

The GIS Unit is pleased to announce the release of our Second Quarter 2025 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:

BoundaryMpoRpo (2025 Revised)
NCRouteArcs
NCRouteCharacteristics
NCRoutes
NHSRoutes
RoadAccessControl
RoadBarePvmnt
RoadFederalAid
RoadFunctionalClass
RoadPostedRoute
RoadSpeedLimit
RoadUnpaved
RoadFederalAid
RailroadCrossings
RailroadTrack
RailroadFacility
StructuresPoint
StructuresPolygon

Schema Updates

The following services have changes that affect symbology. To reflect those changes in previously created web maps/apps, you may need to remove the layer and re-add it to your product:

Boundaries: NCDOT_MPORPOBdy

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 MPO & RPO Boundaries](#)
[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 MilePost 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 2021-2029 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 Layers Geodatabase](#)

[Road Characteristics Arcs File Geodatabase](#)

[NCRoutes File Geodatabase](#)

[NCRouteArcs File Geodatabase](#)

Status of the Route Data

The following is the status of the route/road data provided at this quarterly data update:

Route Data Updated this Quarter:

This layer is a visual representation of public roads in North Carolina.

State-maintained roads are current through June 2025 for changes by NCDOT Petitions and Municipal Agreements processes. Other state-maintained construction projects that were processed this quarter are listed in this chart:

Document Number	Effective Year	Product	Description	County
COR_069_06-25_1	1951	Correction	SR 1330	PAMLICO
COR_018_06-25_1	1970	Correction	SR 1782	CATAWBA
HTO_092_10-24	2024	HTO	US 70, NC 540, SR 1152, 1300, 1301, 1386, 1387, 1405, 1482, 2725, 3767, 4707, 5344, 6238, 6239	WAKE
HTO_019_05-25	2025	HTO	US 15, US 501, SR 1999, 2552	CHATHAM
LRS_16956_04-25	1941	LRS Change	SR 1219	EDGECOMBE
LRS_16963_05-25	1948	LRS Change	SR 1330	ROCKINGHAM
LRS_16841_05-25	1950	LRS Change	SR 1344	ROBESON
LRS_16958_05-25	1951	LRS Change	SR 1102	BEAUFORT
LRS_16889_05-25	1957	LRS Change	NC 55, SR 1395	CRAVEN
LRS_16769_04-25	1959	LRS Change	SR 1219	HENDERSON
LRS_16562_04-25	1961	LRS Change	SR 2072	WAKE
LRS_16756_04-25	1965	LRS Change	SR 1887	HENDERSON
LRS_17008_06-25	1966	LRS Change	SR 1284	CLEVELAND
LRS_16977_05-25	1967	LRS Change	SR 1925	CATAWBA
LRS_16965_06-25	1971	LRS Change	NC 55	CRAVEN
LRS_16942_04-25	1977	LRS Change	SR 1233	BRUNSWICK
LRS_16959_05-25	1990	LRS Change	SR 1925	CATAWBA
LRS_16783_05-25	1991	LRS Change	SR 1544	PITT
LRS_17006_06-25	1992	LRS Change	SR 2349	FORSYTH
LRS_16789_04-25	1993	LRS Change	SR 1466	DURHAM
LRS_16845_05-25	1993	LRS Change	SR 1780	ROBESON
LRS_16997_06-25	1995	LRS Change	SR 2593	ROCKINGHAM
LRS_16991_06-25	1998	LRS Change	SR 1349	ROCKINGHAM
LRS_16764_4-25	2002	LRS Change	SR 1576	HENDERSON
LRS_16766_04-25	2002	LRS Change	SR 1836	HENDERSON
LRS_16966_05-25	2006	LRS Change	SR 1330	ROCKINGHAM
LRS_16985_06-25	2007	LRS Change	SR 1349	ROCKINGHAM
LRS_4940_06-25	2007	LRS Change	SR 1379	WAKE

LRS_16976_05-25	2008	LRS Change	US 13, SR 7375	BERTIE
LRS_16949_06-25	2014	LRS Change	SR 2366	ALAMANCE
LRS_16948_04-25	2025	LRS Change	SR 1893	BRUNSWICK
LRS_16961_05-25	2025	LRS Change	SR 1602	LEE
SS-4902AE	2011	TIP	SR 1314, 1556	BEAUFORT

Non-System Route Data Updated This Quarter:

All represented non-state-maintained roads are updated using datasets maintained by local governments and other non-state agencies. They are reflective of the agency's last uploaded datasets. This chart indicates the last time each entity was updated for non-system and other non-state-maintained routes.

County	Last Updated	Updated this Quarter
Alamance	1/17/2025	
Alexander	2/11/2025	
Alleghany	2/20/2025	
Anson	2/27/2025	
Ashe	5/3/2024	
Avery	1/25/2021	
Beaufort	5/25/2021	
Bertie	5/2/2025	yes
Bladen	2/28/2025	
Brunswick	5/23/2024	
Buncombe	1/9/2025	
Burke	10/27/2021	
Cabarrus	9/13/2024	
Caldwell	3/27/2025	yes
Camden	11/20/2024	
Carteret	11/20/2024	
Caswell	2/18/2025	
Catawba	7/24/2023	
Chatham	12/9/2024	
Cherokee	5/20/2024	
Chowan	4/24/2025	yes
Clay	3/6/2025	
Cleveland	9/28/2022	
Columbus	11/6/2024	
Craven	10/4/2021	
Cumberland	1/24/2025	
Currituck	1/10/2023	
Dare	8/22/2024	
Davidson	1/9/2025	
Davie	11/16/2024	

County	Last Updated	Updated this Quarter
Lee	6/6/2024	
Lenoir	2/5/2020	
Lincoln	1/24/2025	
Macon	11/3/2020	
Madison	8/18/2020	
Martin	6/9/2023	
McDowell	7/5/2024	
Mecklenburg	9/23/2024	
Mitchell	3/11/2022	
Montgomery	9/3/2024	
Moore	8/22/2024	
Nash	3/1/2025	yes
New Hanover	1/28/2025	
Northampton	3/15/2022	
Onslow	8/18/2021	
Orange	12/9/2024	
Pamlico	2/12/2025	yes
Pasquotank	8/25/2020	
Pender	4/1/2025	yes
Perquimans	1/25/2021	
Person	1/9/2024	
Pitt	5/15/2024	
Polk	3/20/2023	
Randolph	9/3/2024	
Richmond	12/7/2021	
Robeson	12/13/2019	
Rockingham	11/5/2024	
Rowan	3/19/2025	
Rutherford	3/20/2023	
Sampson	11/4/2024	

Duplin	5/23/2024	
Durham	1/28/2025	
Edgecombe	4/22/2020	
Forsyth	7/5/2024	
Franklin	1/21/2020	
Gaston	1/17/2025	
Gates	1/13/2023	
Graham	5/16/2022	
Granville	1/11/2023	
Greene	4/21/2020	
Guilford	3/27/2024	
Halifax	11/21/2024	
Harnett	8/11/2024	
Haywood	1/11/2023	
Henderson	3/15/2024	
Hertford	6/1/2021	
Hoke	9/19/2024	
Hyde	7/29/2024	yes
Iredell	9/12/2024	
Jackson	4/1/2021	
Johnston	9/3/2024	
Jones	2/6/2023	

Scotland	1/27/2025	
Stanly	5/1/2023	
Stokes	6/25/2024	
Surry	3/27/2024	
Swain	10/22/2020	
Transylvania	6/26/2024	
Tyrrell	2/2/2021	
Union	6/5/2024	
Vance	4/23/2025	yes
Wake	2/9/2023	
Warren	2/5/2021	
Washington	5/1/2023	
Watauga	4/14/2021	
Wayne	6/24/2024	
Wilkes	5/9/2022	
Wilson	8/8/2022	yes
Yadkin	4/6/2022	
Yancey	1/26/2021	
EBCN Cherokee	9/17/2018	
EBCN Graham	9/21/2018	
EBCN Haywood	9/17/2018	
EBCN Jackson	9/17/2018	

Known Issues:

- Measure Issues
 - 30000027060 - Route measure issues
 - 50492404092 - Measure 0.174518 - point measure issue
 - 40001949018 - Measures 0.168455-0.210794
 - 50091351011 - Measures 0.580008-0.58613 and 0.583294-0.657229
 - 40003192011 - Multiple locations
- Route Hierarchy Issues
 - 80007152018 - begin 0.490121 end 1.160062/80007160018 begin 0.421 end 1.497971
 - 80007154018 - begin 0.867076 end 1.526513/80007161018 begin 0.421371 end 0.748295
 - 80004251041 - begin 0.971671 end 1.009/80004254041 begin 0.3 end 0.338
- Connection Issues
 - 80002860012 – Measure 0.0 (Snapping issue)
 - 29000029079 – Measure 2.64/29400029079 - Measure 16.099 (Incorrect gap in the route)

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