

The GIS Unit is pleased to announce the release of our 2nd Quarter 2021 Publication data updates.

If you have any questions, please contact [gishelp@ncdot.gov](mailto:gishelp@ncdot.gov).

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## Updated Data Sets

The following datasets were updated:

NCRouteCharacteristics  
NCRoutes  
NCRouteArcs  
NHSRoutes  
RoadFunctionalClass  
RoadUnpaved  
RoadPostedRoute  
RoadSpeedLimit  
RoadBarePvmnt  
RoadAccessControl  
RoadFederalAid  
RailroadCrossings  
RailroadTrack  
RailroadFacility  
StructuresPoint

## Schema Updates

NCRouteCharacteristics additional columns in schema:

```
[AADT] int NULL  
[AadtDate] int NULL  
[AADTTruck] int NULL,  
[AadttMulti] nvarchar(200) NULL  
[AadttSingle] nvarchar(200) NULL
```

## Changes in RailroadCrossings schema:

Two fields added:

Highway  
SfxMilePost

Three fields removed:

HIGHWAY\_TYPE  
HIGHWAY\_NO  
HIGHWAY\_DESIGNATION

## **GIS Unit Products Affected by the Update**

The following GIS Unit products will reflect the data updates:

### **Geospatial Web Services**

[NCDOT District Boundaries](#)  
[NCDOT Division Boundaries](#)  
[NCDOT County Boundaries](#)  
[NCDOT County Boundaries Shoreline](#)  
[NCDOT Structures](#)  
[NCDOT Bridges](#)  
[NCDOT North Carolina Rail System](#)  
[NCDOT North Carolina Railroads](#)  
[NCDOT Road Characteristics](#)  
[NCDOT State Maintained Roads](#)  
[NCDOT Access Control](#)  
[NCDOT Bare Pavement](#)  
[NCDOT Federal Aid Routes](#)  
[NCDOT Functional Class](#)  
[NCDOT MileMarker Hatching](#)  
[NCDOT NHS](#)  
[NCDOT Posted Roads - Light Traffic](#)  
[NCDOT Speed Limits](#)  
[NCDOT Unpaved Roads](#)  
[NCDOT Shields](#)

## **GO!NC/AGOL Web Maps**

(available at <http://ncdot.maps.arcgis.com>)

[NCDOT 2018-2027 STIP Map](#)

[NCDOT Structures Map](#)

[NCDOT Distance Hatches & Bridges Map](#)

[NCDOT Bridges Map](#)

[NCDOT Bridges, State Maintained Roads, and MPO/RPO Boundary Map](#)

[NCDOT Access Control Map](#)

[NCDOT Federal Aid Routes Map](#)

[NCDOT Road Events Map](#)

[NCDOT State Boundary Roadway Maintenance Status Change Map](#)

[NCDOT State Maintained Network Map](#)

[NCDOT State Maintained Roads, State Orthoimagery, and Parcels](#)

[NCDOT RoadNC Viewer Map](#)

[NCDOT Connecting North Carolina's Military and Families](#)

## **Downloadable Data**

(available at <https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx>)

[Structure Locations Statewide](#) (aka Bridges)

[NCDOT Rail Track Shapefile](#)

[NCDOT Rail Crossing Shapefile](#)

[NCDOT Rail Facility Shapefile](#)

[NCDOT Rail Layers Geodatabase](#)

[Road Characteristics Arcs Shapefile](#)

[Road Characteristics Arcs File Geodatabase](#)

[NCRoutes Shapefile](#)

[NCRoutes File Geodatabase](#)

[NCRouteArcs Shapefile](#)

[NCRouteArcs File Geodatabase](#)

## **Status of the Route Data**

The following is the status of the route/road data provided at this quarterly data update:

### **Improvements**

#### **Route Data Currency:**

For visual representation of public roads in North Carolina. System roads (state maintained) are current through March 2021 for changes by NCDOT Petitions and Municipal Agreements process. Non-system roads (maintained by local governments) are up to date for Alamance (up to date as of 12/23/2020), Alexander (up to date as of 1/28/2021), Alleghany (up to date as of 11/25/2021), Anson (up to date as of 8/3/2012), Ashe (up to date as of 4/16/2019), Avery (up to date as of 1/25/2021), Beaufort (up to date as of 6/16/2020), Bertie (up to date as of 4/16/2020), Bladen (up to date as of 8/11/2020), Brunswick (up

to date as of 12/23/2020), Buncombe (up to date as of 12/23/2020), Burke (up to date as of 10/9/2020), Cabarrus (up to date as of 9/14/2020), Caldwell (up to date as of 8/6/2018), Camden (up to date as of 11/3/2020), Carteret (up to date as of 11/13/2020), Caswell (up to date as of 5/26/2020), Catawba (up to date as of 10/14/2020), Chatham (up to date as of 9/29/2020), Cherokee (up to date as of 8/11/2020), Chowan (up to date as of 11/2/2020), Clay (up to date as of 6/4/2020), Cleveland (up to date as of 9/30/2020), Columbus (up to date as of 11/5/2020), Craven (up to date as of 7/28/2020), Cumberland (up to date as of 12/23/2020), Currituck (up to date as of 10/29/2019), Dare (up to date as of 2/1/2021), Davidson (up to date as of 10/1/2020), Davie (up to date as of 10/9/2020), Duplin (up to date as of 1/26/2021), Durham (up to date as of 1/7/2021), EBCN Cherokee (up to date as of 9/17/2018), EBCN Graham (up to date as of 9/21/2018), EBCN Haywood (up to date as of 9/17/2018), EBCN Jackson (up to date as of 9/17/2018), Edgecombe (up to date as of 4/22/2020), Forsyth (up to date as of 1/7/2021), Franklin (up to date as of 1/22/2020), Gaston (up to date as of 10/1/2020), Gates (up to date as of 10/29/2019), Graham (up to date as of 9/21/2018), Granville (up to date as of 10/29/2019), Greene (up to date as of 4/21/2020), Guilford (up to date as of 1/11/2021), Halifax (up to date as of 10/28/2019), Harnett (up to date as of 7/17/2020), Haywood (up to date as of 11/8/2019), Henderson (up to date as of 10/1/2020), Hertford (up to date as of 2/6/2020), Hoke (up to date as of 8/24/2020), Hyde (up to date as of 2/2/2021), Iredell (up to date as of 1/8/2021), Jackson (up to date as of 9/5/2018), Johnston (up to date as of 1/8/2021), Jones (up to date as of 4/28/2020), Lee (up to date as of 6/3/2020), Lenoir (up to date as of 2/5/2020), Lincoln (up to date as of 8/13/2020), Macon (up to date as of 8/12/2020), Madison (up to date as of 8/18/2020), Martin (up to date as of 11/16/2020), McDowell (up to date as of 12/31/2019), Mecklenburg (up to date as of 1/8/2021), Mitchell (up to date as of 1/29/2020), Montgomery (up to date as of 1/25/2021), Moore (up to date as of 6/4/2020), Nash (up to date as of 10/22/2019), New Hanover (up to date as of 1/8/2021), Northampton (up to date as of 5/4/2020), Onslow (up to date as of 8/18/2020), Orange (up to date as of 10/7/2020), Pamlico (up to date as of 11/10/2020), Pasquotank (up to date as of 8/25/2020), Pender (up to date as of 10/31/2019), Perquimans (up to date as of 1/25/2021), Person (up to date as of 1/29/2020), Pitt (up to date as of 10/6/2020), Polk (up to date as of 2/5/2020), Randolph (up to date as of 6/17/2020), Richmond (up to date as of 10/13/2020), Robeson (up to date as of 12/13/2019), Rockingham (up to date as of 6/10/2020), Rowan (up to date as of 10/19/2020), Rutherford (up to date as of 8/14/2018), Sampson (up to date as of 11/16/2020), Scotland (up to date as of 11/4/2020), Stanly (up to date as of 11/19/2020), Stokes (up to date as of 1/22/2020), Surry (up to date as of 11/10/2020), Swain (up to date as of 10/22/2020), Transylvania (up to date as of 1/10/2020), Tyrrell (up to date as of 2/2/2021), Union (up to date as of 6/16/2020), Vance (up to date as of 10/26/2020), Wake (up to date as of 1/11/2021), Warren (up to date as of 2/5/2021), Washington (up to date as of 1/25/2021), Watauga (up to date as of 1/29/2020), Wayne (up to date as of 8/7/2020), Wilkes (up to date as of 5/26/2020), Wilson (up to date as of 1/11/2021), Yadkin (up to date as of 8/24/2020), Yancey (up to date as of 1/26/2021).

### **Non-System Route Data Updated This Quarter:**

Alamance (up to date as of 12/23/2020), Alexander (up to date as of 1/28/2021), Alleghany (up to date as of 1/25/2021), Avery (up to date as of 1/25/2021), Brunswick (up to date as of 12/23/2020), Buncombe (up to date as of 12/23/2020), Cumberland (up to date as of 12/23/2020), Dare (up to date as of 2/1/2021), Duplin (up to date as of 1/26/2021), Durham (up to date as of 1/7/2021), Forsyth (up to date as of 1/7/2021), Guilford (up to date as of 1/11/2021), Hyde (up to date as of 2/2/2021), Iredell (up to date as of 1/8/2021), Johnston (up to date as of 1/8/2021), Mecklenburg (up to date as of 1/8/2021), Montgomery (up to date as of 1/25/2021), New Hanover (up to date as of 1/8/2021), Perquimans (up to date as of 1/25/2021), Tyrrell (up to date as of 2/2/2021), Wake (up to date as of 1/11/2021), Warren

(up to date as of 2/5/2021), Washington (up to date as of 1/25/2021), Wilson (up to date as of 1/11/2021), Yancey (up to date as of 1/26/2021).

### **Route Data Updated this Quarter:**

This layer is a visual representation of public roads in North Carolina. State maintained roads are current through March 2021 for changes by NCDOT Petitions and Municipal Agreements processes.

All represented non-system roads are maintained by local governments and are reflective of the last uploaded datasets. Non-system roads specifically updated this quarter are: Alamance, Alexander, Alleghany, Avery, Brunswick, Buncombe, Cumberland, Dare, Duplin, Durham, Forsyth, Guilford, Hyde, Iredell, Johnston, Mecklenburg, Montgomery, New Hanover, Perquimans, Tyrrell, Wake, Warren, Washington, Wilson, Yancey counties.

### **Known Issues:**

A small gap in the geometry has been introduced at the ends of 10800485060 and 10900485060 (I-485) due to a software issue. Attributes along these routes may have been affected. The attribute data is still being corrected and 2020 3<sup>rd</sup> Quarter publication is the most recent publication that has complete and unaltered data for I-485.