



NORTH CAROLINA

Department of Transportation



SMAC Update

July 14th, 2021

NCDIT-T GIS announcements

- New GIS Manager:
 - Eric Wilson: egwilson1@ncdot.gov
 - Effective 6/28/2021
 - Over 25 years in GIS
 - 14 years in Private Sector
 - 11+ years in Public Sector
 - Have been working at NCDIT-T 4 years, 3 as a consultant on Project ATLAS, 1 Year as ATLAS Team Lead

Additional Updates

- Review of Roadway Centerline GIS Data Requirements
 - Still underway
 - Will present findings to SMAC, including Local Government feedback
- Intersection Inventory
 - NCDIT-T Tiger Team is actively meeting and researching methods and software
 - Goals: Ensure the DOT intersections support Federal and State statutes, mandates, and reporting requirements
 - Initially driven by traffic safety, Model Inventory of Roadway Elements (MIRE), now additional requirements are coming from Long Range Planning and NC CRIS (eCrash Replacement)
- Drone Deploy is now in place within Aviation in preparation for Hurricane Season
- Tableau Wolfpack Team actively working on certified data and visualization
- Project ATLAS is actively publishing more data that is available with an NCID

Project ATLAS Data

- New ATLAS Data
 - BikePed Crash Risk Factor Summary
 - Threatened and Endangered Species Predictive Modeling Layers
 - Places of Interest (Driven out of SPOT P6)
 - Wind Driven Water Levels
 - Hydrography Layer updates
 - Additional Hydrography schema updates are coming
 - Statewide raster map of NRCS Soils Maps is coming soon
- Metadata:
 - <https://xfer.services.ncdot.gov/gisdot/AtlasMetadata/>
- Data:
 - <https://gis23.services.ncdot.gov/arcgis/rest/services/AtlasMapServicesStatic>

Transportation Framework

- 2nd quarter data release – May 10, 2021
- 3rd quarter data release – August 9th, 2021
 - <https://ncdot.maps.arcgis.com>
 - <https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx>
 - Includes:
 - Road centerlines with major asset data by segment
 - Rail network, crossings and stations
 - Structure data – bridges and major signage