



The GIS Unit is pleased to announce the release of our 1<sup>st</sup> Quarter 2020 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 for the 1<sup>st</sup> Quarter:

NHSROUTES  
ROADACCESSCONTROL  
ROADBAREPVMNT  
ROADFUNCTIONALCLASS  
ROADPOSTEDROUTE  
ROADUNPAVED  
ROADSPEEDLIMIT  
ROADFEDERALAID  
ROADTRUCKNETWORK  
NCROUTECHARACTERISTICS  
NCROUTEARCS  
NCROUTES  
STRUCTURESPOINT  
RAILROADTRACK  
RAILROADFACILITY  
RAILROADCROSSINGS  
BOUNDARYSTATENCPOLYGON  
BOUNDARYMUNICIPAL  
BOUNDARYDOTDIVISION  
BOUNDARYDOTDISTRICT  
BOUNDARYCOUNTYSHORELINE  
BOUNDARYCOUNTYPOLYGON  
BOUNDARYCOUNTYARC

## Schema Updates

The following datasets have updates to schema for the 1<sup>st</sup> Quarter. You will need to remove and re-add these layers in webmaps and applications to reflect the schema update:

BOUNDARYMUNICIPAL: Removed Fields GlobalID, MNCPL\_BNDRY\_NM



## GIS Unit Products Affected by the Update

The following GIS Unit products will reflect the data updates:

### Geospatial Web Services

- [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 Truck Network](#)
- [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:

1. Route Data Currency:  
System roads (state maintained) are current through December 2019 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 8/31/2017), Alexander (up-to-date as of 8/10/2018), Alleghany (up-to-date as of 8/7/2018), Ashe (up-to-date as of 4/16/2019), Avery (up-to-date as of 8/8/2018), Beaufort (up-to-date as of 3/13/2018), Bertie (up-to-date as of 3/15/2018), Bladen (up-to-date as of 3/13/2018), Brunswick (up-to-date as of 10/17/2017), Buncombe (up-to-date as of 4/2/2018), Burke (up-to-date as of 2/19/2018), Cabarrus (up-to-date as of 8/1/2019), Caldwell (up-to-date as of 8/6/2018), Camden (up-to-date as of 5/18/2018), Carteret (up-to-date as of 3/8/2018), Caswell (up-to-date as of 5/30/2018), Catawba (up-to-date as of 10/19/2017), Chatham (up-to-date as of 7/11/2019), Cherokee (up-to-date as of 9/19/2018), Chowan (up-to-date as of 5/21/2018), Clay (up-to-date as of 2/7/2019), Cleveland (up-to-date as of 3/28/2018), Columbus (up-to-date as of 9/12/2019), Craven (up-to-date as of 08/15/2017), Cumberland (up-to-date as of 7/25/2017), Currituck (up-to-date as of 5/16/2018), Dare (up-to-date as of 4/11/2018), Davidson (up-to-date as of 9/16/2019), Davie (up-to-date as of 10/24/2017), Duplin (up-to-date as of 11/30/2017), Durham (up-to-date as of 8/14/2019), EBCN Cherokee (up-to-date as of 9/17/2018), EBCN Graham (up-to-date as of 9/17/2018), 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 3/26/2018), Forsyth (up-to-date as of 7/11/2019), Franklin (up-to-date as of 11/15/2017), Gaston (up-to-date as of 12/1/2017), Gates (up-to-date as of 06/29/2017), Graham (up-to-date as of 9/21/2018), Granville (up-to-date as of 10/1/2017), Greene (up-to-date as of 3/28/2018), Guilford (up-to-date as of 7/26/2017), Halifax (up-to-date as of 9/27/2017), Harnett (up-to-date as of 7/11/2019), Haywood (up-to-date as of 8/1/2017), Henderson (up-to-date as of 3/29/2018), Hertford (up-to-date as of 5/22/2018), Hoke (up-to-date as of 12/15/2017), Hyde (up-to-date as of 5/15/2018), Iredell (up-to-date as of 11/1/2017), Jackson (up-to-date as of 9/5/2018), Johnston (up-to-date as of 8/25/2017), Jones (up-to-date as of 06/19/2017), Lee (up-to-date as of 8/6/2019), Lincoln (up-to-date as of 11/21/2017), Lenoir (up-to-date as of 3/15/2018), Macon (up-to-date as of 4/6/2018), Martin (up-to-date as of 3/26/2018), McDowell (up-to-date as of 8/16/2019), Mecklenburg (up-to-date as of 2/22/2018), Mitchell (up-to-date as of 8/17/2019), Montgomery (up-to-date as of 2/19/2018), Moore (up-to-date as of 9/12/2019), Nash (up-to-date as of 03/09/2017), New Hanover (up-to-date as of 3/29/2018), Northampton (up-to-date as of 5/30/2018), Onslow (up-to-date as of 12/3/2017), Orange (up-to-date as of 8/22/2019), Pamlico (up-to-date as of 01/27/2017), Pasquotank (up-to-date as of 5/21/2018), Pender (up-to-date as of 12/14/2017),

Person (up-to-date as of 5/23/2018), Perquimans (up-to-date as of 7/23/2018), Pitt (up-to-date as of 3/23/2018), Polk (up-to-date as of 8/23/2018), Randolph (up-to-date as of 9/12/2019), Richmond (up-to-date as of 3/14/2018), Robeson (up-to-date as of 3/20/2018), Rockingham (up-to-date as of 3/20/2018), Rowan (up-to-date as of 10/18/2017), Rutherford (up-to-date as of 8/14/2018), Scotland (up-to-date as of 12/15/2017), Sampson (up-to-date as of 6/20/2018), Stanly (up-to-date as of 10/4/2017), Stokes (up-to-date as of 7/23/2018), Surry (up-to-date as of 3/21/2018), Swain (up-to-date as of 8/31/2018), Transylvania (up-to-date as of 2/7/2019), Tyrell (up-to-date as of 5/16/2018), Union (up-to-date as of 11/3/2017), Vance (up-to-date as of 11/16/2017), Wake (up-to-date as of 8/29/2017), Warren (up-to-date as of 11/20/2017), Washington (up-to-date as of 3/27/2018), Watauga (up-to-date as of 8/7/2018), Wayne (up-to-date as of 9/25/2017), Wilkes (up-to-date as of 7/9/2018), Wilson (up-to-date as of 3/21/2018), Yadkin (up-to-date as of 10/2/2017), Yancey (up-to-date as of 8/29/2018) and Wake (up-to-date as of 8/14/2019).

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

Alamance (up-to-date as of 7/11/2019), Beaufort (up-to-date as of 9/24/2019), Brunswick (up-to-date as of 9/13/2019), Buncombe (up-to-date as of 11/5/2019), Carteret (up-to-date as of 10/10/2019), Catawba (up-to-date as of 10/7/2019), Cleveland (up-to-date as of 11/4/2019), Craven (up-to-date as of 9/24/2019), Cumberland (up-to-date as of 9/26/2019), Gaston (up-to-date as of 10/16/2019), Gates (up-to-date as of 10/29/2019), Granville (up-to-date as of 10/29/2019), Guilford (up-to-date as of 9/30/2019), Henderson (up-to-date as of 11/1/2019), Iredell (up-to-date as of 10/15/2019), Johnston (up-to-date as of 8/2/2019), Lincoln (up-to-date as of 10/15/2019), Mecklenburg (up-to-date as of 8/14/2019), New Hanover (up-to-date as of 10/8/2019), Onslow (up-to-date as of 10/17/2019), Pasquotank (up-to-date as of 12/11/2019), Pitt (up-to-date as of 11/22/2019), Richmond (up-to-date as of 11/6/2019), Robeson (up-to-date as of 12/13/2019), Rowan (up-to-date as of 10/11/2019), Sampson (up-to-date as of 10/18/2019), Stanly (up-to-date as of 11/5/2019), Union (up-to-date as of 10/9/2019), Wayne (up-to-date as of 9/19/2019) and Wilson (up-to-date as of 11/7/2019).

2. Gaps in I-73 in Richmond County (10000073077) between mileposts 1.14 and 2.906 were fixed.
3. HPMS Samples on Interstates and US Routes have been adjusted to reflect network changes made since 2017.

### Known Issues:

1. The following routes have measures issues that will be fixed in an upcoming release:
  - a. Granville US-158 BUS 29000158039
  - b. Yancey US-19 East Southbound 25400019100
  - c. Rutherford US-74 BUS Westbound 29600074081
  - d. Rutherford US-221 Southbound 20400221081
  - e. Rutherford SR-2105 40002105081
  - f. Cabarrus SR-1304 opposite inventory 40401304013
  - g. Dare SA-98032 60098032028
  - h. Scotland SA-98832 60098832083