

Road Characteristics - Posted Routes, 1st Quarter 2026 - NC Department of Transportation

Geodatabase Feature Class



Tags Transportation, SR, Roads, US, State maintained roads, Streets, NC, Interstate, Major Roads, Centerline, Primary, Secondary, Highways, North Carolina, Division, County, Transportation Planning, Location, Posted Routes, Truck Restrictions

Summary

This feature class contains lines representing designated secondary routes in North Carolina where truck traffic with axle weights exceeding 13,000 pounds is prohibited by ordinance. The data is represented as lines derived from the NCDOT Linear Reference System (LRS) network of routes via the NCRouteCharacteristics data set updated quarterly in support of Highway Performance Monitoring System (HPMS) reporting.

Description

Posted routes in this data set pertain to secondary roads or sections of secondary roads where weight restrictions have been posted by the Department of Transportation (DOT) prohibiting heavy vehicle or equipment traffic--specifically where trucks with axle weights exceeding 13,000 pounds are prohibited by ordinance. The ordinance number that applies to each road segment is provided in this data set as the PostedRoute attribute. These postings are important for ensuring the safety of drivers, passengers, and pedestrians, as well as preserving the condition of the road and nearby infrastructure. As roads are improved and strengthened, they may be removed from this list.

More information about North Carolina's Posted Roads can be found here:

<https://connect.ncdot.gov/resources/Asset-Management/Pages/Posted-Roads.aspx>

Detailed information regarding NCDOT ordinances, including truck restrictions, van be found here:

<https://connect.ncdot.gov/resources/safety/Pages/Safety-Ordinances.aspx>

A Posted and Restricted Roads lookup system can be accessed at this link:

<https://apps.ncdot.gov/PRR/RoadSearch.aspx>

Credits

The North Carolina Department of Transportation, Division of Highways.

Support and maintenance of the enterprise spatial database where this data resides is handled by the North Carolina Department of Information Technology-Transportation, GIS Unit.

Use limitations

The North Carolina Department of Transportation shall not be held liable for any errors in this data. This includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. This data cannot be construed to be a legal document. Primary sources from which this data was compiled must be consulted for verification of information contained in this data.

This data is produced as a derivative of a reporting product out of the NCDOT Linear Referencing System, and is

intended for visualization and reference use only. This is representative data only and is not designed for participation in data analysis or modelling. Use of this data is not analogous to integration with or alignment to NCDOT's Linear Referencing System.

Extent

West -84.226540

East -76.056754

North 36.581589

South 33.812334

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:625,000

Topics and Keywords

Themes or categories of the resource Transportation, Location, Society

Content type Downloadable Data

Theme keywords Transportation, SR, Roads, US, State maintained roads, Streets, NC, Interstate, Major Roads, Centerline, Primary, Secondary, Highways, North Carolina, Division, County, Transportation Planning, Location, Posted Routes, Truck Restrictions

Thesaurus

Title User

Publication date 2026-05-04 00:00:00

Place keywords North Carolina, Division, County

Thesaurus

Title User

Publication date 2026-05-04 00:00:00

Citation

Title Road Characteristics - Posted Routes, 1st Quarter 2026 - NC Department of Transportation

Alternate titles Posted Routes

Publication date 2026-05-04 00:00:00

Presentation formats digital map

FGDC geospatial presentation format vector digital data

Citation Contacts

Responsible party - originator

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical
Delivery point Century Center Building B, 1020 Birch Ridge Drive
City Raleigh
Administrative area NC
Postal code 27610
Country US
e-mail address gishelp@ncdot.gov

Hours of service

9:00am - 5:00pm Monday - Friday

Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, indicate as such in the subject line in an email.

Responsible party - resource provider

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

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Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

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Resource Details

Dataset languages English (UNITED STATES)
Dataset character set utf8 - 8 bit UCS Transfer Format

Status on-going
Spatial representation type vector

Supplemental information

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Processing environment Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

Credits

The North Carolina Department of Transportation, Division of Highways.
Support and maintenance of the enterprise spatial database where this data resides is handled by the North Carolina Department of Information Technology-Transportation, GIS Unit.

Extents

Extent

Geographic extent

Bounding rectangle

West longitude -84.11613
East longitude -75.593013
South latitude 33.792692
North latitude 36.578571
Extent contains the resource Yes

Vertical extent

Minimum value -1.600000
Maximum value 4248.800000

Extent

Geographic extent

Bounding rectangle

West longitude -84.22654

East longitude -76.025754

South latitude 33.812334

North latitude 36.581591

Extent contains the resource Yes

Vertical extent

Minimum value -1.600000

Maximum value 4248.800000

Extent

Geographic extent

Bounding rectangle

Extent type Extent used for searching

West longitude -84.226540

East longitude -76.056754

North latitude 36.581589

South latitude 33.812334

Extent contains the resource Yes

Extent in the item's coordinate system

westBL 463720.270240

eastBL 2864586.249664

southBL 61840.380112

northBL 1030637.856352

exTypeCode Yes

Resource Points of Contact

Point of contact - point of contact

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

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City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

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Contact instructions

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need, indicate as such in the subject line in an email.

Resource Maintenance

Resource maintenance

Update frequency quarterly

Scope of the updates dataset

Other maintenance requirements

The North Carolina Department of Transportation, Division of Highways.

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Maintenance contact - point of contact

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

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Resource Constraints

Legal constraints

Limitations of use

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Security constraints

Classification unclassified

Classification system None

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Constraints

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Spatial Reference

ArcGIS coordinate system

Type Projected

Geographic coordinate reference GCS_North_American_1983

Projection NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet

Coordinate reference details

ProjectedCoordinateSystem

WKID 102719

XOrigin -121841900

YOrigin -93659000

XYScale 1893.9393939393938

ZOrigin -100000

ZScale 9.9999999999999982

MOrigin -100000

MScale 10000000

XYTolerance 0.00528

ZTolerance 0.20000000000000004

MTolerance 9.999999999999995e-07

HighPrecision true

LatestWKID 2264

VCSWKID 105703

LatestVCSWKID 6360

WKT

PROJCS["NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet",GEOGCS["GCS_North_American_1983",DATUM["

Title NCDOT Geospatial Data Specifications

Data quality report - Conceptual consistency

Data quality measure reference

Measure description

Contributing editors are responsible for the quality control and assessment of data at the time of data entry. Additional resources may be utilized by the data owner/editor groups to assess quality of data on a more comprehensive scale. The primary tool in use for quality assessment in the NCDOT LRS Editing System is Esri's Data Reviewer extension. The quality of this data is subject to the oversight of the editing party.

Conformance test results

Test passed Yes

Result explanation

Pass

Product specification

Title NCDOT Geospatial Data Specifications

Data quality report - Quantitative attribute accuracy

Data quality measure reference

Measure description

Contributing editors are responsible for the quality control and assessment of data at the time of data entry. Additional resources may be utilized by the data owner/editor groups to assess quality of data on a more comprehensive scale. The primary tool in use for quality assessment in the NCDOT LRS Editing System is Esri's Data Reviewer extension. The quality of this data is subject to the oversight of the editing party.

Conformance test results

Test passed Yes

Result explanation

Pass.

Product specification

Title NCDOT Geospatial Data Specifications

Lineage

Lineage statement

This data set is derived from the NCRouteCharacteristics data and contains all current Posted Routes. This dataset was originally developed by the North Carolina Department of Transportation, Operations Program Management, in conjunction with the GIS Unit at NCDIT-T, to provide a geographic representation of secondary routes where truck traffic with axle weights exceeding 13,000 pounds is prohibited by ordinance in North Carolina. The GIS Unit modifies the LRS Network routes by creating, editing, or retiring based on official change notification from various NCDOT sources. Once the routes have been edited, business units may update their data as found on the routes based on the same or additional documentation. Web mapping services are created from some of the events. The LRS supports systems, web applications, and geospatial data needs across NCDOT business units, as well as submittal to the Federal Highway Administration's Highway Performance Monitoring System (HPMS).

Process step

Description

Development and maintenance of NCDOT's Linear Referencing System. This includes the road centerline, route network, some events, and other related spatial data.

Process contact - originator

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

9:00am - 5:00pm Monday - Friday

Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, indicate as such in the subject line in an email.

Process step

Description

Routes are created, edited, and/or retired based on official change notification from various NCDOT sources. Road attribute-only information is also provided to the GIS Unit. Once the routes have been edited, business units may update their data as found on the routes based on the same or additional documentation.

Process contact - resource provider

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

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Process step

Description

Road attributes (event data) are referenced to the LRS network (routes). The event is edited by the NCDOT Division of Planning & Programming in an enterprise environment using Esri's online ArcGIS Event Editor software.

Process contact - processor

Organization's name North Carolina Department of Transportation, Operations Program Management

Contact's position Road Inventory Engineer

Contact information

Phone

Voice 919-733-3725

Address

Type physical

Delivery point 4809 Beryl Road

City Raleigh

Administrative area NC

Postal code 27606

Country US

e-mail address jtdavis@ncdot.gov

Hours of service

9:00am - 5:00pm Monday – Friday

Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email.

Process step

Description

The NCRouteCharacteristics data is produced, where this data is derived.

Process contact - point of contact

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

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Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, indicate as such in the subject line in an email.

Distribution

Distributor

Contact information - user

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

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Distribution format

Version 10.8.1

Name File Geodatabase Feature Class

Fields

Details for object RoadPostedRoute

Type Feature Class

Row count 1047

Definition

A system of designated secondary routes where truck traffic with axle weights exceeding 13,000 pounds is prohibited by ordinance

Definition source

North Carolina Department of Transportation

Field PostedRoute

Alias PostedRoute

Data type String

Width 20

Precision 0

Scale 0

Field description

A system of designated secondary routes where truck traffic with axle weights exceeding 13,000 pounds is prohibited by ordinance.

Description source

Federal Highway Administration/NCDOT GIS

Description of values

The ordinance number that pertains to the route segment. A hyphenated internal NCDOT ordinance number comprised of a two-digit truncation of the year the ordinance was enacted followed by a three-digit unique ID. Any value present indicates that the segment is part of the Posted Route system.

Field RouteQualifier

Alias RouteQualifier

Data type String

Width 5

Precision 0

Scale 0

Field description

An additional code that further defines the Dominant Route and is the 2nd digit in the 11 digit route number.

Description source

Federal Highway Administration/NCDOT GIS

List of values

Value 2

Description Bypass Route

Enumerated domain value definition source Valid Route Qualifier Codes

Value 6

Description West Route

Enumerated domain value definition source Valid Route Qualifier Codes

Value 0

Description Normal Route

Enumerated domain value definition source Value 7	Valid Route Qualifier Codes
Description Spur/Connector Route	
Enumerated domain value definition source Value 8	Valid Route Qualifier Codes
Description Truck Route	
Enumerated domain value definition source Value 82	Valid Route Qualifier Codes
Description Non-System Ramp	
Enumerated domain value definition source Value 80	Valid Route Qualifier Codes
Description Ramp	
Enumerated domain value definition source Value 9	Valid Route Qualifier Codes
Description Business Route	
Enumerated domain value definition source Value 1	Valid Route Qualifier Codes
Description Alternate Route	
Enumerated domain value definition source Value 89	Valid Route Qualifier Codes
Description Non-Mainline	
Enumerated domain value definition source Value 5	Valid Route Qualifier Codes
Description East Route	
Enumerated domain value definition source Value 81	Valid Route Qualifier Codes
Description Rest Areas	
Enumerated domain value definition source	Valid Route Qualifier Codes

Field RouteClass

Alias RouteClass

Data type String

Width 5

Precision 0

Scale 0

Field description

Route class code - dominant route classification

Description source

Federal Highway Administration/NCDOT GIS

List of values

Value 4

Description Secondary Route

Enumerated domain value definition source Value 9

Description Projected Route

Enumerated domain value definition source Value 3	Valid Route Class Codes
Description NC Route	
Enumerated domain value definition source Value 7	Valid Route Class Codes
Description Federal Route	
Enumerated domain value definition source Value 81	Valid Route Class Codes
Description Rest Area	
Enumerated domain value definition source Value 6	Valid Route Class Codes
Description Other State Agency Route	
Enumerated domain value definition source Value 89	Valid Route Class Codes
Description Non-Mainline	
Enumerated domain value definition source Value 82	Valid Route Class Codes
Description Non-System Ramp	
Enumerated domain value definition source Value 2	Valid Route Class Codes
Description US Route	
Enumerated domain value definition source Value 80	Valid Route Class Codes
Description Ramp	
Enumerated domain value definition source Value 5	Valid Route Class Codes
Description Non-System	
Enumerated domain value definition source Value 1	Valid Route Class Codes
Description Interstate	
Enumerated domain value definition source	Valid Route Class Codes

Field MaintCntyCode

Alias MaintCntyCode

Data type String

Width 3

Precision 0

Scale 0

Field description

Maintenance county code - county responsible for maintenance and is the last 3 digits of the 11 digit route number.

Description source

NCDOT GIS

List of values

Value 008

Description Bertie

Enumerated domain value definition source Value 067	Valid Sap County Code
Description Onslow	
Enumerated domain value definition source Value 017	Valid Sap County Code
Description Caswell	
Enumerated domain value definition source Value 069	Valid Sap County Code
Description Pamlico	
Enumerated domain value definition source Value 039	Valid Sap County Code
Description Granville	
Enumerated domain value definition source Value 060	Valid Sap County Code
Description Mecklenburg	
Enumerated domain value definition source Value 093	Valid Sap County Code
Description Warren	
Enumerated domain value definition source Value 051	Valid Sap County Code
Description Johnston	
Enumerated domain value definition source Value 086	Valid Sap County Code
Description Surry	
Enumerated domain value definition source Value 098	Valid Sap County Code
Description Wilson	
Enumerated domain value definition source Value 084	Valid Sap County Code
Description Stanly	
Enumerated domain value definition source Value 029	Valid Sap County Code
Description Davidson	
Enumerated domain value definition source Value 048	Valid Sap County Code
Description Hyde	
Enumerated domain value definition source Value 032	Valid Sap County Code
Description Durham	
Enumerated domain value definition source Value 006	Valid Sap County Code
Description Avery	
Enumerated domain value definition source Value 004	Valid Sap County Code
Description Anson	
Enumerated domain value definition source Value 090	Valid Sap County Code

Description	Union	
Enumerated domain value definition source		Valid Sap County Code
Value	061	
Description	Mitchell	
Enumerated domain value definition source		Valid Sap County Code
Value	009	
Description	Bladen	
Enumerated domain value definition source		Valid Sap County Code
Value	066	
Description	Northampton	
Enumerated domain value definition source		Valid Sap County Code
Value	003	
Description	Alleghany	
Enumerated domain value definition source		Valid Sap County Code
Value	092	
Description	Wake	
Enumerated domain value definition source		Valid Sap County Code
Value	047	
Description	Hoke	
Enumerated domain value definition source		Valid Sap County Code
Value	031	
Description	Duplin	
Enumerated domain value definition source		Valid Sap County Code
Value	081	
Description	Rutherford	
Enumerated domain value definition source		Valid Sap County Code
Value	023	
Description	Cleveland	
Enumerated domain value definition source		Valid Sap County Code
Value	065	
Description	New Hanover	
Enumerated domain value definition source		Valid Sap County Code
Value	094	
Description	Washington	
Enumerated domain value definition source		Valid Sap County Code
Value	052	
Description	Jones	
Enumerated domain value definition source		Valid Sap County Code
Value	096	
Description	Wayne	
Enumerated domain value definition source		Valid Sap County Code
Value	100	
Description	Yancey	
Enumerated domain value definition source		Valid Sap County Code
Value	074	
Description	Pitt	
Enumerated domain value definition source		Valid Sap County Code

Value	024	
Description	Columbus	
Enumerated domain value definition source		Valid Sap County Code
Value	033	
Description	Edgecombe	
Enumerated domain value definition source		Valid Sap County Code
Value	099	
Description	Yadkin	
Enumerated domain value definition source		Valid Sap County Code
Value	018	
Description	Catawba	
Enumerated domain value definition source		Valid Sap County Code
Value	062	
Description	Montgomery	
Enumerated domain value definition source		Valid Sap County Code
Value	002	
Description	Alexander	
Enumerated domain value definition source		Valid Sap County Code
Value	019	
Description	Chatham	
Enumerated domain value definition source		Valid Sap County Code
Value	063	
Description	Moore	
Enumerated domain value definition source		Valid Sap County Code
Value	025	
Description	Craven	
Enumerated domain value definition source		Valid Sap County Code
Value	030	
Description	Davie	
Enumerated domain value definition source		Valid Sap County Code
Value	079	
Description	Rockingham	
Enumerated domain value definition source		Valid Sap County Code
Value	095	
Description	Watauga	
Enumerated domain value definition source		Valid Sap County Code
Value	038	
Description	Graham	
Enumerated domain value definition source		Valid Sap County Code
Value	007	
Description	Beaufort	
Enumerated domain value definition source		Valid Sap County Code
Value	034	
Description	Forsyth	
Enumerated domain value definition source		Valid Sap County Code
Value	014	
Description	Caldwell	

Enumerated domain value definition source Value 020	Valid Sap County Code
Description Cherokee	
Enumerated domain value definition source Value 027	Valid Sap County Code
Description Currituck	
Enumerated domain value definition source Value 049	Valid Sap County Code
Description Iredell	
Enumerated domain value definition source Value 021	Valid Sap County Code
Description Chowan	
Enumerated domain value definition source Value 028	Valid Sap County Code
Description Dare	
Enumerated domain value definition source Value 064	Valid Sap County Code
Description Nash	
Enumerated domain value definition source Value 043	Valid Sap County Code
Description Harnett	
Enumerated domain value definition source Value 058	Valid Sap County Code
Description Martin	
Enumerated domain value definition source Value 057	Valid Sap County Code
Description Madison	
Enumerated domain value definition source Value 037	Valid Sap County Code
Description Gates	
Enumerated domain value definition source Value 056	Valid Sap County Code
Description Macon	
Enumerated domain value definition source Value 005	Valid Sap County Code
Description Ashe	
Enumerated domain value definition source Value 068	Valid Sap County Code
Description Orange	
Enumerated domain value definition source Value 045	Valid Sap County Code
Description Henderson	
Enumerated domain value definition source Value 036	Valid Sap County Code
Description Gaston	
Enumerated domain value definition source Value 071	Valid Sap County Code

Description	Pender	
Enumerated domain value definition source		Valid Sap County Code
Value	083	
Description	Scotland	
Enumerated domain value definition source		Valid Sap County Code
Value	042	
Description	Halifax	
Enumerated domain value definition source		Valid Sap County Code
Value	077	
Description	Richmond	
Enumerated domain value definition source		Valid Sap County Code
Value	085	
Description	Stokes	
Enumerated domain value definition source		Valid Sap County Code
Value	044	
Description	Haywood	
Enumerated domain value definition source		Valid Sap County Code
Value	050	
Description	Jackson	
Enumerated domain value definition source		Valid Sap County Code
Value	035	
Description	Franklin	
Enumerated domain value definition source		Valid Sap County Code
Value	076	
Description	Randolph	
Enumerated domain value definition source		Valid Sap County Code
Value	082	
Description	Sampson	
Enumerated domain value definition source		Valid Sap County Code
Value	070	
Description	Pasquotank	
Enumerated domain value definition source		Valid Sap County Code
Value	022	
Description	Clay	
Enumerated domain value definition source		Valid Sap County Code
Value	087	
Description	Swain	
Enumerated domain value definition source		Valid Sap County Code
Value	016	
Description	Carteret	
Enumerated domain value definition source		Valid Sap County Code
Value	089	
Description	Tyrrell	
Enumerated domain value definition source		Valid Sap County Code
Value	013	
Description	Cabarrus	
Enumerated domain value definition source		Valid Sap County Code

Value	001	
Description	Alamance	
Enumerated domain value definition source		Valid Sap County Code
Value	088	
Description	Transylvania	
Enumerated domain value definition source		Valid Sap County Code
Value	072	
Description	Perquimans	
Enumerated domain value definition source		Valid Sap County Code
Value	054	
Description	Lenoir	
Enumerated domain value definition source		Valid Sap County Code
Value	012	
Description	Burke	
Enumerated domain value definition source		Valid Sap County Code
Value	059	
Description	McDowell	
Enumerated domain value definition source		Valid Sap County Code
Value	073	
Description	Person	
Enumerated domain value definition source		Valid Sap County Code
Value	026	
Description	Cumberland	
Enumerated domain value definition source		Valid Sap County Code
Value	080	
Description	Rowan	
Enumerated domain value definition source		Valid Sap County Code
Value	040	
Description	Greene	
Enumerated domain value definition source		Valid Sap County Code
Value	055	
Description	Lincoln	
Enumerated domain value definition source		Valid Sap County Code
Value	053	
Description	Lee	
Enumerated domain value definition source		Valid Sap County Code
Value	015	
Description	Camden	
Enumerated domain value definition source		Valid Sap County Code
Value	041	
Description	Guilford	
Enumerated domain value definition source		Valid Sap County Code
Value	010	
Description	Brunswick	
Enumerated domain value definition source		Valid Sap County Code
Value	011	
Description	Buncombe	

Enumerated domain value definition source Value 097	Valid Sap County Code
Description Wilkes	
Enumerated domain value definition source Value 075	Valid Sap County Code
Description Polk	
Enumerated domain value definition source Value 091	Valid Sap County Code
Description Vance	
Enumerated domain value definition source Value 046	Valid Sap County Code
Description Hertford	
Enumerated domain value definition source Value 078	Valid Sap County Code
Description Robeson	
Enumerated domain value definition source	Valid Sap County Code

Field RouteInventory

Alias RouteInventory

Data type String

Width 1

Precision 0

Scale 0

Field description

The NCDOT Route Direction for Dominant Route and is the 3rd digit of the 11 digit route number.

Description source

NCDOT GIS

List of values

Value 4

Description Non-Inventory (Southbound)

Enumerated domain value definition source Valid Inventory Codes

Value 9

Description Non-Inventory (Counter-Clockwise)

Enumerated domain value definition source Valid Inventory Codes

Value 6

Description Non-Inventory (Westbound)

Enumerated domain value definition source Valid Inventory Codes

Value 8

Description Inventory (Clockwise)

Enumerated domain value definition source Valid Inventory Codes

Value 0

Description Inventory

Enumerated domain value definition source Valid Inventory Codes

Field Routeld

Alias Routeld

Data type String

Width 15

Precision 0

Scale 0

Field description

Route Identifier for Dominant Route. the 11 digit composite route number.

More information explaining this route naming convention used by NCDOT is available here:

<https://xfer.services.ncdot.gov/gisdot/DistDOTData/Guide%20to%20the%20NCDOT%20Eleven-Digit%20Route%20Number%20-%20Rome%20Implementation.pdf>

Description source

NCDOT GIS

Description of values

Positive 11 digit numbers.

Field RouteNumber

Alias RouteNumber

Data type String

Width 5

Precision 0

Scale 0

Field description

Route number.

Description source

Federal Highway Administration/NCDOT GIS

Description of values

Positive real numbers that are manually generated

Field OBJECTID

Alias OBJECTID

Data type OID

Width 4

Precision 0

Scale 0

Field description

Internal feature number.

Description source

Esri

Description of values

Sequential unique whole numbers that are automatically generated.

Field Direction

Alias Direction

Data type String

Width 2

Precision 0

Scale 0

Field description

Indicates the actual direction of the route.

Description source

NCDOT GIS

List of values

Value EB

Description Eastbound

Enumerated domain value definition source Valid Direction values.

Value CC

Description Counterclockwise

Enumerated domain value definition source Valid Direction values.

Value NB

Description Northbound

Enumerated domain value definition source Valid Direction values.

Value SB

Description Southbound

Enumerated domain value definition source Valid Direction values.

Value CW

Description Clockwise

Enumerated domain value definition source Valid Direction values.

Value WB

Description Westbound

Enumerated domain value definition source Valid Direction values.

Value BD

Description Bidirectional

Enumerated domain value definition source Valid Direction values.

Value OI

Description Oneway Inventory

Enumerated domain value definition source Valid Direction values.

Value OO

Description Oneway Opposite

Enumerated domain value definition source Valid Direction values.

Field SHAPE

Alias Shape

Data type Geometry

Width 0

Precision 0

Scale 0

Field description

Feature geometry.

Description source

Esri

Description of values

Coordinates defining the features.

Field BeginMp

Alias BeginMp

Data type Double

Width 8

Precision 0

Scale 0

Field description

Beginning Milepost for Dominant Route.

Description source

NCDOT

Description of values

Numbers; six decimals.

Field EndMp

Alias EndMp

Data type Double

Width 8

Precision 0

Scale 0

Field description

The ending milepost for route at that point on the segment.

Description source

NCDOT GIS

Description of values

Numbers; six decimals.

Field SHAPE_Length

Alias Shape_Length

Data type Double

Width 8

Precision 0

Scale 0

Field description

Length of feature in internal units.

Description source

Esri

Description of values

Positive real numbers that are automatically generated.

Metadata Details

Metadata language English (UNITED STATES)

Metadata character set utf8 - 8 bit UCS Transfer Format

Scope of the data described by the metadata dataset

Scope name dataset

Last update 2026-04-16

ArcGIS metadata properties

Metadata format ArcGIS 1.0

Metadata style ISO 19139 Metadata Implementation Specification

Standard or profile used to edit metadata ISO19139

Created in ArcGIS for the item 2026-04-15 11:15:03

Last modified in ArcGIS for the item 2026-04-16 10:13:38

Automatic updates

Have been performed Yes

Last update 2026-04-16 10:13:17

Metadata Contacts

Metadata contact - point of contact

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

9:00am - 5:00pm Monday - Friday

Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, indicate as such in the subject line in an email.

Metadata Maintenance

Maintenance

Update frequency quarterly

Scope of the updates dataset

Maintenance contact - point of contact

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

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Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, indicate as such in the subject line in an email.

Metadata Constraints

Security constraints

Classification unclassified

Classification system None

Limitations of use

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Constraints

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Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file