

The GIS Unit is pleased to announce the release of our 1st Quarter 2019 Publication data updates and other products coming soon.

If you have any questions, please contact gishelp@ncdot.gov.

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Modified Data Sets

No datasets have been modified for 1st quarter 2019 publication.

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 Fuel Depots](#)
[NCDOT Functional Class](#)
[NCDOT MileMarker Hatching](#)
[NCDOT NHS](#)
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[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](#)

SDV Desktop and SDV Online Layers

Bridges

Bridges (Table) (SDV Online Only)

Rail System

Railroad (Reference)

Access Control

Bare Pavement (Snow Removal)

Bare Pavement (Snow Removal) (table) (SDV Online Only)

Federal Aid Routes

Functional Class

Functional Class (table) (SDV Online Only)

NC Truck Network

Milemarker Hatching

NHS (National Highway System)

NHS (National Highway System) (table) (SDV Online Only)

Posted Roads (Light Traffic)

Posted Roads (Light Traffic) (table) (SDV Online Only)

Road Characteristics

Road Characteristics (table) (SDV Online Only)

Route Shields

Speed Limit

Speed Limit (table) (SDV Online Only)

State Maintained Roads

State Maintained Roads (table) (SDV Online Only)

Unpaved Roads



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:

- a) For visual representation of public roads in North Carolina. System roads (state maintained) are current through December 2018 for changes by NCDOT Petitions and Municipal Agreements process.
- b) Non-system roads (maintained by local governments) are up-to-date according to the most current county data as of January 2015, with the exception of Alamance (up-to-date as of 8/31/2017), Beaufort (up-to-date as of 3/13/2018), 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 7/25/2017), Catawba (up-to-date as of 10/19/2017), Chatham (up-to-date as of 10/12/2017), Columbus (up-to-date as of 9/26/2017), Craven (up-to-date as of 08/15/2017), Cumberland (up-to-date as of 7/25/2017), Dare (up-to-date as of 4/11/2018), Davidson (up-to-date as of 8/4/2017), Duplin (up-to-date as of 11/30/2017), Durham (up-to-date as of 07/13/2017), Edgecombe (up-to-date as of 3/26/2018), Forsyth (up-to-date as of 10/19/2017), 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), 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 7/27/2017), Henderson (up-to-date as of 3/29/2018), Hyde (up-to-date as of 5/15/2018), Iredell (up-to-date as of 11/1/2017), Johnston (up-to-date as of 8/25/2017), Jones (up-to-date as of 06/19/2017), Lee (up-to-date as of 11/7/2017), Lenoir (up-to-date as of 3/15/2018), Lincoln (up-to-date as of 11/21/2017), Montgomery (up-to-date as of 2/19/2018), Moore (up-to-date as of 10/3/2017), Nash (up-to-date as of 03/09/2017), New Hanover (up-to-date as of 3/29/2018), Onslow (up-to-date as of 12/3/2017), Orange (up-to-date as of 8/31/2017), 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), Perquimans (up-to-date as of 7/23/2018), Pitt (up-to-date as of 3/23/2018), Randolph (up-to-date as of 10/10/2017), Richmond (up-to-date as of 3/14/2018), Rockingham (up-to-date as of 3/20/2018), Rowan (up-to-date as of 10/18/2017), Scotland (up-to-date as of 12/15/2017), Stanly (up-to-date as of 10/4/2017), Surry (up-to-date as of 3/21/2018), 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), Washington (up-to-date as of 3/27/2018), Wayne (up-to-date as of 9/25/2017), Wilson (up-to-date as of 3/21/2018) and Yadkin (up-to-date as of 10/2/2017).

- c) Non-system roads updated this quarter: Camden (up-to-date as of 5/18/2018), Carteret (up-to-date as of 3/8/2018), Chowan (up-to-date as of 5/21/2018), EBCN (Eastern Band Cherokee Nation) Swain (up-to-date as of 9/14/2018), Macon (up-to-date as of 4/6/2018) and Tyrell (up-to-date as of 5/16/2018).
- d) Other state agency roads are up-to-date according to North Carolina Wildlife Resources Commission data as of February 2016, with the exception of those routes in Beaufort, Bladen, Brunswick, Camden, Carteret, Columbus, Craven, Currituck, Dare, Hyde, Jones, Onslow, Pender, Tyrrell and Washington (up-to-date as of 3/14/2018).

Coming Soon

A New Spatial Data Viewer (SDV)

Due to the outdated and unsupported technologies on which SDV Desktop and SDV Online are built, the GIS Unit will begin retiring both products on March 15, 2019.

Instead, the GIS Unit offers two products to replace the capabilities and functionality provided by SDV Desktop and SDV Online.

[GO!NC Portal](#) – An online platform for creating and saving maps and data for yourself and to share with co-workers and business partners. To save content, please contact gishelp@ncdot.gov and request a GO!NC account. The GIS Unit provides a variety of support for GO!NC, as well. Refer to the [GO!NC Map Viewer Quick Reference Guide](#) to get started.

[NCDOT Spatial Data Viewer](#) – A display and query tool similar to SDV Online. Please refer to the [SDV Quick Reference Guide](#) to get you started. A more detailed user guide is available from the application's About panel.

If you have any questions regarding the SDV product retirement or the replacement products, please contact gishelp@ncdot.gov.