

The GIS Unit is pleased to announce the release of our Fourth Quarter 2017 Publication updates.

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

The data updated in the Fourth Quarter 2017 Publication Update

The following data sets were updated this quarter:

1. Bridges/Structures
2. Rail System
3. NC Route Characteristics
4. NC Routes (pka LRS Routes)
5. NC Route Arcs (pka LRS Arcs)

GIS Unit Products Affected by the Update

The following GIS Unit products will reflect 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 Mile Marker 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 Structures Map](#)

[NCDOT Distance Hatches & Bridges Map](#)

[NCDOT Bridges Map](#)

[NCDOT Structures, State Maintained Roads, and MPO/RPO Boundary Map](#)

[NCDOT Access Control Map](#)

[NCDOT 2018-2027 STIP](#)

[NCDOT Draft STIP 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 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

Unpaved Roads (table) (SDV Online Only)

Downloadable Data

(available at <https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx>)

[NCDOT Rail Track Shapefile](#)

[NCDOT Rail Crossing Shapefile](#)

[NCDOT Rail Facility Shapefile](#)

[NCDOT Rail Layers File Geodatabase](#) (Note: Geodatabase data is now distributed in one file)

[Road Characteristics Arcs Shapefile](#)

[Road Characteristics Arcs File Geodatabase](#)

[NCRoutes Shapefile](#)

[NCRoutes File Geodatabase](#)

[NCRouteArcs Shapefile](#)

[NCRouteArcs File Geodatabase](#)

Changes to GIS Unit Products

Attributes/Fields Added to the Road Network Data

Attributes were added to the following data sets.

Data Set	Change
NCRoutes	added column 'Division'
NCRouteArcs	added columns 'Division' and 'OwnerType'
NCRouteCharacteristics	added column 'Division'

If you use the following map services in a web map or app, you may need to remove and add the map service to capture the changes.

[NCDOT Road Characteristics](#)

[NCDOT State Maintained Roads](#)

Schema changes to Rail Data

1. Field names were changed in or fields were removed from the Railroad Track line data.

Field	Change
OWNER	Removed
TRACKTYPE	Removed
OUTSERVICE	Removed
Prefix_MP	Removed
TRACK_STATUS	Renamed from TRACK_STAT

2. The following Fields were removed from the Railroad Crossing data:

Field	Change
XingOwner	Removed

If you use the following map services in a web map or app, you may need to remove and add the map service to capture the changes.

[NCDOT North Carolina Rail System](#)

[NCDOT North Carolina Railroads](#)