

The GIS Unit is pleased to announce the release of our 3rd 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 3rd Quarter:

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

## Replaced GO!NC Data Product

The following map service/data layer was removed from GO!NC publication:

NCDOT\_TruckNetworkQtr

The Traffic Safety now maintains the Authoritative NCTN Truck Network located here:

<https://ncdot.maps.arcgis.com/home/item.html?id=8faecca0e68b45cc89fd505ba77620f1>

## Improved Performance for Popular Services

We have improved the performance of some of our popular map services. You should see dramatically improved drawing times when using the following services in online applications.

[NCDOT Road Characteristics](#)

[NCDOT Functional Class](#)

[NCDOT State Maintained Roads](#)

[NCDOT Structures](#)

[NCDOT North Carolina Railroads](#)

[NCDOT North Carolina Rail System](#)

[NCDOT RoadNC Centerlines](#)

## Schema Updates

There was one schema change to the 3<sup>rd</sup> Quarter 2020 release:

NCRouteCharacteristics: Removed Field- HOVAccess

## 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 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 June 2020 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 7/11/2019), Alexander (up to date as of 12/18/2019), Alleghany (up to date as of 1/22/2020), Anson (up to date as of 8/3/2012), Ashe (up to date as of 4/16/2019), Avery (up to date as of 2/19/2020), Beaufort (up to date as of 6/16/2020), Bertie (up to date as of 4/16/2020), Bladen (up to date as of 3/13/2018), Brunswick (up to date as of 1/31/2020), Buncombe (up to date as of 2/5/2020), Burke (up to date as of 11/1/2019),

Cabarrus (up to date as of 4/3/2020), Caldwell (up to date as of 8/6/2018), Camden (up to date as of 12/23/2019), Carteret (up to date as of 10/10/2019), Caswell (up to date as of 5/26/2020), Catawba (up to date as of 10/7/2019), Chatham (up to date as of 3/30/2020), Cherokee (up to date as of 1/23/2020), Chowan (up to date as of 4/16/2020), Clay (up to date as of 6/4/2020), Cleveland (up to date as of 4/1/2020), Columbus (up to date as of 9/12/2019), Craven (up to date as of 9/24/2019), Cumberland (up to date as of 2/6/2020), Currituck (up to date as of 10/29/2019), Dare (up to date as of 1/21/2020), Davidson (up to date as of 4/2/2020), Davie (up to date as of 10/9/2019), Duplin (up to date as of 1/13/2020), Durham (up to date as of 2/3/2020), 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 7/11/2019), Franklin (up to date as of 1/22/2020), Gaston (up to date as of 4/6/2020), 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 2/3/2020), Halifax (up to date as of 10/28/2019), Harnett (up to date as of 7/11/2019), Haywood (up to date as of 11/8/2019), Henderson (up to date as of 4/7/2020), Hertford (up to date as of 2/6/2020), Hoke (up to date as of 12/16/2019), Hyde (up to date as of 5/15/2018), Iredell (up to date as of 2/3/2020), Jackson (up to date as of 9/5/2018), Johnston (up to date as of 2/3/2020), 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 10/15/2019), Macon (up to date as of 11/8/2019), Madison (up to date as of 8/29/2018), Martin (up to date as of 4/29/2020), McDowell (up to date as of 12/31/2019), Mecklenburg (up to date as of 3/11/2020), Mitchell (up to date as of 1/29/2020), Montgomery (up to date as of 1/14/2020), 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 2/5/2020), Northampton (up to date as of 5/4/2020), Onslow (up to date as of 10/17/2019), Orange (up to date as of 4/7/2020), Pamlico (up to date as of 10/23/2019), Pasquotank (up to date as of 12/11/2019), Pender (up to date as of 10/31/2019), Perquimans (up to date as of 5/4/2020), Person (up to date as of 1/29/2020), Pitt (up to date as of 4/7/2020), Polk (up to date as of 2/5/2020), Randolph (up to date as of 6/17/2020), Richmond (up to date as of 11/6/2019), Robeson (up to date as of 12/13/2019), Rockingham (up to date as of 6/10/2020), Rowan (up to date as of 10/11/2019), Rutherford (up to date as of 8/14/2018), Sampson (up to date as of 10/18/2019), Scotland (up to date as of 11/25/2019), Stanly (up to date as of 11/5/2019), Stokes (up to date as of 1/22/2020), Surry (up to date as of 10/28/2019), Swain (up to date as of 8/31/2018), Transylvania (up to date as of 1/10/2020), Tyrrell (up to date as of 5/26/2020), Union (up to date as of 6/16/2020), Vance (up to date as of 12/23/2019), Wake (up to date as of 2/5/2020), Warren (up to date as of 5/14/2020), Washington (up to date as of 5/12/2020), Watauga (up to date as of 1/29/2020), Wayne (up to date as of 9/19/2019), Wilkes (up to date as of 5/26/2020), Wilson (up to date as of 11/7/2019), Yadkin (up to date as of 10/31/2019), Yancey (up to date as of 1/29/2020)

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

Beaufort (up to date as of 6/16/2020), Bertie (up to date as of 4/16/2020), Cabarrus (up to date as of 4/3/2020), Caswell (up to date as of 5/26/2020), Chatham (up to date as of 3/30/2020), Chowan (up to date as of 4/16/2020), Clay (up to date as of 6/4/2020), Cleveland (up to date as of 4/1/2020), Davidson (up to date as of 4/2/2020), Edgecombe (up to date as of 4/22/2020), Gaston (up to date as of 4/6/2020), Greene (up to date as of 4/21/2020), Henderson (up to date as of 4/7/2020), Jones (up to date as of 4/28/2020), Lee (up to date as of 6/3/2020), Martin (up to date as of 4/29/2020), Moore (up to date as of 6/4/2020), Northampton (up to date as of 5/4/2020), Orange (up to date as of 4/7/2020), Perquimans (up to date as of 5/4/2020), Pitt (up to date as of 4/7/2020), Randolph (up to date as of 6/17/2020), Rockingham (up to date as of 6/10/2020), Tyrrell (up to date as of 5/26/2020), Union (up to

date as of 6/16/2020), Warren (up to date as of 5/14/2020), Washington (up to date as of 5/12/2020), Wilkes (up to date as of 5/26/2020)

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

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

This layer is a visual representation of public roads in North Carolina. State maintained roads are current through March 2020 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: Beaufort, Bertie, Cabarrus, Caswell, Chatham, Chowan, Clay, Cleveland, Davidson, Edgecombe, Gaston, Greene, Henderson, Jones, Lee, Martin, Moore, Northampton, Orange, Perquimans, Pitt, Randolph, Rockingham, Tyrrell, Union, Warren, Washington, and Wilkes counties.

For more detailed information about available NCDOT data, please see document [NCDOT GIS Unit Announcements](#).

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

### **Known Issues**

No known issues to report