

Road Characteristics - Posted Routes, 4th Quarter 2025 - 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, can 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 2026-02-23 00:00:00

Place keywords North Carolina, Division, County

Thesaurus

Title User
Publication date 2026-02-23 00:00:00

Citation

Title Road Characteristics - Posted Routes, 4th Quarter 2025 - NC Department of Transportation
Alternate titles Posted Routes
Publication date 2026-02-23 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

Contact information

Address

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Responsible party - point of contact

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.

ArcGIS item properties

Name RoadPostedRoute

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

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 Constraints

Legal constraints

Limitations of use

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Security constraints

Classification unclassified

Classification system None

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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["NAVD_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 1046

ArcGIS Feature Class Properties

Feature class name RoadPostedRoute
Feature type Simple
Geometry type Polyline
Has topology FALSE

Feature count 1046
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

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

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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

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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 1046

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

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 2026-01-30

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 2026-01-26 16:54:26

Last modified in ArcGIS for the item 2026-01-30 13:57:37

Automatic updates

Have been performed Yes

Last update 2026-01-30 13:57:15

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

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Contact instructions

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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