



The GIS Unit is pleased to announce the release of our 1st Quarter 2021 Publication data updates.

If you have any questions, please contact 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
- BoundaryMunicipal
- BoundaryDotDistrict
- BoundaryDotDivision
- BoundaryCountyPolygon
- BoundaryCountyArc
- BoundaryStateNCPolygon
- BoundaryCountyShoreline

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 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 December 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 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 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 10/1/2020), Davie (up to date as of 10/9/2020), 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 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 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 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 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 11/16/2020), 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 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 5/4/2020), 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 5/26/2020), Union (up to date as of 6/16/2020), Vance (up to date as of 10/26/2020), 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:

Burke (up to date as of 10/9/2020), Camden (up to date as of 11/3/2020), Carteret (up to date as of 11/13/2020), Catawba (up to date as of 10/14/2020), Chatham (up to date as of 9/29/2020), Chowan (up to date as of 11/2/2020), Cleveland (up to date as of 9/30/2020), Columbus (up to date as of 11/5/2020), Davidson (up to date as of 10/1/2020), Davie (up to date as of 10/9/2020), Gaston (up to date as of 10/1/2020), Henderson (up to date as of 10/1/2020), Martin (up to date as of 11/16/2020), Orange (up to date as of 10/7/2020), Pamlico (up to date as of 11/10/2020), Pitt (up to date as of 10/6/2020), Richmond (up to date as of 10/13/2020), Rowan (up to date as of 10/19/2020), 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), Surry (up to date as of 11/10/2020), Swain (up to date as of 10/22/2020), Vance (up to date as of 10/26/2020).

Route Data Updated this Quarter:

This layer is a visual representation of public roads in North Carolina. State maintained roads are current through December 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: Burke, Camden, Carteret, Catawba, Chatham, Chowan, Cleveland, Columbus, Davidson, Davie, Gaston, Henderson, Martin, Orange, Pamlico, Pitt, Richmond, Rowan, Sampson, Scotland, Stanly, Surry, Swain, Vance counties.

Known Issues:

Measure values reported in 2020Q4 for 10800485060 and 10900485060 have been corrected. Due to a software issue, a small gap in the geometry has been introduced at the ends of 10800485060 and 10900485060. Events along these routes may have been affected.