

The GIS Unit is pleased to announce the release of our 4th Quarter 2018 Publication data updates and other products coming soon.

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

Contents

[Modified Data Sets](#)

[GIS Unit Products Affected by the Update](#)

[Status of the Route Data](#)

[Changes to GIS Unit Products](#)

[Coming Soon](#)

Modified Data Sets

The following datasets have been updated for 4th quarter 2018 publication:

- NCDOT Rail Division data for Crossings, Track and Facility locations
- NCDOT Structure Locations for Bridge Data
- NCDOT Road Characteristics, Road Arcs and Road Routes layers are updated, and includes both System and Non-System routes. The HighwayExit point feature class is included in the Road Characteristics File Geodatabase.
- NCDOT Fuel Depots has updated schema for Q4 2018:

Old Schema	New Schema
OBJECTID,OID	OBJECTID, OID
COUNTY, String	County, String
DIVISION, Integer	Division, Integer
FUELTYPE, String	FuelType, String
OPERHOURS, String	OperHours, Integer
SITE_ID_NU, String	Site_ID_Nu, String
LATITUDE, Double	Latitude, Double
LONGITUDE, Double	Longitude, Double
SHAPE, Geometry	Address, String
	City, String
	State, String
	Zip_Code, Integer
	SiteOwner, String
	Shape, Geometry

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](#)
- [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](#)

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. System roads (state maintained) are current through June 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), Buncombe (up-to-date as of 4/2/2018), 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), Dare (up-to-date as of 4/11/2018), Davidson (up-to-date as of 8/4/2017), Durham (up-to-date as of 07/13/2017), 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), 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), 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), Randolph (up-to-date as of 10/10/2017), Rowan (up-to-date as of 10/18/2017), Stanly (up-to-date as of 10/4/2017), 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), Wayne (up-to-date as of 9/25/2017) and Yadkin (up-to-date as of 10/2/2017). Additional non-system roads updated in the NCDOT data this quarter include 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), Burke (up-to-date as of 2/19/2018), Cumberland (up-to-date as of 7/25/2017), Duplin (up-to-date as of 11/30/2017), Edgecombe (up-to-date as of 3/26/2018), Greene (up-to-date as of 3/28/2018), Montgomery (up-to-date as of 2/19/2018), Pitt (up-to-date as of 3/23/2018), Richmond (up-to-date as of 3/14/2018), Rockingham (up-to-date as of 3/20/2018), Scotland (up-to-date as of 12/15/2017), Surry (up-to-date as of 3/21/2018), Washington (up-to-date as of 3/27/2018) and Wilson (up-to-date as of 3/21/2018).
- c. Other state agency roads are up-to-date according to North Carolina Wildlife Resources Commission data as of February 2016.

Changes to GIS Unit Products

If you are using the NCDOT Fuel Depots layer within a web map, you will need to delete and re-add the layer into your web map to get the new field schema.

Coming Soon

New Structures-Related Products - Dynamic BMIP and Nightly Network Master

The Structures Maintenance Unit and GIS Unit are working to provide new structures-related data products. These products will come directly from the BMS network master and BMIP systems and will be updated nightly.

This data will replace the online quarterly NCDOT_Structures and NCDOT_Bridges data services and GO!NC structures and bridge maps.

The current quarterly data download product will consist of a snapshot of this data.

The teams are still working out the details but should have something in place within the next couple of months.