The GIS Unit is pleased to announce the release of our 2nd Quarter 2019 Publication data updates and other products.

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

Contents

Modified Data Sets

In addition to updated data, the following changes were made that may require modification to your maps and apps.

Road Characteristics

The following fields changed in the Municipal Boundaries data. If you use the following service in a web map or app, you may need to remove and add the service to capture the changes.

NCDOT Road Characteristics

Removed Fields:
StructurID
StructurType

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:

1. Route Data Currency:
   System roads (state maintained) are current through March 2019 for changes by NCDOT Petitions and Municipal Agreements process. 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 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), Camden (up-to-date as of 5/18/2018), Carteret (up-to-date as of 3/8/2018), Catawba (up-to-date as of 10/19/2017), Chatham (up-to-date as of 10/12/2017), Chowan (up-to-date as of 5/21/2018), 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), EBCN Eastern Band Cherokee Nation (up-to-date as of 9/17/2018), 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), 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), 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), Swain (up-to-date as of 9/14/2018), 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), 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).

   Non-System Route Data Updated This Quarter:
   Alexander (up-to-date as of 8/10/2018), Bertie (up-to-date as of 3/15/2018), Caldwell (up-to-date as of 8/6/2018), Caswell (up-to-date as of 5/30/2018), Cleveland (up-to-date as of 3/28/2018), Currituck (up-to-date as of 5/16/2018), Davie (up-to-date as of 10/24/2017), 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), Graham (up-to-date as of 9/21/2018), Haywood (up-to-date as of 8/1/2017), Hertford (up-to-date as of 5/22/2018), Hoke (up-to-date as of 12/15/2017), Martin (up-to-date as of 3/26/2018), Mecklenburg (up-to-date as of 2/22/2018), Northampton (up-to-date as of 5/30/2018), Person (up-to-date as of 5/23/2018), Polk (up-to-date as of 8/23/2018), Robeson (up-to-date as of 3/20/2018), Rutherford (up-to-date as of 8/14/2018), Sampson (up-to-date as of 6/20/2018),

Stokes (up-to-date as of 7/23/2018), Swain (up-to-date as of 8/31/2018), Transylvania (up-to-date as of 2/7/2019), Warren (up-to-date as of 11/20/2017), Watauga (up-to-date as of 8/7/2018) and Wilkes (up-to-date as of 7/9/2018).

Route Data Updates In Progress:
National Forest Service roads.

2. Ownership information has been completed for Tribal and Bureau of Indian Affairs roads in Swain County. Jackson, Cherokee, Graham and Haywood are in progress. HPMS Samples have been entered for all primary routes (completed in 2019 1st Quarter).

Spatial Data Viewer Released

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 retired both products in April 2019.

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.

New Structures Management Unit Map Services

The GIS Unit and the Structures Management Unit have deployed the following map services.

These services are updated nightly from their data source.

*   NCDOT Dynamic Structures - Contains North Carolina bridges and other structures extracted and attributed daily by the NCDOT Bridge Maintenance Unit's bridge database.
*   NCDOT Dynamic BMIP - Contains bridges in the 2016+ Bridge Maintenance Improvement Plan (BMIP) from the BMIP dynamic window of the Pavement Management System (PMS).
*   NCDOT Dynamic Master Maintenance - Contains structure locations from the BMS Network Master related to the BMS Maintenance table for a one-to-many display of maintenance records for structures.

This data is limited to NCDOT staff only. When prompted by the popup window, enter you NCDOT username and password (not GO!NC).

If you have any questions, contact the Structures Management Unit (Cary Clemmons or Ashly Myers).