	$ 4,761	$ 4,761
Records Core (Agency Site License)			1	$ 32,700	$ 32,700	$ 20,758	$ 20,758
Records Advanced (Agency Site License)			1	$ 10,900	$ 10,900	$ 6,919	$ -
Records - eCitations Interface (Import)	NC eCITATION		1	$ 9,000	$ 9,000	$ 5,713	$ -
Records - NC Crime Reporting (N-DEx/NIBRS) Interface			1	Included	Included	Included	$ -
Records - N-DEx Adapter (IA IEPD)			1	Included	Included	Included	$ -
Records - OSSI P2P Interface (Export)			1	$ 15,000	$ 15,000	$ 9,522	$ -
Reporting Core			1	Included	Included	Included	$ -
Reporting Universal Interface Engine			1	Included	Included	Included	$ -
Zuercher Suite - NCCJIS/NCIC Interface (Basic Queries)	QA (Article), QBOT (Boat), QDRV (Drivers License), QG (Gun), QVEH (Vehicle Registration), Data Mining (NC only)		1	$ 10,000	$ 10,000	$ 10,000	$ 10,000
Zuercher Suite - NCCJIS/NCIC Interface (Criminal History)			1	$ 1,250	$ 1,250	$ 1,250	$ 1,250

Attachment 3
Question 27 - Planned Expenditures

Zuercher Suite - Time Synchronization Interface			1	Included	Included	Included	
Software and Servers Pre-Discount Subtotal					**$ 530,997**		
Software and Servers Discount					**$ (171,309)**		
Software and Servers Total					**$ 359,687**	**$ 359,687**	**$ 278,121**
Subscriptions	**Comments**	**Unit**	**Qty**	**Price**	**Total**		
CAD - CLQ Location and Image Retrieval Subscription Core (up to 1,000 messages per month)					$ 3,000		$ 3,000
CAD - CLQ Location and Image Retrieval Subscription Core (Agency Site License)					$ 2,000		$ 2,000
CAD - Priority SMS Paging Subscription Core (up to 1,500 messages per full-time dispatch seat per month)			1	$ 2,000	$ 2,000		$ 2,000
CAD - Priority SMS Paging Subscription Core (Agency Site License)			1	$ 2,000	$ 2,000		$ 2,000
Subscriptions Total					**$ 9,000**		**$ 9,000**
Peripheral Hardware	**Comments**	**Unit**	**Qty**	**Price**	**Total**		
Administration - Inventory/Equipment Barcode Scanner and Printer Package (Wasp)			1	$ 949	$ 949		
Jail - Mugshot Camera Package (Canon EOS Rebel)			1	$ 1,396	$ 1,396		
Jail - Wristband Printer, Laminator & Scanner Package (Primera, Wasp)			1	$ 2,731	$ 2,731		
Records - Property & Evidence Barcode Scanner and Printer Package (Wasp)			1	$ 949	$ 949		

Attachment 3
Question 27 - Planned Expenditures

Extend - iPad Package for Jail (1D/2D scanner and Otterbox)			2	$ 1,338	$ 2,675		
Peripheral Hardware Total					**$ 8,700**		
Services	**Comments**	**Unit**	**Qty**	**Price**	**Total**		
Project Manager							
3 round-trips anticipated		Per Project	1	$ 51,216	$ 51,216		$ 25,608
Configuration and Business Process Review (BPR)							
2 round-trips anticipated		Per Project	1	$ 11,390	$ 11,390		$ 5,695
Training							
- Administration							
- CAD							
- Civil							
- Jail							
- Mobile							
- Records							
- Refresher							
5 round-trips anticipated		Per Project	1	$ 28,873	$ 28,873	$ -	$ 19,248
Go-live Support							
2 round-trips anticipated		Per Project	1	$ 9,800	$ 9,800		$ 4,900
Mapping - One-time GIS Data Set Up			1	$ 4,500	$ 4,500		$ 4,500
Mapping - GIS Data Maintenance (up to 3 hours per month)		Per Year	1	$ 4,500	$ 4,500		$ 4,500
Data Conversion	VisionAIR CAD	Per Module	1	$ 7,500	$ 7,500		$ 7,500
Data Conversion	VisionAIR RMS	Per Module	1	$ 7,500	$ 7,500		$ 7,500
Data Conversion	VisionAIR JMS	Per Module	1	$ 7,500	$ 7,500		
Services Total					**$ 132,779**		**$ 79,451**

Attachment 3

Question 27 - Planned Expenditures

TOTALS							
Software and Servers Pre-Discount Subtotal					**$ 530,997**		
Software and Servers Discount					**$ (171,309)**		
Software and Servers Total					**$ 359,687**		
Subscriptions Total					**$ 9,000**		
Peripheral Hardware Total					**$ 8,700**		
Services Total					**$ 132,779**		
TOTAL					**$ 510,166**	$ 510,166	**$ 366,572.38**
Recurring (Subscriptions & Maintenance)							
Subscriptions (Year 1)					**Prepaid**		
Subscriptions (Year 2)			1		**$ 9,000**		
Subscriptions (Year 3)			1		**$ 9,000**		
Subscriptions (Year 4)			1		**$ 9,000**		
Subscriptions (Year 5)			1		**$ 9,000**		
Maintenance & Support Pre-Discount Subtotal					**$ 93,860**		
Maintenance & Support Discount					**$ (10,366)**		
Maintenance & Support (Year 1)			1		**Included**		
Maintenance & Support (Year 2)			1		**$ 83,494**		

Zuercher Suite Pricing

Zuercher Suite Standard Pricing

Software and Servers	Comments	Unit	Qty	Price	Total
Zuercher Suite Production Server (Dell Server, OS, DBMS, Installation & Testing)	Includes up to 4TB of disk.		1	$ 18,940	$ 18,940
Zuercher Suite Training/Testing Server (Dell Server, OS, DBMS, Installation & Testing)	Includes up to 4TB of disk.		1	$ 11,960	$ 11,960
Zuercher Suite Warm Standby Server (Dell Server, OS, DBMS, Installation & Testing)	Includes up to 4TB of disk.		1	$ 18,940	$ 18,940
Zuercher Suite Production NCIC Server (Virtualized Server, OS, Installation & Testing)			1	Included	Included
Zuercher Suite Warm Standby NCIC Server (Virtualized Server, OS, Installation & Testing)			1	Included	Included
Zuercher Suite Production GIS Server (Virtualized Server, OS, Software, Analytics, Installation & Testing)			1	Included	Included
Zuercher Suite Warm Standby GIS Server (Virtualized Server, OS, Software, Analytics, Installation & Testing)			1	Included	Included
Administration Core			1	$ 4,000	$ 4,000
Administration Core (Agency Site License)			1	$ 5,215	$ 5,215
CAD Core			1	$ 15,000	$ 15,000
CAD Core (Agency Site License)			1	$ 22,500	$ 22,500
CAD Advanced (Agency Site License)			1	$ 7,500	$ 7,500
CAD - Basic Paging Interface (SMTP/Email)			1	Included	Included
CAD - E911 (ANI/ALI) Interface			1	Included	Included
CAD - Emergency Reporting Interface (Export)			1	$ 5,500	$ 5,500
CAD - EMS Charts Interface (Export)			1	$ 5,500	$ 5,500
CAD - EvenTide Voice Recorder Interface			1	$ 9,500	$ 9,500
CAD - ProQA Platinum-Certified Interface (Import and Export)			1	$ 14,500	$ 14,500
CAD - PulsePoint Interface (Export)			1	Included	Included
CAD - Rip and Run (Fax/Email) Interface			1	Included	Included
Mapping Core			1	$ 10,000	$ 10,000
Mapping Core (Agency Site License) for Full-Time CAD Workstations		Per Agency	1	$ 10,000	$ 10,000
Mapping Core (Seat License) for Backup/Supervisor/Part-Time Workstations		Per Seat	14	$ 750	$ 10,500
Mapping AVL (Agency Site License) for Full-Time CAD Workstations		Per Agency	1	$ 9,000	$ 9,000
Mapping AVL Playback (Agency Site License) for Full-Time CAD Workstations		Per Agency	1	$ 5,000	$ 5,000
Mapping - GeoTab AVL Interface (Import)			1	$ 12,500	$ 12,500
Civil Core			1	$ 5,000	$ 5,000
Civil Core (Agency Site License)			1	$ 5,364	$ 5,364
Civil Advanced (Agency Site License)			1	$ 1,788	$ 1,788
Financial Core			1	Included	Included
Financial Core (Agency Site License)			1	Included	Included
Jail Core			1	$ 20,000	$ 20,000
Jail Core (Agency Site License)			1	$ 12,075	$ 12,075
Jail Advanced (Agency Site License)			1	$ 4,025	$ 4,025
Jail Extend		Per Unit	2	$ 750	$ 1,500
Jail - Commissary Interface (Export)	Kimballs		1	$ 5,460	$ 5,460
Jail - Inmate Phone Interface (Export)	Securus		1	$ 5,460	$ 5,460
Jail - M2SYS Fingerprint Interface			1	$ 5,460	$ 5,460
Jail - N-DEx Adapter (IB IEPD)			1	Included	Included
Jail - VINE Interface (Export)			1	$ 5,460	$ 5,460

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Zuercher Suite Standard Pricing (continued 1)

Mobile Core			1	$ 5,000	$ 5,000
Mobile AVL		Per Unit	73	$ 200	$ 14,600
Mobile CAD		Per Unit	73	$ 450	$ 32,850
Mobile Civil		Per Unit	70	Included	Included
Mobile Mapping		Per Unit	73	$ 550	$ 40,150
Mobile NCIC		Per Unit	70	Included	Included
Mobile Records		Per Unit	70	$ 950	$ 66,500
Personnel Core			1	Included	Included
Personnel Core (Agency Site License)			1	Included	Included
Personnel Advanced (Agency Site License)			1	$ 2,547	$ 2,547
Portal - Community Involvement Pack			1	$ 5,118	$ 5,118
Portal - Remote CFS View Pack			1	$ 5,118	$ 5,118
Portal - Attorney Case View			1	$ 5,118	$ 5,118
Records Core			1	$ 7,500	$ 7,500
Records Core (Agency Site License)			1	$ 32,700	$ 32,700
Records Advanced (Agency Site License)			1	$ 10,900	$ 10,900
Records - eCitations Interface (Import)	NC eCITATION		1	$ 9,000	$ 9,000
Records - NC Crime Reporting (N-DEx/NIBRS) Interface			1	Included	Included
Records - N-DEx Adapter (IA IEPD)			1	Included	Included
Records - OSSI P2P Interface (Export)			1	$ 15,000	$ 15,000
Reporting Core			1	Included	Included
Reporting Universal Interface Engine			1	Included	Included
Zuercher Suite - NCCJIS/NCIC Interface (Basic Queries)	QA (Article), QBOT (Boat), QDRV (Drivers License), QG (Gun), QVEH (Vehicle Registration), Data Mining (NC only)		1	$ 10,000	$ 10,000
Zuercher Suite - NCCJIS/NCIC Interface (Criminal History)			1	$ 1,250	$ 1,250
Zuercher Suite - Time Synchronization Interface			1	Included	Included
Software and Servers Pre-Discount Subtotal					**$ 530,997**
Software and Servers Discount					**$ (171,309)**
Software and Servers Total					**$ 359,687**
Subscriptions	**Comments**	**Unit**	**Qty**	**Price**	**Total**
CAD - CLQ Location and Image Retrieval Subscription Core (up to 1,000 messages per month)			1	$ 3,000	$ 3,000
CAD - CLQ Location and Image Retrieval Subscription Core (Agency Site License)			1	$ 2,000	$ 2,000
CAD - Priority SMS Paging Subscription Core (up to 1,500 messages per full-time dispatch seat per month)			1	$ 2,000	$ 2,000
CAD - Priority SMS Paging Subscription Core (Agency Site License)			1	$ 2,000	$ 2,000
Subscriptions Total					**$ 9,000**

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Zuercher Suite Standard Pricing (continued 2)

Peripheral Hardware	Comments	Unit	Qty	Price	Total
Administration - Inventory/Equipment Barcode Scanner and Printer Package (Wasp)			1	$ 949	$ 949
Jail - Mugshot Camera Package (Canon EOS Rebel)			1	$ 1,396	$ 1,396
Jail - Wristband Printer, Laminator & Scanner Package (Primera, Wasp)			1	$ 2,731	$ 2,731
Records - Property & Evidence Barcode Scanner and Printer Package (Wasp)			1	$ 949	$ 949
Extend - iPad Package for Jail (1D/2D scanner and Otterbox)			2	$ 1,338	$ 2,675
Peripheral Hardware Total					**$ 8,700**
Services	**Comments**	**Unit**	**Qty**	**Price**	**Total**
Project Manager					
3 round-trips anticipated		Per Project	1	$ 51,216	$ 51,216
Configuration and Business Process Review (BPR)					
2 round-trips anticipated		Per Project	1	$ 11,390	$ 11,390
Training					
- Administration					
- CAD					
- Civil					
- Jail					
- Mobile					
- Records					
- Refresher					
5 round-trips anticipated		Per Project	1	$ 28,873	$ 28,873
Go-live Support					
2 round-trips anticipated		Per Project	1	$ 9,800	$ 9,800
Mapping - One-time GIS Data Set Up			1	$ 4,500	$ 4,500
Mapping - GIS Data Maintenance (up to 3 hours per month)		Per Year	1	$ 4,500	$ 4,500
Data Conversion	VisionAIR CAD	Per Module	1	$ 7,500	$ 7,500
Data Conversion	VisionAIR RMS	Per Module	1	$ 7,500	$ 7,500
Data Conversion	VisionAIR JMS	Per Module	1	$ 7,500	$ 7,500
Services Total					**$ 132,778**

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Zuercher Suite Standard Pricing (continued 3)

TOTALS					
Software and Servers Pre-Discount Subtotal					$ 530,997
Software and Servers Discount					$ (171,309)
Software and Servers Total					$ 359,687
Subscriptions Total					$ 9,000
Peripheral Hardware Total					$ 8,700
Services Total					$ 132,778
TOTAL					$ 510,166
Recurring (Subscriptions & Maintenance)					
Subscriptions (Year 1)					Prepaid
Subscriptions (Year 2)			1		$ 9,000
Maintenance & Support Pre-Discount Subtotal					$ 93,860
Maintenance & Support Discount					$ (10,366)
Maintenance & Support (Year 1)			1		Included
Maintenance & Support (Year 2)			1		$ 83,494
Taxes are not included in the pricing.					

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Attachment 5
Question 28 - Budget Narrative

Servers

Zuercher Suite Production Server $12,023
Hosts the database and back-end application(s) for the Zuercher Suite.

Zuercher Suite Training / Testing Server $7,592
Hosts a copy of the database and back-end application(s) for the purpose of training staff and testing configurations before implementing in live environment.

Zuercher Suite Warm Standby Server $12,023
A mirror copy of the Production server located at the 911 Backup Center. Should the production server and/or 911 Center become non-operational, the warm standby will be used until the production server/site can be reestablished.

Zuercher Suite Production NCIC Server ..... Included
Production server used to interface with and report back queries from NCIC to CAD and Mobile CAD. Server included at no cost.

Zuercher Suite Warm Standby NCIC Server ..... Included
A mirror copy of the Production server located at the 911 Backup Center. Should the production server and/or 911 Center become non-operational, the warm standby will be used to return NCIC queries until the production server/site can be reestablished. Server included at no cost.

Zuercher Suite Production GIS Server ..... Included
Hosts the database and back-end application(s) used for CAD Maps, Mobile CAD Maps and AVL. Server included at no cost.

Zuercher Suite Warm Standby GIS Server ..... Included
A mirror copy of the Production server located at the 911 Backup Center. Should the production server and/or 911 Center become non-operational, the warm standby will be used for CAD Maps, Mobile CAD Maps and AVL until the production server/site can be reestablished. Server included at no cost.

Software

CAD Core $9,522
CAD Core (Agency Site License) $14,283
CAD Advanced (Agency Site License) $4,761
The CAD Core and CAD Advanced are the Zuercher Suite Computer Aided Dispatch system licenses. This allows 911 communications to create new calls for service, enter data into CFS, dispatch units, monitor CFS using real-time call updates, issue system-wide alerts, analyze response times, query NCIC data, converse with units using instant messaging, etc.

CAD - Basic Paging Interface (SMTP/Email) ..... Included
This is a one-way interface from Zuercher CAD. Pages are sent via email, SMS, and/or CAP codes from Zuercher CAD. Zuercher enables the paging functionality in CAD. Interface is included at no cost.

CAD - E911 (ANI/ALI) Interface ..... Included
This is a one-way interface from the 911 service provider to Zuercher CAD. It prepopulates calls for service by parsing raw spill data from the 911 service and importing it. Interface is included at no cost.

Attachment 5
Question 28 - Budget Narrative

CAD - Emergency Reporting Interface (Export) $3,491
This is a one-way interface from Zuercher CAD to Emergency Reporting. Upon completion of a Call for Service (CFS) in CAD, an XML file containing CFS details, including applicable unit times, is sent from CAD to a SOAP-based web service managed by Emergency Reporting. Emergency Reporting is used by Pender County Fire Departments.

CAD - EMS Charts Interface (Export) $3,491
This is a one-way interface from Zuercher CAD to emsCharts. Upon the completion of a call for service (CFS), Zuercher calls the emsCharts web service and pushes CFS data to it. The data push is in XML format as provided by emsCharts and contains demographic details about the person(s) referenced in the CFS. EMS Charts is used by Pender EMS.

CAD - EvenTide Voice Recorder Interface $6,031
This is a two-way interface between the EvenTide voice recorder system and Zuercher CAD. Zuercher Suite sends call for service (CFS) data to the Voice Recorder system via an API provided by EvenTide. The Voice Recorder system assigns the CFS data to the recording. Assigned voice recordings may be accessed with a link in the CFS screen which calls the EvenTide API for the recording. Playback is handled in accordance with workstation settings for the audio player. Pender currently has an EvenTide Voice Recorder.

CAD - ProQA Platinum-Certified Interface (Import and Export) $9,205
This is a two-way interface between CAD and ProQA. From a call for service (CFS) in CAD, the ProQA application is launched manually or automatically from configured incident codes. CAD sends CFS data to ProQA. CAD users select the appropriate ProQA discipline (Law, Fire, or Medical), and follow the scripted call dialog within ProQA. When triggered by ProQA, CAD imports the call details, including the Responder Summary, to the CFS and updates the incident code if necessary. Pender currently uses the ProQA EMD application and interfaces with Vision CAD.

CAD - Rip and Run (Fax/Email) Interface ..... Included
This is a one-way interface from CAD to fax and email services. Completed Calls for Service (CFS) from CAD are output (printed) to the services. This interface is included at no cost.

Mapping Core $6,348
Mapping Core (Agency Site License) for Full-Time CAD Workstations..... $6,348
Mapping Core (Seat License) for Backup/Supervisor/Part-Time Workstations..... $10,500
The Mapping Core is tightly integrated with CAD. The mapping component is used to displays a 911 call location, active incidents and unit display with AVL functionality, routing and unit status alerts. Mapping can also be used to plot other markers such as roadblocks, burn notices, etc.

Mapping AVL (Agency Site License) for Full-Time CAD Workstations..... $5,713
AVL is used to keep track of vehicles in real-time. It allows dispatch to know where units are without needing to constantly contact the unit via radio to ask for their location. AVL also allows units to be dispatched based on current location. This helps increase efficiency and response time for participating agencies

Mapping AVL Playback (Agency Site License) for Full-Time CAD Workstations $3,174
AVL Playback allows agencies to look back at the details of a call for service or a responder's movement. This tool makes it possible for authorized users to handle complaints, train for situational awareness, review response time and tactics.

Mapping - GeoTab AVL Interface (Import)..... $7,935
This interface will import the AVL data provided by GeoTab into Zuercher Mapping AVL. GeoTab is currently being used on Sheriff's Office units.

Attachment 5
Question 28 - Budget Narrative

Mobile Core $3,174

Mobile CAD $20,854

Mobile CAD enables silent dispatch and puts critical information into the hands of the units in the field. Mobile CAD works with Desktop CAD to create a streamlined dispatch workflow. Mobile units stay synchronized with the servers so that mobile users are have up-to-date incident assignments, call details, location information, and safety alerts. Mobile CAD allows users to update their statuses with the touch of a button without a call over the radio which enables silent dispatch; freeing up dispatch staff and reducing unit response times. In addition, features such as instant messaging also provide a means of rapid, radio-free communication between dispatch and mobile units.

Mobile Mapping $40,150

Mobile map brings the same map used by dispatch to the mobile units. Mobile users are able to view map layers, view themselves and other units on the map, look up addresses, route to a call for service or other marker and stay current with where things are happening. The Mobile Map is completely integrated with Mobile CAD functionality.

Mobile AVL $9,268

Mobile AVL brings the same AVL features available in the dispatch center to the mobile units.

Mobile Records $42,215

Mobile Records allows the mobile users to access records information such as name, address, case and civil process. The users can run records queries, in the field, to find the information they need. Mobile users can also write and/or approve case reports in the field rather than reporting to the agency, allowing them to respond quickly when needed.

Portal - Remote CFS View Pack $3,249

The Portal CFS Pack is a secure, web-based access point that allows agency employees the ability to search, view and print select data from Zuercher from a computer or mobile device. A user can pull up the details of a CFS or look at CAD unit statuses. This would allow Command Staff, Dispatch supervisors and other key staff to staff informed of building situations while away from the office.

Records Core $4,761

Records Core (Agency Site License) $20,758

Master indices (Master Name, Master Address, Master Vehicle) are the backbone of the Zuercher Suite. Zuercher Records consolidates and automates this information for tight integration into Zuercher CAD and other Zuercher modules. Simply searching for a name not only returns demographic information but also includes every record in the system involving that individual: dispatch incidents, case involvements, citations, civil processes, warrants, inmate records, alerts and more. Similarly, when an address is queried, previous CFS at this location are returned as well as any alerts (such as dangerous animals, dangerous chemicals, known sex offender, etc.) allowing dispatch and the mobile user to review location history prior to arrival. Master Vehicle indices link all known vehicles to previous incidents in which the vehicle was involved. This would include the owner, previous owners, place of residency, calls for service, alerts, etc. This would allow dispatch and field users to have all known information about a vehicle at their fingertips; increasing officer safety and awareness.

Zuercher Suite - NCCJIS/NCIC Interface (Basic Queries) $10,000

This is a two-way interface between Zuercher Suite and the Zuercher-provided NCIC server. The following basic queries will be generated by Zuercher Suite and passed to the NCIC server: QA (Article) QBOT (Boat), QDRV (Driver's License), QG (Gun), QVEH (Vehicle Registration), and Data Mining (NC only). The Zuercher-provided NCIC server then sends the queries on to NCIC and collects the results. Those query results are then sent back to Zuercher Suite. This interface would allow dispatch to increase efficiency by allowing dispatchers to query NCIC data within CAD. Currently dispatchers use omnixx to query data but then have to copy and paste the returned data into CAD.

Attachment 5
Question 28 - Budget Narrative

Zuercher Suite - NCCJIS/NCIC Interface (Criminal History) $1,250
This is a two-way interface between Zuercher Suite and the Zuercher-provided NCIC server. Criminal history queries will be generated by Zuercher Suite and passed to the NCIC server. The NCIC server then sends the queries on to NCIC and collects the results. Those query results are then sent back to Zuercher Suite. This interface would allow dispatch to increase efficiency by allowing dispatchers to query NCIC data within CAD. Currently dispatchers use omnixx to query data which requires them to switch between CAD and Omnixx.

Zuercher Suite - Time Synchronization Interface ..... Included
This a one-way interface that uses NTP to keep all Zuercher server's clocks in sync with Pender's existing NetClock.

Subscriptions (due annually)

CAD - CLQ Location and Image Retrieval Subscription Core (up to 1,000 messages per month)..... $3,000
CAD - CLQ Location and Image Retrieval Subscription Core (Agency Site License)..... $2,000
With CLQ, the dispatcher sends an SMS message to the 911 caller's mobile phone. The caller then clicks a link which takes them to a browser application that collects the phone's latitude and longitude and sends this information back to Zuercher CAD where it can be used to update the CFS location. The 911 caller can also send text and images to the Zuercher CAD system as well allowing dispatch and first responders to have "eyes" on the scene prior to arrival.

CAD - Priority SMS Paging Subscription Core (up to 1,500 messages per full-time dispatch seat per month) $2,000
CAD - Priority SMS Paging Subscription Core (Agency Site License) $2,000
This is a one-way interface from CAD to the SMS Gateway. This interface allows pages (messages) to be sent to individuals and groups via SMS directly from CAD.

Services

Project Manager $25,608
Zuercher will assign a Project Manager to act as a single point of contact during and after implementation. The Project Manager will develop and manage the implementation schedule and coordinate with the Pender project manager to keep the project on track and on schedule. The project manager will conduct weekly status meetings to provide Pender with project Updates. The Zuercher project team will visit pertinent offices within the Sheriff's Office and meet with key personnel to understand Pender's operational needs and business rules. Team members will observe the staff's daily operations and use the information to identify how the Zuercher suite would best be configured to match and enhance Pender's workflows. Pender is requesting half of the total Project Manager cost ($50,816) to encompass CAD, Records, Mapping, AVL, Mobile Mapping and Mobile CAD.

Configuration and Business Practice Review $5,695
During the Business Practice Review meeting, the project implementation team works with Pender's project team to determine the contents of the Configuration Management Document. All product needs and requests are reviewed. The Configuration Management Document defines how the Zuercher Suite will be configured to meet Pender's needs. The Zuercher team will then work with Pender to complete the configurations; interfaces are also setup and tested. Pender is requesting half of the Configuration and Business Practice Review cost ($11,390) to encompass CAD, Records, Mapping, AVL, Mobile Mapping and Mobile CAD.

Training $19,248
Zuercher trainers will conduct detailed courses for each user group (such as dispatchers and deputies). The training will

be performed using Pender Data and configuration. Pender is requesting $19,248 of the training total ($28,873) to encompass CAD, Records, Mobile and Refresher training.

Go-Live Support $4,900
Zuercher provides on-site support the day that the new system goes live. Any questions or issues that arise are addressed immediately by the on-site team. This will ensure that the first day(s) using the new system goes smoothly. Pender is requesting half of the Configuration and Business Practice Review cost ($9,800) to encompass CAD, Records, Mapping, AVL, Mobile Mapping and Mobile CAD go-live support.

Mapping – One Time GIS Data Setup $4,500
To ensure that Pender's GIS data is working to the best of its abilities, Zuercher will run a series of tests to ensure that the GIS data is ready for the Zuercher system. In addition, the existing data will be converted to the ArcGIS format, setup with the proper configuration and loaded into an ArcGIS map document that is required for the software to operate. Address locator and network dataset files will be created and updated for proper geocoding and routing abilities.

Mapping – GIS Data Maintenance (3 hours per month) $4,500
This service covers the time for the Zuercher staff to update the Pender maps with updated information such as additional street centerlines, address points, etc. This service is due annually.

Data Conversion – CAD $7,500
Data from VisionAir CAD will be converted into the Zuercher CAD Module.

Data Conversion – RMS $7,500
Data from the VisionAir RMS will be converted into the Zuercher Records Module.

North Carolina 911 Board Grant Application

The 2019 Grant Application has been created in Microsoft Word for ease of completion. It is recommended that you download this application into Microsoft Word so that you may be able to enter, cut, paste and edit as needed. This application is NOT compatible with IPad, Apple products or apps. It requires 'Active X Interaction'.

There are no character limitations to the amount of data you can enter into a free text screen; once the visible field is full the data will begin to scroll. Do not submit an application until you are sure that you will not need to change it. Do not convert the application to a PDF format. Attachments must be submitted in either MS Word, MS Excel or Adobe pdf format and reference which question (ie: number) the attachment accompanies.

After an application is completed and submitted, it may NOT be modified by the applicant. If there are questions after the submission, the applicant will be required to contact and work with 911 Board staff to accomplish those modifications.

This is a competitive grant process. After the "General Information", there are 25 questions that must be answered by all applicants plus an additional 7 questions that must be completed for those agencies seeking a consolidation grant. Each of the 32 questions are weighted differently and scored. Scoring is based on the content of the answer to the question asked. Scoring is not based on the length of the answer.

Once completed, the application along with any accompanying documents must be emailed to 911comments@its.nc.gov . Applications will only be accepted via email. Any application received from the U.S. Postal Service, fax or other media will not be accepted. The deadline for filing is midnight, Friday June 15, 2018. If you have any questions, please contact Pokey Harris at pokey.harris@nc.gov or phone at 919-754-6621.

General Information

Project Title Rutherford911.Replacement

Grant Fiscal Year – 2019

Project Director Lt. Greg Dotson

Project Contact Lt. Greg Dotson

Project Contact Title 911 Director / Communications Center Manager

Address Rutherford County Sheriff's Office 911 Communications

240 N. Washington Street

Rutherfordton, NC 28139

Phone 828-287-6095

Email greg.dotson@rutherfordcountync.gov

Three types of grants are available, as described below. In the box following these descriptions, please select the Grant Type which most appropriately fits your request.

- **Consolidation** - A consolidation project involves combining one or more PSAPs with a primary PSAP with an integrated management structure that serves the same populations and jurisdictions previously served by offering grant funding for both PSAP costs authorized under G.S. 143B-1406(e) and costs not authorized under G.S. 143B-1406(e) to include construction costs.
- **Individual PSAP Enhancement/Replacement** - the relocation costs of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.
- **Regional Initiative Enhancement/Replacement** - Regional initiatives are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such initiatives comprise projects involving two or more primary PSAPs or a primary PSAP with approved secondary PSAPs. Costs of relocation of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.

Grant Type [Select]

PSAP Name [Select]

1. ***Has the Revenue/Expenditure Report for FY17 been completed and approved by the NC 911 Board Fiscal staff for the applicant PSAP?***

NO

2. ***Has the applicant PSAP implemented a plan and secured the means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP (backup plan)?***

YES

3. ***If the answer to #2 above is NO, please explain in detail why the plan has not been implemented?***

   Click or tap here to add text

4, Has the North Carolina 911 Board been notified that backup plan has not been implemented?

[Select]

Project Description

Required for all grant types, this should be a thorough, concise, and complete description of the proposed project.

5. Please outline project goals and objectives.

Due to length of this section I could not paste propertly. See attachment for #5

6. Please provide an implementation strategy and work plan, including a timeline.

Rutherford County intends to follow an implementation strategy and work plan that incorporates the following components:

- Site evaluation and approval.
- Facility installation of Communications Tower and generator.
- Technology design and re-location plan, testing, and training, cut-over.

Facility relocation and technology related actions are envisioned to be implemented during time periods appropriate within the overall Project timeline to be established upon grant approval.

The estimated duration of the project is less than 12 months. The facility, known as **500 West Street,** is ready for occupancy. **Rutherford County** intends to follow an implementation strategy and work plan that incorporates the following components:

- Site evaluation and approval.
- Facility installation of Communications Tower and generator.
- Technology design and re-location plan, testing, and training, cut-over.

Facility relocation and technology related actions are envisioned to be implemented during time periods appropriate within the overall Project timeline to be established upon grant approval.

7. Please identify the interface or compatibility between existing equipment and/or software and that which you intend to purchase.

Rutherford County does not anticipate any significant compatibility or interface concerns during this project. **Vendors** and/or **Rutherford County Information Technologies Department** would relocate the following systems:

- Vesta911 **telephone system, NetClock, etc.** – Mobile Communications, formerly Wireless.

- CAD system – TriTech/Vision Software. **Rutherford County Commissioners** presented budget approval to lease/purchase **Superion CAD** 2018/2019 budget year**. If GRANT approved this system would be installed at the new location.**

- **Motorola MCC7500. Rutherford County Commissioners** presented budget approval to purchase a new radio system 2018/2019. **If GRANT approved system would be installed at the new location.**

- Console Furniture is in excellent condition from existing Radio Room and would be relocated by **Rutherford County Maintenance.**

Procurement of new "equipment" and software is **NOT** being requested in this grant, with the exception of necessary peripherals needed for such a move. We would use existing equipment and/or approved improvements above to be implemented at the new facility. Timeline and re-location of the above listed systems would be established at kick-off of grant approval.

Statement of Need

Required for all grant types, this statement should reference the relationship of the grant project to

NCGS §143b-1407(b) and the current funding priorities established by the Grant Policy and Procedures and include evidence of any financial need.

8. The North Carolina Department of Commerce annually ranks the state's 100 counties based on economic well-being and assigns each a Tier designation. The 40 most distressed counties are designated as Tier 1, the next 40 as Tier 2 and the 20 least distressed as Tier 3. Please indicate your PSAP or group of PSAPs tier ranking based on the NC Department of Commerce 2018 Tier Designation

Tier 2

9. Please identify funding priorities, their impact on operational services, and consequences of not receiving funding.

1. Operating in a facility designed to meet the current need!
2. Provide sufficient space to allow for future growth, storage, training, and equipment that supports a typical PSAP **under one roof.**
3. Create redundant underground pathways for services providing 911 and telephone services, utility, and data. i.e.: Preparation for NG911

Having the opportunity to obtain **500 West Street** would accomplish all three funding priorities! This is an existing **commercial business facility**, built in 1987, that **Rutherford County 911** could desperately use and practically move in. The space is designed to meet the anticipated future needs of ***our*** PSAP and the ability to facilitate a regional consolidation should the opportunity arise in the future.

The impacts of ***not*** receiving an award will have continued adverse impacts upon our services. Chiefly, amongst the highest is that our agency would continue to endure operating in a 60 year old facility that suffers from the problems identified earlier in this document. Continued concerns of how we absorb more calls in tight quarters with "no room to breathe". Departments in our county are starving for space. As presented in 2016, and currently in 2018, we continue to grow and provide needed emergency service within a space that was never intended to accommodate 7 console positions.

10. Please provide a copy of your PSAP's long-term or strategic technology plan and identify how the project fits within it.

Computer Aided Dispatch - The Information Technology plan speaks to goals and objectives for several fiscal years (2014-2019). Most of the items have been accomplished with the latest being a budget approval to lease purchase and migrate from TriTech/Vision Software (losing support) to Superion CAD in 2018-2019.

Radio System / Viper - Rutherford County Emergency Management and **Rutherford County 911** have been working on a 3-5 year project to implement the use of radio traffic on the NC Highway Patrol Viper Radio system in conjunction with our current VHF channels. As of May 2018, **Sherriff**, **Fire** and **EMS** (frequencies) now have the ability to communicate with our **Communications Center "Central"** on a VIPER channel. Acquisition of radios to outfit all *boots*

on the ground, per say, – should be complete by July 30, 2018. We expect **EMS** to transition to 100% viper communication the 3rd quarter of 2018.

Rutherford County Commissioners approved the purchase of a Motorola MCC7500 during the 2018/2019 budget year. This will allow us a direct connection – using viper – to HP Newton.

Facility (Expansion / Relocation) – Space, space, space. It's a desperate need. We recently relocated our Training Officer to the BackUP911 center to provide training to newly hired employees up to a "call taker" position prior to bringing new employees to the Primary 911 center. We felt this was a better environment for our new employees, and the callers, as they learn and process calls. The communication and interaction with a new hire is basically "constant talking"... and in a room that's less than 800 sq ft causes unnecessary distractions. With a larger facility we could pull those resources back under one roof with defined working areas for **Dispatch, Call Taking, Training, Administration and Quality Assurance.**

11. Please identify the likelihood of completing the project utilizing your 911 fund balance and the percentage of grant funding being requested in relation to total project costs.

Rutherford County 911 Communications is requesting 100% funding for this project through the NC911 Board Grant program. Without this funding being provided there would be no possibility of funding a project of this scope for a projected 6-8 years, according to County Manager Steve Garrison.

Our projected 911 Fund Balance for FY 2018 is $275,584.02. The realities of limited funding provided through Rutherford County's Operating Budget cannot address these needs in addition to the normal *day-to-day* operations, and maintenance of existing hardware and software.

Required for all Regional Initiative Enhancement/Replacement project types. Regional initiative enhancement/replacement projects are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such projects may involve two or more primary PSAPs.

12. What is the relationship of participating PSAPs to the initiative? Provide MOUs between PSAPs identifying each participant PSAP's responsibilities to the project.

Click or tap here to enter text.

13. Identify intended collaborative efforts between participating PSAPs.

Click or tap here to enter text.

14. Identify how resource sharing will take place.

Click or tap here to enter text.

15. Indicate how the initiative impacts the operational or strategic plans of the participating agencies.

Click or tap here to enter text.

NOTE: *The following section on "Consolidation Project Plan" is ONLY required if your type of grant is a "Consolidation". If your project IS NOT a Consolidation, proceed to question # 23 to complete the grant application.*

16. Indicate how a consolidation would take place and improve service

Click or tap here to enter text.

17. Indicate how the consolidated PSAP should be organized and staffed
Click or tap here to enter text.

18. Indicate what services the consolidated PSAP should perform
Click or tap here to enter text.

19. Indicate how consolidated PSAP policies should be made and changed
Click or tap here to enter text.

20. Indicate how the consolidated PSAP should be funded exclusive of grant funding
Click or tap here to enter text.

21. Indicate what changes or improvements should be made to inter-communications among the local governments participating in the consolidation in order to better support operations.
Click or tap here to enter text.

22. Discuss sustainability of the consolidation project during the proposed term of the project, and for the foreseeable future.
Click or tap here to enter text.

FINANCIAL DATA

23. Current 911 Fund Balance
$396,759.50

24. Estimated June 30, 2017 911 Fund Balance

$275,584.00

25. Amount Requested

$2,386,296.00

26. Total Project Cost

Building/ Structure: $1,050,000.00 - 500 West Street – 16,000 sq ft facility. 911 PSAP would occupy 8,500 sq ft (2nd floor). Rutherford County would pay remaining purchase price 2.1M

Technology cost: $1,336,296.00 See detail below.

Total Project Cost: $2,386,296.00

Communications Tower / Antenna	$ 92,469.00
Battery / UPS for 500 West St	$ 57,762.00
Cabling/Grounding	$ 78,365.00
Office Furniture	$ 12,200.00
Access Control/ Security additions	$ 20,000.00
3 Additional CAD stations	$ 51,000.00
Telecommunicator Chairs (5)	$ 7,500.00
Relocation of Radio Room	$ 75,000.00
Relocation of Equipment Room	$ 75,000.00
Generator for 500 West Street	$ 97,000.00
Carpet / Paint / Wall relocation	$ 400,000.00
Professional Services	$ 270,000.00
Contingency	$ 100,000.00
Total Grant Request	$ 1,336,296.00

Budget and Budget Narrative

A budget and budget narrative must be supplied for all types of projects, as well as a copy of the applicant agency's approved FY 2016 PSAP budget.

27. List by line item planned expenditures

Building/ Structure: **$1,050,000.00** **- 500 West Street – 16,000 sq ft facility.**
911 PSAP would occupy 8,500 sq ft (2nd floor).
Rutherford County would pay remaining purchase $2.1M

Non-Building cost: **$1,336,296.00** **See detail below.**

Communications Tower / Antenna	$ 92,469.00
Battery / UPS for 500 West St	$ 57,762.00
Cabling/Grounding	$ 78,365.00
Office Furniture	$ 12,200.00
Access Control/ Security additions	$ 20,000.00
3 Additional CAD stations	$ 51,000.00
Telecommunicator Chairs (5)	$ 7,500.00
Relocation of Radio Room	$ 75,000.00
Relocation of Equipment Room	$ 75,000.00
Generator for 500 West Street	$ 97,000.00
Carpet / Paint / Wall relocation	$ 400,000.00
Professional Services	$ 270,000.00
Contingency	$ 100,000.00
Total Grant Request	$ 1,336,296.00

28. Provide a budget narrative that briefly explains the reason for each requested budget item.

Communications Tower / Antenna
To erect a 60 foot tower with required accessories, and other materials plus installation. Needed to support operations from the new facility, and to provide a communications pathway between both PSAP facilities.

Battery / UPS for 500 West St
Required to support mission essential systems of the PSAP. Eaton 50KVA 120/208 volt UPS with 112 minute run time. Quoted by Power Quality Solutions.

Cabling/Grounding
Cabling: Estimate based upon previous quote. Required to provide network connectivity to and from CPE within the facility.
Ground: Estimate for a grounding system that encompasses the facility, PSAP floor area, and Tower. Required system to properly ground the network and provide protection from electrical sources, natural or equipment induced.

Office Furniture
Furniture needed to support activities within administrative offices, Quality Assurance space, and training room within the facility.

Access Control/ Security additions
Estimated cost from Rutherford County Info Technology based upon current pricing to add door access and cameras internally. This will include video monitors for events locally, regionally, and on the national level.

3 Additional CAD stations
Estimate provided by a previous Russ Bassett quote for three (3) additional workstations for use in the PSAP Dispatch room. Necessary to support operations as these products are designed for 24x7 use.

Telecommunicator Chairs (5)
Quote provided through Mobile Communications Inc. for 5 Concept High back chairs. Three (3) for the added work stations and two (2) which are purchased annually to support the operations within the PSAP.

Relocation of Radio Room
Estimate to relocate the existing **CAD**, **Phone** and **Radio** equipment to 500 West Street from the existing primary of 240 N. Washington St which is 1.8 miles (approx. 4 minutes)- 2nd floor structure.

Relocation of Equipment Room
Estimate to relocate the "back room" equipment to 500 West Street from the existing primary of 240 N. Washington St which is 1.8 miles (approx. 4 minutes)- 2nd floor structure.

Generator for 500 West Street
Required to support mission essential systems of the PSAP. Kohler generator provided by Nixon Power installed in conjunction with Camp Electric, Rutherfordton, NC.

Carpet / Paint / Wall Relocation
Estimate provides by Rutherford County Planning Director (for Rutherford County Maintenance) to replace carpet, add a fresh coat of paint and add one (1) glass wall for the Equipment Room.
Otherwise, the facility is move in ready.

Professional Services
Estimate based on previous grant submittal to addresses technology integration, procurement support, migration planning, grant reporting, site testing, coordinating with other technical and managing grant and Rutherford County requirements necessary to relocate.

Contingency
A **contingency** for uncertain, and unresolved issues for such a project that has not taken place in the past.

29. If the project will have ongoing expenses, such as monthly or annual recurring charges, identify those expenses by line item including the projected costs and the specific sources for future/long-term funding and demonstrate how the project will be sustained in the future without additional 911 Grant Program funding.

Recurring costs associated with acquisition, maintenance, and support of the 911 communications equipment will be funded from the annual allocation provided by the State 911 Board, and through Rutherford County's operating budget, as appropriate.

All applications must include evaluation information. The final report shall include an evaluation demonstrating that the equipment or services funded by the grant have been purchased, installed/implemented, and are performing as expected.

30. Explain how your evaluation will measure the achievement of the goals and objectives identified in the Project Description with a timeline and milestones for meeting short, intermediate, and long term goals.

The Evaluation of this project will be an ongoing process to ensure all goals and objectives are met to the highest level possible and remain within the established timeline and budget. The County Manager, Sheriff, Facilities and Maintenance Director, IT Director, and 911 Director will work together to evaluate milestones at regular intervals and submit all reports that are required under the grant contract.

Our project team will also be supplemented by additional staff from various county departments that will be providing input or oversight to specific parts of the project. Each team member will be assigned tasks. The Finance Director will also support budgetary/fiscal/procurements reporting.

31. Describe in detail how evaluations will be conducted, including performance parameters which must be met in order to meet acceptance criteria.

Evaluations will be conducted by our project team of in house and vendor members. A full written evaluation will be provided monthly or quarterly and at the completion of the relocation. Telecommunciators will also complete surveys and will be encouraged to provide feedback.

32. Identify how data will be collected and presented

Both electronic and manual data will be collected through the process. The committee will compile the data and ensure that the milestones are being met throughout the process. It is our desire to ensure our Telecommunicators have a well-designed and appropriate work space that will allow us to grow and provide the citizens and visitors of Rutherford County with exceptional and professional service.

Once you are satisfied with your application, please email the completed application along with all attachments to 911comments@its.nc.gov The deadline for filing is midnight, Friday, June 15, 2018. **NO APPLICATIONS WILL BE ACCEPTED AFTER THAT DATE**

Once you have submitted the application including all necessary attachments, you will receive a reply email within 24 hours advising you that the grant application has been received. If you **DO NOT** receive the confirmation email within 24 hours, please contact Pokey Harris *pokey.harris@nc.gov* or call 919-754-6621

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NC911 Board Grant Application / Lt. Dotson
06-15-2018

5. Please outline project goals and objectives:

The goals that the **Rutherford County** Sheriffs Office 911 Communications seeks to accomplish through award of a Grant will enable the County to provide facilities that support their public safety mission. The mission of the **Rutherford County** Sheriffs Office, **911 Communications**, is to provide 911 services to enhance the safety of the residents, responders, and visitors within **Rutherford County**.

The primary goal of this project is to relocate the operations of the 911 Communications Center to a state-of-the-art facility that meets established standards, and is equipped with the latest technology that can meet both current and future needs within a NG911 environment.

This facility will be designed to allow adjacent counties to operate from our facility when conditions warrant. Through the incorporation of the suggested property, **Rutherford County** is demonstrating forward thinking and due diligence that would allow cooperative efforts between entities to evolve into a regional redundant arrangement, should that become a possibility in the future.

Location to be known as: **500 West Street**

•Objective 1: Provide a 911 facility that will provide a secure PSAP that complies with proposed 911 Board Standards, appropriate work space with room for future growth.

•Objective 2: To increase operational capabilities by using the PSAP facility space to staff three (3) additional call processing workstations above the seven (7) call processing workstations currently available. Through this, we will increase ability to process call overflow circumstances, and provide a location that can be used toward the training of new employees at ONE site.

•Objective 3: Integrate NG911 technologies and networks that will allow us to advance with evolving technology.

•Objective 4: To have sufficient quarters to operate the PSAP under one roof and allow staff to communicate with co-workers within the actual PSAP Radio Room that doesn't distract other employees or disrupt phone and radio traffic while speaking at minimal levels. This would also allow us to "host" staff from adjacent counties, and be able to process overflow calls from adjacent counties which may elect to enter into a "Regional PSAP Initiative" with **Rutherford County 911** in the future.

Rutherford County 911 Communications is presently co-located in a county owned facility that is 60 years old, and is shared with a number of other county government departments. The existing PSAP, while functional, suffers from design flaws resulting from being located in a building that was constructed in **1958** as a grocery store. This building, being designed as a grocery store, required modification to some portions of the interior to enable a PSAP to operate. However, these modifications could not overcome significant issues that are the result of typical "Grocery Store" design from the period it was constructed. Some of these concerns include: (photographic examples included in this packet.

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- Frequent water seepage from the roof
    - The existing roof is a flat surface, which due to age and design, has leaked into lower areas of the building above and near the PSAP as well as areas that support the PSAP. This flaw is an on-going problem that occurs when sufficient water has collected on the roof, and then drains from cracks on the surface into the interior of the facility.

- Radio/Telephone Equipment Room
    - The room that is being used to house this equipment is not designed to support the function in accordance with accepted industry design practices. I.e.: A Water Heater is co-located within the same room. In spite of the existence of a small floor drain in front of the heater this drain may not prevent water from threatening adjacent critical support equipment. Additionally, the room is not located upon a raised floor, which further limits the ability for water seepage to have any opportunity to drain without further exposure to equipment.

    - The room's design does not address cooling capacity requirements for Data, Radio, and Telephony backroom equipment support. In an attempt to address the need, the County installed a mini Air Conditioner. The device is not located in an optimal location to provide air flow as the space immediately below the device is used for file storage.

- Dispatch Room
    - The room supporting DISPATCH OPERATIONS has no additional room for growth, coupled with poor acoustical functionality.
        - Maximum workstation capacity for the space is seven (7) consoles. Currently, the 911 Center has seven workstations installed. Within the existing facility, the current design does not allow room for expansion, thus, the ability to increase staffing to accommodate workload is not practical.
        - Ambient and background noise is easily detected under normal operating conditions.
        - This condition causes sound to reflect and reverberate within the room, and is easily detected over the air, and during telephone conversations that are not related to the activity generating the noise.

    - Conduit pathways are "rough cut" into the walls leading to the raised floor that supports the call processing furniture and equipment. Cabling within the pathways is not housed within protective conduit, are exposed, and without separation (Data vs. RF radio cabling). The wall cuts were not smoothed, thus the edges are uneven, further risking cable pairs being cut by this exposure.
    - Cable management was "retrofitted" within the space, and not optimized to allow efficient network design and maintenance.
    - Proper conduits were not incorporated during renovation design installation.

  - Cable trays were not deployed in the renovation design, thus cable management is complicated further, making the task of "tracing" data connections from the servers to the end user positions.
  - Given the above condition, **Rutherford County 911** would be severely challenged to support PSAP's from adjacent counties should the need to host personnel from those entities become necessary in any future initiative.

- Conference / Training Room
  - This room is also undersized and serves in dual capacity. As a result of these concerns, the room design and usage is inappropriate for the intended usage. Therefore, space for conducting meetings or training cannot be accomplished in this space. This has caused management to conduct meetings in space shared amongst other County departments within the building. This has resulted in scheduling issues and competition for usage based upon the perceived needs of all departments desiring to use the space.

  - We have moved our NEW HIRE Training to our BackUp911 Center to alleviate overcrowding and attempt to make the orientation and call taking experience less overwhelming.

- Utility Services
  - Services that support the PSAP (electrical, 911 circuits, telephone) are delivered to the facility via Aerial routing. Furthermore, the utility poles providing these services are located approximately 3 feet from the shoulder of the roadway adjacent to the PSAP. Obviously, this is not an optimal solution for delivery of utility service. The current circuit pathways for Telephone Services are not redundant. The County prefers that utility services be routed via Underground pathways, with provision for redundant paths into the PSAP. Relocation to the proposed PSAP would utilize divergent, redundant, and underground utility service pathways in support of the facility's intended mission.

Rutherford County's 911 Center serves as the only PSAP within **Rutherford County**. This facility serves a population of 67,810 which reside in an area of 565.27 square miles. The County has a poverty level of approximately 19.3% (above the national average of 14%), with a Median Family Income of $36,863. The County's population is trending in a relatively flat growth rate based upon estimates provided by the County. The PSAP serves all eight (8) incorporated jurisdictions, including unincorporated areas of the County. The PSAP provides dispatch services for all Municipal Law Enforcement agencies, the Sheriffs Office, EMS, and Fire Services. We provide auxiliary support to other public safety agencies, such as the North Carolina Forestry Service.

The agencies serviced represent:

- 5 Law Enforcement Agencies
- 17 Fire Departments with 12 providing First Responders
- 4 EMS Stations
- 2 Rescue Departments
- Local municipal after hours utility call support
- Local municipal after hours calls (general government)

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In 2017 Rutherford County 911 processed 161,589 calls. We answered 132,432. On any given day we answer just over 360 calls. During the course of 2017 we DISPATCHED 103,140 calls to the agencies we serve. That is an average of 282 dispatched calls for service each day.

All of this is processed in a Dispatch Room of less than 780 square feet containing seven (7) dispatch workstations. This room is filled to capacity, and would require extensive modification to enlarge the existing envelope.



Dispatch Room Cable Pathway/Rough Cut Opening



Dispatch Room Cable Pathway/Rough Cut Opening #2

Rutherford County 911 -

240 N. Washington St, Rutherfordton, NC 28139

Proposed New Location - -

500 West Street, Spindale, NC 28160



North Carolina 911 Board
PSAP Revenue-Expenditure Report
For the period July 1, 2015 - June 30, 2016 (SFY16)
Modified Accrual

911 Approved Fund balance June 30, 2015 — $580,752.12

June 30, 2015 Ending Fund Balance-Approved by the North Carolina 911 Board for PSAP Revenue-Expenditure Report period July 1, 2015 - June 30, 2016 (FY2016)

Revenue — $429,204.59

911 revenue received from the North Carolina 911 Board representing 911 service fee collections made during the period July 1, 2015 - June 30, 2016 (FY2016) Modified Accrual

Interest — $0.00

Interest earned on the Emergency Telephone System Fund (911) between July 1, 2015 - June 30, 2016 (FY2016)

Expenditures — $431,183.49

Total expenditures made in compliance with eligible 911 fund uses between July 1, 2015 - June 30, 2016 (FY2016) as listed on the detailed expenditure total page.

Emergency Telephone System Fund Balance June 30, 2016 — $578,773.22

INELIGIBLE Cost FY2016 (cap $1,000.00) — $0.00

Invoice Number 1234xxx

To allow for prior year ineligible cost to be repaid to the fund without completing a transfer-in from the general fund, an eligible expense (invoice) must be paid by the General Fund in the current fiscal year. Ineligible cap is $1,000. Any amount over must be repaid by doing a transfer-in to the general fund.

Board Approved Emergency Telephone System Fund Balance for June 30, 2016 — $578,773.22

Grant Revenue (revenue reported should be for fiscal year incurred) — $0.00

Grant Expenditure (expenditures reported should be for fiscal year incurred) — $0.00

As Finance Officer for County of Rutherford (Governing Unit), I Paula Roach (Name)

certify that I have written or reviewed this Revenue/Expenditure Report and that all the information in the report is true and correct as of this date.

Signature: Paula Roach

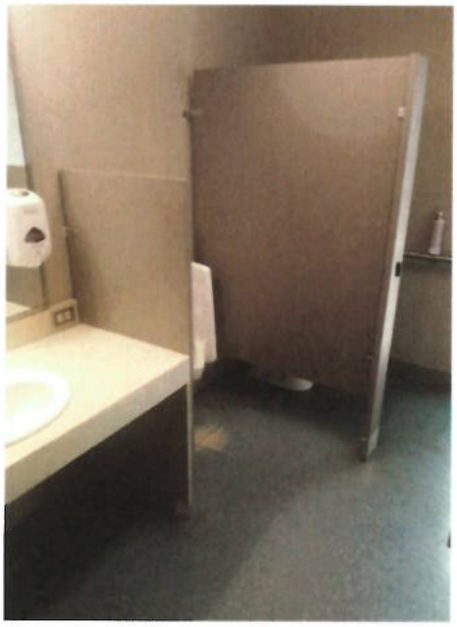
Date: 5/8/18

paula.roach@rutherfordcountync.gov
E-Mail

828-287-6348
Phone

Restroom Facilities

240 N. Washington St





Same Floor tile (Mens room) from where I was director in 1998.




13:52 18


WIFE AND THREE CHILDREN.
CNN


KOHLER
Power Systems
KOHLER
Power Systems
KOHLER
Power Systems
RUTHERFORD COUNTY
UNICATIONS CENT

AVISON YOUNG

Rutherford Business Center

500 West Street, Spindale, NC 28160



8,500 SF Office Space Available for Lease



Building Facts

YEAR BUILT	BUILDING SIZE	CONFIGURATION
1987	16,000 SF	2 Story Office

Building Notes

8,500 SF of Class A office space available for lease at the Rutherford Business Center, located one hour west of Charlotte and one hour east of Asheville.

FOR LEASING INFORMATION

AJ Whitehead
704.412.5608
aron.whitehead@avisonyoung.com

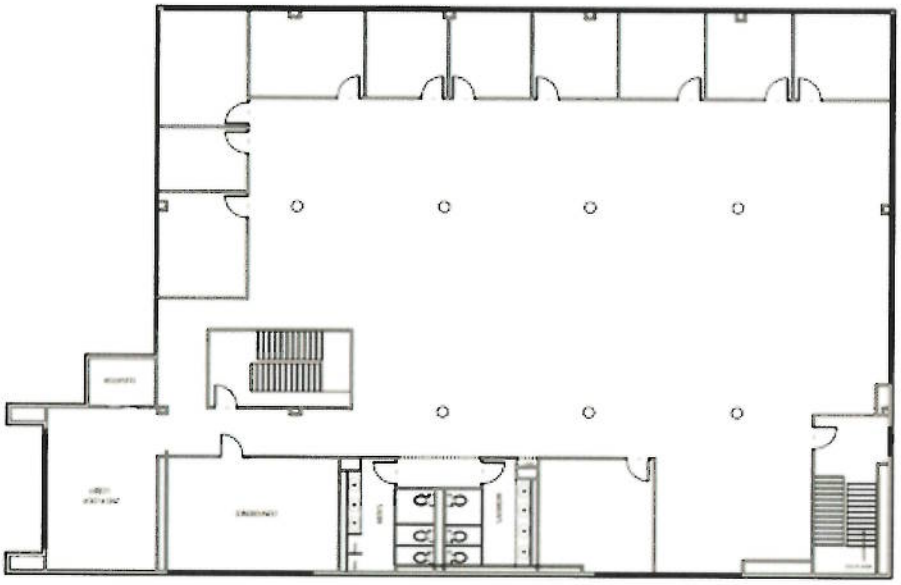
Nick Claudio
704.512.0231
nick.claudio@avisonyoung.com

CANADA'S BEST MANAGED COMPANIES

Rutherford Business Center

500 West Street, Spindale, NC 28160

AVISON YOUNG



2nd Floor | 8,500 SF

Building Specifications

- Executive offices and open floor plan
- High speed internet with plenty of bandwidth, VOIP
- Short, medium, or long term leasing packages with purchase option
- Generous Tenant Improvement allowance
- 120 parking spaces
- Dedicated reception and conference rooms for guests, employees
- Full kitchen and breakroom
- Access control and surveillance system
- 10 additional acres available for expansion and development

8,500 SF Office Space







Available For Lease

FOR LEASING INFORMATION

AJ Whitehead
704.412.5608
aron.whitehead@avisonyoung.com

Nick Claudio
704.512.0231
nick.claudio@avisonyoung.com

CANADA'S BEST MANAGED COMPANIES



North Carolina 911 Board Grant Application

The 2019 Grant Application has been created in Microsoft Word for ease of completion. It is recommended that you download this application into Microsoft Word so that you may be able to enter, cut, paste and edit as needed. This application is NOT compatible with IPad, Apple products or apps. It requires 'Active X Interaction'.

There are no character limitations to the amount of data you can enter into a free text screen; once the visible field is full the data will begin to scroll. Do not submit an application until you are sure that you will not need to change it. Do not convert the application to a PDF format. Attachments must be submitted in either MS Word, MS Excel or Adobe pdf format and reference which question (ie: number) the attachment accompanies.

After an application is completed and submitted, it may NOT be modified by the applicant. If there are questions after the submission, the applicant will be required to contact and work with 911 Board staff to accomplish those modifications.

This is a competitive grant process. After the "General Information", there are 25 questions that must be answered by all applicants plus an additional 7 questions that must be completed for those agencies seeking a consolidation grant. Each of the 32 questions are weighted differently and scored. Scoring is based on the content of the answer to the question asked. Scoring is not based on the length of the answer.

Once completed, the application along with any accompanying documents must be emailed to 911comments@its.nc.gov . Applications will only be accepted via email. Any application received from the U.S. Postal Service, fax or other media will not be accepted. The deadline for filing is midnight, Friday June 15, 2018. If you have any questions, please contact Pokey Harris at pokey.harris@nc.gov or phone at 919-754-6621.

General Information

Project Title Wayne County 911 New Facility

Grant Fiscal Year – 2019

Project Director Mel Powers

Project Contact Daniel Wiggins

Project Contact Title 911 Communications Manager

Address 134 N. John Street

Goldsboro, NC 27530

Phone 919-731-1416

Email Daniel.Wiggins@waynegov.com

Three types of grants are available, as described below. In the box following these descriptions, please select the Grant Type which most appropriately fits your request.

- **Consolidation** - A consolidation project involves combining one or more PSAPs with a primary PSAP with an integrated management structure that serves the same populations and jurisdictions previously served by offering grant funding for both PSAP costs authorized under G.S. 143B-1406(e) and costs not authorized under G.S. 143B-1406(e) to include construction costs.
- **Individual PSAP Enhancement/Replacement** - the relocation costs of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.
- **Regional Initiative Enhancement/Replacement** - Regional initiatives are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such initiatives comprise projects involving two or more primary PSAPs or a primary PSAP with approved secondary PSAPs. Costs of relocation of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.

Grant Type Individual PSAP Enhancement/Replacement

PSAP Name Wayne County Central 911

1. ***Has the Revenue/Expenditure Report for FY17 been completed and approved by the NC 911 Board Fiscal staff for the applicant PSAP?***

NO

2. ***Has the applicant PSAP implemented a plan and secured the means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP (backup plan)?***

YES

3. ***If the answer to #2 above is NO, please explain in detail why the plan has not been implemented?***

   Click or tap here to add text

4, Has the North Carolina 911 Board been notified that backup plan has not been implemented?

[Select]

Required for all grant types, this should be a thorough, concise, and complete description of the proposed project.

5. Please outline project goals and objectives.

Wayne County 911's primary goal is to improve the service provided to the County's first responders and citizens, and meet the call processing standards established by the NC 911 Board and industry organizations, such as the National Emergency Number Association (NENA) and the National Fire Protection Association (NFPA). For this to occur, our authorized staffing must be increased; however, our facility is not suitable for expansion, limiting the staff we can have on-duty. As such, it is necessary for us to seek a new facility. Duplin County has recently expressed interest in having the Wayne County 911 Center serve as a back-up for its 911 operations. This cannot occur in Wayne County's current facility. Duplin County has signed a resolution in support of Wayne County's grant application; however, it has not yet been signed by the Wayne County Commissioners. Wayne County 911 is the primary public safety answering point (PSAP) for Wayne County, providing 911 call handling and dispatch services for the Wayne County Sheriff's Office and Goldsboro, Mount Olive, Fremont, Pikeville, and Walnut Creek police departments; the Goldsboro Fire Department and 24 volunteer fire departments; and Wayne County Emergency Medical Services (EMS). The center operates primarily in a vertical configuration, with telecommunicators answering and dispatching calls for service; in this configuration there is no separation of responsibilities.In May 2014, the Wayne County Board of Commissioners awarded a contract to conduct a needs assessment of the 911 Center to Mission Critical Partners (MCP). The Board of Commissioners recognized that to better position the 911 Center to meet the needs of the public and first responders with the appropriate resources, and advance towards Next Generation 911 (NG911), an assessment of current operations would be necessary. The primary goals of the analysis were to assess the 911 Center's current staffing, and review the current facility to determine whether expansion is feasible in order to accommodate additional staff, if needed. It was determined that Wayne County 911 Communications is understaffed and that the current facility has limited space for expansion to meet staffing needs. (A copy of the report is available upon request.) In 2016, however, the 911 Center added two call takers, who only answer emergency 911 lines and alarm lines.As noted above, our primary goal is to improve the service provided to Wayne County's first responders and citizens. The objectives associated with this goal are as follows:•

Construct a new facility on county-owned property to house the 911 Center• Install and upgrade necessary telephony, computer aided dispatch (CAD), and radio equipment to outfit the 911 Center, allowing personnel to fully process an emergency call from beginning to endThe County has already engaged an architectural firm, Stewart • Cooper • Newell (SCN), to design the new 911 Center and the design is complete. The facility, which will house Wayne County Emergency Services, of which 911 is a part, is 11,900 square feet, single story. Of this, 4,380 square feet is dedicated to 911 and 2,568 square feet is for other Emergency Services personnel. Shared spaces account for 4,952 square feet. Based on personnel numbers, 70 percent of the shared spaces is attributed to 911, approximately 3,466 square feet. As such, Wayne County 911's "share" of the facility is approximately 7,846 square feet. There is adequate space within the 911 Center space itself to support Duplin County in the future, should an interlocal agreement (ILA) be signed for Wayne County to serve as Duplin County's back-up.Attachment 1 contains a breakdown of the 911 spaces. A second goal of this initiative is to be able to provide the expected level of care to citizens seeking medical services. Currently the 911 Center does not use any protocols. As noted in MCP's report, "Protocols have become an integral part of modern day, emergency dispatch operations. Protocols reduce variance, ensure a continuity of care, reduce liability, standardize response decisions, and provide a basis for performance measurement and quality improvement efforts." Pre-arrival instructions have become a standard of care within the industry as well as a public expectation. The objectives associated with this

goal are as follows:• Implement emergency medical dispatch (EMD) protocols to provide the standard of care the public expects and deserves• Obtain cardio-pulmonary resuscitation (CPR) certification and basic telecommunicator certification• Align operational configuration to MCP's recommended configuration, which requires a minimum of eight console workstations (plus additional staff)Technology in use today will continue to be used in a new 911 center. It is anticipated that much of the technology needs will be able to be procured through existing and future 911 funds.Although not part of this grant request, additional staff must be hired to improve the services provided to Wayne County as a whole. Beginning in Fiscal Year (FY) 2015—2016, Wayne County set aside monies to hire two additional personnel, with plans to hire two additional staff each year until MCP's recommended staffing is reached. It is anticipated that the additional personnel will allow for a power shift during peak hours to help alleviate our high abandoned call rate and assist in achieving call answering standards. This expenditure shows the level of commitment that the County has for the 911 Center and to improving the services it provides. In 2016, the 911 Center hired two call takers to help with emergency calls during peak times. The 911 Center has been unable to hire additional personnel due to lack of space and constraints within the current 911 Center configuration.To assist in achieving our stated goals, Wayne County respectfully submits this grant request to the NC 911 Board.Due to the formatting nature of the grant application, a copy of the grant responses has been provided in Attachment 9.

6. Please provide an implementation strategy and work plan, including a timeline.

As the grant request is for assistance to construct a new facility and associated technology, the Wayne County 911 Center w continue to operate within its existing framework during construction. This will ensure there is no disruption to call taking a emergency dispatch services.

A suitable location for a new facility has already been established; the property is located on Clingman Street, Goldsboro, o property owned by the County of Wayne. The project team has determined that this location will be able to offer the space functionality, and security to meet the 911 Center's needs and the established requirements of the NC 911 Board.

Attachment 2 includes an aerial of the site.

Upon a grant award, a planning meeting will be held with MCP, our professional services consultant, to address the overall timeline in greater detail and further refine the scope of work (SOW). High-level tasks include the following:

- Bid construction (Months 1-3)
- Construct the new facility (Months 4-22)
- Install redundant facility systems and security (Months 19-22)
- Procure equipment for new facility (Months 14-20)
- Install new technology and workstations (Month 21)
- Attain substantial completion of new facility (Month 22)
- Commission the facility (Month 23)
- Address any facility punch list issues (Month 23)
- Obtain certificate of occupancy (Month 24)
- Test and accept mission-critical technology (Month 24)
- Transition Wayne County 911 staff to new facility (Month 25)
- Submit final documents to NC 911 Board (Month 26)
- Close out the project (Month 26)

The estimated timeline is just that, an estimate. Once the construction bidding process is complete, the timeline will be further refined. Due to the possibility of unforeseen issues arising, Wayne County 911, upon a successful grant award, would request 36 months to complete the project. This should prevent the County from having to request a grant extension.

The NC 911 Board will receive regular communications regarding updates on the various phases of our project.

7. Please identify the interface or compatibility between existing equipment and/or software and that which you intend to purchase.

At this time, no compatibility issues have been found. There will be little to no infrastructure transfer due to equipment bei replaced or upgraded/updated and still being under contract with current vendors. It is anticipated that the current vendor will remain. This project also builds on the significant investment already made by Wayne County for its radio system.

The 911 Center currently uses an Intrado Power 911® call handling solution that was implemented in September 2012. A Spillman Technologies CAD system solution was implemented in November 2017. The CAD solution is a multi-jurisdictional and multi-discipline call taking and dispatch system. Spillman's CAD solution is NG911-capable. The 911 Center uses an EXACOM logging recorder solution that was implemented in 2010, but is not redundant. The 911 Center is currently in the process of upgrading to an Eventide logging recorder solution, which is in the process of being installed by Carolina Recordi Solutions. The new Eventide recorder has plans to be installed and in place by the end of June 2018. Public safety agencies Wayne County operate on a Harris very high frequency (VHF) trunked radio system that was implemented in April 2011. While there are no operational issues, there have been coverage issues. The County upgraded the system to address these issues. The system currently has seven towers. The upgrades were completed in April 2015, and improved in-building coverage to 8 decibels (dB). There is also a guaranteed 95 percent service area reliability for outdoor portable radio coverag The cost of upgrading the radio system was $3 million. Wayne County has invested considerably in 911 technology over the years.

Required for all grant types, this statement should reference the relationship of the grant project to NCGS §143b-1407(b) and the current funding priorities established by the Grant Policy and Procedures and include evidence of any financial need.

8. The North Carolina Department of Commerce annually ranks the state's 100 counties based on economic well-being and assigns each a Tier designation. The 40 most distressed counties are designated as Tier 1, the next 40 as Tier 2 and the 20 least distressed as Tier 3. Please indicate your PSAP or group of PSAPs tier ranking based on the NC Department of Commerce 2018 Tier Designation

Tier 2

9. Please identify funding priorities, their impact on operational services, and consequences of not receiving funding.

To improve the service provided to citizens and first responders, and to meet industry standards and best practices, as well expectations of the NC 911 Board, our staffing levels must be increased and our operational configuration re-aligned. Unfortunately, this is not possible in our current environment, which is unsuitable for expansion.

As noted in the earlier needs assessment conducted by MCP, the 911 Center is understaffed. According to several architect who have conducted walk-throughs of our facility, the current space is not suitable to be upgraded or renovated. Our curre site is located in the middle of what is considered downtown Goldsboro. As the Downtown Goldsboro Development Corporation continues to revive the downtown experience, it has become a nuisance to conduct emergency communicatio operations. During the summer months, local bands perform in a parking lot less than 100 yards from the facility, with the stage facing directly towards the 911 Center. One of the County's EMS stations is located directly underneath the 911 Cente The bay door for the EMS station, the second busiest station in the county (averaging over 3,400 calls a year), vibrates the 9 Center. The center has no room for future expansion. The County hired SCN to design a new 911 Center. Final drawings hav been completed. It is estimated that 7,846 square feet of the new facility is 911-related.

The backup power system at our current facility has failed on a few occasions within recent years. During one incident, the transfer switch for the generator became defective and we lost total power in our building. Due to budgetary issues, it took almost one full year before the defective transfer switch was replaced. During this time, if the facility lost power, it was the responsibility of the 911 shift supervisor to go outside and manually switch the transfer switch to gain generator power. Thi presented a very dangerous work environment. The uninterruptible power supply (UPS) that is currently in place has a pow time of 45 minutes, which is with minimum utilization from the equipment within the 911 Center. A new UPS that can hold to two hours of power and still have equipment performing at optimal speed will provide sustainability to continue effectiv operations during extended emergencies or disasters. These will all be replaced within the facility project.

The phone system was installed in September 2012. While the system is still relatively new, some of the equipment and software need to be upgraded. Wayne County intends to utilize the state's hosted call handling solution and upgrading to th ESInet system in the new 911 Center. The County will continue to operate on the Spillman CAD system. The radio equipmen will be Symphony consoles by Harris. It is imperative for all systems to have the proper upgrades and updates to provide the highest quality emergency communications services.

EMD is also a priority, but without an increase in staffing and changes to our operational configuration, this will likely not occur. While the County plans to hire more telecommunicators, the space in the current center does not lend itself to

additional staffing.

Without funding assistance, this project faces the very real possibility of being in jeopardy. The rising cost of construction h placed fear in many decision-makers' minds. The County has set aside $4 million for the facility project. However, the rising costs have slowed the process. Without funding help, the project will be put on hold again. This will only create more problems for our PSAP. While trying to accommodate extra personnel, the 911 Center will be a cramped and unpleasant wo environment. EMD protocols will not be implemented. Abandoned call rates will likely continue to rise and our 10-second answer percentage for 911 lines will continue to suffer.

The priority for a new facility and updated/upgraded technology will not be met with current 911 funding. While the Count has a nice fund balance, the bulk of the project is not eligible as a 911 expense. N.C.G.S. §62A 46., Fund distribution to PSAP denotes what is an eligible expense, and a facility and facility renovations are not eligible. In addition, our estimated 911 fu balance (as of June 30, 2016) is $1,674,710.91. It is anticipated that much of the technology for the new 911 Center can be procured using the current 911 fund balance. Our annual distribution only partially funds our eligible costs. For example, ou FY 2018-2019 distribution is anticipated to be $548,512.92; whereas our eligible expenses for the same period are estimate at $628,785.00.

Attachment 3 contains the fund balance information. Attachment 4 contains the distribution letter.

Wayne County has recently renovated three schools and built two new schools. While this funding is from lottery proceeds and sales tax, Wayne County is responsible for the operational costs. In addition, Wayne County has funded a new jail at an estimated cost of $8.7 million. Wayne County also made a significant investment, an estimated $20 million, in an agriculture center in an effort to bring revenue and business into the area, as agriculture is the number one industry in the county.

10. Please provide a copy of your PSAP's long-term or strategic technology plan and identify how the project fits within it.

In 2003, Wayne County consolidated call taking and dispatch services for the entire county into one center; the identified need now is a new facility that will allow for staff increases to meet our needs and allow for industry standards and best practices to be met, including those of the NC 911 Board. The goals of the IT strategic plan are as follows: Enhance the present level of 911 systems and improve the capabilities of the 911 system to integrate new technologies, devices and services that will provide improved collaboration between citizens and the 911 Center Upgrade/update CAD, telephony, radio, and consoles to include new number of workstations as well as increase redundancy and high availability Integrate NG911 technologies that will allow the 911 Center to "answer" emergency calls via text message Create a robust and survivable PSAP utilizing cutting edge technology in servers, workstations, switching, backups and displays This project contributes to the plan by addressing several of the identified goals, such as the technology upgrades. Attachment 5 is the Wayne County 911 Technology Plan.

11. Please identify the likelihood of completing the project utilizing your 911 fund balance and the percentage of grant funding being requested in relation to total project costs.

As mentioned previously, our estimated 911 fund balance is $1,674,710.91. The project cannot be completed with these funds as the greatest expense is ineligible and much more expensive.

Over the past four fiscal years, the Board of Commissioners has applied and enforced a 2.5 percent budget reduction for all County agencies, including the Office of Emergency Services, which houses the 911 Center. These budget cuts remain in effe today. Since the Board of Commissioners will not consider raising taxes to fund any capital projects, the County would have incur debt to complete this project, which will likely not be approved. Without grant funding assistance, this project will not

proceed at this time.

Wayne County respectfully requests funding assistance of $3,061,386.44 through this grant request, which represents 41.75 percent of overall project costs for the 911 portion of the facility. As mentioned previously, our estimated 911 fund balance, as of June 30, 2017, is $1,674,710.91. It is anticipated that the majority, if not all, of the technology costs (eligible) will be covered by the 911 fund balance. Of the $4 million set aside by the County, $3 million will be put towards the 911 portion of the facility.

No other funding sources have been identified.

Required for all Regional Initiative Enhancement/Replacement project types. Regional initiative enhancement/replacement projects are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such projects may involve two or more primary PSAPs.

12. What is the relationship of participating PSAPs to the initiative? Provide MOUs between PSAPs identifying each participant PSAP's responsibilities to the project.

Click or tap here to enter text.

13. Identify intended collaborative efforts between participating PSAPs.

Click or tap here to enter text.

14. Identify how resource sharing will take place.
Click or tap here to enter text.

15. Indicate how the initiative impacts the operational or strategic plans of the participating agencies.
Click or tap here to enter text.

NOTE: *The following section on "Consolidation Project Plan" is ONLY required if your type of grant is a "Consolidation". If your project IS NOT a Consolidation, proceed to question # 23 to complete the grant application.*

16. Indicate how a consolidation would take place and improve service
Click or tap here to enter text.

17. Indicate how the consolidated PSAP should be organized and staffed
Click or tap here to enter text.

18. Indicate what services the consolidated PSAP should perform
Click or tap here to enter text.

19. Indicate how consolidated PSAP policies should be made and changed
Click or tap here to enter text.

20. Indicate how the consolidated PSAP should be funded exclusive of grant funding
Click or tap here to enter text.

21. Indicate what changes or improvements should be made to inter-communications among the local governments participating in the consolidation in order to better support operations.

Click or tap here to enter text.

22. Discuss sustainability of the consolidation project during the proposed term of the project, and for the foreseeable future.

Click or tap here to enter text.

23. Current 911 Fund Balance

The estimated fund balance is $1,674,710.91. The 2017 audit results have not been received.

24. Estimated June 30, 2017 911 Fund Balance

$1,674,710.91 is estimated.

25. Amount Requested

$3,061,386.44

26. Total Project Cost

$7,331,987

A budget and budget narrative must be supplied for all types of projects, as well as a copy of the applicant agency's approved FY 2016 PSAP budget.

27. List by line item planned expenditures

In alignment with the project goals and objectives, grant funds are requested for the planned expenditures listed below.

- Facility Construction, including generator, automatic transfer switch, and manual transfer switch
- Radio Consoles and Back-up Radios
- NetClock
- Logging Recorder
- CAD System and Maintenance
- APCO EMD
- Workstation Furniture and Chairs
- Professional Consultant Services

Attachment 6 contains detailed vendor quotes for the requested expenditures. MCP estimated the cost for network infrastructure.

Attachment 7 contains the 2017-2018 PSAP budget.

CONSTRUCTION: $5,413,740

Facility Construction (911 and 70% of shared spaces only): Currently Wayne County 911 has outgrown its footprint within the County building. The facility design provides space for the 911 Center; support spaces, such as restrooms and kitchen; and office spaces. As the NC 911 Board is aware, construction costs have escalated in the last few years. This is primarily due to the rise in construction projects, shortage in workforce, and yearly inflation on labor and materials. The facility cost is estimated at $690 a square foot, for 7,846 square feet.

Generator: Pursuant to 09 NCAC 06C.0210(b), "Primary and secondary power sources shall be determined by the PSAP including the following provisions: ... (4) Secondary Power Source. (A) The secondary power source shall consist of one or more standby engine-driven generators. ..." The request for a generator is to provide an independent and reliable power source in the event the primary power fails. It is anticipated that this will fall under the construction contract, but it may be cost effective to procure separately.

TECHNOLOGY: $1,446,107.00

Harris Symphony Dispatch System Configuration: $563,765
Back-up Radios: $164,975
Hardware and software for eight positions

Spectracom GPS Clock System: $17,314.60
Precisely times critical systems

Voice Logging Recorder: $67,729.23
Records phone lines and dispatch radio channels

Computer-Aided Dispatch (CAD) Hardware: $11,196.71
Includes hardware for eight positions
(Spillman CAD is a site license and there will be no additional fees for additional licenses)

CAD Maintenance: $47,926
Support for the CAD system

APCO EMD: $93,880
Needed to provide EMD to citizens in Wayne County; includes training, manuals, software and one year of technical support

Dispatch Consoles: $235,493.48
Furniture to house monitors, mice, keyboards, and central processing units (CPUs)

Chairs: $16,200.93
Ergonomic chairs that can withstand use for 24/7/365 (Miller quote)

Office Phones: $2,626.05
Office phones are needed to support 911 personnel

Network Infrastructure: $225,000
Network infrastructure provides for servers, racks, cabling, switches, storage, and other miscellaneous technological items.

PROFESSIONAL SERVICES MANAGEMENT: $472,140

Wayne County intends to hire MCP for project management and coordination of all components, to include grant reporting, procurement support, coordination between vendors and vendor oversight, transition planning and implementation for the length of the project. This estimate is based on similar work for other clients. This cost is the same as provided to Richmond County in 2015. Due to the

complexity of the project, this fee is not subject to reduction based on the grant award as all components of the project remain the same, including technology procurements.

28. Provide a budget narrative that briefly explains the reason for each requested budget item.

Each component of this project is critical and must be accomplished for Wayne County 911 to realize its plan of a newly constructed, enhanced emergency communications center. The funding request requires prioritizing the requests; however individually these requests will not result in a new, enhanced PSAP. There are interdependencies to each component: facili radio, and technology. Adding additional dispatch consoles, for example, with CAD, telephony, and radio functionality, does not accomplish the intent of the grant request.

As previously stated, the primary goal of this project is to improve services to the citizens and first responders of Wayne County through construction of a new, enhanced emergency communications center. While construction has been a centra topic of discussion for several years among Wayne County key decision-makers, the deficiencies experienced by the 911 Center, as noted throughout MCP's study (high attrition rate, high abandoned call rate, short- and under-staffed, call processing times) and the availability of this grant program have brought the need to the forefront. Regardless of any construction effort, Wayne County requires costly changes for an upgraded, enhanced facility. Enhancement of PSAP dispat services and this grant program provide a unique opportunity to bring the construction discussion into the implementation phase. This is also an opportunity for Wayne County to upgrade telephony equipment, provide extra room and space for th hiring of additional personnel, and implement EMD as a service for the citizens of Wayne County. There is also space shoulc Duplin County and Wayne County enter into an ILA for back-up services.

The facility needs for Wayne County's 911 Center is the driving factor and a priority for this funding request. Wayne County has a critical need for a new PSAP as the existing center is housed on the second floor of the Jeffreys Federal Building, an antiquated building with no room for expansion. The 911 Center has outgrown the current facility and has decided, with th consultation of an architect, a new, enhanced emergency communications center would be the most fiscally responsible method of gaining the needed space to accommodate additional personnel. As noted, the County has set aside $4 million fc a new Emergency Services facility, with $3,000,000 towards the 911 portion of construction costs.

For Wayne County 911 to receive and process the call volume once EMD has been implemented, the CAD system must be upgraded with the EMD software, additional telephony positions must be installed, additional personnel must be hired to accommodate the increased workload, and all personnel will need to be trained on the new, upgraded equipment.

29. If the project will have ongoing expenses, such as monthly or annual recurring charges, identify those expenses by line item including the projected costs and the specific sources for future/long-term funding and demonstrate how the project will be sustained in the future without additional 911 Grant Program funding.

The capital costs requested within this grant program are anticipated to be costs incurred one-time or infrequently with pla to begin saving funding for future upgrades or replacement through ongoing anticipated 911 surcharges, where eligible.

The ongoing costs associated with this project will be for the maintenance and repair of equipment, as is currently the case. Eligible costs will be funded through our 911 fund distribution, and other monthly or recurring costs of maintaining the systems and facility are anticipated to be within the revenue capacity of the County.

Wayne County will request an amount equivalent to our prior years' operational budget for 911 as a base sum, and factor in the costs of two additional telecommunicators, as mentioned previously. When additional costing factors for the new facility are known, Wayne County 911 Communications will adjust its budget accordingly.

Attachment 8 contains expenditures for Wayne County 911.

All applications must include evaluation information. The final report shall include an evaluation demonstrating that the equipment or services funded by the grant have been purchased, installed/implemented, and are performing as expected.

30. Explain how your evaluation will measure the achievement of the goals and objectives identified in the Project Description with a timeline and milestones for meeting short, intermediate, and long term goals.

Upon grant award, the project plan (goal, scope and project timeline) will be further refined by the project committee with the assistance of our professional services consultant. County staff will work with our professional services consultant and vendors to communicate and document expectations of the scope of work, budget and timelines. A master schedule will be developed from individual component schedules to ensure alignment. From this, milestones will be identified and any dependencies noted. Any potential risks will also be identified and documented.

A single point of contact for the County will be utilized to coordinate all communications, activities and deliverables. Communications will occur in the form of bi-weekly, then weekly, conference calls and face-to-face meetings as appropriate these meetings will be documented, shared and maintained in a central project file by our professional services consultant.

Progress reports will be based on measured progress of the project compared to the project plans, and will be part of discussions during project meetings. The measurement will be made by determining if the tasks, activities and milestones

were successfully completed within the projected timelines. All required grant program reporting will be prepared with the assistance of our professional services consultant and approved by the project committee prior to submittal.

31. Describe in detail how evaluations will be conducted, including performance parameters which must be met in order to meet acceptance criteria.

Following grant award, a project committee will be officially established comprised of the Assistant County Manager, the Office of Emergency Services Director, the IT Director, and the 911 Communications Manager; from this committee a prima point of contact for the County will be selected. Additional committee participation, such as from the Finance Department c Facility Services, will be added as appropriate. This project committee will work with the staff, vendors and MCP to evaluate each milestone activity for completion to the satisfaction of the contractual SOW. With the assistance of MCP, the project committee will oversee testing and acceptance plans for each project component (e.g., facility, technology), as well as staff training; all results will be documented for the project files. Any milestone or cutover will not be accepted until the contracted results are proven within the designated period. Local and state code compliance, industry standards and contractual scopes will be monitored, documented and officially accepted by the committee.

Throughout the project, bi-weekly, then weekly, status calls and on-site monthly meetings (as appropriate) will be facilitate by MCP and attended by committee members. Professional services staff will prepare minutes from these meetings, which will be shared with attendees for concurrence within five days of the meeting.

During the construction and outfitting of the new facility, the project committee and project manager may identify risks and ways to mitigate identified risks, and will communicate same to the appropriate County officials and the NC 911 Board.

Monthly reports for the NC 911 Board will be prepared with the assistance of our professional services support and approve by the committee prior to submittal. Monthly reports will include the current status of all funded activities (e.g., constructic communications systems, and other activity), as well as documentation of all completed milestones, any project timeline changes, and upcoming tasks for the next reporting period. Interim reports will be provided upon request or if a risk is identified that will impact scope, schedule or budget.

Various stages of the project will require testing, whether it be during construction or technology implementation.

A third-party testing firm will be contracted to perform testing throughout the project as required, including a geotechnical assessment and concrete strength tests. The soils will need to be suitable for building a mission-critical facility. The concrete strength tests will ensure the concrete meets specified requirements.

Construction shall adhere to the latest version of the NC building codes, as well as those requirements from the NC 911 Board Rules, specifically 09 NCAC 06C .0210, *Public Safety Answering Point (PSAP) Facilities*, and .0402, *Grant for Construction or Renovation*. In addition, there are other standards that will be applicable during the evaluation phase. Electrical shall be per National Fire Protection Association (NFPA), *National Electrical Code (NEC)* [NFPA 70]. Portions of NFPA 1221, *Standard for the Installation, Maintenance, and Use of Emergency Communications Systems*, shall be applicable. Grounding shall adhere to Motorola R56 standards. These standards will be referenced when reviews are conducted.

Wayne County's local building inspector and the fire marshal will be involved in inspections. The architect's contracted engineering firm and MCP's subject matter experts will conduct periodic reviews. Building commissioning will be conducted by the building inspector and professional engineering firm, witnessed by the County. Commissioning will be per accepted industry practice and requisite standards.

Telecommunications Industry Association (TIA) and BICSI standards will be followed for the information and communications technology (ICT) infrastructure and structured cabling, as appropriate.

Technology vendors will be expected to provide acceptance test plans for review and approval by MCP and the

County prior to actual testing and subsequent acceptance, when all tests have successfully been demonstrated or passed. The acceptance tests will be witnessed by MCP. The NC 911 Board will be provided copies of all test documentation.

As a rule, state codes, national standards, and best practices will be followed throughout the construction, commissioning, and acceptance of the facility itself and all associated technology.

32. Identify how data will be collected and presented

All documentation produced during the project, including but not limited to draft and final design drawings, technology specifications, meeting minutes, project schedules, executed vendor contracts, and change orders, will be collected electronically, whenever possible, and manually when not. For those documents that do not lend themselves to electronic copies, a hard copy will be maintained by MCP, which will provide all relevant documentation to the County at the conclusi of the project.

All electronic files will be maintained by MCP in a central project folder that is accessible to County staff through an FTP site The files will be organized by major project components, such as construction and technology, and further organized by individual components/tasks and tracking milestones. A separate file will be maintained for final deliverables. The project fi will be maintained throughout the life of the project. During project closeout, a copy of all electronic final documents will b provided to the County on a USB drive. Any hard copies not in the County's possession will be turned over.

Wayne County would like to thank the NC 911 Board for the opportunity to submit this grant request. If the Board has any questions or requires clarification during the review process, please do not hesitate to contact us.

Once you are satisfied with your application, please email the completed application along with all attachments to 911comments@its.nc.gov The deadline for filing is midnight, Friday, June 15, 2018. **NO APPLICATIONS WILL BE ACCEPTED AFTER THAT DATE**

Once you have submitted the application including all necessary attachments, you will receive a reply email within 24 hours advising you that the grant application has been received. If you **DO NOT** receive the confirmation email within 24 hours, please contact Pokey Harris *pokey.harris@nc.gov* or call 919-754-6621

Attachment 1 — Space Breakdown — can be found on the following page.

This attachment pertains to question 5.

911 Dedicated Areas 100%		
Spaces	100% Room Area .sf	70% Room Area
I.T Receiving	140.00	n/a
System Tech	121.00	n/a
Server Room	819.00	n/a
Database Manager	125.00	n/a
911 Director	164.00	n/a
911 Telecom Center	2,483.00	n/a
911 Telecom Center Storage	79.00	n/a
Quiet Room	126.00	n/a
Copier Area	141.00	n/a
QA/QC	182.00	n/a
Total (Square Feet)	4,380.00	
911 Dedicated Areas 100%		
Spaces	100% Room Area .sf	70% Room Area
HVAC Room	396.00	277.20
Electrical Room	306.00	214.20
EOC/TRAINING ROOM	1,013.00	709.10
Entrances & Corridors	1,646.00	1,152.20
Kitchen & Pantry	461.00	322.70
Janitors Closet	65.00	45.50
Office Storage	136.00	95.20
General Storage	101.00	70.70
Admin Assistant	108.00	75.60
Office Manager	139.00	97.30
Toilets and Shower Rooms	434.00	303.80
Conference Room	147.00	102.90
Totals (Square Feet)	4,952.00	3,466.40

Attachment 2 — Site Aerial — can be found on the following page.

This attachment pertains to question 6.


Pets At the Shelter
Goldsboro Sanitation
PROPOSED RENOV
AND NEW
FACILITY
12,000 SF
Google

Attachment 3 — Fund Balance Information — can be found on the following page.

This attachment pertains to question 9.

From: Allison Speight
To: Daniel Wiggins
Cc: Allison Speight
Subject: RE: Fund Balance Question
Date: Wednesday, May 2, 2018 4:09:53 PM

Hey, Daniel,

I don't believe we have heard from the 911 Board yet on what our June 30, 2017 Approved Fund Balance is, but what we showed on our report was $1,674,710.91 at June 30, 2017.

The County money that has been set aside for the 911 Center is $4,000,000. The remainder of the budget was anticipated with grant monies or 911-Restricted funds.

Let me know if you need anything else. Thanks.

Allison W. Speight, CPA, CLGFO
Finance Director
County of Wayne
919-731-1437

From: Daniel Wiggins
Sent: Wednesday, May 02, 2018 2:05 PM
To: Allison Speight <Allison.Speight@waynegov.com>
Subject: Fund Balance Question

Allison,

I'm working on the NC 911 Grant and I need to get some figures to provide for it. I need our 225 fund balance and I also need to know how much money the county has allocated to the 911/OES Building project. If you have any more questions on this, feel free to ask! Thanks!

Daniel Wiggins, RPL
911 Communications Manager
Wayne County OES
Office: 919-731-1416
Fax: 919-731-1420
Email: Daniel.Wiggins@waynegov.com

Attachment 4 — Fund Distribution — can be found on the following pages.

This attachment pertains to question 9.

NC DIT
911 Board
NORTH CAROLINA DEPARTMENT OF INFORMATION TECHNOLOGY

J. ERIC BOYETTE
SECRETARY & STATE CHIEF INFORMATION OFFICER
CHAIRMAN

David B. Bone
VICE CHAIRMAN

May 18, 2018

Craig Honeycutt
County Manager
PO Box 227
Goldsboro NC 27530

Dear Craig Honeycutt,

RE: Wayne PSAP Funding Distribution FY2019

The North Carolina 911 Board approved a funding method in December 2010 for distributing funds to the primary PSAPs. The 911 Board is required to present the proposed distribution amount (base amount as defined in G.S. §143B-1406 for each primary PSAP by June 1 of each year for the upcoming fiscal year. The distribution amount is based on data collected for the most recent five years of approved eligible expenditures for your primary PSAP.

The 911 Board must consider the amount of funds carried forward for your primary PSAP in determining the distribution amount for the upcoming fiscal year. This required by G.S. §143B-1406(a1), and the Board considered distributions remaining in the Emergency Telephone System Fund for the past two years. PSAPs may carry-forward no more than 20% of the average yearly amount of the prior two years for eligible expenditures for capital outlay, capital improvements or equipment replacement. The 911 Board however, may allow a PSAP to carry forward a greater amount.

Please note, your agency's FY2017 Revenue-Expenditure report has not been reconciled and the reported expense was the amount used for the 5-year average. Once the report is reconciled, the final expense amount **will not** impact the FY2019 funding for your agency.

Based on the most recent unreconciled Revenue Expenditure financial data of June 30, 2017, distributions to your PSAP for Fiscal Year 2018-2019 will be $45,709.41 monthly, which is $548,512.92 annually. Distributions must be deposited into the Emergency Telephone System Fund (N.C.G.S. §143B-1406(a)). Disbursements will begin July 1, 2018 for the 2018-2019 fiscal period.

P O Box 17209, Raleigh, NC 27619-7209
4101 Mail Service Center, Raleigh, NC 27699-4101
Telephone: 919-754-66241
it.nc.gov/nc911board

If you feel the monthly distribution amount is not adequate to fund the eligible expenditures of your 911 center, or if you feel your agency needs more than the 20% allowable carry-forward, you may request a reconsideration of the distribution amount.

Forms for requesting a funding reconsideration are available on the North Carolina 911 Board website http://it.nc.gov/nc911board. Eligible expenses are identified in the N.C.G.S. §143B-1406(d) and on the Board's, Approved Use of Funds List at http://it.nc.gov/nc911board.

Please contact me and I'll be glad to assist you in making that request. My email address is Pokey.Harris@nc.gov . All reconsideration requests must be filed no later than August 6, 2018.

Sincerely,

L.V. Pokey Harris
Executive Director

Cc: Finance Director
911 Director

P O Box 17209, Raleigh, NC 27619-7209
4101 Mail Service Center, Raleigh, NC 27699-4101
Telephone: 919-754-6621
it.nc.gov/nc911board

Attachment 5 — Wayne County 911 Strategic Plan — can be found on the following pages.

This attachment pertains to question 10.



County of Wayne

PSAP Technology Plan

Summary

The purpose of this overview is to focus on long term planning for Wayne County 911 Communications technology. Because rapid changes in technology can make it hard to quantify future needs in detail, this plan is designed to serve as a framework only.

This document is designed to provide an overview of current technology in operation at Wayne County 911 Communications as well identifying future needs and planning of this critical service.

Goals and Priorities

- Enhance the present level of 911 systems and improve the capabilities of the 911 system to integrate new technologies, devices and services that will provide improved collaboration between citizens and center operations.
- Upgrade/update CAD, telephony, radio, and consoles to include new number of workstations as well as increase redundancy and high availability.
- Integrate "Next Generation" technologies that will allow the 911 center to answer emergency calls via text messaging.
- Create a robust and survivable PSAP utilizing cutting edge technology in servers, workstations, switching, backups and displays.

Current Technology and Resources

The Wayne County 911 Communications Center operates on a Microsoft.NET platform utilizing Spillman Flex CAD. This solution has been in place since November 2017 and is operating well for the agency. The primary database for CAD is an on-site RedHat Linux Server. There is redundancy with a second, on-site RedHat Linux Server located at a separate location from the primary PSAP. The mapping services reside on a County owned, virtualized server that also offers redundancy and stability.

The telephony system is a Microsoft.NET based platform utilizing VIPER by AT&T. The primary database for telephony is located on-site. The secondary database is located off-site and provides back-up and redundancy in case of primary database failure.

The radio system consoles operate on a Microsoft.NET platform utilizing Symphony by Harris. The primary database is located at the primary tower site for the county-wide P25 VFH Trunked radio system.

The department's IT/CAD/GIS staff operate under the Office of Emergency Services and provides all technical support for the 911 Center including hardware, software, network, programming, GIS, VoIP communications and support for day-to-day operations. A support and maintenance agreement is maintained with AT&T, Spillman Technologies, and Radio Communications Company (RCC) to ensure continuity of services and provide assistance for vendor specific software systems.

Funding is obtained through a county funded budget and the 911 Board allocated monies. All funding is formally requested each year and approved by the County Manager and Board of Commissioners.

Solutions

Hardware

Current upgrades, enhancements and purchases have been planned and requested in the current budget year and are not hinged on the grant to bring all solutions to the appropriate levels on the server level. The grant requests the additional equipment to add to the additional workstations.

All CAD workstations, servers, network and infrastructure will be County owned and operated. All telephony CPE will be upgraded to the ESINet system. All radio equipment will be County owner and operated.

Software

Appropriate upgrades and purchases have been planned and requested in the PSAP grant to adequately bring the agency to appropriate functionality levels that ensure efficiency and business continuity. At this time the primary software request is the needs to add licensing for EMD and additional radio consoles for the additional workstations.

Staff Resources/Technical Support

The Office of Emergency Services will provide all necessary resources to build and migrate to the new County 911 Center as part of the grant project seeing through to completion. The department will also be responsible for providing technical support and resources to the Center and all related hardware/software support including connectivity and access to the building.

Training

Employee training for CAD, telephony, and radio equipment is conducted on-site initially by vendor support and then by the 911 Communications Manager once the vendor trainer has left site. All personnel will be trained in the same manner. All staff will receive Basic Telecommunicator Certification, CPR certification, and EMD Certification.

Attachment 6 — Vendor Quotes — can be found on the following pages.

This attachment pertains to question 27.

Quote		Price	Fund Use
Dell	CAD Hardware	$11,196.71	Restricted
Spillman	Maintenance	$47,926	Restricted
RCC	NetClock	$17,314.60	Restricted
RCC	Radio Consoles/Hardware	$563,765	Restricted
	Backup Radios	$164,975	Unrestricted
CRS	Recorder	$60,469.84	Restricted
		$7,259.39	Unrestricted
APCO	EMD	$85,000	Restricted
	EMD Class - Online	$1,257	Restricted
	EMD Instructor	$477	Unrestricted
	EMD Medical Instructor	$169	Unrestricted
	EMD Class - Classroom	$2,765	Restricted
	Guidecards	$3,887	Restricted
	Guidecard Fee	$325	Restricted
Evans	Consoles	$235,493.48	Restricted
Miller at Work	Chairs	$16,200.93	Restricted
Benchmark	Office Phones	$2,626.05	Unrestricted
		$1,221,107.00 total	$175,506.44 requiring grant funding

DELL EMC

A quote for your consideration!

Total: $11,196.71

Based on your business needs, we put the following quote together to help with your purchase decision. Please review your quote details below, then contact your sales rep when you're ready to place your order.

Quote number:	Quote date:	Quote expiration:	Deal ID:
3000024434337.1	Apr. 25, 2018	May 25, 2018	12287292

Company name:	Customer number:	Phone:
COUNTY OF WAYNE	2441812	(919) 731-1609

Sales rep information:

Erika Loftis
Erika_Loftis@Dell.com
(800) 456-3355
Ext: 5139284

Billing Information:

COUNTY OF WAYNE
224-226 E WALNUT ST RM 403
PO BOX 227
GOLDSBORO
NC 27533-0227
US
(919) 731-1609

Pricing Summary

Item	Qty	Unit Price	Subtotal
OptiPlex 7050 MFF	8	$772.03	$6,176.24
Dell 24 Monitor - P2417H	24	$158.19	$3,796.56
Dell Micro All-in-One Stand	8	$64.49	$515.92
		Subtotal:	$10,488.72
		Shipping:	$0.00
		Environmental Fees:	$0.00
		Non-Taxable Amount:	$0.00
		Taxable Amount:	$10,488.72
		Estimated Tax:	$707.99
		Total:	$11,196.71

Special lease pricing may be available for qualified customers. Please contact your DFS Sales Representative for details.

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Dear Customer,

Your Quote is detailed below; please review the quote for product and information accuracy. If you find errors or desire certain changes please contact me as soon as possible.

Regards,

Erika Loftis

Order this quote easily online through your Premier page, or if you do not have Premier, using Quote to Order

Shipping Group 1

Shipping Contact:	Shipping phone:	Shipping via:	Shipping Address:
PAM ADAMS	(919) 223-4284	DELL Standard Delivery	301 N HERMAN ST GOLDSBORO NC 27530-2973 US

SKU	Description	Qty	Unit Price	Subtotal
	OptiPlex 7050 MFF	8	$772.03	$6,176.24
	Estimated delivery date: Apr. 30, 2018 **Contract No:** 99AGZ **Customer Agreement No:** MHEC-07012015			
210-AKIQ	OptiPlex 7050 Micro Form Factor BTX	8	-	-
338-BKYO	Intel Core i5-7500T (QC/6MB/4T/2.7GHz/35W); supports Windows 10/Linux	8	-	-
619-AHKN	Win 10 Pro 64 English, French, Spanish	8	-	-
658-BCSB	Microsoft(R) Office 30 Days Trial	8	-	-
329-BDHX	OptiPlex 7050 MFF with 35W CPU up to 87% efficient of 65W Adaptor	8	-	-
370-ADJW	8GB (1x8GB) 2400MHz DDR4	8	-	-
631-ABGK	Intel vPro Technology Enabled	8	-	-
400-AOZR	M.2 256GB PCIe Class 40 Solid State Drive	8	-	-
412-AAJC	Thermal Pad, OptiPlex	8	-	-
773-BBBC	M2X3.5 Screw for SSD/DDPE	8	-	-
401-AANH	2nd Hard Drive: not included	8	-	-
631-ABGL	Intel Ready Mode Technology	8	-	-
632-BBBJ	CMS Software not included	8	-	-

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555-BDHD	Intel Dual Band Wireless AC 8265 (802.11ac) 2x2 + Bluetooth	8	-	-
580-ADJC	Dell KB216 Wired Multi-Media Keyboard English Black	8	-	-
275-BBBW	Dell MS116 Wired Mouse, Black	8	-	-
421-9984	Dell Data Protection Encryption Personal Edition Digital Delivery	8	-	-
954-3455	Dell ProSupport for Software, Dell Data Protection Encryption Personal Edition, 1 Year	8	-	-
998-CJLL	Fixed Hardware Configuration	8	-	-
575-BBKX	No Hard Drive Bracket for Small Form Factor, Dell OptiPlex	8	-	-
450-ABED	Power Cord	8	-	-
340-AGIK	Safety/Environment and Regulatory Guide (English/French Multi-language)	8	-	-
340-ABJI	No Diagnostic/Recovery CD media	8	-	-
340-BKQM	MOD,PLCMT,QSG,7050,MFF,DAO	8	-	-
332-1286	US Order	8	-	-
620-AALW	OS-Windows Media Not Included	8	-	-
525-BBCL	SupportAssist	8	-	-
640-BBLW	Dell(TM) Digital Delivery Cirrus Client	8	-	-
658-BBMR	Dell Client System Update (Updates latest Dell Recommended BIOS, Drivers, Firmware and Apps)	8	-	-
658-BBRB	Waves Maxx Audio	8	-	-
658-BCUV	Dell Developed Recovery Environment	8	-	-
389-BREQ	Intel Core i5 vPRO Label	8	-	-
461-AABF	No CompuTrace	8	-	-
329-BBJL	TPM Enabled	8	-	-
470-AAJL	NO ADAPTER	8	-	-
575-BBBI	No Integrated Stand option	8	-	-
389-BBUU	Shipping Label for DAO	8	-	-
389-BRKR	Ship Material Micro for Opti 5050	8	-	-
387-BBLW	E-Star 6.1 & TCO 5.0 Driver, Service Install Module	8	-	-

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389-BRPY	MOD,LBL,REG,MFF,MEX,65W,7050	8	-	-
450-ADTR	65W AC Adapter	8	-	-
461-AABV	No Accessories	8	-	-
389-BDQH	Retail POD	8	-	-
555-BDIM	Intel Dual Band Wireless 8265 (802.11ac) Driver	8	-	-
817-BBBC	Not selected in this configuration	8	-	-
812-3886	Dell Limited Hardware Warranty Plus Service	8	-	-
812-3900	ProSupport: 7x24 Technical Support, 5 Years	8	-	-
812-3910	ProSupport: Next Business Day Onsite 5 Years	8	-	-
989-3449	Thank you choosing Dell ProSupport. For tech support, visit http://support.dell.com/ProSupport or call 1-866-516-3115	8	-	-

SKU	Description	Qty	Unit Price	Subtotal
	Dell 24 Monitor - P2417H	24	$158.19	$3,796.56
	Estimated delivery date: May 8, 2018 **Contract No:** 99AGZ **Customer Agreement No:** MHEC-07012015			
210-AIIM	Dell 24 Monitor - P2417H	24	-	-
814-5380	Dell Limited Hardware Warranty	24	-	-
814-5381	Advanced Exchange Service, 3 Years	24	-	-

SKU	Description	Qty	Unit Price	Subtotal
	Dell Micro All-in-One Stand	8	$64.49	$515.92
	Estimated delivery date: May 1, 2018 **Contract No:** 99AGZ **Customer Agreement No:** MHEC-07012015			
452-BCQC	Micro AIO Stand MFS18 CUS KIT	8	-	-

Subtotal:	$10,488.72
Shipping:	$0.00
Environmental Fees:	$0.00
Estimated Tax:	$707.99
Total:	**$11,196.71**

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Exhibit B
Purchased Products and Services

Pricing provided reflects the products and services as requested in the RFP. Due to the structure in which Spillman provides our Purchase agreement, some figures may appear to be different than what is reflected in the RFP, however all quoted products and services from the RFP are accounted for – including optional pricing – as reflected in Spillman's proposal.

Wayne County Software, Services and Hardware	
Inclusions	**Price**
Total Software	$1,292,597
Software Module Discount	($43,875)
Total Professional Services/Implementation	$207,975
Hardware and Third Party (Esri)	$138,743
Grand Total	**$1,595,440**

Wayne County Ongoing Maintenance	
Inclusions	**Price**
First Year Maintenance	Included
Second Year Maintenance*	$185,793

*Second year annual maintenance is estimated for your planning purposes and is not included in this purchase price. First year maintenance is included in the total purchase price.

CONFIDENTIAL

Spillman CAD/RMS/JMS System

Wayne County OES & Wayne County Sheriff's Office

Spillman Solution	$1,595,440.00
Restricted Fund Use (Approx)	$337,368.00
Total Budget Cost	$1,258,072.00

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Total
System Yearly Cost	$140,056.79	$140,056.79	$140,056.79	$140,056.79	$140,056.79	$140,056.79	$140,056.79	$140,056.79	$140,056.79	$122,599.30	$1,383,110.41
911 Maintenance	$0.00	$47,926.00	$47,926.00	$47,926.00	$47,926.00	$47,926.00	$47,926.00	$47,926.00	$47,926.00	$47,926.00	$431,334.00
WCSO Maintenance	$0.00	$137,867.00	$137,867.00	$137,867.00	$137,867.00	$137,867.00	$137,867.00	$137,867.00	$137,867.00	$137,867.00	$1,240,803.00
Total Expenditure	**$140,056.79**	**$325,849.79**	**$325,849.79**	**$325,849.79**	**$325,849.79**	**$325,849.79**	**$325,849.79**	**$325,849.79**	**$325,849.79**	**$308,392.30**	**$3,055,247.41**
911 Restricted Funds	$0.00	$47,926.00	$47,926.00	$47,926.00	$47,926.00	$47,926.00	$47,926.00	$47,926.00	$47,926.00	$47,926.00	$431,334.00
Tiburon CAD Maintenance	$94,015.44	$94,015.44	$94,015.44	$94,015.44	$94,015.44	$94,015.44	$94,015.44	$94,015.44	$94,015.44	$94,015.44	$940,154.40
WCSO Savings	$54,000.00	$54,000.00	$54,000.00	$54,000.00	$54,000.00	$54,000.00	$54,000.00	$54,000.00	$54,000.00	$54,000.00	$540,000.00
Total Saving	**$148,015.44**	**$195,941.44**	**$195,941.44**	**$195,941.44**	**$195,941.44**	**$195,941.44**	**$195,941.44**	**$195,941.44**	**$195,941.44**	**$195,941.44**	**$1,911,488.40**
Total Net Payment	**-$7,958.65**	**$129,908.35**	**$129,908.35**	**$129,908.35**	**$129,908.35**	**$129,908.35**	**$129,908.35**	**$129,908.35**	**$129,908.35**	**$112,450.86**	**$1,143,759.01**

RADIO COMMUNICATIONS COMPANY

8035 Chapel Hill Road
Cary, North Carolina 27513
P. O. Box 68, Cary, North Carolina 27512
(919) 467-2421 • Fax (919) 467-6548

7 June 2018

PROPOSAL

Prepared for:

Wayne County OES
Daniel Wiggins
919-731-1416

QUANTITY	ITEM	DESCRIPTION	UNIT PRICE	EXTENSION
1	GP934-NG911	**PSAP Command Center package** (compliant to NENA Master Clock specification 04-002): Includes: • NetClock-GPS/GNSS Time Server/Master Clock Model 9483 with Opt 05 OCXO Oscillator for GPS Back-up • Opt-16 Multi-Network Card Module • GPS/GNSS Outdoor Antenna Model 8230 • GPS Antenna Surge Protector Model 8226 • Grounding Kit 8226-0002-0600 • Outdoor GPS Antenna Cable - 100 ft., CA01-0N0N-3100 • IP-PoE Display Clock Model SBP-31S-406-0G • AC Power Injector P/N A-POE-INJECTOR-0 • Weather-Proofing Kit • (1) s-ntp-UNL-2LAN PresenTense Package, CD.	$15,314.60	$15,314.60
	PSP9483-05,16	**Spectracom First Year 24/7 Premium Support Package (annual program)** • 24/7 Emergency technical support for down mission critical systems • Express 24 hour loaner service (loaners sent out within 24 hours of a call) • Free loaners (normally a $250 Dollar/mo. Min charge) • Priority repair service, first class rank for repair service (standard 10-14 days) • Free domestic ground shipping of repairs (normally a one way charge)		
1	Installation	Installation of NetClock and Display Clock (at prewired location), including basic installation hardware/materials.	$2,000.00	$2,000.00
				Prices plus tax. if applicable

**Prices valid for thirty (30) days from above date.*

Please contact us with any questions or comments about this proposal. We look forward to working with you in this matter.

Matthew Dean
Radio Communications Company
919-467-2421
mdean@rccws.com

RADIO COMMUNICATIONS COMPANY

8035 Chapel Hill Road
Cary, North Carolina 27513
P. O. Box 68, Cary, North Carolina 27512
(919) 467-2421 • Fax (919) 467-6548

2 May 2018

Symphony Consoles for the Wayne County 911 Center

RCC is pleased to provide Wayne County this following proposal for eight (8) Symphony Console positions and related equipment and licenses for the new 911 facility.

Symphony Console Position Equipment

- Eight (8) Symphony Console positions, each including the following:
  - Symphony Dispatch Platform enclosure, running Windows operating software with full screen Symphony Dispatch software and remote Baton operation, console licenses to interface with the P25 system
  - Two (2) Nano speakers
  - One (1) 21.5" high definition display screen
  - Keyboard and mouse
  - Single footswitch
  - Desk mic
  - 6 wire jackbox
  - Over-the-head solid boom headset with 6 wire adapter cable

- Site Networking Equipment to interconnect the Symphony Console positions to the P25 system
  - Cisco 4221 Router
  - Cisco 2960 Plus Switch

Software and Licenses

The following software and licenses are included in the Symphony Console offering.

- AES and DES encryption
- Eighteen (18) patch definitions
- Nine (9) 9 patch activations
- Eighteen (18) Simulselect definitions
- Paging Capability
- Remote Aux I/O
- I-Calls
- Four (4) speaker license
- Four (4) user setups

- Sixteen (16) workspace tabs
- Call Director
- Ninety-six (96) Console talkpath licenses

Services

- Configuration of the P25 system network to add the new Symphony Consoles
- Configuration and programming of the Symphony Console positions
- Installation of the Symphony Console positions at the work stations

RCC's proposal includes all engineering, installation, programming, configuration, and testing of the new equipment.

Total: **$563,765.00**
(Prices plus taxes, if applicable)

Please let us know if you have any questions. We look forward to working with you in this important matter.

Carolina Recording Systems, LLC
PO Box 11311
Charlotte, NC 28220
CRS

QUOTE

FOR: Eventide NexLog Communications Recording System

Wayne County Emergency Services
134 N. John St.
Goldsboro, NC 27530

Daniel Wiggins
(919) 731-1416
Daniel.Wiggins@waynegov.com

Quote Prepared By
Derrick Duggins
derrick.duggins@crsnc.com
(919) 302-2297
Fax: (888) 776-0201
Help Desk: (888) 661-0202

Est. Delivery	Terms	GSA Contract Number	Quote Valid Through	Quote Number
4 to 6 Weeks	Net 30	GS-35F-0415V	04/30/2017	WAYNE0717-02

Line	Qty	Model	Description	Unit Price	Ext. Price
1	1	NexLog740	**NexLog 740** This Eventide NexLog 740 recording server will be configured to record up to 40 Analog Channels, up to 24 VoIP/RoIP Channels, and is expandable for future recording needs. The 3U rack-mount recording chassis contains 3TB of RAID storage and a Linux Operating System. Recording Solution Includes: Web-Browser Playback — Instant Recall Incident Recreation — Identity Protection/ Redaction NENA ANI/ALI — Front Panel Display Harris Integration — DVSI Decoder for Harris P25 Zetron MAX CT Integration — Contact Closure	$ 60,166.00	$ 60,166.00
2	1	NAS-14506	Network Attached Storage - 6TB RAID, 8GB RAM, 1U, Windows 10 Pro	$ 3,395.00	$ 3,395.00
3			**Equipment List Price**		**$ 63,561.00**
4	1	XXXX	Professional Services: Includes Pre-installation site survey, installation, configuration, testing, and unlimited training.	$ 8,500.00	$ 8,500.00
5	1	Man S&H	Manufacturer Shipping	$ 125.00	$ 125.00
6			**Solution List Price Total**		**$ 72,186.00**
7			**GSA Discount (Based on GSA Contract Number GS-35F-0415V)**		**$ (11,716.16)**
8			**Solution Total**		**$ 60,469.84**
9			**Recommended Optional Equipment**		
10	1	271071	Screen Recording for 10 PCs (Requires MediaWorks PLUS)	$ 3,000.00	$ 3,000.00
11	1	105315	Incremental Upgrade to 4 x 2TB Hot Swap h/w-RAID5 = 6TB storage if purchase Screen Record	$ 1,910.00	$ 1,910.00
12	1	271077	Quality Factor Software: FIRST 20 Agents (Requires MediaWorks PLUS)	$ 2,500.00	$ 2,500.00
13	1	271082	Quality Factor Software: 20 Agent ADD-ON license pack	$ 1,990.00	$ 1,990.00
14	1	271098	Geo Search/View (Requires Lat/Lon, MW PLUS, Google Maps)	$ 995.00	$ 995.00
15			**Optional Equipment List Price Total**		**$ 10,395.00**
16			**GSA Discount for Optional Equipment (Based on GSA Contract Number GS-35F-0415V)**		**$ (3,135.61)**
17			**Optional Equipment Total**		**$ 7,259.39**

Installation Notes:
Customer's radio, telephone, and CAD vendors should provide the proper inputs, identified and terminated within 6 feet of the recorder's physical location. Customer is responsible for insuring the necessary installation and integration work is completed by its other vendors.

Warranty Notes:
System comes with 1 year Manufacturer Warranty with 24/7 onsite response.

Wayne County Communications Eventide Recording System							
Part Number	**Description**	**Quantity**	**List Price (Each)**	**List Price (Extended)**		**GSA Price (Each)**	**GSA Price (Extended)**
NexLog 740							
List Total($60,166.00) - GSA Total($48,449.84) = GSA Discount of $11,716.16							
NexLog740	NexLog 740 base system: 3U rack-mount, Intel Core2 Quad CPU, Dual NIC, Embedded Linux, NexLog base software, web-based configuration manager, and 1st year warranty. SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025	1	$7,995.00	$7,995.00		$6,524.89	$6,524.89
105302	Front Panel without display for NexLog 740 (standard-no charge) SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025	1	$0.00	$0.00		$0.00	$0.00
105314	Upgrade to 4 x 1TB Hot Swap h/w-RAID5 = 3TB storage SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025	1	$2,880.00	$2,880.00		$2,350.43	$2,350.43
105321	Equip with 1 Multi-Drive for DVD-RAM (standard) SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025	1	$0.00	$0.00		$0.00	$0.00
108233-000	Dual Hot-Swap power supplies, 120/240 VAC (standard-no charge) Open Market Item	1	$0.00	$0.00		$0.00	$0.00
324430	Rack Mount Slides - 4 Post, 3U (for NexLog 740) SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025	1	$360.00	$360.00		$293.80	$293.80
105284-024	24-Channel Analog Card, 24 Ch. Licenses SIN: 132-33, FSC CLASS: 7010	1	$6,000.00	$6,000.00		$4,896.73	$4,896.73
105284-016	16-Channel Analog Card, 16 Ch. Licenses SIN: 132-33, FSC CLASS: 7010	1	$4,000.00	$4,000.00		$3,264.48	$3,264.48
109033-003	Quick Install Kit (9 ft. Cable + "66" Block): SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025	2	$220.00	$440.00		$179.55	$359.10
108121	24 port GPIO PCI Card/Cable Kit (non-isolated; 24 inputs) SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025	1	$795.00	$795.00		$648.82	$648.82
271052	Internal IP Recorder with First 8 G.711 Channels SIN: 132-33, FSC CLASS: 7010	1	$3,850.00	$3,850.00		$3,468.51	$3,468.51
271035	Additional Internal IP G.711 8-Channel license pack SIN: 132-33, FSC CLASS: 7010	2	$1,750.00	$3,500.00		$938.54	$1,877.08
324469	Single-port 100/GB PCI Network Card SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025	2	$188.00	$376.00		$153.43	$306.86
209029	911 NENA ANI/ALI CAD Spill Integration - USA/Canada only SIN: 132-33, FSC CLASS: 7010	1	$3,495.00	$3,495.00		$2,852.34	$2,852.34
209157	Metadata Integration for Dispatch, RoIP, and Other Systems SIN: 132-33, FSC CLASS: 7010	1	$3,495.00	$3,495.00		$2,852.34	$2,852.34
271116	Integration to Harris VIDA P25 SR10A/SR10A1 system via VNIC SIN: 132-33, FSC CLASS: 7015	1	$8,995.00	$8,995.00		$7,341.01	$7,341.01
1173-000	DVSI 4-Port Decoder Unit (for P25, DMR, TRBO, and NXDN) - Max 3 SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025	1	$10,000.00	$10,000.00		$8,161.21	$8,161.21
115021	Enhanced Reporting Package SIN: 132-33, FSC CLASS: 7010	1	$995.00	$995.00		$812.04	$812.04
271101	45 Baud Analog TTY Decoder for TDD/SMS-to-911 (USA/Canada) SIN: 132-33, FSC CLASS: 7013	1	$1,995.00	$1,995.00		$1,628.16	$1,628.16
271083	8 pack MediaWorks PLUS (web) concurrent license SIN: 132-33, FSC CLASS: 7010	1	$995.00	$995.00		$812.04	$812.04
Peripherals							
NAS-14506	Network Attached Storage - 6TB RAID, 8GB RAM, 1U, Windows 10 Pro Open Market Item	1	$3,395.00	$3,395.00		$3,395.00	$3,395.00
Shipping							
Man S&H	Manufacturer Shipping and Handling Open Market Item	1	$125.00	$125.00		$125.00	$125.00
Professional Services							
XXXX	Professional Services: Includes Pre-installation site survey, installation, configuration, testing, and unlimited training.	1	$8,500.00	$8,500.00		$8,500.00	$8,500.00
	Item Sub-Total			**$72,186.00**			**$60,469.84**
Recommended Optional Equipment							
List Total($10,395.00) - GSA Total($7,259.39) = GSA Discount of $3,135.61							
271071	Screen Recording for 10 PCs (Requires MediaWorks PLUS) SIN: 132-33, FSC CLASS: 7010	1	$3,000.00	$3,000.00		$2,448.36	$2,448.36
105315	Incremental Upgrade to 4 x 2TB Hot Swap h/w-RAID5 = 6TB storage if purchase Screen Record SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025	1	$1,910.00	$1,910.00		$1,558.79	$1,558.79
271077	Quality Factor Software: FIRST 20 Agents (Requires MediaWorks PLUS) SIN: 132-33, FSC CLASS: 7010	1	$2,500.00	$2,500.00		$1,220.10	$1,220.10
271082	Quality Factor Software: 20 Agent ADD-ON license pack SIN: 132-33, FSC CLASS: 7010	1	$1,990.00	$1,990.00		$1,220.10	$1,220.10
271098	Geo Search/View (Requires Lat/Lon, MW PLUS, Google Maps) SIN: 132-33, FSC CLASS: 7011	1	$995.00	$995.00		$812.04	$812.04

APCO International

Leaders in Public Safety Communications®

Proposal for

APCO IntelliComm™
Criteria-Based Guidecard Software

Supported by IBM Watson Analytics

Submission Date: June 6, 2018

Prepared for:
Wayne County Emergency Communications

Prepared by:
Darlene Hines
APCO International
351 North Williamson Boulevard
Daytona Beach, FL 32114
(386) 322-2500, x. 2458
hinesd@apcointl.org

About APCO International

The Association of Public-Safety Communications Officials (APCO) International is the world's largest organization of public safety communications professionals. It serves the needs of public safety communications practitioners world-wide and the welfare of the general public as a whole, by providing complete expertise, professional development, technical assistance, advocacy and outreach.

About the APCO Institute

Established in 1988, the APCO Institute is a not-for-profit educational institute that serves the unique needs of the public safety communications industry. Because APCO Institute is a not-for-profit educational institute, we can bring you affordable options and certification, such as our train-the-trainer programs and in-house training, that traditional for-profit training, businesses cannot or will not provide.

The Institute is overseen, managed, and operated by industry experts with years of experience. Through our membership, we stay current with industry issues, needs, and standards. Because our members all work in their respective communications agencies each day, their needs and concerns drive the activity of APCO Institute.

About APCO IntelliComm™ Guidecard Software

APCO IntelliComm™ supported by IBM Watson analytics, is a cloud-based, criteria-based cognitive software solution that guides emergency calltakers and dispatchers through interactions with citizens who call 9-1-1 for assistance with Law Enforcement, Fire and Emergency Medical Dispatch. The software provides each emergency communications center – and staff member -- with a structured question, answer and dispatch process – including potentially life-saving pre-arrival instructions -- that meets all applicable national standards as well as the unique needs of each agency.

APCO IntelliComm™ also includes the Emergency Response Guide (ERG), information from the National Center for Missing and Exploited Children (NCMEC) and the most robust and comprehensive Quality Assurance (QA) capabilities in the industry.

Introduction

It is our understanding that, Wayne County Emergency Communications , hereinafter referred to as the "agency" has requested a price quote for the implementation of APCO IntelliComm™ software for the following

- APCO IntelliComm™ software installed on 13 computer terminals: $65,000.00
  - Software includes the following modules: EMD, Law Enforcement, Fire, Missing and Exploited Children and QA

- Software Implementation: $20,000.00
  The Implementation provides on-going 24/7 support, guide cards, online software training, project management, and first year maintenance

Total: $ 85,000.00

- **CAD Vendor:** Spillman Flex

Proposed Products, Services & Procedures

The products, services and procedures to be provided by APCO Institute within this proposal are set out below as a progression of actions and activities.

This proposal includes only those services rendered by APCO Institute towards the development of the interface between APCO IntelliComm™ software and the agency's CAD system, conversion of the agency's customized APCO Institute guidecards into electronic format, and the IntelliComm™ User Guide.

The agency and the agency's CAD vendor will be responsible for development of the interface that enables the agency's CAD system to communicate with the IntelliComm™ software as well as any and all further expenses associated with it.

IntelliComm™ Software

On the basis of the above, APCO Institute will develop and provide to the agency an IntelliComm™ software package that includes the agency's IntelliComm™ software and the agency's IntelliComm™ database.

Annual Maintenance Agreement

The agency is required to maintain an annual maintenance agreement, which includes technical support and all IntelliComm™ software updates. The cost of the annual maintenance agreement as quoted above is based on the number of licensed terminals and is for the first

year only. To assist you with your budget after the first year your annual maintenance will be $13,000.00 (Due one year from implementation) 20% License Fee

Implementation -- Process

Using the paper APCO guidecards customized by your agency -- APCO Institute will create an IntelliComm™ software package that mirrors the guidecards and best reflects the needs, resources and procedures of the agency. This quote does not include costs associated with the creation or implementation of paper guidecards.

Estimated Time Frame for Completion

Based on current procedural guidelines and relying on a presumed rapid turn-around of draft documents by agency personnel, the APCO Institute estimates a start-to-finish time for this project of approximately three (3) to six (6) months. This estimate is based on the time required by the agency to complete its guidecard edits and submit them to APCO, as well as APCO's schedule and workload. The schedule for completion is subject to changed based on these factors.

Implementation -- Terms

For providing the services and products defined in this proposal, APCO Institute will charge the agency for the price of the IntelliComm™ software plus a fee for the first twelve (12) months of the annual maintenance agreement, invoiced as follows:

$42,500.00 (50%) due upon acceptance of this proposal - once paid software process will begin
$42,500.00 (Remainder) upon delivery of the final product

This fee is subject to change should acceptance of this proposal occur more than ninety (90) days after the date of submittal listed below.

License includes: EMD, Law Enforcement, Fire, Missing and Exploited Children and QA Modules, and current ERG

Proposal Acceptance

Agency Name: Wayne County Emergency Communications

By: _____

Title: _____

Date: _____

APCO Institute will begin the proposed project upon the receipt of a signed copy of this proposal agreement and an authorized Purchase Order or other form of payment from the Agency.

APCO Institute
APCO's Training & Certification Division

QUOTE:06062018TT

Date: 6/6/2018

To Daniel Wiggins, RPL
911 Communications Manager
Wayne County Emergency Communications
PO BOX 227
Goldsboro, NC 27533-0227

Expiration Date: 90 Days

Preparer	Job	Shipping	Delivery Date	Payment Terms
D.Hines	EMD Training	FOB	Upon request	Due upon receipt
Qty	Item	Description	Unit Price	Line Total
		EMD Train the Trainer – in house		
3	EMD	EMD 5.3 Basic Class Online – 6 weeks	$419.00	$ 1,257.00
3	EMD Instr	EMD Instructor Upgrade Application (Dispatch)	$159.00	$ 477.00
1	EMD Instr R	EMD Restricted Medical Instructor Application (Medical)	$169.00	$ 169.00
35	EMD Manuals	EMD 5.3 Class 4 day class -in house	$79.00	$ 2,765.00
		Guide Cards		
13	EMD G/Cards	EMD Guide Cards with Binders or Racks	$299.00	$ 3,887.00
1	Edit	Guide Card Customization Fee	$325.00	$ 325.00
			Sub Total:	$ 8,880.00
		Please see below for EMD PRE-REQ's	**Shipping:**	$ 465.64
			TOTAL:	$ 9,345.64

Instructor: * Minimum of one year experience as a trainer, supervisor, lead supervisor or lead worker in a public safety communications center, or or a telematics or 3-1-1 call center

Quotation prepared by: *Darlene Hines*, Sales Coordinator

This is a quotation on the goods named, subject to the conditions listed in the APCO EMD Implementation Guide.

Refunds Please be certain your order is correct, as all sales are FINAL.

Request for refunds or returns for EMD Materials will not be accepted.

To accept this quotation, sign here and return: _____

Emergency Medical Dispatcher and Instructor Pre-Req's based on the National Standard for EMD

Emergency Medical Dispatcher Pre-Req's

*** Requires basic telecommunicator training (can be PST1 or other commercial or formal basic training class, can be letter from agency head on agency letterhead stating completion of in-house basic telecommunicator training)

*** Requires CPR

EMD Instructor

Requires APCO EMD

Requires CPR

Requires EMT- with ALS Certification (if they want to teach the class alone)

Available for upgrade (with EMD certification and one year experience as certified EMD)

Minimum of one year experience as a trainer, supervisor or lead supervisor or lead worker in a public safety communications center or a telematics or 3-1-1 call center

Available to complete the Instructor application/TEST (if approved by APCO) may be used in lieu of taking an APCO online instructor course

EMD Instructors cannot teach outside their agency because they are under their agency's medical direction. Our adjunct instructors teach under the APCO Institutes Medical Director.

Restricted Medical EMD Instructor

To better serve smaller agencies with more restrictive budgets, APCO Institute offers the Restricted Medical EMD Instr.r Certification. This certification allows agencies to certify a medically trained individual to instruct the medical portion of the APCO Institute EMD course without attending an EMD Instructor course first.

Restricted Medical EMD Instructor Candidate Requirements – must be APPROVED by APCO

Requires CPR

The Individual must be at least an EMT- Advanced with a current formal instructor certification from a state or federal agency.

(Examples: Fire Instructor, Post Instructor)

An individual must submit the following documentation:

- Resume/Curriculum Vitae
- Proof of CPR
- Certificate of Medical Training
- Certificate of Instructor Qualifications (copy of Instructor Certificate)
- Restricted Medical EMD Instructor Certification application **must be APPROVED by APCO**
- Application Fee

Emergency Medical Dispatch (EMD) Recertification

Expiration date and up to 30 days grace period

1. Recertification application
2. CDE for 2 yrs (minimum of 12 hrs per certification year)
3. Current CPR card
4. $30 recertification fee

Emergency Medical Dispatch Instructor (EMD-I) Recertification and PST, FSC, CTO, CCS same procedures

Expiration date and up to 30 days grace period

1. Recertification application
2. Agency Instructor agreement
3. CDE for 2 yrs (minimum of 24 hrs per certification year; 12 hrs instructing /12 hrs CDE)
4. Copy of current CPR certification
5. Copy of current EMT certification, if applicable
6. All instructor certifications will be recertified and dates will be concurrent

7. $95 fee

EVANS

PRICE QUOTATION

Daniel Wiggins

Project Name: Wayne Co 911
Project Location: Goldsboro, North Carolina, United States

Project Number: 17-6468 Phase 1 Revision 1
Issue Date: May 1, 2018

Sales Lead: Scott Brown

Project Manager:

Manufactured Product				
	Code	Unit Price	Qty	Extended Price
Group 1	DSP-C	43,586.16	4	174,344.64
Supervisor	DSP-C	21,899.92	1	21,899.92
			Sub-Total	196,244.56
Logistics				
Packaging				Included
Freight				19,624.46
Install				19,624.46
			Sub-Total	39,248.92
			Project Total (USD, All Sales Taxes Excluded)	**235,493.48**

Note: Products on GSA Schedule are marked as 'G'. Items without a 'G' are open market items. GSA Contract No: GS-28F-0036M; Effective until June 13, 2022.

Freight INCO Terms: FOB Origin to Goldsboro, North Carolina, United States

Payment Terms:
100% due upon Shipment of Work, NET 30

Quote is NOT valid without the Evans Terms & Conditions document.
Quote validity period is 90 days for product (only). See Evans Terms & Conditions document for more details.
Evans accepts all major credit cards subject to service fees.

P.O. #: _____ ☐ Accept Evans Terms and Conditions

Accepted by: _____ Date: _____

Evans Consoles Incorporated
450, 1577 Spring Hill Road | Vienna, VA | USA 22182
Phone: +1.403.291.4444 | Fax: +1.403.250.6549 | Web: www.evansonline.com

EVANS

MANUFACTURED PRODUCT
PROJECT DETAILS

Shipment A		
Includes all product		
Packaging		Price
Blanket Wrapped		Included
Freight		
Transportation by Truck (LTL) to Goldsboro, North Carolina, United States		19,624.46
Evans Offload to Room of Rest		Included
Debris Removal		Included
Transit Time: 10 Days		
Install		
Evans Installation Assumes single installation activity at non-union site during weekday, regular work hours in non-operational, free, and clear room. * The client must identify and provide a POC (point of contact) responsible for decision making or whom will have access to a person of authority for the duration of the scheduled installation activity. The appointed POC must ensure that either he/she or the authorized representative will be available upon completion of the installation activity to sign off the Evans PCR (Project Completion Report) * Failure to provide such a contact assumes the activity as reported has been accepted. ** Assumes that site preparedness has been met in accordance with the attached contract terms and conditions.	G	19,624.46

EVANS

MANUFACTURED PRODUCT BILL OF MATERIALS

Group 1
Dispatch - Qty: 4

	Part Number	Description	Measure	Unit Price	Qty	Extended Price
PRODUCT STRUCTURE						
1	CO-PF-HPL	High Pressure Laminate panel finish	Each	Included	1	Included
2	DSP-FD-B	Base Full Depth Console	Units	430.66 G	14	6,029.24
3	DSP-RD-B	Base Reduced Depth Console	Units	388.01 G	6	2,328.06
4	DSP-FD-MK	Full Depth Mitre kit (0° to 45°)	Each	331.98 G	4	1,327.92
5	DSP-FD-EP-CO	Full Depth Contemporary style end panel	Each	386.34 G	2	772.68
6	CO-WS	HPL Worksurface with Ergonomic PVC Edge	Units	129.61 G	26.5	3,434.67
7	CO-WS-UFE	Upgrade Worksurface Edge to Ergonomic Soft Urethane	Units	52.68 G	24.5	1,290.66
8	CO-WLS-LC-HD-2	Two heavy duty Lift Columns with control equipment; Main Platform; Includes worksurface support cage	Each	1,550.36 G	2	3,100.72
9	CO-WLS-LC-LD-2	Two light duty Lift Columns with control equipment; Input Platform option; Includes integrated pressure safety switch	Each	723.33 G	2	1,446.66
10	CO-WLS-SLS	Base cavity safety limit system (SLS) (per module)	Each	250.87 G	6	1,505.22
11	CO-SW-S-2T	Double Tier Slatwall system	Units	240.83 G	26.5	6,382.00
12	CO-AM-US-CA	Undercounter Storage - Closed Adjustable Shelves	Units	492.26	2	984.52
13	CO-AM-US-TD	Undercounter Storage - Adjustable Shelves with Tambour Doors	Units	556.97	2.5	1,392.43
EQUIPMENT/ACCESSORIES						
14	CO-ESS-BFS	Base Fixed Shelf	Each	166.41 G	4	665.64
15	CO-ESS-BSOS	Base Slide-Out Shelf	Each	193.17 G	4	772.68
16	CO-EL-CCS	EnviroLinc core control system (power module not included)	Each	1,085.08	2	2,170.16
17	CO-EL-DF	EnviroLinc desktop fans (pair)	Each	113.56	2	227.12
18	CO-EL-PM-AC	EnviroLinc AC power module	Each	308.98	2	617.96
19	CO-EL-TSC	EnviroLinc touch screen controller	Each	283.25	2	566.50
20	CO-HT-FA-EL	Forced Air Heater mounted to front panel; EnviroLinc compatible	Each	401.39 G	2	802.78
21	CO-PB-NA-6-15	North America Power Bar with mounting bracket; 120V/15A, 6 outlets, 15' power cord, CSA/UL	Each	96.17 G	2	192.34
22	CO-PB-NA-6-6	North America Power Bar with mounting bracket; 120V/15A, 6 outlets, 6' power cord, CSA/UL	Each	82.79 G	8	662.32
23	CO-PDO-SW-AZ	Axil Z Slatwall/Slatrail Power Unit; 2 AC, 2 Configurable Data Ports	Each	213.24 G	4	852.96
24	CO-TL-SW-MO	Mosso task light by Koncept with Slatwall/Slatrail mount	Each	226.62 G	2	453.24
25	CO-MA-E-SW-DT	Slatwall/Slatrail mounted Double Tier Monitor Arm by Evans (max 40 lbs. (18.1 kg) per arm)	Each	376.30 G	4	1,505.20
26	CO-MA-E-SW-ST	Slatwall/Slatrail mounted Single Tier Monitor Arm by Evans (max 40 lbs. (18.1 kg) per arm)	Each	262.57 G	4	1,050.28
27	CO-PL-H-3X2	PowerLinc Hub; 3cct x 2, 5-20R	Each	320.27 G	6	1,921.62
28	CO-PL-E-03	3' PowerLinc Extender	Each	120.42 G	2	240.84
29	CO-PL-E-06	6' PowerLinc Extender	Each	143.83 G	2	287.66
30	CO-PL-JB-3R	PowerLinc Junction Box (3R)	Each	154.70 G	2	309.40
31	CO-PL-SB-3	PowerLinc Splitter; 1 in, 3 out	Each	146.34 G	2	292.68
					Sub-Total (single unit)	43,586.16

Supervisor
Dispatch - Qty: 1

	Part Number	Description	Measure	Unit Price	Qty	Extended Price

PRODUCT STRUCTURE						
32	CO-PF-HPL	High Pressure Laminate panel finish	Each	Included	1	Included
33	DSP-FD-B	Base Full Depth Console	Units	430.66 G	9	3,875.94
34	DSP-RD-B	Base Reduced Depth Console	Units	388.01 G	3	1,164.03
35	DSP-FD-MK	Full Depth Mitre kit (0° to 45°)	Each	331.98 G	2	663.96
36	DSP-FD-EP-CO	Full Depth Contemporary style end panel	Each	386.34 G	2	772.68
37	CO-WS	HPL Worksurface with Ergonomic PVC Edge	Units	129.61 G	13	1,684.93
38	CO-WS-UFE	Upgrade Worksurface Edge to Ergonomic Soft Urethane	Units	52.68 G	10.5	553.14
39	CO-WLS-LC-HD-2	Two heavy duty Lift Columns with control equipment; Main Platform; Includes worksurface support cage	Each	1,550.36 G	1	1,550.36
40	CO-WLS-LC-LD-2	Two light duty Lift Columns with control equipment; Input Platform option; Includes integrated pressure safety switch	Each	723.33 G	1	723.33
41	CO-WLS-SLS	Base cavity safety limit system (SLS) (per module)	Each	250.87 G	3	752.61
42	CO-SW-S-2T	Double Tier Slatwall system	Units	240.83 G	15	3,612.45
EQUIPMENT/ACCESSORIES						
43	CO-ESS-BFS	Base Fixed Shelf	Each	166.41 G	1	166.41
44	CO-ESS-BSOS	Base Slide-Out Shelf	Each	193.17 G	2	386.34
45	CO-EL-CCS	EnviroLinc core control system (power module not included)	Each	1,085.08	1	1,085.08
46	CO-EL-DF	EnviroLinc desktop fans (pair)	Each	113.56	1	113.56
47	CO-EL-PM-AC	EnviroLinc AC power module	Each	308.98	1	308.98
48	CO-EL-TSC	EnviroLinc touch screen controller	Each	283.25	1	283.25
49	CO-HT-FA-EL	Forced Air Heater mounted to front panel; EnviroLinc compatible	Each	401.39 G	1	401.39
50	CO-PB-NA-6-15	North America Power Bar with mounting bracket; 120V/15A, 6 outlets, 15' power cord, CSA/UL	Each	96.17 G	1	96.17
51	CO-PB-NA-6-6	North America Power Bar with mounting bracket; 120V/15A, 6 outlets, 6' power cord, CSA/UL	Each	82.79 G	3	248.37
52	CO-PDO-SW-AZ	Axil Z Slatwall/Slatrail Power Unit; 2 AC, 2 Configurable Data Ports	Each	213.24 G	2	426.48
53	CO-TL-SW-MO	Mosso task light by Koncept with Slatwall/Slatrail mount	Each	226.62 G	1	226.62
54	CO-MA-E-SW-DT	Slatwall/Slatrail mounted Double Tier Monitor Arm by Evans (max 40 lbs. (18.1 kg) per arm)	Each	376.30 G	2	752.60
55	CO-MA-E-SW-ST	Slatwall/Slatrail mounted Single Tier Monitor Arm by Evans (max 40 lbs. (18.1 kg) per arm)	Each	262.57 G	2	525.14
56	CO-PL-H-3X2	PowerLinc Hub; 3cct x 2, 5-20R	Each	320.27 G	3	960.81
57	CO-PL-E-03	3' PowerLinc Extender	Each	120.42 G	1	120.42
58	CO-PL-E-06	6' PowerLinc Extender	Each	143.83 G	1	143.83
59	CO-PL-JB-3R	PowerLinc Junction Box (3R)	Each	154.70 G	1	154.70
60	CO-PL-SB-3	PowerLinc Splitter; 1 in, 3 out	Each	146.34 G	1	146.34
					Sub-Total (single unit)	21,899.92

Miller at Work
PO Box 5508
High Point, NC 27262
PH: 336-883-1302

Terms: 50% Deposit, net 15
or
Prepay with a $50.00 Discount per Chair

Quote# WCNCOES911-003-1

Ship Date: 6 weeks from eceipt of order & payment

To: Wayne County OES 911
134 N. John St.
Goldsboro, NC 28530
Attn: Daniel Wiggins
PH: 919-731-1416
FAX: 919-731-1420
Email: Daniel.Wiggins@waynegov.com

Ship To: Wayne County OES 911
134 N. John St.
Goldsboro, NC 28530
Attn: Daniel Wiggins
PH: 919-731-1416

P O Number	Date	Product	Qty	Price	Total
	5/9/2018	699-16-8-21/Dillon Grphite-Logo, Neck Cushion,Lumbar Pill	8	$1,879.50	$15,036.00
				SUBTOTAL	**$15,036.00**
				FREIGHT	**$550.00**
				6.75% TAX	**$1,014.93**
		Terms: 50% Deposit, net15		**TOTAL**	**$16,600.93**

SUBTOTAL	**$15,036.00**
FREIGHT	**$550.00**
6.75% TAX	**$1,014.93**
DISCOUNT	***($400.00)***
TOTAL	**$16,200.93**

Terms: Prepay with a $50.00 Discount per Chair

Remit To:
Miller at Work
PO Box 5508
High Point, NC 27262
336-883-1302
336-883-1304 (Fax)

BENCHMARK
NETWORK SOLUTIONS

Proposal and Quotation
Quote Date: June 6, 2018

Cient Information		Quote Name:	Cowan 8851 Phones 060618TM
Name:	**Chris Cowan**	**Name:**	**Tom Myatt**
Company:	**Wayne County Government**	**Address:**	**1931 Evans Road**
Address 1:	**224 East Walnut Street**	**City/St/Zip:**	**Cary, NC 27513**
Address 2:	**Courthouse**	**Country:**	**USA**
City/St/Zip:	**Goldsboro, NC 27533**	**Phone #:**	**919-678-6163**
Country:	**USA**	**Fax #:**	**919-678-8599**
Phone #:	**919-731-1605**	**Email:**	tmyatt@benchmark-net.com
Fax #:	**(919) 739-5042**		
Web:	christopher.cowan@ncmail.net	**BUDGETARY Pricing**	

Quantity	Part Number	Description	Unit Price	Total Price
4	CP-8851-K9=	Cisco 8851 IP Phone - Cable - Wall Mountable - VoIP - Caller ID - SpeakerphoneUnified Communications Manager, UC VR9679	$615.00	$2,460.00
		Note: The 8851 phone Will accommodate the Cisco sidecar.		

Subtotal	**$2,460.00**
Sales Tax (Materials) (6.75 %)	$166.05
Shipping & Handling	0.00
Product and Services Total	$2,626.05

Payment Terms: Net 30	**Please Fax PO to (919) 678-8599**
Standard Shipping Method is Ground Service.	**Attention:Tom Myatt**
Shipping Charges are prepaid by Benchmark and added	
to invoice unless specified differently.	
This Quote is valid for 30 Days.	http://www.benchmark-net.com

Submitted By: _____

Customer Acceptance By: _____
This approves the order of products and services by the customer.

Attachment 7 — 2017-2018 PSAP Budget — can be found on the following pages.

This attachment pertains to question 27.

COUNTY OF WAYNE

Expenditure Statement by Fund

For the Period July 1, 2017 through June 30, 2018

911 Communications

Number	Account Name	CYTD Original
Operating Expense		
225.4325.193	PROFESSIONAL SERVICES-MEDICAL	0
225.4325.195	PROF SERV - ARCH & ENGINEERS	0
225.4325.199	PROF SERV - OTHER	56,080.00
225.4325.260	OFFICE SUPPLIES	0
225.4325.261	OFFICE SUP - NON CAPITAL FURN & EQ	19,210.00
225.4325.262	NON-CAPITAL COMPUTER EQUIPMENT	70,730.00
225.4325.290	OTHER SUPPLIES	0
225.4325.311	TRAVEL, MEALS, & LODGING	880
225.4325.321	TELEPHONE	4,200.00
225.4325.321.0	TELEPHONE-ITS	0
225.4325.322	VOIP AND NETWORK CHARGES	0
225.4325.329	OTHER COMMUNICATIONS	0
225.4325.330	UTILITIES	0
225.4325.351	MAIN & REP - BLDGS & GRDS	0
225.4325.352	MAINT & REPAIRS - EQUIPMENT	1,200.00
225.4325.361	MOVING EXPENSES	0
225.4325.370	ADVERTISING	0
225.4325.395	TRAINING	3,400.00
225.4325.430	RENTAL OF EQUIPMENT	0
225.4325.431	RENTAL OF COPIER EQUIPMENT	0
225.4325.440	SERVICE & MAINT CONTRACTS	501,249.00
225.4325.491	DUES & SUBSCRIPTIONS	0
225.4325.510	CAPITAL OUTLAY-EQUIPMT	0
225.4325.510.0	CAPITAL OUTLAY-EQUIPMT	0
225.4325.520	CAPITAL OUTLAY - COMPUTERS	0
225.4325.580	BUILDINGS, STRUCTURES, IMPROVEMENTS	0
225.4325.712.0 01	LEASE PURCH PRIN-VOIP-PEOPLE NAT'L BK	0
225.4325.722.0 01	LEASE PURCH INT-VOIP-PEOPLE NAT'L BK	0
225.4325.980	TRANSFERS TO 129	0
225.4325.991	CONTINGENCY	0
225.4326.121	SALARIES & WAGES	0
225.4326.121.9	SALARIES & WAGES-MERIT/BASELINE	0
225.4326.127	SALARIES & WAGES - LONGEVITY PAY	0
225.4326.128	SALARIES & WAGES - BASELINE BONUS	0

225.4326.180	SOCIAL SECURITY - FICA		0
225.4326.181	SOCIAL SECURITY - MEDICARE		0
225.4326.182	RETIREMENT CONTRIBUTION		0
225.4326.182.0	401 K RETIREMENT		0
225.4326.183	HOSPITALIZATION INS CONTRIBUTIION		0
225.4326.183.0	EMPLOYEE ASSISTANCE PROGRAM		0
225.4326.186	WORKERS' COMPENSATION		0
225.4326.195	PROF SERV - ARCH & ENGINEERS		0
225.4326.199	PROF SERV - OTHER		0
225.4326.261	OFFICE SUP - NON CAPITAL FURN & EQ		0
225.4326.262	NON-CAPITAL COMPUTER EQUIPMENT		0
225.4326.351	MAIN & REP - BLDGS & GRDS		0
225.4326.352	MAINT & REPAIRS - EQUIPMENT		0
225.4326.361	MOVING EXPENSES		0
225.4326.430	RENTAL OF EQUIPMENT		0
225.4326.440	SERVICE & MAINT CONTRACTS		0
225.4326.510	CAPITAL OUTLAY-EQUIPMT		0
225.4326.580.0	BLDG,STRUC,IMPROV-BACKUP 911 CTR		0
225.4326.712.0 01	PRINCIPAL PAYMENT-RBC-RADIO SYSTEM		0
225.4326.722.0 01	INTEREST PAYMENT-RBC-RADIO SYSTEM		0
225.4326.991	CONTINGENCY		0
225.9810.980	TRANSFERS TO GENERAL FUND		0
225.9840.980	TRANSFER TO COUNTY CAPITAL PROJECT		0
225.9910.991.0	CONTINGENCY		0
Total Expenditures		$	656,949.00

COUNTY OF WAYNE

Expenditure Statement by Fund

For the Period July 1, 2017 through June 30, 2018

911 Communications

Account Number	Account Name	CYTD Original
Salary and Fringes		
110.4325.121	SALARIES & WAGES	1,017,269.00
110.4325.121.999	SALARIES & WAGES-MERIT/BASELINE	0
110.4325.122	SAL & WAGES - OVERTIME	91,406.00
110.4325.122.002	SALARIES & WAGES-STRAIGHT TIME/OVERTIME	81,248.00
110.4325.123	SAL & WAGES - HOLIDAY PAY	60,938.00
110.4325.125	TELEPHONE ALLOWANCE	0
110.4325.126	SAL & WAGES - EXTRA HELP	50,582.00
110.4325.127	SALARIES & WAGES - LONGEVITY PAY	4,304.00
110.4325.128	SALARIES & WAGES - BASELINE BONUS	0
110.4325.129	HEALTH INSURANCE OPT-OUT	1,000.00
110.4325.180	SOCIAL SECURITY - FICA	81,018.00
110.4325.181	SOCIAL SECURITY - MEDICARE	18,949.00
110.4325.182	RETIREMENT CONTRIBUTION	95,345.00
110.4325.182.001	401 K RETIREMENT	25,125.00
110.4325.183	HOSPITALIZATION INS CONTRIBUTIION	243,000.00
110.4325.183.002	EMPLOYEE ASSISTANCE PROGRAM	555
110.4325.186	WORKERS' COMPENSATION	17,760.00
Total Salary and Fringes		**1,788,499.00**
Operating Expenses		
110.4325.193	PROFESSIONAL SERVICES-MEDICAL	0
110.4325.195	PROF SERV - ARCH & ENGINEERS	0
110.4325.197	PROF SVC - BACKGROUND CHECKS	0
110.4325.199	PROF SERV - OTHER	23,500.00
110.4325.212	UNIFORMS	4,100.00
110.4325.231	PROGRAM SUPPLIES	2,000.00
110.4325.251	VEH SUP-GAS,OIL, TIRES ETC.	4,000.00
110.4325.260	OFFICE SUPPLIES	2,500.00
110.4325.261	OFFICE SUP - NON CAPITAL FURN & EQ	38,600.00
110.4325.262	NON-CAPITAL COMPUTER EQUIPMENT	3,530.00
110.4325.290	OTHER SUPPLIES	0
110.4325.299	SECURITY SUPPLIES	3,600.00
110.4325.311	TRAVEL, MEALS, & LODGING	19,161.00
110.4325.321	TELEPHONE	47,250.00
110.4325.321.001	TELEPHONE-ITS	19,203.00
110.4325.322	VOIP AND NETWORK CHARGES	0
110.4325.329	OTHER COMMUNICATIONS	3,692.00

110.4325.330	UTILITIES	45,000.00
110.4325.351	MAIN & REP - BLDGS & GRDS	0
110.4325.352	MAINT & REPAIRS - EQUIPMENT	30,000.00
110.4325.352.001	MAINT & REPAIRS - EQUIPMENT-RADIOS	80,560.00
110.4325.353	MAINT & REPAIRS - VEHICLES	2,400.00
110.4325.361	MOVING EXPENSES	0
110.4325.370	ADVERTISING	0
110.4325.395	TRAINING	7,665.00
110.4325.430	RENTAL OF EQUIPMENT	3,000.00
110.4325.431	RENTAL OF COPIER EQUIPMENT	1,500.00
110.4325.440	SERVICE & MAINT CONTRACTS	364,370.00
110.4325.450	INSURANCE & BONDING	0
110.4325.491	DUES & SUBSCRIPTIONS	1,825.00
110.4325.510	CAPITAL OUTLAY-EQUIPMT	14,860.00
110.4325.580	CAPITAL OUTLAY-BUILDINGS	0
110.4325.712.001	LEASE PURCH PRIN-VOIP-PEOPLE NAT'L BK	0
110.4325.722.001	LEASE PURCH INT-VOIP-PEOPLE NAT'L BK	0
110.4325.991	CONTINGENCY	0
110.4325.991.001	CONTINGENCY - SALARIES & BENEFITS	0
Total Operating Expenses		**722,316.00**
Grand Total		**2,510,815.00**

Attachment 8 — Wayne County 911 Expenditures — can be found on the following pages.

This attachment pertains to question 29.

COUNTY OF WAYNE
Expenditure Statement by Fund
For the Period July 1, 2016 through June 30, 2017

911 Communications

Account Number	Account Name	CYTD Original Budget	CYTD Revised Budget	P-T-D Expenditures	Y-T-D Expenditures	ITD Encumbrances	Available Budget
Salary and Fringes							
110.4325.121	SALARIES & WAGES	1,001,799.00	1,018,543.00	906,852.09	906,852.09	0	111,690.91
110.4325.121.999	SALARIES & WAGES-MERIT/BASELINE	0	0	0	0	0	0
110.4325.122	SAL & WAGES - OVERTIME	81,583.00	83,328.00	74,397.01	74,397.01	0	8,930.99
110.4325.122.002	SALARIES & WAGES-STRAIGHT TIME/OVERTIME	71,203.00	71,203.00	62,419.93	62,419.93	0	8,783.07
110.4325.123	SAL & WAGES - HOLIDAY PAY	59,939.00	64,434.00	53,625.05	53,625.05	0	10,808.95
110.4325.126	SAL & WAGES - EXTRA HELP	33,553.00	27,313.00	11,543.56	11,543.56	0	15,769.44
110.4325.127	SALARIES & WAGES - LONGEVITY PAY	4,709.00	4,709.00	3,942.10	3,942.10	0	766.9
110.4325.128	SALARIES & WAGES - BASELINE BONUS	0	125	125	125	0	0
110.4325.129	HEALTH INSURANCE OPT-OUT	2,000.00	2,667.00	2,583.30	2,583.30	0	83.7
110.4325.180	SOCIAL SECURITY - FICA	83,424.00	85,061.00	66,592.70	66,592.70	0	18,468.30
110.4325.181	SOCIAL SECURITY - MEDICARE	19,624.00	20,007.00	15,574.12	15,574.12	0	4,432.88
110.4325.182	RETIREMENT CONTRIBUTION	72,650.00	83,589.00	80,858.12	80,858.12	0	2,730.88
110.4325.182.001	401 K RETIREMENT	20,047.00	20,575.00	14,038.96	14,038.96	0	6,536.04
110.4325.183	HOSPITALIZATION INS CONTRIBUTIION	210,540.00	210,540.00	173,384.10	173,384.10	0	37,155.90
110.4325.183.002	EMPLOYEE ASSISTANCE PROGRAM	465	465	465	465	0	0
110.4325.186	WORKERS' COMPENSATION	16,320.00	16,320.00	13,481.59	13,481.59	0	2,838.41
Total Salary and Fringes		**1,677,856.00**	**1,708,879.00**	**1,479,882.63**	**1,479,882.63**	-	**228,996.37**
Operating Expense							
110.4325.193	PROFESSIONAL SERVICES-MEDICAL	0	0	0	0	0	0
110.4325.195	PROF SERV - ARCH & ENGINEERS	0	0	0	0	0	0
110.4325.197	PROF SVC - BACKGROUND CHECKS	0	0	0	0	0	0
110.4325.199	PROF SERV - OTHER	13,655.00	19,782.51	18,041.24	18,041.24	0	1,741.27
110.4325.212	UNIFORMS	3,100.00	3,100.00	2,787.08	2,787.08	0	312.92
110.4325.231	PROGRAM SUPPLIES	0	4,000.00	0	0	0	4,000.00
110.4325.251	VEH SUP-GAS,OIL, TIRES ETC.	4,500.00	3,100.00	2,350.06	2,350.06	0	749.94
110.4325.260	OFFICE SUPPLIES	2,900.00	2,900.00	2,506.78	2,506.78	0	393.22
110.4325.261	OFFICE SUP - NON CAPITAL FURN & EQ	7,800.00	12,666.25	11,548.56	11,548.56	0	1,117.69
110.4325.262	NON-CAPITAL COMPUTER EQUIPMENT	23,025.00	9,590.00	8,180.10	8,180.10	0	1,409.90
110.4325.290	OTHER SUPPLIES	0	0	0	0	0	0
110.4325.299	SECURITY SUPPLIES	3,500.00	0	0	0	0	0
110.4325.311	TRAVEL, MEALS, & LODGING	17,341.00	12,341.00	9,839.54	9,839.54	0	2,501.46
110.4325.321	TELEPHONE	61,770.00	64,254.44	43,821.40	43,821.40	7,273.48	13,159.56
110.4325.321.001	TELEPHONE-ITS	18,474.00	18,474.00	16,057.39	16,057.39	0	2,416.61
110.4325.322	VOIP AND NETWORK CHARGES	0	0	0	0	0	0
110.4325.329	OTHER COMMUNICATIONS	2,632.00	2,632.00	2,360.40	2,360.40	0	271.6
110.4325.330	UTILITIES	42,000.00	46,300.00	43,578.39	43,578.39	0	2,721.61
110.4325.351	MAIN & REP - BLDGS & GRDS	0	0	0	0	0	0
110.4325.352	MAINT & REPAIRS - EQUIPMENT	30,000.00	27,000.00	25,852.98	25,852.98	0	1,147.02
110.4325.352.001	MAINT & REPAIRS - EQUIPMENT-RADIOS	0	0	0	0	0	0
110.4325.353	MAINT & REPAIRS - VEHICLES	2,400.00	2,400.00	576.79	576.79	0	1,823.21

110.4325.361	MOVING EXPENSES	0	0	0	0	0	0
110.4325.370	ADVERTISING	0	0	0	0	0	0
110.4325.395	TRAINING	7,765.00	6,665.00	4,685.07	4,685.07	0	1,979.93
110.4325.430	RENTAL OF EQUIPMENT	3,000.00	3,000.00	2,890.50	2,890.50	0	109.5
110.4325.431	RENTAL OF COPIER EQUIPMENT	1,500.00	1,500.00	1,183.98	1,183.98	0	316.02
110.4325.440	SERVICE & MAINT CONTRACTS	363,410.00	353,610.00	313,001.22	313,001.22	0	40,608.78
110.4325.450	INSURANCE & BONDING	0	0	0	0	0	0
110.4325.491	DUES & SUBSCRIPTIONS	1,825.00	1,825.00	600	600	0	1,225.00
110.4325.510	CAPITAL OUTLAY-EQUIPMT	0	0	0	0	0	0
110.4325.580	CAPITAL OUTLAY-BUILDINGS	0	0	0	0	0	0
110.4325.712.001	LEASE PURCH PRIN-VOIP-PEOPLE NAT'L BK	0	0	0	0	0	0
110.4325.722.001	LEASE PURCH INT-VOIP-PEOPLE NAT'L BK	0	0	0	0	0	0
110.4325.991	CONTINGENCY	0	0	0	0	0	0
110.4325.991.001	CONTINGENCY - SALARIES & BENEFITS	0	0	0	0	0	0
Total Operating Expense		**610,597.00**	**595,140.20**	**509,861.48**	**509,861.48**	**7,273.48**	**78,005.24**
Grand Totals		**2,288,453.00**	**2,304,019.20**	**1,989,744.11**	**1,989,744.11**	**7,273.48**	**307,001.61**

COUNTY OF WAYNE

Expenditure Statement by Fund

For the Period July 1, 2016 through June 30, 2017

911 Communications - Restricted

Account Number	Account Name	CYTD Original Budget	CYTD Revised Budget	P-T-D Expenditures	Y-T-D Expenditures	ITD Encumbrances	Available Budget
EXPENDITURES							
225.4325.193	PROFESSIONAL SERVICES-MEDICAL	0	0	0	0	0	0
225.4325.195	PROF SERV - ARCH & ENGINEERS	0	0	0	0	0	0
225.4325.199	PROF SERV - OTHER	65,572.00	65,572.00	34,089.46	34,089.46	0	31,482.54
225.4325.260	OFFICE SUPPLIES	0	0	0	0	0	0
225.4325.261	OFFICE SUP - NON CAPITAL FURN & EQ	4,680.00	4,680.00	1,925.27	1,925.27	0	2,754.73
225.4325.262	NON-CAPITAL COMPUTER EQUIPMENT	70,450.00	70,450.00	14,207.13	14,207.13	0	56,242.87
225.4325.290	OTHER SUPPLIES	0	0	0	0	0	0
225.4325.311	TRAVEL, MEALS, & LODGING	1,760.00	1,760.00	0	0	0	1,760.00
225.4325.321	TELEPHONE	4,200.00	4,200.00	0	0	0	4,200.00
225.4325.321.001	TELEPHONE-ITS	0	0	0	0	0	0
225.4325.322	VOIP AND NETWORK CHARGES	0	0	0	0	0	0
225.4325.329	OTHER COMMUNICATIONS	0	0	0	0	0	0
225.4325.330	UTILITIES	0	0	0	0	0	0
225.4325.351	MAIN & REP - BLDGS & GRDS	0	0	0	0	0	0
225.4325.352	MAINT & REPAIRS - EQUIPMENT	1,200.00	1,200.00	0	0	0	1,200.00
225.4325.361	MOVING EXPENSES	0	0	0	0	0	0
225.4325.370	ADVERTISING	0	0	0	0	0	0
225.4325.395	TRAINING	4,400.00	4,400.00	2,899.30	2,899.30	0	1,500.70
225.4325.430	RENTAL OF EQUIPMENT	0	0	0	0	0	0
225.4325.431	RENTAL OF COPIER EQUIPMENT	0	0	0	0	0	0
225.4325.440	SERVICE & MAINT CONTRACTS	479,380.00	479,380.00	413,515.11	413,515.11	0	65,864.89
225.4325.491	DUES & SUBSCRIPTIONS	0	0	0	0	0	0
225.4325.510	CAPITAL OUTLAY-EQUIPMT	2,500,000.00	0	0	0	0	0
225.4325.520	CAPITAL OUTLAY - COMPUTERS	0	337,368.00	0	0	0	337,368.00

225.4325.580	BUILDINGS, STRUCTURES, IMPROVEMENTS	3,000,000.00	0	0	0	0	0
225.4325.712.001	LEASE PURCH PRIN-VOIP-PEOPLE NAT'L BK	0	0	0	0	0	0
225.4325.722.001	LEASE PURCH INT-VOIP-PEOPLE NAT'L BK	0	0	0	0	0	0
225.4325.980	TRANSFERS TO 129	0	0	0	0	0	0
225.4325.991	CONTINGENCY	0	0	0	0	0	0
225.4326.121	SALARIES & WAGES	0	0	0	0	0	0
225.4326.121.999	SALARIES & WAGES-MERIT/BASELINE	0	0	0	0	0	0
225.4326.127	SALARIES & WAGES - LONGEVITY PAY	0	0	0	0	0	0
225.4326.128	SALARIES & WAGES - BASELINE BONUS	0	0	0	0	0	0
225.4326.180	SOCIAL SECURITY - FICA	0	0	0	0	0	0
225.4326.181	SOCIAL SECURITY - MEDICARE	0	0	0	0	0	0
225.4326.182	RETIREMENT CONTRIBUTION	0	0	0	0	0	0
225.4326.182.001	401 K RETIREMENT	0	0	0	0	0	0
225.4326.183	HOSPITALIZATION INS CONTRIBUTIION	0	0	0	0	0	0
225.4326.183.002	EMPLOYEE ASSISTANCE PROGRAM	0	0	0	0	0	0
225.4326.186	WORKERS' COMPENSATION	0	0	0	0	0	0
225.4326.195	PROF SERV - ARCH & ENGINEERS	0	0	0	0	0	0
225.4326.199	PROF SERV - OTHER	0	0	0	0	0	0
225.4326.261	OFFICE SUP - NON CAPITAL FURN & EQ	0	0	0	0	0	0
225.4326.262	NON-CAPITAL COMPUTER EQUIPMENT	0	0	0	0	0	0
225.4326.351	MAIN & REP - BLDGS & GRDS	0	0	0	0	0	0
225.4326.352	MAINT & REPAIRS - EQUIPMENT	0	0	0	0	0	0
225.4326.361	MOVING EXPENSES	0	0	0	0	0	0
225.4326.430	RENTAL OF EQUIPMENT	0	0	0	0	0	0
225.4326.440	SERVICE & MAINT CONTRACTS	0	0	0	0	0	0
225.4326.510	CAPITAL OUTLAY-EQUIPMT	0	0	0	0	0	0
225.4326.580.001	BLDG,STRUC,IMPROV-BACKUP 911 CTR	0	0	0	0	0	0
225.4326.712.001	PRINCIPAL PAYMENT-RBC-RADIO SYSTEM	0	0	0	0	0	0
225.4326.722.001	INTEREST PAYMENT-RBC-RADIO SYSTEM	0	0	0	0	0	0
225.4326.991	CONTINGENCY	0	0	0	0	0	0
225.9810.980	TRANSFERS TO GENERAL FUND	0	0	0	0	0	0

225.9840.980	TRANSFER TO COUNTY CAPITAL PROJECT	0	1,162,632.00	1,162,632.00	1,162,632.00	0	0
225.9910.991.001	CONTINGENCY	0	0	0	0	0	0
Grand Totals		**$ 6,131,642.00**	**$ 2,131,642.00**	**$ 1,629,268.27**	**$ 1,629,268.27**	**$ 0**	**$ 502,373.73**

Attachment 9 — Grant Responses — can be found on the following pages.

Grant Type

Individual PSAP Relocation

PSAP Name

Wayne County Central 911

1. ***Has the Revenue/Expenditure Report for FY17 been completed and approved by the NC 911 Board Fiscal staff for the applicant PSAP?***

No

2. ***Has the applicant PSAP implemented a plan and secured the means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP (backup plan)?***

Yes

3. ***If the answer to #2 above is NO, please explain in detail why the plan has not been implemented?***

N/A

4. ***Has the North Carolina 911 Board been notified that backup plan has not been implemented?***

N/A

5. ***Please outline project goals and objectives.***

Wayne County 911's primary goal is to improve the service provided to the County's first responders and citizens, and meet the call processing standards established by the NC 911 Board and industry organizations, such as the National Emergency Number Association (NENA) and the National Fire Protection Association (NFPA). For this to occur, our authorized staffing must be increased; however, our facility is not suitable for expansion, limiting the staff we can have on-duty. As such, it is necessary for us to seek a new facility.

Duplin County has recently expressed interest in having the Wayne County 911 Center serve as a back-up for its 911 operations. This cannot occur in Wayne County's current facility. Duplin County has signed a resolution in support of Wayne County's grant application; however, it has not yet been signed by the Wayne County Commissioners.

Wayne County 911 is the primary public safety answering point (PSAP) for Wayne County, providing 911 call handling and dispatch services for the Wayne County Sheriff's Office and Goldsboro, Mount Olive, Fremont, Pikeville, and Walnut Creek police departments; the Goldsboro Fire Department and 24 volunteer fire departments; and Wayne County Emergency Medical Services (EMS). The center operates primarily in a vertical configuration, with

telecommunicators answering and dispatching calls for service; in this configuration there is no separation of responsibilities.

In May 2014, the Wayne County Board of Commissioners awarded a contract to conduct a needs assessment of the 911 Center to Mission Critical Partners (MCP). The Board of Commissioners recognized that to better position the 911 Center to meet the needs of the public and first responders with the appropriate resources, and advance towards Next Generation 911 (NG911), an assessment of current operations would be necessary. The primary goals of the analysis were to assess the 911 Center's current staffing, and review the current facility to determine whether expansion is feasible in order to accommodate additional staff, if needed. It was determined that Wayne County 911 Communications is understaffed and that the current facility has limited space for expansion to meet staffing needs. (A copy of the report is available upon request.) In 2016, however, the 911 Center added two call takers, who only answer emergency 911 lines and alarm lines.

As noted above, our primary goal is to improve the service provided to Wayne County's first responders and citizens. The objectives associated with this goal are as follows:

- Construct a new facility on county-owned property to house the 911 Center
- Install and upgrade necessary telephony, computer aided dispatch (CAD), and radio equipment to outfit the 911 Center, allowing personnel to fully process an emergency call from beginning to end

The County has already engaged an architectural firm, Stewart • Cooper • Newell (SCN), to design the new 911 Center and the design is complete. The facility, which will house Wayne County Emergency Services, of which 911 is a part, is 11,900 square feet, single story. Of this, 4,380 square feet is dedicated to 911 and 2,568 square feet is for other Emergency Services personnel. Shared spaces account for 4,952 square feet. Based on personnel numbers, 70 percent of the shared spaces is attributed to 911, approximately 3,466 square feet. As such, Wayne County 911's "share" of the facility is approximately 7,846 square feet. There is adequate space within the 911 Center space itself to support Duplin County in the future, should an interlocal agreement (ILA) be signed for Wayne County to serve as Duplin County's back-up.

Attachment 1 contains a breakdown of the 911 spaces.

A second goal of this initiative is to be able to provide the expected level of care to citizens seeking medical services. Currently the 911 Center does not use any protocols. As noted in MCP's report, "Protocols have become an integral part of modern day, emergency dispatch operations. Protocols reduce variance, ensure a continuity of care, reduce liability, standardize response decisions, and provide a basis for performance measurement and quality improvement efforts." Pre-arrival instructions have become a standard of care within the industry as well as a public expectation. The objectives associated with this goal are as follows:

- Implement emergency medical dispatch (EMD) protocols to provide the standard of care the public expects and deserves
- Obtain cardio-pulmonary resuscitation (CPR) certification and basic telecommunicator

certification
- Align operational configuration to MCP's recommended configuration, which requires a minimum of eight console workstations (plus additional staff)

Technology in use today will continue to be used in a new 911 center. It is anticipated that much of the technology needs will be able to be procured through existing and future 911 funds.

Although not part of this grant request, additional staff must be hired to improve the services provided to Wayne County as a whole. Beginning in Fiscal Year (FY) 2015–2016, Wayne County set aside monies to hire two additional personnel, with plans to hire two additional staff each year until MCP's recommended staffing is reached. It is anticipated that the additional personnel will allow for a power shift during peak hours to help alleviate our high abandoned call rate and assist in achieving call answering standards. This expenditure shows the level of commitment that the County has for the 911 Center and to improving the services it provides. In 2016, the 911 Center hired two call takers to help with emergency calls during peak times. The 911 Center has been unable to hire additional personnel due to lack of space and constraints within the current 911 Center configuration.

To assist in achieving our stated goals, Wayne County respectfully submits this grant request to the NC 911 Board.

Due to the formatting nature of the grant application, a copy of the grant responses has been provided in Attachment 9.

6. Please provide an implementation strategy and work plan, including a timeline.

As the grant request is for assistance to construct a new facility and associated technology, the Wayne County 911 Center will continue to operate within its existing framework during construction. This will ensure there is no disruption to call taking and emergency dispatch services.

A suitable location for a new facility has already been established; the property is located on Clingman Street, Goldsboro, on property owned by the County of Wayne. The project team has determined that this location will be able to offer the space, functionality, and security to meet the 911 Center's needs and the established requirements of the NC 911 Board.

Attachment 2 includes an aerial of the site.

Upon a grant award, a planning meeting will be held with MCP, our professional services consultant, to address the overall timeline in greater detail and further refine the scope of work (SOW). High-level tasks include the following:

- Bid construction (Months 1-3)
- Construct the new facility (Months 4-22)
- Install redundant facility systems and security (Months 19-22)

- Procure equipment for new facility (Months 14-20)
- Install new technology and workstations (Month 21)
- Attain substantial completion of new facility (Month 22)
- Commission the facility (Month 23)
- Address any facility punch list issues (Month 23)
- Obtain certificate of occupancy (Month 24)
- Test and accept mission-critical technology (Month 24)
- Transition Wayne County 911 staff to new facility (Month 25)
- Submit final documents to NC 911 Board (Month 26)
- Close out the project (Month 26)

The estimated timeline is just that, an estimate. Once the construction bidding process is complete, the timeline will be further refined. Due to the possibility of unforeseen issues arising, Wayne County 911, upon a successful grant award, would request 36 months to complete the project. This should prevent the County from having to request a grant extension.

The NC 911 Board will receive regular communications regarding updates on the various phases of our project.

7. ***Please identify the interface or compatibility between existing equipment and/or software and that which you intend to purchase.***

At this time, no compatibility issues have been found. There will be little to no infrastructure transfer due to equipment being replaced or upgraded/updated and still being under contract with current vendors. It is anticipated that the current vendors will remain. This project also builds on the significant investment already made by Wayne County for its radio system.

The 911 Center currently uses an Intrado Power 911® call handling solution that was implemented in September 2012. A Spillman Technologies CAD system solution was implemented in November 2017. The CAD solution is a multi-jurisdictional and multi-discipline call taking and dispatch system. Spillman's CAD solution is NG911-capable. The 911 Center uses an EXACOM logging recorder solution that was implemented in 2010, but is not redundant. The 911 Center is currently in the process of upgrading to an Eventide logging recorder solution, which is in the process of being installed by Carolina Recording Solutions. The new Eventide recorder has plans to be installed and in place by the end of June 2018. Public safety agencies in Wayne County operate on a Harris very high frequency (VHF) trunked radio system that was implemented in April 2011. While there are no operational issues, there have been coverage issues. The County upgraded the system to address these issues. The system currently has seven towers. The upgrades were completed in April 2015, and improved in-building coverage to 8 decibels (dB). There is also a guaranteed 95 percent service area reliability for outdoor portable radio coverage. The cost of upgrading the radio system was $3 million. Wayne County has invested considerably in 911 technology over the years.

8. ***The North Carolina Department of Commerce annually ranks the state's 100 counties based on economic well-being and assigns each a Tier Designation. The 40 most***

distressed counties are designated as Tier 1, the next 40 as Tier 2 and the 20 lest distressed as Tier 3. Please indicate you PSAP or group of PSAPs tier ranking based on the NC Department of Commerce 2018 Tier Designation.

Tier 2

9. ***Please identify funding priorities, their impact on operational services, and consequences of not receiving funding.***

To improve the service provided to citizens and first responders, and to meet industry standards and best practices, as well as expectations of the NC 911 Board, our staffing levels must be increased and our operational configuration re-aligned. Unfortunately, this is not possible in our current environment, which is unsuitable for expansion.

As noted in the earlier needs assessment conducted by MCP, the 911 Center is understaffed. According to several architects who have conducted walk-throughs of our facility, the current space is not suitable to be upgraded or renovated. Our current site is located in the middle of what is considered downtown Goldsboro. As the Downtown Goldsboro Development Corporation continues to revive the downtown experience, it has become a nuisance to conduct emergency communications operations. During the summer months, local bands perform in a parking lot less than 100 yards from the facility, with the stage facing directly towards the 911 Center. One of the County's EMS stations is located directly underneath the 911 Center. The bay door for the EMS station, the second busiest station in the county (averaging over 3,400 calls a year), vibrates the 911 Center. The center has no room for future expansion. The County hired SCN to design a new 911 Center. Final drawings have been completed. It is estimated that 7,846 square feet of the new facility is 911-related.

The backup power system at our current facility has failed on a few occasions within recent years. During one incident, the transfer switch for the generator became defective and we lost total power in our building. Due to budgetary issues, it took almost one full year before the defective transfer switch was replaced. During this time, if the facility lost power, it was the responsibility of the 911 shift supervisor to go outside and manually switch the transfer switch to gain generator power. This presented a very dangerous work environment. The uninterruptible power supply (UPS) that is currently in place has a power time of 45 minutes, which is with minimum utilization from the equipment within the 911 Center. A new UPS that can hold up to two hours of power and still have equipment performing at optimal speed will provide sustainability to continue effective operations during extended emergencies or disasters. These will all be replaced within the facility project.

The phone system was installed in September 2012. While the system is still relatively new, some of the equipment and software need to be upgraded. Wayne County intends to utilize the state's hosted call handling solution and upgrading to the ESInet system in the new 911 Center. The County will continue to operate on the Spillman CAD system. The radio equipment will be Symphony consoles by Harris. It is imperative for all systems to have the proper upgrades and updates to provide the highest quality emergency communications services.

EMD is also a priority, but without an increase in staffing and changes to our operational configuration, this will likely not occur. While the County plans to hire more telecommunicators, the space in the current center does not lend itself to additional staffing.

Without funding assistance, this project faces the very real possibility of being in jeopardy. The rising cost of construction has placed fear in many decision-makers' minds. The County has set aside $4 million for the facility project. However, the rising costs have slowed the process. Without funding help, the project will be put on hold again. This will only create more problems for our PSAP. While trying to accommodate extra personnel, the 911 Center will be a cramped and unpleasant work environment. EMD protocols will not be implemented. Abandoned call rates will likely continue to rise and our 10-second answer percentage for 911 lines will continue to suffer.

The priority for a new facility and updated/upgraded technology will not be met with current 911 funding. While the County has a nice fund balance, the bulk of the project is not eligible as a 911 expense. N.C.G.S. §62A 46., Fund distribution to PSAPs, denotes what is an eligible expense, and a facility and facility renovations are not eligible. In addition, our estimated 911 fund balance (as of June 30, 2016) is $1,674,710.91. It is anticipated that much of the technology for the new 911 Center can be procured using the current 911 fund balance. Our annual distribution only partially funds our eligible costs. For example, our FY 2018-2019 distribution is anticipated to be $548,512.92; whereas our eligible expenses for the same period are estimated at $628,785.00.

Attachment 3 contains the fund balance information. Attachment 4 contains the distribution letter.

Wayne County has recently renovated three schools and built two new schools. While this funding is from lottery proceeds and sales tax, Wayne County is responsible for the operational costs. In addition, Wayne County has funded a new jail at an estimated cost of $8.7 million. Wayne County also made a significant investment, an estimated $20 million, in an agriculture center in an effort to bring revenue and business into the area, as agriculture is the number one industry in the county.

10. Please provide a copy of your PSAP's long-term or strategic technology plan and identify how the project fits within it.

In 2003, Wayne County consolidated call taking and dispatch services for the entire county into one center; the identified need now is a new facility that will allow for staff increases to meet our needs and allow for industry standards and best practices to be met, including those of the NC 911 Board.

The goals of the IT strategic plan are as follows:

- Enhance the present level of 911 systems and improve the capabilities of the 911 system to integrate new technologies, devices and services that will provide improved collaboration between citizens and the 911 Center
- Upgrade/update CAD, telephony, radio, and consoles to include new number of workstations as well as increase redundancy and high availability

- Integrate NG911 technologies that will allow the 911 Center to "answer" emergency calls via text message
- Create a robust and survivable PSAP utilizing cutting edge technology in servers, workstations, switching, backups and displays

This project contributes to the plan by addressing several of the identified goals, such as the technology upgrades.

Attachment 5 is the Wayne County 911 Technology Plan.

11. Please identify the likelihood of completing the project utilizing your 911 fund balance and the percentage of grant funding being requested in relation to total project costs.

As mentioned previously, our estimated 911 fund balance is $1,674,710.91. The project cannot be completed with these funds as the greatest expense is ineligible and much more expensive.

Over the past four fiscal years, the Board of Commissioners has applied and enforced a 2.5 percent budget reduction for all County agencies, including the Office of Emergency Services, which houses the 911 Center. These budget cuts remain in effect today. Since the Board of Commissioners will not consider raising taxes to fund any capital projects, the County would have to incur debt to complete this project, which will likely not be approved. Without grant funding assistance, this project will not proceed at this time.

Wayne County respectfully requests funding assistance of $3,061,386.44 through this grant request, which represents 41.75 percent of overall project costs for the 911 portion of the facility. As mentioned previously, our estimated 911 fund balance, as of June 30, 2017, is $1,674,710.91. It is anticipated that the majority, if not all, of the technology costs (eligible) will be covered by the 911 fund balance. Of the $4 million set aside by the County, $3 million will be put towards the 911 portion of the facility.

No other funding sources have been identified.

23. Current 911 Fund Balance

The estimated fund balance is $1,674,710.91. The 2017 audit results have not been received.

24. Estimated June 30, 2017 911 Fund Balance:

$1,674,710.91 is estimated.

25. Amount Requested

$3,061,386.44

26. Total Project Cost

$7,331,987

27. List by line item planned expenditures.

In alignment with the project goals and objectives, grant funds are requested for the planned expenditures listed below.

- Facility Construction, including generator, automatic transfer switch, and manual transfer switch
- Radio Consoles and Back-up Radios
- NetClock
- Logging Recorder
- CAD System and Maintenance
- APCO EMD
- Workstation Furniture and Chairs
- Professional Consultant Services

Attachment 6 contains detailed vendor quotes for the requested expenditures. MCP estimated the cost for network infrastructure.

Attachment 7 contains the 2017-2018 PSAP budget.

CONSTRUCTION: $5,413,740

Facility Construction (911 and 70% of shared spaces only): Currently Wayne County 911 has outgrown its footprint within the County building. The facility design provides space for the 911 Center; support spaces, such as restrooms and kitchen; and office spaces. As the NC 911 Board is aware, construction costs have escalated in the last few years. This is primarily due to the rise in construction projects, shortage in workforce, and yearly inflation on labor and materials. The facility cost is estimated at $690 a square foot, for 7,846 square feet.

Generator: Pursuant to 09 NCAC 06C.0210(b), "Primary and secondary power sources shall be determined by the PSAP including the following provisions: … (4) Secondary Power Source. (A) The secondary power source shall consist of one or more standby engine-driven generators. ..." The request for a generator is to provide an independent and reliable power source in the event the primary power fails. It is anticipated that this will fall under the construction contract, but it may be cost effective to procure separately.

TECHNOLOGY: $1,446,107.00

Harris Symphony Dispatch System Configuration: $563,765
Back-up Radios: $164,975

Hardware and software for eight positions

Spectracom GPS Clock System: $17,314.60
Precisely times critical systems

Voice Logging Recorder: $67,729.23
Records phone lines and dispatch radio channels

Computer-Aided Dispatch (CAD) Hardware: $11,196.71
Includes hardware for eight positions
(Spillman CAD is a site license and there will be no additional fees for additional licenses)

CAD Maintenance: $47,926
Support for the CAD system

APCO EMD: $93,880
Needed to provide EMD to citizens in Wayne County; includes training, manuals, software and one year of technical support

Dispatch Consoles: $235,493.48
Furniture to house monitors, mice, keyboards, and central processing units (CPUs)

Chairs: $16,200.93
Ergonomic chairs that can withstand use for 24/7/365 (Miller quote)

Office Phones: $2,626.05
Office phones are needed to support 911 personnel

Network Infrastructure: $225,000
Network infrastructure provides for servers, racks, cabling, switches, storage, and other miscellaneous technological items.

PROFESSIONAL SERVICES MANAGEMENT: $472,140

Wayne County intends to hire MCP for project management and coordination of all components, to include grant reporting, procurement support, coordination between vendors and vendor oversight, transition planning and implementation for the length of the project. This estimate is based on similar work for other clients. This cost is the same as provided to Richmond County in 2015. Due to the complexity of the project, this fee is not subject to reduction based on the grant award as all components of the project remain the same, including technology procurements.

28. Provide a budget narrative that briefly explains the reason for each requested budget item.

Each component of this project is critical and must be accomplished for Wayne County 911 to realize its plan of a newly constructed, enhanced emergency communications center. The funding request requires prioritizing the requests; however, individually these requests will not result in a new, enhanced PSAP. There are interdependencies to each component: facility, radio, and technology. Adding additional dispatch consoles, for example, with CAD, telephony, and radio functionality, does not accomplish the intent of the grant request.

As previously stated, the primary goal of this project is to improve services to the citizens and first responders of Wayne County through construction of a new, enhanced emergency communications center. While construction has been a central topic of discussion for several years among Wayne County key decision-makers, the deficiencies experienced by the 911 Center, as noted throughout MCP's study (high attrition rate, high abandoned call rate, short- and under-staffed, call processing times) and the availability of this grant program have brought the need to the forefront. Regardless of any construction effort, Wayne County requires costly changes for an upgraded, enhanced facility. Enhancement of PSAP dispatch services and this grant program provide a unique opportunity to bring the construction discussion into the implementation phase. This is also an opportunity for Wayne County to upgrade telephony equipment, provide extra room and space for the hiring of additional personnel, and implement EMD as a service for the citizens of Wayne County. There is also space should Duplin County and Wayne County enter into an ILA for back-up services.

The facility needs for Wayne County's 911 Center is the driving factor and a priority for this funding request. Wayne County has a critical need for a new PSAP as the existing center is housed on the second floor of the Jeffreys Federal Building, an antiquated building with no room for expansion. The 911 Center has outgrown the current facility and has decided, with the consultation of an architect, a new, enhanced emergency communications center would be the most fiscally responsible method of gaining the needed space to accommodate additional personnel. As noted, the County has set aside $4 million for a new Emergency Services facility, with $3,000,000 towards the 911 portion of construction costs.

For Wayne County 911 to receive and process the call volume once EMD has been implemented, the CAD system must be upgraded with the EMD software, additional telephony positions must be installed, additional personnel must be hired to accommodate the increased workload, and all personnel will need to be trained on the new, upgraded equipment.

29. If the project will have ongoing expenses, such as monthly or annual recurring charges, identify those expenses by line item including the projected costs and the specific sources for future/long-term funding and demonstrate how the project will be sustained in the future without additional 911 Grant Program funding.

The capital costs requested within this grant program are anticipated to be costs incurred one-time or infrequently with plans to begin saving funding for future upgrades or replacement through ongoing anticipated 911 surcharges, where eligible.

The ongoing costs associated with this project will be for the maintenance and repair of equipment, as is currently the case. Eligible costs will be funded through our 911 fund distribution, and other monthly or recurring costs of maintaining the systems and facility are anticipated to be within the revenue capacity of the County.

Wayne County will request an amount equivalent to our prior years' operational budget for 911 as a base sum, and factor in the costs of two additional telecommunicators, as mentioned previously. When additional costing factors for the new facility are known, Wayne County 911 Communications will adjust its budget accordingly.

Attachment 8 contains expenditures for Wayne County 911.

30. Explain how your evaluation will measure the achievement of the goals and objectives identified in the Project Description with a timeline and milestones for meeting short, intermediate, and long term goals.

Upon grant award, the project plan (goal, scope and project timeline) will be further refined by the project committee with the assistance of our professional services consultant. County staff will work with our professional services consultant and vendors to communicate and document expectations of the scope of work, budget and timelines. A master schedule will be developed from individual component schedules to ensure alignment. From this, milestones will be identified and any dependencies noted. Any potential risks will also be identified and documented.

A single point of contact for the County will be utilized to coordinate all communications, activities and deliverables. Communications will occur in the form of bi-weekly, then weekly, conference calls and face-to-face meetings as appropriate; these meetings will be documented, shared and maintained in a central project file by our professional services consultant.

Progress reports will be based on measured progress of the project compared to the project plans, and will be part of discussions during project meetings. The measurement will be made by determining if the tasks, activities and milestones were successfully completed within the projected timelines. All required grant program reporting will be prepared with the assistance of our professional services consultant and approved by the project committee prior to submittal.

31. Describe how evaluations will be conducted, including performance parameters which must be met in order to meet acceptance criteria.

Following grant award, a project committee will be officially established comprised of the Assistant County Manager, the Office of Emergency Services Director, the IT Director, and the 911 Communications Manager; from this committee a primary point of contact for the County will be selected. Additional committee participation, such as from the Finance Department or Facility Services, will be added as appropriate. This project committee will work with the staff, vendors and MCP to evaluate each milestone activity for completion to the satisfaction of the contractual SOW. With the assistance of MCP, the project committee will oversee testing and acceptance plans for each project

component (e.g., facility, technology), as well as staff training; all results will be documented for the project files. Any milestone or cutover will not be accepted until the contracted results are proven within the designated period. Local and state code compliance, industry standards and contractual scopes will be monitored, documented and officially accepted by the committee.

Throughout the project, bi-weekly, then weekly, status calls and on-site monthly meetings (as appropriate) will be facilitated by MCP and attended by committee members. Professional services staff will prepare minutes from these meetings, which will be shared with attendees for concurrence within five days of the meeting.

During the construction and outfitting of the new facility, the project committee and project manager may identify risks and ways to mitigate identified risks, and will communicate same to the appropriate County officials and the NC 911 Board.

Monthly reports for the NC 911 Board will be prepared with the assistance of our professional services support and approved by the committee prior to submittal. Monthly reports will include the current status of all funded activities (e.g., construction, communications systems, and other activity), as well as documentation of all completed milestones, any project timeline changes, and upcoming tasks for the next reporting period. Interim reports will be provided upon request or if a risk is identified that will impact scope, schedule or budget.

Various stages of the project will require testing, whether it be during construction or technology implementation.

A third-party testing firm will be contracted to perform testing throughout the project as required, including a geotechnical assessment and concrete strength tests. The soils will need to be suitable for building a mission-critical facility. The concrete strength tests will ensure the concrete meets specified requirements.

Construction shall adhere to the latest version of the NC building codes, as well as those requirements from the NC 911 Board Rules, specifically 09 NCAC 06C .0210, *Public Safety Answering Point (PSAP) Facilities*, and .0402, *Grant for Construction or Renovation*. In addition, there are other standards that will be applicable during the evaluation phase. Electrical shall be per National Fire Protection Association (NFPA), *National Electrical Code (NEC)* [NFPA 70]. Portions of NFPA 1221, *Standard for the Installation, Maintenance, and Use of Emergency Communications Systems*, shall be applicable. Grounding shall adhere to Motorola R56 standards. These standards will be referenced when reviews are conducted.

Wayne County's local building inspector and the fire marshal will be involved in inspections. The architect's contracted engineering firm and MCP's subject matter experts will conduct periodic reviews. Building commissioning will be conducted by the building inspector and professional engineering firm, witnessed by the County. Commissioning will be per accepted industry practice and requisite standards.

Telecommunications Industry Association (TIA) and BICSI standards will be followed for the information and communications technology (ICT) infrastructure and structured cabling, as appropriate.

Technology vendors will be expected to provide acceptance test plans for review and approval by MCP and the County prior to actual testing and subsequent acceptance, when all tests have successfully been demonstrated or passed. The acceptance tests will be witnessed by MCP. The NC 911 Board will be provided copies of all test documentation.

As a rule, state codes, national standards, and best practices will be followed throughout the construction, commissioning, and acceptance of the facility itself and all associated technology.

32. Identify how data will be collected and presented.

All documentation produced during the project, including but not limited to draft and final design drawings, technology specifications, meeting minutes, project schedules, executed vendor contracts, and change orders, will be collected electronically, whenever possible, and manually when not. For those documents that do not lend themselves to electronic copies, a hard copy will be maintained by MCP, which will provide all relevant documentation to the County at the conclusion of the project.

All electronic files will be maintained by MCP in a central project folder that is accessible to County staff through an FTP site. The files will be organized by major project components, such as construction and technology, and further organized by individual components/tasks and tracking milestones. A separate file will be maintained for final deliverables. The project file will be maintained throughout the life of the project. During project closeout, a copy of all electronic final documents will be provided to the County on a USB drive. Any hard copies not in the County's possession will be turned over.

Wayne County would like to thank the NC 911 Board for the opportunity to submit this grant request. If the Board has any questions or requires clarification during the review process, please do not hesitate to contact us.

North Carolina 911 Board Grant Application

The 2019 Grant Application has been created in Microsoft Word for ease of completion. It is recommended that you download this application into Microsoft Word so that you may be able to enter, cut, paste and edit as needed. This application is NOT compatible with IPad, Apple products or apps. It requires 'Active X Interaction'.

There are no character limitations to the amount of data you can enter into a free text screen; once the visible field is full the data will begin to scroll. Do not submit an application until you are sure that you will not need to change it. Do not convert the application to a PDF format. Attachments must be submitted in either MS Word, MS Excel or Adobe pdf format and reference which question (ie: number) the attachment accompanies.

After an application is completed and submitted, it may NOT be modified by the applicant. If there are questions after the submission, the applicant will be required to contact and work with 911 Board staff to accomplish those modifications.

This is a competitive grant process. After the "General Information", there are 25 questions that must be answered by all applicants plus an additional 7 questions that must be completed for those agencies seeking a consolidation grant. Each of the 32 questions are weighted differently and scored. Scoring is based on the content of the answer to the question asked. Scoring is not based on the length of the answer.

Once completed, the application along with any accompanying documents must be emailed to 911comments@its.nc.gov . Applications will only be accepted via email. Any application received from the U.S. Postal Service, fax or other media will not be accepted. The deadline for filing is midnight, Friday June 15, 2018. If you have any questions, please contact Pokey Harris at pokey.harris@nc.gov or phone at 919-754-6621.

General Information

Project Title Tower Site Security and Back-up Power Enhancements

Grant Fiscal Year – 2019

Project Director Jeff Williford

Project Contact Jeff Williford

Project Contact Title Assistant Director

Address 1817 Glendale Dr SW

Wilson, NC 27893

Phone 252-237-8300

Email jwilliford@wilson-co.com

Three types of grants are available, as described below. In the box following these descriptions, please select the Grant Type which most appropriately fits your request.

- **Consolidation** - A consolidation project involves combining one or more PSAPs with a primary PSAP with an integrated management structure that serves the same populations and jurisdictions previously served by offering grant funding for both PSAP costs authorized under G.S. 143B-1406(e) and costs not authorized under G.S. 143B-1406(e) to include construction costs.
- **Individual PSAP Enhancement/Replacement** - the relocation costs of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.
- **Regional Initiative Enhancement/Replacement** - Regional initiatives are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such initiatives comprise projects involving two or more primary PSAPs or a primary PSAP with approved secondary PSAPs. Costs of relocation of primary PSAPs, or capital expenditures that enhance the 911 system, including costs not authorized under G.S. 143B-1406(e) and construction costs.

Grant Type ***Individual PSAP Enhancement/Replacement***

PSAP Name ***Wilson County Emergency Communications***

1. ***Has the Revenue/Expenditure Report for FY17 been completed and approved by the NC 911 Board Fiscal staff for the applicant PSAP?***

NO

2. ***Has the applicant PSAP implemented a plan and secured the means for 911 call-taking in the event 911 calls cannot be received and processed in the primary PSAP (backup plan)?***

YES

3. ***If the answer to #2 above is NO, please explain in detail why the plan has not been implemented?***

   Click or tap here to add text

4, Has the North Carolina 911 Board been notified that backup plan has not been implemented?

[Select]

Project Description

Required for all grant types, this should be a thorough, concise, and complete description of the proposed project.

5. Please outline project goals and objectives.

This project has three goals.
1) To better secure access to the tower site where our radio equipment is housed. There have been documented cases of trespassers on the property including a recent incident of a fire started on the property by trespassers. To accomplish this we propose adding a different type of gate at the main entrance of the property and adding additional fence to prevent unauthorized access to the property. We are also adding a camera at the main entrance that will allow us to monitor for unauthorized access. As a part of the new gate we will be adding remote and key fob access to allow us the ability to operate the gate remotely from our main center.
2) To make getting to the radio equipment at the tower safer when there are rains. The area around the tower floods when it rains making getting to the radio equipment by vehicle treacherous and often results in a vehicle stuck and needing assistance to get out. We propose paving the access road to the tower site to make access for repair and maintenance personnel safer and remove the possibility of a vehicle getting stuck when performing repairs or maintenance to our tower equipment.
3) To enhance the ability of our generators to provide necessary power should we lose our electrical utility service due to an extended outage. To accomplish this we propose adding a transfer switch to the generator at the 911 center that will allow us to connect an external generator owned by our local emergency management agency should our primary stand-by generator fail. In addition we are proposing the addition of remote monitoring capabilities to the generator at our tower site. Our tower site is located in a remote location, and although we make periodic site visits to check the generator there have been instances of alarms and resulting malfunctions occurring that may cause the generator to fail, that we had no knowledge of until our site visit. Our proposal is to add remote monitoring capabilities to the tower generator like the generator located at our primary 911 center.

6. Please provide an implementation strategy and work plan, including a timeline.
Upon approval we would immediately contact our vendors to schedule work. Our goal is to have all objectives completed within 4 months of approval of our grant request. Most of the work for our objectives can be completed by the various vendors simultaneously.

Within 10 days of notification of approval of our grant we will contact all vendors to schedule all work.

Within 45 days of notification of approval we anticipate work to be completed on the fencing, gate, remote control and key fob access for the new gate. During this time we will also be installing the camera to monitor the upgraded gate.

Within 60 days of notification of approval we anticipate work to be completed to install the remote monitoring capabilities at the tower generator. This phase would also include the installation of the transfer switch at the generator for the 911 center.

Within 120 days of notification of approval we anticipate the paving work to be completed.

7. Please identify the interface or compatibility between existing equipment and/or software and that which you intend to purchase.

The camera, remote gate operation, and key fob readers will tie into existing systems of like equipment. There are no compatibility or interface concerns.

Statement of Need

Required for all grant types, this statement should reference the relationship of the grant project to NCGS §143b-1407(b) and the current funding priorities established by the Grant Policy and

Procedures and include evidence of any financial need.

8. The North Carolina Department of Commerce annually ranks the state's 100 counties based on economic well-being and assigns each a Tier designation. The 40 most distressed counties are designated as Tier 1, the next 40 as Tier 2 and the 20 least distressed as Tier 3. Please indicate your PSAP or group of PSAPs tier ranking based on the NC Department of Commerce 2018 Tier Designation

Tier 2

9. Please identify funding priorities, their impact on operational services, and consequences of not receiving funding.

Our funding priorities are:

1) Upgrading the gate and access at the entrance to the tower property. Our tower site is a critical part of our ability to dispatch calls to our field units. There have been instances of trespassers target practicing on the property including using our radio equipment building as a target. We feel by upgrading our gate and access we can prevent unauthorized access to the property thereby preventing malicious damage to our equipment. Without grant funding we are not in a position to fund this at this time.
2) Paving the access road to the tower. During rains if we were to have an equipment failure there is a real threat of our service personnel being unable to access our equipment for repair or becoming stuck and having to leave a vehicle until the ground is dry. Paving this access road is not something we have funding to complete without a grant. There are two parts to the paving request, 1) repaving the entrance road, which is failing due to wear and tear and the gravel base shifting causing large ruts and cracking pavement, referred to by the paving company as alligatoring, and 2) paving what today is a dangerous, slick, muddy path from the entrance road to the tower. This path is where vehicles have become stuck or had to have assistance. When it rains this is the most dangerous part of accessing our radio transmitters. On the quote from S.T. Wooten they are listed as two separate line items.
3) Installation of the transfer switch at the 911 centers generator. The installation of the transfer switch gives us the ability to connect a secondary generator to our 911 center in the event our primary generator fails. We could rent a generator or use a mobile generator from another County department that would allow us to provide continuity of services from our primary center. Without funding it is unlikely we will be able to add this switch to our generator at this time.
4) Installation of the remote monitoring capability for the tower site generator. Being able to monitor our generator status in real time remotely would allow us to respond to potential problems with the generators before they become critical and possibly fail during a time of need. There is currently no money in our budget to pay for this upgrade without grant approval.
5) Installation of a camera at the main entrance to the tower site. This is an integral part of our upgraded gate and remote access capability for our tower site. The camera allows us to monitor for unauthorized access which allows us to be able to dispatch law enforcement when unauthorized persons access or attempt to access the tower property.

10. Please provide a copy of your PSAP's long-term or strategic technology plan and identify how the project fits within it.

We are in the process of updating our technology plan, however, this project does not fit within the plan.

11. Please identify the likelihood of completing the project utilizing your 911 fund balance and the percentage of grant funding being requested in relation to total project costs.

This project is not 911 fund balance eligible. As such, we are requesting 100% funding of the projects outlined here.

Regional Initiative Enhancement/Replacement

Required for all Regional Initiative Enhancement/Replacement project types. Regional initiative enhancement/replacement projects are regional approaches which provide for shared use of the components that support E-911, such as equipment, resources, and/or co-location of technology. Such projects may involve two or more primary PSAPs.

12. What is the relationship of participating PSAPs to the initiative? Provide MOUs between PSAPs identifying each participant PSAP's responsibilities to the project.

Click or tap here to enter text.

13. Identify intended collaborative efforts between participating PSAPs.

Click or tap here to enter text.

14. Identify how resource sharing will take place.
Click or tap here to enter text.

15. Indicate how the initiative impacts the operational or strategic plans of the participating agencies.
Click or tap here to enter text.

NOTE: *The following section on "Consolidation Project Plan" is ONLY required if your type of grant is a "Consolidation". If your project IS NOT a Consolidation, proceed to question # 23 to complete the grant application.*

16. Indicate how a consolidation would take place and improve service

17. Indicate how the consolidated PSAP should be organized and staffed
Click or tap here to enter text.

18. Indicate what services the consolidated PSAP should perform
Click or tap here to enter text.

19. Indicate how consolidated PSAP policies should be made and changed
Click or tap here to enter text.

20. Indicate how the consolidated PSAP should be funded exclusive of grant funding

Click or tap here to enter text.

21. Indicate what changes or improvements should be made to inter-communications among the local governments participating in the consolidation in order to better support operations.

Click or tap here to enter text.

22. Discuss sustainability of the consolidation project during the proposed term of the project, and for the foreseeable future.

Click or tap here to enter text.

FINANCIAL DATA

23. Current 911 Fund Balance

$481,842.39

24. Estimated June 30, 2017 911 Fund Balance

Our estimated June 30, 2018 911 fund balance is $570,073.63.

25. Amount Requested

$203,078.33

26. Total Project Cost

$203,078.33

Budget and Budget Narrative

A budget and budget narrative must be supplied for all types of projects, as well as a copy of the applicant agency's approved FY 2016 PSAP budget.

27. List by line item planned expenditures

Seegars	Fencing and gate	$9,574.00
Security 101	Remote access	$5,652.07
S.T. Wooten	Paving - repave entrance rd	$76,679.65
S.T. Wooten	Paving - pave tower path	$60,364.90
Gregory Poole	Annunciator for generator	$5,957.09
Gregory Poole	Transfer switch	$40,181.12
CVSI	Camera	$4,670.00

28. Provide a budget narrative that briefly explains the reason for each requested budget item.

1) Upgrading the gate and access at the entrance to our tower property. Our tower is located in a remote area. The current gate configuration is a post gate which prevents vehicle traffic but allows someone to walk around the gate to get on the property. We have a recurring problem with trespassers, one of which recently started a fire on our grounds and a past incidence of our equipment building being used for target practice.
2) Paving the acces road to the tower. The service entrance road is currently paved, but it was done so many years ago and the normal wear and tear as well as the shifting of the base has caused the pavement to fail. Without repaving the entrance road we expect the pavement to continue to deteriorate. Access to the tower and associated radio transmitters at present is by an unpaved path from the service entrance road. When it rains the path becomes very dangerous to travel as it borders a pond. Even if you can make it to the tower there are often times where the vehicle becomes stuck due to the soft ground. Paving the path would give vehicles solid ground they could maintain traction on.
3) Installation of a transfer switch at the primary PSAP's generator. If we suffered an extended power outage and our current generator were to fail, or if it needed to be offline for repairs, we would have no method to keep the primary PSAP up after the UPS batteries were drained. If we were approved to add the requested transfer switch we would be able to attach a generator owned by our emergency management agency or a rental generator and continue operations at our primary site.
4) Installing remote monitoring capability for our tower site generator. Without remote monitoring of our generators we are only able to react to a failure instead of being proactive by constantly knowing the status of our generator. This would allow us to make necessary repairs before suffering a power outage and generator failure disrupting our ability to dispatch calls via radio.
5) Installation of a camera at our main entrance at our tower. This part of the project goes hand in hand with the updated gate and remote access to the gate. The camera would allow us to constantly monitor the entrance to our tower site and prevent trespassers entering the property at that point thereby maintaining the integrity of our critical radio communications.

29. If the project will have ongoing expenses, such as monthly or annual recurring charges, identify those expenses by line item including the projected costs and the specific sources for future/long-term funding and demonstrate how the project will be sustained in the future without additional 911 Grant Program funding.

For the items included in this project there will be no monthly or annual recurring costs.

Evaluation

All applications must include evaluation information. The final report shall include an evaluation demonstrating that the equipment or services funded by the grant have been purchased, installed/implemented, and are performing as expected.

30. Explain how your evaluation will measure the achievement of the goals and objectives identified in the Project Description with a timeline and milestones for meeting short, intermediate, and long term goals.

We anticipate the project will be completed within 4 months of being awarded the grant. This includes the purchase, installation of all necessary equipment, and the paving.

Short term goals will be contacting the vendors to begin scheduling the work. We anticipate work to begin within 30 days of being awarded the grant.

Within 60 days of being awarded the grant our intermediate goals would be to have at least half of the projects nearing completion.

Our long term goal for this project will be measured by the completion of the project which we anticipate to be completed within 4 months of being awarded the grant.

31. Describe in detail how evaluations will be conducted, including performance parameters which must be met in order to meet acceptance criteria.

The project will be coordinated and reviewed by the Director or her designee. There will be vendor meetings and communication to ensure that installation is progressing on a weekly basis at minimum.

32. Identify how data will be collected and presented

Progress will be reported to the board on a monthly basis at minimum. The data associated with this project will be the receipt of equipment quotes, purchase orders, and equipment.

Once you are satisfied with your application, please email the completed application along with all attachments to 911comments@its.nc.gov The deadline for filing is midnight, Friday, June 15, 2018. **NO APPLICATIONS WILL BE ACCEPTED AFTER THAT DATE**

Once you have submitted the application including all necessary attachments, you will receive a reply email within 24 hours advising you that the grant application has been received. If you **DO NOT** receive the confirmation email within 24 hours, please contact Pokey Harris *pokey.harris@nc.gov* or call 919-754-6621

Budget Performance Report

Fiscal Year to Date 06/30/18

Include Rollup Account and Rollup to Object

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year Total
Fund **13 - EMERGENCY TELEPHONE SYSTEM FUND**										
REVENUE										
Department **4314 - ENHANCED 911**										
33157	NC 911 GRANT	.00	.00	.00	.00	.00	.00	.00	+++	48,185.00
34053	FEES	465,102.00	.00	465,102.00	38,758.55	.00	387,585.50	77,516.50	83	437,471.10
38101	INTEREST ON INVESTMENTS	750.00	.00	750.00	.00	.00	.00	750.00	0	1,828.50
39000	FUND BALANCE APPROPRIATED	340,616.00	.00	340,616.00	.00	.00	.00	340,616.00	0	.00
	Department **4314 - ENHANCED 911** Totals	$806,468.00	$0.00	$806,468.00	$38,758.55	$0.00	$387,585.50	$418,882.50	48%	$487,484.60
	REVENUE TOTALS	$806,468.00	$0.00	$806,468.00	$38,758.55	$0.00	$387,585.50	$418,882.50	48%	$487,484.60
EXPENSE										
Department **4314 - ENHANCED 911**										
41900	PROFESSIONAL SERVICES	93,900.00	.00	93,900.00	.00	.00	.00	93,900.00	0	72,756.34
42320	SUPPLIES	7,000.00	.00	7,000.00	.00	.00	1,547.12	5,452.88	22	.00
43110	TRAVEL	1,000.00	.00	1,000.00	.00	200.00	482.41	317.59	68	436.40
43520	REPAIRS TO EQUIPMENT	5,000.00	.00	5,000.00	.00	.00	2,931.58	2,068.42	59	3,979.68
43800	DATA PROCESSING SERV & EQUIP	16,752.00	456.00	17,208.00	.00	.00	17,208.00	.00	100	25,613.30
43950	TRAINING	10,000.00	(456.00)	9,544.00	.00	.00	6,065.00	3,479.00	64	4,680.00
44400	CONTRACTS/ MAINTENANCE	122,824.00	.00	122,824.00	.00	.00	91,478.64	31,345.36	74	88,629.14
44882	E911/DATA BASE PROVISON	196,484.00	.00	196,484.00	.00	(36,065.03)	187,237.16	45,311.87	77	196,484.00
45000	CAPITAL OUTLAY \EQUIPMENT	353,508.00	.00	353,508.00	.00	5,957.09	9,670.85	337,880.06	4	143,214.00
	Department **4314 - ENHANCED 911** Totals	$806,468.00	$0.00	$806,468.00	$0.00	($29,907.94)	$316,620.76	$519,755.18	36%	$535,792.86
	EXPENSE TOTALS	$806,468.00	$0.00	$806,468.00	$0.00	($29,907.94)	$316,620.76	$519,755.18	36%	$535,792.86
Fund **13 - EMERGENCY TELEPHONE SYSTEM FUND** Totals										
	REVENUE TOTALS	806,468.00	.00	806,468.00	38,758.55	.00	387,585.50	418,882.50	48%	487,484.60
	EXPENSE TOTALS	806,468.00	.00	806,468.00	.00	(29,907.94)	316,620.76	519,755.18	36%	535,792.86
Fund **13 - EMERGENCY TELEPHONE SYSTEM FUND** Totals		$0.00	$0.00	$0.00	$38,758.55	$29,907.94	$70,964.74	($100,872.68)		($48,308.26)
	Grand Totals									
	REVENUE TOTALS	806,468.00	.00	806,468.00	38,758.55	.00	387,585.50	418,882.50	48%	487,484.60
	EXPENSE TOTALS	806,468.00	.00	806,468.00	.00	(29,907.94)	316,620.76	519,755.18	36%	535,792.86
	Grand Totals	$0.00	$0.00	$0.00	$38,758.55	$29,907.94	$70,964.74	($100,872.68)		($48,308.26)

Carolina Video Security, Inc.

April 13, 2018

Mr. Joseph M. McLamb
Security Engineer
City of Wilson - Network Computer Response Team
Greenlight Broadband Services - Network Engineering Team
1800 Herring Avenue E
Wilson, NC 27893

Dear Joseph,

Per your request, this letter provides a quote for one (1) of the new PTZ outdoor cameras kits for the City of Wilson – 911 Tower Front Gate. These new outdoor camera solutions feature the AXIS P5635-E Mk II PTZ network camera with the latest technology including Full HD 1080P resolution, Wide Dynamic Range – Forensic Detail, Focus Recall, 30X Optical Zoom and Zipstream (for significant bandwidth reduction). CVSI has also updated the power equipment, surge protection and mounting hardware. These kits include a new universal pole mount that can fit any size pole.



Figure 1 - Outdoor Video Surveillance Kit with PTZ Camera

4425 Beryl Road
Raleigh, NC 27606
T 919-838-4960
F 919-882-8947
www.carolinavideosecurity.com

Carolina Video Security, Inc.



Figure 2 - Axis P5635-E Mk II Full HD PTZ Network Camera

Pricing – Video Surveillance Kit with PTZ Camera

Products / Services	Price
Outdoor Network Cameras • AXIS P5635-E Mk II / Outdoor Full HD Network PTZ Cameras / 1080P / 30X • Optical Zoom / PoE+ / Day-Night / Image Stabilization / WDR Forensic • Capture / ZipStream Enclosure and Power Equipment • AXIS T98A18-VE / Outdoor Equipment Cabinet • AXIS T91L61 / Gooseneck Mount • AXIS T91A57 / Pole Mount • PowerDsine PoE Midsnap / High Power with Integrated Surge Protection • AXIS Electrical Safety Kit with Secondary Disconnect and Surge Protection OnSSI / Ocularis Enterprise / Device License / Qty 1 Miscellaneous Material / Cable / Mounting / Seal	$ 4,295

4425 Beryl Road
Raleigh, NC 27606
T 919-838-4960
F 919-882-8947
www.carolinavideosecurity.com

Carolina Video Security, Inc.

Sub-Total	$ 4,295
Installation / Re-Location (Trip Charge and Bucket Truck)	$ 375
UNIT TOTAL	$ 4,670

Pricing Notes:

1. Customer will furnish one Ethernet Network Switch port and/or ONT switch port with network connectivity to the recording server and AC Service Junction box with in-use cover for each camera.
2. Customer will furnish IP address (static), subnet mask, gateway and DNS installation for each camera prior to installation.
3. CVSI installation includes use of CVSI Bucket Truck. Camera mounting heights not to exceed 30 FT AGL or Customer must furnish lift or provide an allowance for lift charges.
4. Pricing does not include NC Sales Tax. If applicable, will be added to the invoice.

Thank you for the opportunity to be of further service to the City of Wilson. Please feel free to contact me with any questions.

Sincerely,

Wm B Silvernail

Brad Silvernail
President

4425 Beryl Road
Raleigh, NC 27606
T 919-838-4960
F 919-882-8947
www.carolinavideosecurity.com

Gregory Poole Equipment Company

Power Systems Division

Quotation

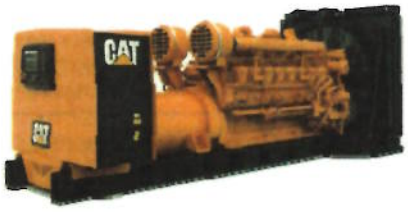
3201 Integrity Drive • Garner, NC. 27529 • Phone 800-447-3144 • Direct 919-755-7088 • Fax 919-755-7039 • www.GregoryPoole.com

Quotation No: E431430954

C064093
Wilson County
911 Radio Tower Commerce Road
Wilson, NC. 27893

Contact: **Ted Boswell**
Phone: **252-205-4894**
E-Mail: **tboswell@wilson-co.com**

Quote Date: **February 12, 2018**
Sales Rep: **Travis Skipper**
Phone No: **(919) 622-4816**
Email: travis.skipper@gregpoole.com



Gregory Poole will supply Parts & Labor for the following: *TDS*

Seq: 01 **4870954** **New Genertor Control Panel** **Unit ID#: 911 RADIO TOWER**

Scope of Work: Supply and Install New DSE7310 Control Panel to replace the original control panel.
To include all required wiring and programming of the new panel.
Any external wiring or conduit installation will be provided by others
Panel features
The DSE7310 is an Auto Start Control Module suitable for a wide variety of single, diesel or gas, gen-set applications.
Monitoring an extensive number of engine parameters, the modules will display warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LEDs, remote PC and via SMS text alerts (with external modem).
The module include USB, RS232 and RS485 ports as well as dedicated DSENet® terminals for system expansion.
Module is compatible with electronic (CAN) and non-electronic (magnetic pick-up/alternator sensing) engines and offers an extensive number of flexible inputs, outputs and extensive engine protections so the system can be easily adapted to meet the most demanding industry requirements.
The extensive list of features includes enhanced event and performance monitoring, remote communications and PLC functionality.
The module can be easily configured using the DSE Configuration Suite PC software.
Selected front panel editing is also available.

Job Price ..... **$5,957.09** **Job Total**
Includes Estimated Taxes

Total Estimate **$5,957.09**
Includes Estimated Taxes

Gregory Poole
Power Systems

Notes:

1. This proposal excludes any other repairs or parts replacement not included in this estimate
2. The service quoted is to be performed during regular business hours, unless specified in the estimate above
3. Excludes all applicable taxes, environmental fees and freight, unless specified in the estimate above
4. Quoted price assumes all cores receive full core credit unless specified in the estimate above
5. Excludes any Fuel Tank Testing or Fire Marshall Permits
6. Excludes any UL Testing or Recertification to Generator or Engine Permits or UL2200 updates

Terms and Conditions:

1. Pricing for the above estimate is valid for thirty days
2. Price is based on customer providing ready access to equipment for continuous, uninterrupted work. Any unusual delays not caused by Gregory Poole will be billed at the applicable Regular or Overtime Rates
3. Customer provides written notification of any site-specific safety practices prior to start of work that need to be included in this estimate for additional time for site entry or application related concerns (such as security). In the absence of site- Specific safety practices, Gregory Poole will follow the safety procedures in the Gregory Poole Safety Policy and Procedure Manual
4. Proposal must be approved, signed with Purchase Order (if required by your company), and returned to the location listed at the top of this quote before service work can be scheduled. Lead Times for scheduling may vary

PLEASE REVIEW YOUR SPECIFICATIONS TO BE SURE THAT THE APPARATUS DESCRIBED ABOVE MEETS YOUR REQUIREMENTS. This estimate covers such apparatus as described herein and does not constitute a job proposal. Telephone and verbal orders are to be confirmed in writing. We reserve the right to correct stenographic or clerical errors. Deliveries are subject to occurrences beyond our control.

AUTHORIZED SIGNATURE / PO NUMBER **BY GREGORY POOLE EQUIPMENT COMPANY**

_____ Date: _____

Gregory Poole CAT
Power Systems Division

Gregory Poole Equipment Company

Quotation

3201 Integrity Drive • Garner, NC. 27529 • Phone 800-447-3144 • Direct 919-755-7088 • Fax 919-755-7039 • www.GregoryPoole.com

Quotation No: E430186392

C005658
Wilson County
Po Box 1666
Wilson, NC. 27894

Contact: **Ted Boswell**
Phone: **252-205-4894**
E-Mail: **tboswell@wilson-co.com**

Quote Date: **October 10, 2017**
Sales Rep: **Travis Skipper**
Phone No: **(919) 622-4816**
Email: travis.skipper@gregpoole.com



Gregory Poole will supply Parts & Labor for the following: *TDS*

Seq: 01 **686392** **Manual Transfer Switch Assembly with Cam Locks** **Unit ID#: EMS 911**

Scope of Work: Supply and Install a Custom Manual Transfer Switch Assembly
1600 Amps
208 Volts
4-Poles / 4 Wire
Enclosure Rating / NEMA 3R
Neutral and Ground Bus included
Fusible
Includes (4) 1600 amp Class L
Fuses Installed
CAM Loks mounted and wired to
RIGHT hand side of enclosure
Male Receptacle 1201-1600 Amp
208-240 Volt
Cam Lock Style Installed and
wired to Switch
Receptacle will have Weather
Proof Flip Cover for protection
(4) Receptacle Phase A "Black"
(4) Receptacle Phase B "Red"
(4) Receptacle Phase C "Blue"
(4) Receptacle Neutral "White"
(1) Receptacle Ground "Green"
IEC Rated Only (Not UL Listed)
Form and pour new concrete pad to accommodate new switch equipment.
Pull back generator wiring to LB's and retrofit conduits feeding generator.
Cut conduits low to new concrete surface so to be able to set new switch over top of them.
Tie back in existing conduits to feed generator.
Pull new copper conductors from new switch through existing conduits into generator and terminate.
Rework low voltage charger and jacket heater circuit to feed generator outside the new cam switch.

Job Price ..... **$40,181.02 Job Total**
Excludes Estimated Taxes

Total Estimate **$40,181.02**

Excludes Estimated Taxes

Notes:

1. This proposal excludes any other repairs or parts replacement not included in this estimate
2. The service quoted is to be performed during regular business hours, unless specified in the estimate above
3. Excludes all applicable taxes, environmental fees and freight, unless specified in the estimate above
4. Quoted price assumes all cores receive full core credit unless specified in the estimate above
5. Excludes any Fuel Tank Testing or Fire Marshall Permits
6. Excludes any UL Testing or Recertification to Generator or Engine Permits or UL2200 updates

Terms and Conditions:

1. Pricing for the above estimate is valid for thirty days
2. Price is based on customer providing ready access to equipment for continuous, uninterrupted work. Any unusual delays not caused by Gregory Poole will be billed at the applicable Regular or Overtime Rates
3. Customer provides written notification of any site-specific safety practices prior to start of work that need to be included in this estimate for additional time for site entry or application related concerns (such as security). In the absence of site- Specific safety practices, Gregory Poole will follow the safety procedures in the Gregory Poole Safety Policy and Procedure Manual
4. Proposal must be approved, signed with Purchase Order (if required by your company), and returned to the location listed at the top of this quote before service work can be scheduled. Lead Times for scheduling may vary

PLEASE REVIEW YOUR SPECIFICATIONS TO BE SURE THAT THE APPARATUS DESCRIBED ABOVE MEETS YOUR REQUIREMENTS. This estimate covers such apparatus as described herein and does not constitute a job proposal. Telephone and verbal orders are to be confirmed in writing. We reserve the right to correct stenographic or clerical errors. Deliveries are subject to occurrences beyond our control.

AUTHORIZED SIGNATURE / PO NUMBER **BY GREGORY POOLE EQUIPMENT COMPANY**

_____ Date: _____

Quote

S. T. Wooten Corporation

P. O. Box 2408
Wilson, NC 27894
Contact: **David Fountain**
Phone: **252-373-2699**
Fax: **252-243-0900**

Quote To: Jeff Williford
Phone: 252-237-8300 Ext. 2230
Fax:
Email: jwilliford@wilson-co.com

Job Name: Commerce Road WWTP Access Road
Date of Plans: N/A
Revision Date: N/A

ITEM	DESCRIPTION	QUANTITY	UNIT		AMOUNT
1	ENTRANCE ROAD				
10	Mobilization	1.00	LS		
20	2" Milling (Tower Road)	2,460.00	SY		
50	Shoulder Construction	3,280.00	LF		
60	Proofroll	1.00	LS		
70	3" Tailgate ABC (Entrance Road)	2,460.00	SY		
90	2" S 9.5 B - SY	2,460.00	SY		
95	Manhole Adjustments	4.00	EA		
96	Seeding & Mulching	0.37	AC		
	TOTAL FOR ENTRANCE ROAD				**$76,679.65**
110	NEW TOWER ROAD				
115	Mobilization	1.00	LS		
120	Excavate 10" for New Road	365.00	CY		
125	Fine Grade Subgrade	1,375.00	SY		
130	8" ABC	1,375.00	SY		
140	2" S9.5B	1,375.00	SY		
150	Shoulder Reconstruction	1,065.00	LF		
155	Seeding & Mulching	0.12	AC		
	TOTAL NEW TOWER ROAD				**$60,364.90**
GRAND TOTAL					**$137,044.55**

NOTES:

1. Project owner shall provide S.T. Wooten Corporation with NC Lien information (LIENSNC.com) for this project.

2. The following qualifications and exclusions apply to this proposal:

- Site material is assumed to be of quality for construction of the site work. Undercut and backfill of unsuitable soils and/or Rock excavation, disposal, and backfill shall be deemed as extra to this proposal, by unit price for each.
- Surveying, layout, geotechnical testing and engineering is not included.
- All permits, fees inspections and bonds are not included.
- Densities for subgrade over or near structures or utilities other than those quoted shall be by others.

- No well pointing; Dewatering for quoted work only.
- Handling or removal and disposal of hazardous materials is specifically excluded. Proof in writing of asbestos inspection and/ or abatement must be provided prior to any required building demolition.
- Plowing and drying of in place material shall be deemed extra to this proposal.
- Cleaning or removal and replacement of stone or asphalt contaminated by others is not included.
- Prime coat and herbicide, insecticide, or any other pesticide or soil treatment of subgrade or ABC stone prior to paving, unless specifically included per attached proposal, is excluded.
- Power & communication wiring and conduit shall be by others.
- Pricing included herein is intended to be a single, lump sum bid. Price breakouts are given for convenience only, and are not intended as stand-alone prices.

3. This proposal includes one (1) mobilization. All work to be performed without phasing. Additional mobilizations will be billed at $2500.00 each.

4. S.T. Wooten will not be responsible for standing water in areas that are designed with less than a 2% fall.
Upon completion of work, S. T. Wooten Corporation shall not be responsible for damages caused by others.

Payment will be due upon presentation of billing/invoice.
Billings/Invoices become past due if unpaid thirty (30) days after billing/invoice date. Past due amounts are subject to a 1.5% per month finance charge. This is an annual rate of 18%.
In order to protect our interest in any billed amounts that are past due, a lien will be filed before the expiration of our lien rights, and may be filed any time an amount is past due.
If payment has not been received within sixty (60) days of billing/invoice date, through no fault of S.T. Wooten Corporation, then upon giving seven (7) days written notice, and without prejudice to and in addition to and in addition to any other legal remedies, S.T. Wooten Corporation may stop work until payment of the full amount owing has been received. The contract amount and time shall be adjusted by the amount of S.T. Wooten Corporation's reasonable and verified cost of shutdown, delay, and start up, which shall be effective by an appropriate change order.

ASPHALT NOTE: "This price is based on the NCDOT Monthly Terminal F.O.B. Asphalt Binder Price of $455.56 per ton for the month of May 2018. If the asphalt cement price fluctuates from this stated price at any time during the performance of work under this contract, S. T. Wooten Corporation has the right to adjust prices in accordance with the NCDOT Monthly Terminal F.O.B. Asphalt Binder Prices."
Asphalt Paving shall be installed as required by the NCDOT Standard Specifications for Roads and Structures (Section 610-4), as it relates to seasonal limitations and/ or temperature restrictions. Any work performed not in compliance with these specifications will void S.T. Wooten's implied one year warranty. Any corrective work caused by such deviations to NCDOT specifications will be done at the owner's expense.
This quote is based on the use of standard proctor density testing as described in ASTM D698.
All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alternation or deviation from above specifications involving extra cost will be executed upon written change orders, and will become an extra charge over and above the estimate. All agreements to be modified due to strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.
We thank you for the opportunity of submitting this quotation. Should it meet with your approval, please sign on the acceptance line and return the complete proposal to us. We will execute and return a copy for your files. Our proposal remains firm for thirty days.
Sincerely,
S. T. WOOTEN CORPORATION

David Fountain
Project Manager
Acceptance of Proposal
The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do work as specified. Payments will be made as outlined above.
Accepted By:

_____ Title _____ Date _____

_____ Title_____ Date _____

Note: This proposal may be withdrawn if not accepted within 30 days or credit not approved. Anyone who has not worked with S.T. Wooten Corporation in the last two years will be required to complete a credit application.

County of Wilson 9-1-1 Comm. Tower

Project Location
County of Wilson 9-1-1 Comm. Tower
2764 Commerce Road S
Wilson, NC 27893

2nd Gate Access Control

Proposal No: 92612.0
May 8, 2018

Prepared For
Mr. Jeff Williford
Assistant Director

Security101
Protecting People, Property & Profits

NC ASLB 2490-CSA, 31004-SP-FA/LV
3739 National Dr. Suite 129
Raleigh, NC 27612
NC - Alarm: NC ASLB 2490-CSA, NC - Low Voltage: 31004-SP-FA/LV

The data contained in all pages of this proposal has been submitted in confidence and contains trade secrets and/or privileged or confidential commercial or financial information. Such data shall be used or disclosed only for evaluation purposes, provided that if a contract is awarded to this proposer as a result of or in connection with the submission of this proposal, the Customer shall have the right to use or disclose the data herein to the extent provided in the contract. This restriction does not limit the customer's right to use or disclose data obtained without restriction from any source, including the proposer.

Security101 - Raleigh
NC ASLB 2490-CSA, 31004-SP-FA/LV
3739 National Dr. Suite 129
Phone: 855-968-7101
Fax: 919-371-0759
Website: www.Security101.com

May 8, 2018

Mr. Jeff Williford
County of Wilson 9-1-1 Comm. Tower
2764 Commerce Road S
Wilson, NC 27893

Re: Access Control Proposal

Dear Mr. Williford:

Thank you for allowing Security 101 the opportunity to present this Proposal for your consideration. This Proposal is based on our discussions, meetings, site surveys, and bid documents created by your organization.

Our company is uniquely qualified to provide the installation and service required for the above referenced security system. Security 101 has an established track record of installing and maintaining similar systems as well as meeting strict time schedules and budget requirements.

Our engineering and project management staff have worked together with me to create this Proposal. This team will be prepared to deliver your installation in an organized and professional manner. Our installation crews and service technicians will be uniformed, trained, and in company stocked vehicles.

In addition, upon completion of the installation, our service department staff will be ready to provide you with same day service utilizing our unique computerized dispatch system.

Finally, although most of the work to be done will be executed by other team members, I will be committed to monitoring the process and making sure that your system meets or exceeds your expectations.

Bobby Weathers
V.P. of Operations

bweathers@security101.com
Phone: 919-888-2110

Security101
Protecting People, Property & Profits

Scope of Work

Proposal 92612.0 2nd Gate Access Control

Access Control

Computer Stations

Computer Station #1: 911 Supervisor PC

Software Option #2	(1) DOORS.NET ADD. CLIENT SEAT LICENSE
Notes	Each PC that needs the ability to remotely open the gate will need a client license.

Panel Locations

Panel Location #1: Electrical Pole

Control Panel	(1) PXL-500 Single Door Controller
Power Supply - Control Panel	(1) Keri Panel Power Supply (no enclosure), 12VDC, 2.5amp
Batteries	(2) 12V 7AMP BATTERY
Other	(1) Materials: Miscellaneous materials, NEMA 4X enclosure provided by S101
Notes	Customer will need to provide network connectivity or cellular communications if they wish to communicate with the system remotely. Customer will need to provide 110v power in the communications closet. Customer will need to provide raceway from the building to the gate and from the gate to the reader pedestal. Customer will provide gate and gate operator.

Vehicle Entrances

Vehicle Entrance #1: Gate Entrance

Vehicle Long Range Reader IN	(1) SUPER STAR MEDIUM RANGE READER
Local Power	(1) Existing or customer supplied.
Reader Pedestals	(1) GOOSE NECK PEDESTAL
Surge Suppression	(2) 3 PAIR TERMINAL STRIP 15 VOLTS
Locks	(1) Existing or customer supplied.
Other	(1) Additional Part: 120/240 VOLT HARD WIRE 3W + GND
Other	(1) Additional Part: 2 PR 5V HYBRID MOD PLUG W/BASE
Notes	Customer will need to provide raceway from the building to the gate and from the gate to the reader pedestal. Customer will provide gate and gate operator. Customer will need to provide all 110V power required to operate system.

Security101
Protecting People, Property & Profits

Equipment List

Proposal 92612.0 2nd Gate Access Control

Qty	Description	Unit Price	Discount	Net Price	Tot
1	120/240 VOLT HARD WIRE 3W + GND	92.73	9.27	83.46	83.4
2	12V 7AMP BATTERY	24.48	2.44	22.04	44.0
1	2 PR 5V HYBRID MOD PLUG W/BASE	117.23	11.72	105.51	105.5
2	3 PAIR TERMINAL STRIP 15 VOLTS	66.48	6.64	59.84	119.6
1	DOORS.NET ADD. CLIENT SEAT LICENSE	502.23	50.22	452.01	452.0
1	GOOSE NECK PEDESTAL	209.98	20.99	188.99	188.9
1	Keri Panel Power Supply (no enclosure), 12VDC, 2.5amp	125.98	12.59	113.39	113.3
1	PXL-500 Single Door Controller	1,028.98	102.89	926.09	926.0
1	SUPER STAR MEDIUM RANGE READER	582.73	58.27	524.46	524.4

Total: 2,557.6

Security101
Protecting People, Property & Profits

Financial Summary

Proposal 92612.0 2nd Gate Access Control

BILLING ADDRESS	PROJECT LOCATION
County of Wilson - ECC 1817 Glendale Dr. SW Wilson, NC 27893	County of Wilson 9-1-1 Comm. Tower 2764 Commerce Road S Wilson, NC 27893

Grand Totals:

Description	Price	Discount	Net Price
Installation Labor	1,401.25		1,401.25
Equipment	2,841.78	-284.17	2,557.61
Materials	1,281.29	-119.00	1,162.29
Warranty	173.52		173.52
Total Investment	5,697.84	-403.17	5,294.67
Tax:			357.40
Total with Tax:			5,652.07

Thank you for your business!

Security101
Protecting People, Property & Profits

Terms and Conditions

Proposal 92612.0 2nd Gate Access Control

Limited Warranty; Exclusions and Disclaimers

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THOSE SET FORTH ON THE FACE HEREOF

1. To the extent not otherwise warranted pursuant to an applicable manufacturer's warranty, Security 101 warrants all Equipment and installation labor rendered as part of the Work against defects in materials and labor for a period of twelve (12) months (the 'Warranty Period') from the date of substantial completion of the installation; provided, however, no warranty is made as to, and there is specifically excluded from the warranty, any and all expendable supplies, equipment and parts, or any portions of the Work which have been misused, abused, not used in the manner intended, neglected, or damaged by an act of God or altered, modified, or manipulated in any manner by Customer or a third party. Any defect in the installation during the Warranty Period will be repaired or replaced at the option of Security 101. Any shipping charges in connection with a repair or replacement shall be the responsibility of Customer. The repair or replacement of defective materials or labor shall constitute Customer's sole and exclusive remedy against Security 101. This warranty includes service during standard business hours and shall remain in force provided that the monthly payments are made on time. Failure to make monthly payments on time shall result in cancellation of the materials and labor warranty and termination of the Warranty Period from the time of payment default.
2. Security 101 MAKES NO OTHER OR FURTHER WARRANTY WITH RESPECT TO INSTALLATION LABOR, MATERIALS AND EQUIPMENT OR ANY OTHER PORTION OF THE WORK OTHER THAN THE FOREGOING WARRANTY AND SPECIFICALLY DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
3. IN NO EVENT SHALL Security 101 BE LIABLE TO CUSTOMER OR ANY THIRD PARTY FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, OR PUNITIVE DAMAGES OR FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY OR ANY OTHER CAUSE AS A RESULT OF A DEFECT IN LABOR, EQUIPMENT OR OTHER SUPPLIES OR MATERIALS WITH RESPECT TO ANY ITEM FURNISHED UNDER THE AGREEMENT, MALFUNCTION OR NONFUNCTION OF ANY SYSTEM, WRONGFUL PERFORMANCE OF OR FAILURE TO PERFORM ANY ACTS INCLUDED IN THE WORK, TRANSPORTATION DELAYS OR BREACH OF WARRANTY.
4. Customer acknowledges that no warranty, representation, or statement by any representative of Security 101 not stated herein shall be binding. This writing, and the document or documents attached hereto or of which this writing is a part, if any, constitutes the final expression of the parties' agreement and is a complete and exclusive statement of the terms of the Agreement.

Limitation of Liability

5. The parties understand and agree that: (a) the Work is intended to constitute or be part of a security system designed to reduce risk of loss for the Customer; (b) Customer has selected, accepted and approved the Scope of Work after considering and balancing the levels of protection afforded by various types of systems and services available to it and the related costs of them; (c) neither Securit 101 nor any person engaged by Security 101 to perform any portion of the Work shall be construed to be an insurer of the person or property of Customer, its employees, agents, contractors, assigns, customers, invitees or any other person at the location(s) where the work is performed (the "Location(s)"; (d) the Price and Payment Terms are based solely on the cost and value of Security 101 providing the Work and are unrelated to the value of property of Customer or others located at the Location(s); (e) the Price and Payment Terms do not contemplate any payment being made or consideration being given to Security 101 for any guarantee, warranty or insuring agreement by any one or more of them to Customer with respect to the person or property of anyone; (f) Securit 101 MAKES NO GUARANTEE OR WARRANTY OF ANY KIND THAT THE WORK (INCLUDING ANY MATERIALS AND EQUIPMENT SUPPLIED AS PART OF THE WORK) WILL AVERT OR PREVENT OCCURRENCES OR CONSEQUENCES THEREFROM WHICH THE WORK IS DESIGNED TO DETECT OR AVERT.
6. Notwithstanding the foregoing provisions of this Section or for whatever reason, Security 101 should be found liable for personal injury or property loss or damage caused by a failure to perform by Security 101 or the failure of any materials or equipment in any respect whatsoever or a court of proper jurisdiction determines the limitations on warranties are inapplicable, Customer agrees that the aggregate liability of Security 101 under or with respect to the Agreement, the Work to be performed under, and any warranty provided pursuant to, the Agreement, shall be limited to a sum equal to the lesser of (i) one-tenth (1/10) of the total Price to be paid by Customer under the Agreement, (ii) if the Price is to be paid in monthly payments or installments (other than progress payments), an amount equal to six (6) monthly payments, or (iii) Five Hundred Dollars ($500.00), and this liability shall be exclusive, and that th provisions of this subsection shall apply if loss or damage, irrespective of cause or origin, results directly or indirectly to persons or property, from performance or nonperformance of the Work, from breach of warranty, or from negligence, active or otherwise of Security 101.

Indemnification

7. When Customer ordinarily has the property of others in its custody, or the Work extends to the protection of the person or property of others, Customer shall indemnify, save, defend and hold harmless Security 101from and against all claims brought by parties other than the parties to the Agreement. This provision shall apply to all claims regardless of cause, including the performance or failure to perform by Security 101, and including without limitation, defects in products or system design, installation, repair service, monitoring, operation or non-operation of materials or equipment, whether based upon negligence, active or passive, express or implied contract or warranty, contribution or indemnification or strict or product liability; provided, however, Customer shall have no duty to indemnify in the case of gross negligence or willful misconduct by Security 101, its employees, agents or assigns. Customer agrees to indemnify Security 101 against, and to defend and hold Security 101 harmless from any action for subrogation which may be brought against Security 101 by any insurer or insurance company or its agents or assigns including the payment of all damages, expenses, costs and reasonable attorney's fees.

Design Development, Programming, Drawings, Ownership, and Software License(s)

8. Design Development. Customer and Security 101 have together developed or will develop the design and specifications for the Work. When Customer has accepted or approved the design and specifications, the sole and final responsibility for the design and specifications shall be Customer's. Security 101 shall have no liability to Customer for any loss or damage claimed against or incurred by Customer or any employee, agent or licensee of Customer because of any defect or alleged defect in the design or specifications or the failure of the equipment or the Work to perform as desired or anticipated by Customer.
9. Programming. Security system programming is an essential element of the systems operation and performance. Customer acknowledges and agrees that security system programming is an ever-changing process, and in significant part subject to Customer's day-to-day and other business operations and parameters and the changes or modifications to them. To the extent

required by the design and specifications of the Work, Security 101 shall:

(i) Load a configuration program that will allow Customer's security system to perform basic access control operation, door timers, lock timers, and basic alarm functions; and

(ii) Provide a total number of hours of personnel training regarding Customer's security system as specified in the Agreement; if a number of hours is not specified, the total number of hours of training shall not exceed four (4). Personnel training may include training of operators, administrators, or other personnel designated by Customer. Training subjects shall be dictated by Work specifications but may include password configuration, door identification, timers, alarms and reports. Additional training, programming or related consulting services provided by Security 101 at Customer's request shall be provided at an above contract cost.

10. Drawings:

    (i) To the extent required by the design and specifications of the Work, Security 101 shall provide reasonable descriptions of the functional operation of the system(s) being provided by the Work by furnishing riser diagram drawings.

    (ii) Security 101 may provide, at Customer's request and at an above contract cost, detail drawings utilizing industry standard electronic floor plans.

11. Ownership. Prior to completion of the Work, any drawings, specifications and equipment lists developed in connection with the design for the Work shall remain the property of Security 101 whether the Work for which they were made is executed or not. Drawings, specifications and equipment lists shall be returned to Security 101 on demand at any time prior to substantial completion of the Work. Prior to substantial completion of the Work, any drawings, specifications and equipment lists: (a) shall be considered confidential information and trade secrets of Security 101 unless they constitute information which is exempted or excluded by law from confidential and trade secret status; (b) shall not be used by Customer on other projects or extensions of a project included within the Work, or to obtain other bids, except by agreement in writing and with appropriate compensation to Security 101 ; and (c) are not to be reproduced in whole or in part without prior written consent of Security 101. Upon substantial completion of the Work and final payment in full by Customer, ownership of drawings, specifications and equipment lists shall become Customer's.
12. Software License(s). Software required to operate systems are governed by the License Agreement provided by the system manufacturer(s).

Access Control

13. All Door(s) and associated door hardware are not included, unless specifically identified in the scope of work and/or equipment list.
14. Coring of new or existing doors required for electrified locking hardware is not included, unless specifically identified in the scope of work.
15. Modification of any new or existing fire doors is not included. Additional charges may apply if SECURITY 101 is requested to perform such work.
16. Proper door alignment and mechanical operation is the responsibility of others.
17. Programming and configuration of your microprocessor and/or CPU is included, excluding loading the database. It shall be the responsibility of the Customer to load the data base which involves defining access levels, time zones, personnel data, programming maps, defining alarm messages and instructions, along with the input of any user defined data. Individual cardholder input and definition is also excluded.
18. Access control cards are not included, unless specifically identified in the scope of work and/or equipment list.
19. Access control system computer UPS is not included unless specifically identified in the scope of work and/or equipment list.
20. FIRE ALARM RELEASE - It the responsibility of the customer and the fire alarm service provider for this site. Any permits required in accordance with the fire alarm system or release shall be obtained by the fire alarm service provider.

Acceptance

Proposal 92612.0 2nd Gate Access Control

For the amount of **5,294.67** (plus tax of 357.40)
This proposal dated May 8, 2018 is valid until July 8, 2018

The person or persons below represent that they are authorized to sign and execute this binding agreement. This acceptance indicates understanding of the complete proposal, including clarifications, design, programming, drawings, ownership and software licenses and the Warranty Service Plan, if included as a part of this proposal. This system proposal is intended to provide the customer partial protection of the designated premises. Its design should be understood to represent a compromise between the costs, understood scope of work and customer feedback. Accordingly, such a system may not provide ample protection from all possible threats, and Security 101 shall not be responsible in such an event.

Payment Terms

100% upon Job Complete

Under no circumstances may the customer make payments directly to any subcontractor, material supplier, laborer or any other person performing work or furnishing material under the Agreement without the prior written consent of Security 101.

Security 101 may assign this Agreement to any other person, firm or corporation without notice to or approval by the customer and may subcontract any activities which may be performed under this Agreement, either voluntarily or by operation of law, without the consent of the customer.

Licenses

NC - Alarm: NC ASLB 2490-CSA, NC - Low Voltage: 31004-SP-FA/LV

County of Wilson 9-1-1 Comm. Tower	Security101 - Raleigh
Authorized Customer Signature (date)	Authorized Security 101 Signature (date)
Printed Name	Printed Name
Title	Title
Purchase Order Number	

E-589CI Affidavit of Capital Improvement

Form E-589CI, Affidavit of Capital Improvement, is generally required to substantiate that a contract, or a portion of work to be performed to fulfill a contract,is to be taxed for sales and use tax purposes as a real property contract with respect to a capital improvement to real property.

- This affidavit may not be used to purchase building materials, other tangible personal property, or digital property to fulfill a real property contract exempt from sales and use tax.
- A person who willfully attempts, or a person who aids or abets a person to attempt in any manner, to evade or defeat a tax imposed by the Sales and Use Tax Laws, or the payment thereof, shall be guilty of a Class H felony. If there is a deficiency or delinquency in payment of any tax due to fraud with intent to evade the tax, there shall be assessed a penalty equal to 50% of the total deficiency.

Section I. Single Use (Complete this section to issue the affidavit for a single capital improvement.)

A — Owner, Tenant, or Real Property Contractor

County of Wilson

Address: 1817 Glendale Dr. S. W.

City: Wilson | ST: NC | ZIP: 27893

B — Real Property Contractor (General Contractor or Subcontractor)

SEEGARS FENCE COMPANY, INCORPORATED OF ROCKY MOUNT

Address: PO Box 1558

City: Rocky Mount | ST: NC | ZIP: 27802

Describe capital improvement to be performed:

New Fence Installation

Project Name: 6' chainlink

Project Address: 2764 Commerce Rd. Wilson NC 27893

City: Wilson | ST: NC | ZIP: 27893

I certify that, to the best of my knowledge, this affidavit is accurate and complete and that the transaction described to be performed by the Real Property Contractor (General Contractor or Subcontractor identified in box "B") shall be treated as a real property contract with respect to a capital improvement to real property for sales and use tax purposes.

Signature of Authorized Person: _____ Title: _____ Date: _____

Section II. Blanket Use (Complete this section execute a blanket affidavit.)

C — Real Property Contractor

Address

City | ST | ZIP

D — Real Property Contractor or Subcontractor)

Address

City | ST | ZIP

To be completed by the Real Property Contractor identified in Box C.

I certify that I am a Real Property Contractor who performs capital improvements to real property and all transactions with the real property contractor (subcontractor) identified in box "D" shall be treated as real property contracts with respect to capital improvements for real property for sales and use tax purposes.

Signature of Authorized Person: _____ Title: _____ Date: _____

SEEGARS FENCE COMPANY
SERVING THE MID-ATLANTIC SINCE 1949
SPIRIT
SERVICE PROFESSIONALISM INITIATIVE RELATIONSHIPS INTEGRITY TEAMWORK

Celebrating over 65 Years!

PO Box 1558
Rocky Mount, NC 27802
Phone:252-977-1818
Fax:252-977-7663

CHAIN LINK · WOOD · ORNAMENTAL · PVC · ACCESS CONTROL · CUSTOM FABRICATION

Proposal Submitted To:	Date	Bid # RMRM08014
County of Wilson Attn: Jeff Williford jwilliford@wilson-co.com	05/17/2018 Job Name 6' chainlink	
Street: 1817 Glendale Dr. S. W.	Job Location 2764 Commerce Rd. Wilson NC 27893	
City, State, and Zip Code Wilson , NC 27893	Fax Number --	Job Phone 252-237-8300

We hereby propose the following work: Page 1 Of 2

Furnishing and installing approx.62 linear feet of 6'x9 gauge galvanized chain link fence with one 4' gate and one 18' cantilever gate withone commercial High Traffic operator, photobeam,42" gooseneck stand with keypad, free exit,
$9,574.00
Note: Price includes removing the existing gates.

Initial:

Continued on Page 2 ....

Thank you for considering Seegars Fence Company for your fencing needs. We appreciate this opportunity. In order to expedite this project, we would like to make you aware of a few very important details:

1. Underground Wires and Public Utilities:

Seegars Fence Company will call underground locators for you. The locators generally mark all public utilities. If you have any "private" undergrounds you must inform our installers prior to digging. "Private" undergrounds include but are not limited to cables running to pools, satellite disks, storage buildings, sprinkler systems, wells, septic tanks, etc. Hopefully, this will prevent needless repair bills for you.

2. Property Lines:

It is very important to have your property lines clearly marked. Our experience has taught us that it is not wise for you to guess about your property lines. If you have ANY doubt, we suggest that you employ a surveyor. It is normal practice for Seegars Fence Company to install your fence anywhere between 6 to 8 inches inside of your property line to avoid property disputes. If you the customer would like fence installed any closer than that it will be the responsibility of the property owner to show us where you would like the fence installed. Note: If any fence has to be re-located due to property line disputes it will be the responsibility of the property owner to pay to have the fence re-located. Your approval for fence location will be required.

3. Clearing Fence Lines:

Fence lines should be clear of all obstructions and debris prior to our arrival unless you have discussed removal with your Estimator/Project Manager. Extra charges may apply if we are required to clean your fence lines in order to install your fence.

4. Rock or Buried Obstacles:

Unless discussed with you by your Estimator/ Project Manager, your fence price does not include drilling/digging through rock or any other material that may require heavy equipment. When such obstacles are encountered, it may be necessary to adjust your fence layout or post spacing.

5. Restrictions and Permits:

Some areas we service have special restrictions related to fencing and also require permits in order to install a fence. In most cases these restrictions and permits are required within a city's planning and zoning area. For instance, most cities limit the height of your fence to four feet tall in your front yard and six feet elsewhere. It is your responsibility to contact your zoning officer to see if you must obtain a permit or if any special restrictions may apply. If you live in a subdivision it is your responsibility to learn of any covenants.

6. Construction:

Fences are usually graded to the overall contour of the job site. Sharp hills or dips may result in the fence being on the ground, in the ground, and sometimes above the ground. Gates in sloping areas may cause some opening under them. Please discuss ANY possible concerns with your Estimator/ Project Manager in advance.

7. Wood Fencing:

Any treated wood is subject to some degree of warpage, splitting, and cracking following installation. Inasmuch as we have no control over the above, the extent of our warranty concerning warpage, splitting, and cracking is to provide replacement boards or posts to you the customer. Our warranty does not include providing labor to replace such except those identified within 10 days following our final day of installation.

In submitting this proposal, it is assumed that there is no underlying ROCK or concrete on the property which will necessitate drilling or blasting, or any other unusual conditions involving extra labor in the erection of this fence and that the fence right of way will be marked by the owner or general contractor and will be clear, graded, and ready to receive the fence. If any of the above conditions are encountered, or any additions or changes are made by the customer, additional charges will be made at current market prices. It shall be the responsibility of the owner to advise workers of the location of any underground cables, lines, etc. If such are not marked properly, the owner assumes responsibility for them. Should an account not be paid as agreed, any cost of collection including interest and attorney's fees, etc. shall be paid by the customer.

Payment to be made as follows:

No Deposit Balance Due Upon Completion

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to industry practices. Any alteration or deviation from above specifications involving extra costs, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Worker's Compensation and General Liability Insurance.

Acceptance of Proposal- The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above. If proposal is submitted to a tenant of rental property, then the tenant represents that they are the authorized agent for the owner for the purposes of the contracted improvements to real property and is duly authorized to sign this contract. To Accept ths proposal, please provide your initials at the bottom of Page 1 and sign/date Page 2.

Proposed By: *Scott Gardner*

Customer Acceptance: _____

Date: _____

Note: This proposal may be withdrawn if not accepted within 10 days

Tab 8

Education Committee Report

Jimmy Stewart

Tab 9

Technology Committee Report

Jeff Shipp/Gerry Means

Tab 10

Standards Committee Report

Donna Wright

Tab 11

Finance Team Report

Marsha Tapler/Danette Jernigan

Tab 12

Network Analyst Report

Tina Bone

Tab 13
Other

Adjourn

UPCOMING BOARD MEETING

December 6 – 7, 2018 (Work Session and Board Meeting)

Previously scheduled location no longer available due to hurricane damage. New facility being secured.

Notifications will be made to coordinate lodging.

UPCOMING COMMITTEE MEETINGS

Phillips Building Training Room, 109 East North Street, Raleigh

- Funding Committee – November 14th
- Education Committee and TC Training Certification Summit - TBD
- Standards Committee – TBD
- Technology Committee – TBD

NC DIT
911 Board