



The GIS Unit is pleased to announce the release of our 4th 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:

NCRouteCharacteristics

NCRoutes

NCRouteArcs

NHSRoutes

RoadFunctionalClass

RoadUnpaved

RoadPostedRoute

RoadSpeedLimit

RoadBarePvmnt

RoadAccessControl

RoadFederalAid

RailroadCrossings

RailroadTrack

RailroadFacility

## Schema Updates

There were no schema changes



## 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 September 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 7/7/2020), 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 8/11/2020), Brunswick (up to date as of 7/1/2020), Buncombe (up to date as of 7/17/2020), Burke (up to date as of 11/1/2019), Cabarrus (up to date as of 9/14/2020), 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 8/11/2020), 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 7/28/2020), Cumberland (up to date as of 7/2/2020), 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 7/5/2020), 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 7/14/2020), 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 8/3/2020), 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 4/7/2020), Hertford (up to date as of 2/6/2020), Hoke (up to date as of 8/24/2020), Hyde (up to date as of 5/15/2018), Iredell (up to date as of 7/9/2020), Jackson (up to date as of 9/5/2018), Johnston (up to date as of 7/15/2020), 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 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 4/29/2020), McDowell (up to date as of 12/31/2019), Mecklenburg (up to date as of 8/4/2020), 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 7/21/2020), Northampton (up to date as of 5/4/2020), Onslow (up to date as of 8/18/2020), Orange (up to date as of 4/7/2020), Pamlico (up to date as of 10/23/2019), Pasquotank (up to date as of 8/25/2020), 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 8/10/2020), 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 8/7/2020), Wilkes (up to date as of 5/26/2020), Wilson (up to date as of 11/7/2019), Yadkin (up to date as of 8/24/2020), Yancey (up to date as of 1/29/2020)

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

Alamance (up to date as of 7/7/2020), Bladen (up to date as of 8/11/2020), Brunswick (up to date as of 7/1/2020), Buncombe (up to date as of 7/17/2020), Cabarrus (up to date as of 9/14/2020), Cherokee (up to date as of 8/11/2020), Craven (up to date as of 7/28/2020), Cumberland (up to date as of 7/2/2020), Durham (up to date as of 7/5/2020), Forsyth (up to date as of 7/14/2020), Guilford (up to date as of 8/3/2020), Harnett (up to date as of 7/17/2020), Hoke (up to date as of 8/24/2020), Iredell (up to date as of 7/9/2020), Johnston (up to date as of 7/15/2020), 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), Mecklenburg (up to date as of 8/4/2020), New Hanover (up to date as of 7/21/2020), Onslow (up to date as of 8/18/2020), Pasquotank (up to date as of 8/25/2020), Wake (up to date as of 8/10/2020), Wayne (up to date as of 8/7/2020), Yadkin (up to date as of 8/24/2020).

<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 September 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: Alamance, Bladen, Brunswick, Buncombe, Cabarrus, Cherokee, Craven, Cumberland, Durham, Forsyth, Guilford, Harnett, Hoke, Iredell, Johnston, Lincoln, Macon, Madison, Mecklenburg, New Hanover, Onslow, Pasquotank, Wake, Wayne, Yadkin counties.

**Known Issues:**

- Measure values for 10800485060 and 10900485060 are incorrect
- Effective Q3 2020, the HOV Access field has been dropped. It was removed because it contained no data.

**93. HOVAccess**

<b>Common Name</b>	HOV Access
<b>Definition</b>	The type of access of HOV lanes
<b>Data Owner</b>	OPM (Operations Program Management)
<b>Extent</b>	Where applicable
<b>Values</b>	Coded domain

Domain:

Value	Description	Notes
2 or More	2 or More People	Vehicles with 2 or more persons allowed
Buses	Buses Only	Buses only