



NCDOT GIS Unit Announcement – February 9, 2026

The GIS Unit is pleased to announce the release of our Fourth 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:

BoundarySmoothedUrban
BoundaryMunicipal
NCRouteArcs
NCRouteCharacteristics
NCRoutes
NHSRoutes
RoadAccessControl
RoadBarePvmnt
RoadFederalAid
RoadFunctionalClass
RoadPostedRoute
RoadSpeedLimit
RoadUnpaved
RoadFederalAid
RailroadCrossings
RailroadTrack
RailroadFacility
StructuresPoint
StructuresPolygon

Schema Updates

No schema updates for this quarter



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](#)



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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 December 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_072_09-25_1	1954	Correction	SR 1326	PERQUIMANS
COR_010_08-25_1	1960	Correction	SR 1177	BRUNSWICK
COR_010_10-25_1	1964	Correction	SR 1429	BRUNSWICK
COR_067_10-25_1	2016	Correction	SR 2583	ONslow
HTO 001 01-23	2023	HTO	US 70, NC 119, SR 1951, 1962, 1972, 1973, 1980, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2058	ALAMANCE
HTO 034 09-25	2025	HTO	US 311, SR 4394, 4706	FORSYTH
LRS 17245 10-25	1947	LRS Change	SR 1329	BRUNSWICK
LRS 17049 08-25	1953	LRS Change	SR 1112	FRANKLIN
LRS 17086 09-25	1964	LRS Change	SR 1317	HAYWOOD
LRS 17237 10-25	1964	LRS Change	SR 1429	BRUNSWICK
LRS 17312 12-25	1971	LRS Change	SR 3579	BUNCOMBE
LRS 7414 09-25	1972	LRS Change	SR 1104	GRANVILLE
LRS 17088 09-25	1979	LRS Change	SR 1936	HAYWOOD
LRS 17173 09-25	1980	LRS Change	SR 2765	DAVIDSON
LRS 17017 07-25	1982	LRS Change	SR 1132	HALIFAX
LRS 17143 09-25	1985	LRS Change	SR 2956	GUILFORD
LRS 17239 12-25	1987	LRS Change	SR 2882	BUNCOMBE
LRS 17216 11-25	1989	LRS Change	SR 1531	MACON
LRS 17109 09-25	1990	LRS Change	SR 1738	GRANVILLE
LRS 17112 09-25	1991	LRS Change	SR 2765, 2864	DAVIDSON
LRS 17176 09-25	1994	LRS Change	SR 2366	MECKLENBURG
LRS 17244 10-25	1994	LRS Change	SR 1878	BRUNSWICK
LRS 17329 01-26	1994	LRS Change	SR 1001	FORSYTH
LRS 9985 01-26	1995	LRS Change	SR 5997	MECKLENBURG
LRS 17134 10-25	2001	LRS Change	SR 1178	COLUMBUS





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LRS 17145 09-25	2002	LRS Change	SR 1894	BUNCOMBE
LRS 16950 07-25	2003	LRS Change	SR 2379	ALAMANCE
LRS 17144 09-25	2009	LRS Change	SR 1146, 1167	ALAMANCE
LRS 16949 07-25	2010	LRS Change	SR 2326, 2327	ALAMANCE
LRS 16336 08-25	2011	LRS Change	SR 1992	FORSYTH
LRS 5676 09-25	2012	LRS Change	SR 1001, 1104, 1119, 1122, 1123, 1532, 1533, 1534, 1536	GREENE
LRS 15651 07-25	2013	LRS Change	SR 1911, 2121	STOKES
LRS 17037 07-25	2017	LRS Change	SR 1151	ALAMANCE
LRS 16973 08-25	2018	LRS Change	SR 1005	ORANGE
LRS 17061 10-25	2021	LRS Change	SR 1321	SCOTLAND
LRS 13918 07-25	2023	LRS Change	SR 1982	ALAMANCE
LRS 17267 11-25	2025	LRS Change	SR 6043	WAKE
B-3693	2012	TIP	SR 1527	ROBESON
W-5601B	2017	TIP	SR 2314, 2466	JOHNSTON
R-2237C	2018	TIP	US 321, US 321 BUS, SR 1682	WATAUGA
W-5601DC	2018	TIP	SR 1527, 1528	ROBESON
17BP.13.R.162	2019	TIP	SR 1143	MCDOWELL
B-4777	2019	TIP	US 25 BUS, NC 251	MADISON
B-5177	2021	TIP	SR 1540	WATAUGA
W-5601HP	2021	TIP	SR 1390	WAKE
I-5786	2022	TIP	SR 2392, 2402	JOHNSTON
R-5868	2022	TIP	SR 1376	EDGEcombe
R-5965A	2023	TIP	SR 1108, 1109	STANLY
B-5301	2024	TIP	NC 33	PITT
U-5996	2024	TIP	SR 1601, 1603, 1609, 1675	NASH
W-5701E	2024	TIP	NC 32, NC 37, SR 1108, 1177	CHOWAN
B-5980	2025	TIP	US 134, SR 1544, 2346, 2347, 6637	NASH
B-6035	2025	TIP	SR 1738	JACKSON
HA-0002	2025	TIP	SR 1615	TRANSYLVANIA
HS-2006D	2025	TIP	SR 1005, 1924	ROBESON
SM-5708C D	2025	TIP	SR 1208	MOORE
U-4906	2025	TIP	SR 1311, 1314, 1938	ONslow
U-5710A	2025	TIP	SR 2944	NEW HANOVER
U-5947	2025	TIP	NC 43 BUS, NC 48	NASH
U-6223	2025	TIP	SR 1563, 3769, 3770, 9000	JOHNSTON
W-5704G	2025	TIP	SR 1525, 1526	JOHNSTON
W-5706N	2025	TIP	NC 710, SR 1339	ROBESON
W-5706O	2025	TIP	SR 2244, 2252	CUMBERLAND
W-5710AI	2025	TIP	NC 218, SR 1606	UNION
W-5710AR	2025	TIP	SR 1004, 1520	UNION
W-5710AS	2025	TIP	SR 1004, 1514, 3744	UNION
Y-5500IA	2025	TIP	SR 1526, 2543, 2698	ROWAN



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	7/11/2025	YES
Avery	1/25/2021	
Beaufort	8/13/2025	YES
Bertie	5/2/2025	
Bladen	2/28/2025	
Brunswick	5/23/2024	
Buncombe	1/9/2025	
Burke	8/1/2024	YES
Cabarrus	9/13/2024	
Caldwell	3/27/2025	
Camden	11/20/2024	
Carteret	11/20/2024	
Caswell	2/18/2025	
Catawba	7/31/2025	YES
Chatham	12/9/2024	
Cherokee	11/7/2025	YES
Chowan	4/24/2025	
Clay	3/6/2025	
Cleveland	8/13/2025	YES
Columbus	11/6/2024	
Craven	11/6/2023	YES
Cumberland	1/24/2025	
Currituck	9/12/2025	YES
Dare	8/22/2024	
Davidson	1/9/2025	
Davie	11/16/2024	
Duplin	5/23/2024	
Durham	1/28/2025	
Edgecombe	9/30/2025	YES
Forsyth	11/13/2025	YES
Franklin	1/21/2020	
Gaston	1/17/2025	

County	Last Updated	Updated this Quarter
Lee	6/6/2024	
Lenoir	2/5/2020	
Lincoln	1/24/2025	
Macon	7/2/2025	YES
Madison	6/10/2025	YES
Martin	10/3/2025	YES
McDowell	7/5/2024	
Mecklenburg	9/23/2024	
Mitchell	8/21/2025	YES
Montgomery	9/3/2024	
Moore	8/22/2024	
Nash	3/1/2025	
New Hanover	1/28/2025	
Northampton	8/21/2025	YES
Onslow	3/25/2025	YES
Orange	12/9/2024	
Pamlico	2/12/2025	
Pasquotank	8/25/2020	
Pender	4/1/2025	
Perquimans	1/25/2021	
Person	3/25/2025	YES
Pitt	5/15/2024	
Polk	10/9/2025	YES
Randolph	9/3/2024	
Richmond	8/8/2025	YES
Robeson	8/22/2025	YES
Rockingham	11/5/2024	
Rowan	3/19/2025	
Rutherford	8/15/2025	YES
Sampson	11/4/2024	
Scotland	1/27/2025	
Stanly	10/19/2023	YES
Stokes	6/25/2024	
Surry	3/27/2024	
Swain	10/22/2020	
Transylvania	6/26/2024	

Gates	9/15/2025	YES
Graham	9/12/2025	YES
Granville	10/31/2023	YES
Greene	4/21/2020	
Guilford	3/27/2024	
Halifax	11/21/2024	
Harnett	8/11/2024	
Haywood	1/11/2023	
Henderson	11/14/2025	YES
Hertford	11/6/2023	YES
Hoke	9/19/2024	
Hyde	7/29/2024	
Iredell	9/12/2024	
Jackson	4/8/2024	YES
Johnston	9/3/2024	
Jones	2/6/2023	YES

Tyrrell	8/8/2025	YES
Union	6/5/2024	
Vance	4/23/2025	
Wake	2/9/2023	
Warren	2/5/2021	
Washington	5/1/2023	YES
Watauga	4/14/2021	
Wayne	6/24/2024	
Wilkes	5/9/2022	
Wilson	8/8/2022	
Yadkin	7/9/2025	YES
Yancey	8/15/2025	YES
EBCN Cherokee	9/17/2018	
EBCN Graham	9/21/2018	
EBCN Haywood	9/17/2018	
EBCN Jackson	9/17/2018	

Known Issues:

- Measure Issues
 - 40001949018 - Measures 0.168455-0.210794
 - 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)
- Inventory Issues:
 - 40601820041 inventory coding, should be 4 – Non-inventory
- Route Length Issues:
 - 40003645090 – should be 0.21 miles

Improvements:

- Ownership information has been updated on non-system roads within several municipalities across the state.
- Ownership information (identification of privately maintained roads) has been updated on non-system roads outside of municipalities in divisions 1-9.
- The functional classification data has been updated following the post-census Functional Classification System revaluation.

If you have any questions, please contact gishelp@ncdot.gov.
<https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx>