



# NORTH CAROLINA

Department of Transportation



# SMAC Update

October 13, 2021

# Transportation Framework

- 3<sup>rd</sup> quarter data release – August 9, 2021
- 4<sup>th</sup> quarter data release – November 8, 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

# Transportation Framework - Aviation

NCDOT Division of Aviation Airports



NCDOT Division of Aviation Airports

Web Map by [Aviation.NCDOT.GOV](#)

Created: Jul 17, 2019 Updated: Aug 19, 2020 View Count: 527

### Description

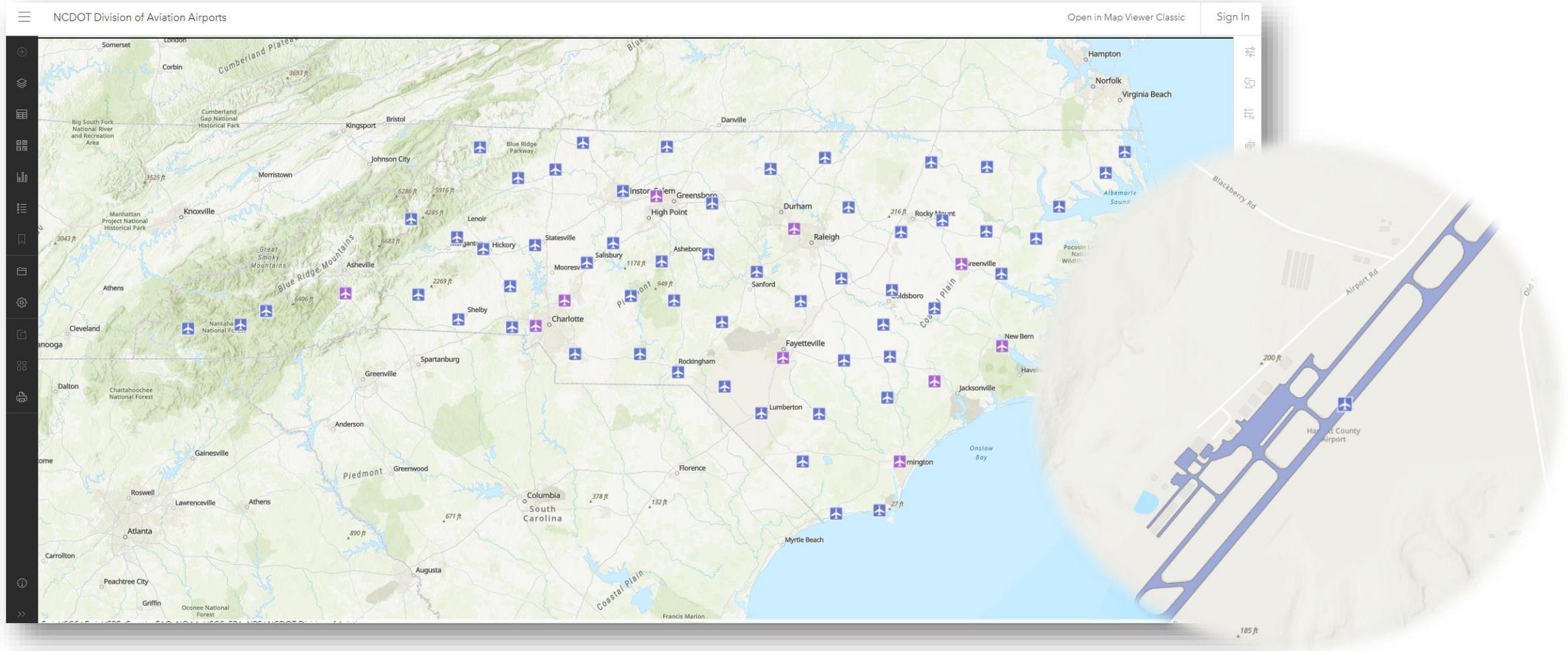
The Airport Points and Estimated Pavement map contains basic information about North Carolina airports included in the National Plan of Integrated Airport Systems (NPIAS). The location information also known as the airport reference point (ARP) is from the Federal Aviation Administration's (FAA) Airport Master Record ([https://www.faa.gov/airports/airport\\_safety/airportdata\\_5010/#5010](https://www.faa.gov/airports/airport_safety/airportdata_5010/#5010)) and is accurate as of 06/21/2019.

The airport class data is from the NCDOT Division of Aviation's Airport System Plan Update ([https://connect.ncdot.gov/municipalities/State-Airport-Aid/State%20Airport%20Aid%20Documents/NC%20Airport%20System%20Plan%20\(2015\).pdf](https://connect.ncdot.gov/municipalities/State-Airport-Aid/State%20Airport%20Aid%20Documents/NC%20Airport%20System%20Plan%20(2015).pdf)) dated December 2015.

Any of the airports that have an Automated Weather Observing System (AWOS) or Automated Surface Observing System (ASOS) has the type, owner, reporting frequency, and reporting phone number ([https://www.faa.gov/air\\_traffic/weather/asos/](https://www.faa.gov/air_traffic/weather/asos/)). A link to has been provided in the data to retrieve the most recently disseminated weather report from the systems. The data will be updated on an as needed basis. Please contact the Division of Aviation with any questions about the data.

<https://ncdot.maps.arcgis.com>

# Transportation Framework - Aviation



# NCDOT 2021

- Review of Roadway Centerline GIS Data Requirements
  - Goals from this process are to:
    - Understand the current needs for the DOT road centerline
    - Ensure the DOT road centerline supports Federal and State statutes, mandates, and reporting requirements
  - Status
    - ~850 use cases complete and reviewed
    - Analyzing stories into epics and categorizing for next steps
  - Will present findings to SMAC, including Local Government feedback
- Intersection Inventory
  - Initially driven by traffic safety, Model Inventory of Roadway Elements (MIRE)
  - Participating in a FHWA pooled fund study to develop a robust intersection data model

# NCDOT GIS announcements

- URISA GIS-Pro 2021
  - Enterprise System Award
  - Project ATLAS
  - <https://youtu.be/TJGcX4Tvgrk>



# NCDOT GIS announcements

- AASHTO GIS for Transportation Symposium
  - April 19 to 22, 2022 North Charleston, SC
    - <https://gis-t.transportation.org/>
  - Student Research Contest
    - [https://gis-t.transportation.org/what\\_is\\_gis-t/student-paper](https://gis-t.transportation.org/what_is_gis-t/student-paper)
    - The winner will receive:
      - \$100
      - Travel expenses
      - 4 nights hotel
      - Complimentary registration to present their paper.





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