

Road Characteristics - Posted Routes, 2nd 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 2026-08-03 00:00:00

Place keywords North Carolina, Division, County

Thesaurus

Title User

Publication date 2026-08-03 00:00:00

Citation

Title Road Characteristics - Posted Routes, 2nd Quarter 2026 - NC Department of Transportation

Alternate titles Posted Routes

Publication date 2026-08-03 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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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.

ArcGIS item properties

Name RoadPostedRoute

Location file://\DOT\DFSROOT01\GROUPS-GISCC\GIS-SpatialDataMgmt\Maintenance\QuarterlyDataRefresh\Route\2026Q2\Review\Supplemental.gdb

Access protocol Local Area Network

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

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

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Resource Maintenance

Resource maintenance

Update frequency quarterly

Scope of the updates dataset

Other maintenance requirements

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.

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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Country US

e-mail address gishelp@ncdot.gov

Hours of service

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

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Resource Constraints

Legal constraints

Limitations of use

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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.

Security constraints

Classification unclassified
Classification system None

Limitations of use

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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["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-79.0],PARAMETER["Standard_Parallel_1",34.33333333333334],PARAMETER["Standard_Parallel_2",36.16666666666666],PARAMETER["Latitude_Of_Origin",33.75],UNIT["Foot_US",0.3048006096012192]],VERTCS["NAD_1988_Foot_US",VDATUM["North_American_Vertical_Datum_1988"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot_US",0.3048006096012192]]

Reference system identifier

Value 2264

Codespace EPSG

Version 6.12(9.0.0)

Spatial Data Properties

Vector

Level of topology for this dataset geometry only

Geometric objects

Feature class name RoadPostedRoute

Object type composite

Object count 1047

ArcGIS Feature Class Properties

Feature class name RoadPostedRoute

Feature type Simple

Geometry type Polyline

Has topology FALSE

Feature count 1047

Spatial index TRUE

Linear referencing TRUE

Data Quality

Scope of quality information

Resource level dataset

Data quality report - Completeness commission

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 - 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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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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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

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.

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

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.

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 Valid Route Qualifier Codes

Value 7
Description Spur/Connector Route
Enumerated domain value definition source Valid Route Qualifier Codes

Value 8
Description Truck Route
Enumerated domain value definition source Valid Route Qualifier Codes

Value 82
Description Non-System Ramp
Enumerated domain value definition source Valid Route Qualifier Codes

Value 80
Description Ramp
Enumerated domain value definition source Valid Route Qualifier Codes

Value 9
Description Business Route
Enumerated domain value definition source Valid Route Qualifier Codes

Value 1
Description Alternate Route
Enumerated domain value definition source Valid Route Qualifier Codes

Value 89
Description Non-Mainline
Enumerated domain value definition source Valid Route Qualifier Codes

Value 5
Description East Route
Enumerated domain value definition source Valid Route Qualifier Codes

Value 81
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 Valid Route Class Codes

Value 9

Description Projected Route

Enumerated domain value definition source Valid Route Class Codes

Value 3

Description NC Route

Enumerated domain value definition source Valid Route Class Codes

Value 7

Description Federal Route

Enumerated domain value definition source Valid Route Class Codes

Value 81

Description Rest Area

Enumerated domain value definition source Valid Route Class Codes

Value 6

Description Other State Agency Route

Enumerated domain value definition source Valid Route Class Codes

Value 89

Description Non-Mainline

Enumerated domain value definition source Valid Route Class Codes

Value 82

Description Non-System Ramp

Enumerated domain value definition source Valid Route Class Codes

Value 2

Description US Route

Enumerated domain value definition source Valid Route Class Codes

Value 80

Description Ramp

Enumerated domain value definition source Valid Route Class Codes

Value 5

Description Non-System
Enumerated domain value definition source Valid Route Class Codes

Value 1
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 Valid Sap County Code

Value 067
Description Onslow
Enumerated domain value definition source Valid Sap County Code

Value 017
Description Caswell
Enumerated domain value definition source Valid Sap County Code

Value 069
Description Pamlico
Enumerated domain value definition source Valid Sap County Code

Value 039
Description Granville
Enumerated domain value definition source Valid Sap County Code

Value 060
Description Mecklenburg
Enumerated domain value definition source Valid Sap County Code

Value 093
Description Warren

Enumerated domain value definition source Valid Sap County Code

Value 051

Description Johnston

Enumerated domain value definition source Valid Sap County Code

Value 086

Description Surry

Enumerated domain value definition source Valid Sap County Code

Value 098

Description Wilson

Enumerated domain value definition source Valid Sap County Code

Value 084

Description Stanly

Enumerated domain value definition source Valid Sap County Code

Value 029

Description Davidson

Enumerated domain value definition source Valid Sap County Code

Value 048

Description Hyde

Enumerated domain value definition source Valid Sap County Code

Value 032

Description Durham

Enumerated domain value definition source Valid Sap County Code

Value 006

Description Avery

Enumerated domain value definition source Valid Sap County Code

Value 004

Description Anson

Enumerated domain value definition source Valid Sap County Code

Value 090

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 Valid Sap County Code

Value 020
Description Cherokee
Enumerated domain value definition source Valid Sap County Code

Value 027
Description Currituck
Enumerated domain value definition source Valid Sap County Code

Value 049
Description Iredell
Enumerated domain value definition source Valid Sap County Code

Value 021
Description Chowan
Enumerated domain value definition source Valid Sap County Code

Value 028
Description Dare
Enumerated domain value definition source Valid Sap County Code

Value 064
Description Nash
Enumerated domain value definition source Valid Sap County Code

Value 043
Description Harnett
Enumerated domain value definition source Valid Sap County Code

Value 058
Description Martin

Enumerated domain value definition source Valid Sap County Code

Value 057

Description Madison

Enumerated domain value definition source Valid Sap County Code

Value 037

Description Gates

Enumerated domain value definition source Valid Sap County Code

Value 056

Description Macon

Enumerated domain value definition source Valid Sap County Code

Value 005

Description Ashe

Enumerated domain value definition source Valid Sap County Code

Value 068

Description Orange

Enumerated domain value definition source Valid Sap County Code

Value 045

Description Henderson

Enumerated domain value definition source Valid Sap County Code

Value 036

Description Gaston

Enumerated domain value definition source Valid Sap County Code

Value 071

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

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 2026-07-21

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 2026-07-14 10:30:24

Last modified in ArcGIS for the item 2026-07-21 15:06:40

Automatic updates

Have been performed Yes

Last update 2026-07-21 15:06:25

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
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 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