



NCDOT GIS Unit Announcement – August 3, 2026

The GIS Unit is pleased to announce the release of our 2nd Quarter 2026 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
BoundaryMpoRpo
NCRouteArcs
NCRouteCharacteristics
NCRoutes
NHSRoutes
RoadAccessControl
RoadBarePvmnt
RoadFederalAid
RoadFunctionalClass
RoadPostedRoute
RoadSpeedLimit
RoadUnpaved
RoadFederalAid
RailroadCrossings
RailroadTrack
RailroadFacility

Schema Updates

NCDOT Railroads and NCDOT RailSystem services have added new fields and may require a re-loading of the layer in existing maps to view them:

- **Railroad Crossings** (two new fields: Low_Grnd” and “Low_GrndSigns)



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>)

[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 2026 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
LRS_20040_06-26	2025	LRS Change	US 70 ALT, SR 2303	JOHNSTON
LRS_20024_04-26	2026	LRS Change	SR 1786	PERSON
LRS_3760_05-26	2026	LRS Change	SR 1261	GRAHAM
R-5703	2023	TIP	NC 11, NC 148, SR 1729, 1733, 1767, 1768, 1769, 1835, 9000	LENOIR
I-5711	2024	TIP	SR 2692	ALAMANCE
B-5721	2025	TIP	SR 2177	ROCKINGHAM
BR-0002	2025	TIP	SR 1351	ASHE
BR-0044	2025	TIP	NC 14	ROCKINGHAM
HE-0014	2025	TIP	SR 3529	DAVIDSON
R-5843	2025	TIP	SR 1336	SWAIN
Y-4805F	2026	TIP	SR 2513	WAKE
COR_001_05-26_1	1956	Correction	SR 1900	ALAMANCE
COR_038_06-26_1	1963	Correction	SR 1261	GRAHAM
COR_043_05-26_1	2026	Correction	SR 3237	HARNETT
COR_069_05-26_1	2026	Correction	SR 1391, 1392	PAMLICO
COR_071_05-26_1	2026	Correction	SR 1821	PENDER
LRS_17395_05-26	1935	LRS Change	SR 1167	PERSON
LRS_17419_05-26	1941	LRS Change	SR 1137	CHEROKEE
LRS_20021_04-26	1949	LRS Change	SR 1195	ROWAN
LRS_20057_06-26	1949	LRS Change	SR 2625	ROCKINGHAM
LRS_17394_04-26	1952	LRS Change	SR 1321	PERSON
LRS_17408_06-26	1952	LRS Change	SR 1115	TRANSYLVANIA
LRS_20019_04-26	1952	LRS Change	SR 1913	GASTON

LRS_20031_05-26	1952	LRS Change	SR 1378	WAKE
LRS_17451_05-26	1953	LRS Change	SR 1306	SWAIN
LRS_17391_04-26	1954	LRS Change	SR 1178	PERSON
LRS_17097_05-26	1957	LRS Change	US 264, NC 94	HYDE
LRS_17420_05-26	1957	LRS Change	SR 1138	CHEROKEE
LRS_17417_05-26	1959	LRS Change	SR 1601	CHEROKEE
LRS_16749_05-26	1971	LRS Change	SR 1560	MADISON
LRS_16751_05-26	1972	LRS Change	SR 1117	MITCHELL
LRS_17409_05-26	1975	LRS Change	SR 1596	TRANSYLVANIA
LRS_17389_06-26	1978	LRS Change	SR 1339	PERSON
LRS_17445_06-26	1982	LRS Change	SR 1316	WARREN
LRS_20008_03-26	1982	LRS Change	SR 2087	ROCKINGHAM
LRS_20022_04-26	1984	LRS Change	SR 1153	ROBESON
LRS_1624_03-26	1994	LRS Change	SR 1219	DARE
LRS_16938_05-26	1994	LRS Change	SR 1242, 1622	NORTHAMPTON
LRS_20014_04-26	1995	LRS Change	SR 4493	FORSYTH
LRS_20016_04-26	1995	LRS Change	SR 1749	ALAMANCE
LRS_17393_04-26	2000	LRS Change	SR 1516	PERSON
LRS_5810_05-26	2000	LRS Change	SR 1327	TRANSYLVANIA
LRS_11271_05-26	2003	LRS Change	SR 1120, 1173	WAKE
LRS_17457_05-26	2005	LRS Change	SR 1568	POLK

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	8/21/2025	yes
Alexander	2/23/2026	yes
Alleghany	2/25/2026	yes
Anson	6/3/2026	yes
Ashe	7/11/2025	
Avery	1/25/2021	
Beaufort	8/13/2025	
Bertie	5/2/2025	
Bladen	12/30/2025	yes
Brunswick	8/9/2025	
Buncombe	1/9/2025	
Burke	8/1/2024	
Cabarrus	3/5/2026	yes
Caldwell	3/27/2025	

County	Last Updated	Updated this Quarter
Lee	12/10/2025	
Lenoir	2/5/2020	
Lincoln	1/24/2025	
Macon	7/2/2025	
Madison	6/10/2025	
Martin	10/3/2025	
McDowell	2/12/2026	
Mecklenburg	4/29/2026	yes
Mitchell	8/21/2025	
Montgomery	4/9/2025	
Moore	12/3/2025	
Nash	3/1/2025	
New Hanover	1/28/2025	
Northampton	8/21/2025	

Camden	5/14/2026	yes
Carteret	3/5/2026	yes
Caswell	2/3/2026	yes
Catawba	7/31/2025	
Chatham	5/30/2026	yes
Cherokee	11/7/2025	
Chowan	4/24/2025	
Clay	3/6/2025	
Cleveland	8/13/2025	
Columbus	10/18/2025	yes
Craven	11/6/2023	
Cumberland	6/3/2026	yes
Currituck	9/12/2025	
Dare	12/10/2025	
Davidson	1/9/2025	
Davie	1/3/2026	yes
Duplin	12/10/2025	
Durham	1/28/2025	
Edgecombe	9/30/2025	
Forsyth	11/13/2025	
Franklin	2/5/2026	
Gaston	1/17/2025	
Gates	9/15/2025	
Graham	9/12/2025	
Granville	10/31/2023	
Greene	12/18/2025	
Guilford	3/27/2024	
Halifax	5/6/2025	yes
Harnett	4/27/2026	yes
Haywood	9/24/2025	
Henderson	11/14/2025	
Hertford	11/6/2023	
Hoke	2/3/2026	yes
Hyde	7/29/2024	
Iredell	7/25/2025	yes
Jackson	4/8/2024	
Johnston	3/20/2026	yes
Jones	2/6/2023	

Onslow	2/24/2026	yes
Orange	12/9/2024	
Pamlico	2/12/2025	
Pasquotank	8/9/2024	
Pender	4/1/2025	
Perquimans	9/16/2022	
Person	3/25/2025	
Pitt	6/16/2025	
Polk	10/9/2025	
Randolph	9/3/2024	
Richmond	8/8/2025	
Robeson	8/22/2025	
Rockingham	5/5/2026	yes
Rowan	6/10/2026	yes
Rutherford	8/15/2025	
Sampson	5/14/2026	yes
Scotland	1/27/2025	
Stanly	10/19/2023	
Stokes	3/4/2026	
Surry	2/7/2025	
Swain	6/17/2025	
Transylvania	2/23/2026	yes
Tyrrell	8/8/2025	
Union	3/4/2026	
Vance	4/23/2025	
Wake	3/20/2026	yes
Warren	6/4/2025	
Washington	5/1/2023	
Watauga	2/26/2024	
Wayne	3/27/2035	yes
Wilkes	3/3/2026	yes
Wilson	8/8/2022	
Yadkin	7/9/2025	
Yancey	8/15/2025	
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
 - 80000430064 – begin 0.550519 end 0.57688/80000427064 begin 0.720418 end 0.974673
 - 80007152018 – begin 0.490121 end 1.160062/80007160018 begin 0.828031 end 1.497971
 - 40001147043 - Multiple locations
 - 40001605099 - Measure 7.553901/ 7.458895
 - 40401605099 - Measure 6.053371/ 6.053371
- 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
- Inventory Issues:
 - 40601820041 inventory coding, should be 4 – Non-inventory
- Route Maintenance County Issues:
 - 30400018023 – Measure 0.404567 to 0.918563 should be 30400018055
- Route Dominance Issues
 - 30400018023 (30400018055) – Measure 0.404567 to 0.918563 should be Route 2.
 - 30000018055 – Measure 0.000341 to 0.514551 should be Route 1:
- Projects awaiting documentation to be added to data:
 - Highway Traffic Ordinance needed for US 70 - Havelock Bypass - in Craven County
 - Highway Traffic Ordinance needed for I-295 - Fayetteville Loop - in Cumberland County & Robeson County

Improvements:

No improvements for this quarter

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