

Road Characteristics - Speed Limit, 2nd Quarter 2026 - NC Department of Transportation

Geodatabase Feature Class



Tags SR, Roads, US, State maintained roads, Streets, NC, Interstate, Major Roads, Centerline, Primary, Secondary, Highways, Transportation, North Carolina, Division, County, Transportation Planning, Location, Speed Limit

Summary

This feature class contains lines representing state-maintained roads of North Carolina with respective posted speed limits. This data comes from traffic ordinances governing speed limit; where there is no ordinance, the speed limit is 35 within municipalities and 55 outside. 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

This layer is delivered for the purpose of visual representation of speed limit data for the state road system. All maximum speed limits are established by North Carolina General Statute 20-141 (b) as being 35 miles per hour (MPH) for all vehicles within the corporate limits of a municipality and 55 MPH for all vehicles outside the corporate limits of a municipality. However, North Carolina General Statutes 20-141 (d) and 20-141 (f) allow the North Carolina Department of Transportation (NCDOT) to change maximum speed limits on State Highway System (SHS) roads following a traffic engineering study. Speed limits established by incorporated municipalities on non-SHS routes are not included in this data.

Roads are designed for a specific speed. The N.C. Department of Transportation sets the speed limit for all state-maintained roads, including access-controlled highways, which are highways with medians that require drivers to enter or exit only at interchanges with bridges, inside the town or city limits. For other state-maintained roads within the municipal limits, NCDOT and the town or city must concur before changing the speed limit. NCDOT may review the speed limit for various reasons, such as part of a study to improve highway safety, or for proposed new developments. Citizens and local officials may also request NCDOT to conduct a speed zone study to determine whether a road has the appropriate speed limits and signage.

The department considers several factors when adjusting the speed limit, such as:

- Alignment of the roadway
- Types of development along the roadway
- The density, or number, of driveways on a corridor
- How far one can see on the road
- Crash history
- Various speed data

One of the most common types of speed data NCDOT uses is based on the speed at or below which 85 percent of

drivers are traveling. NCDOT uses the 85th percentile to help avoid posting speed limits that are artificially low, which can become difficult to enforce. In the absence of strict enforcement, most people drive at the speed they are comfortable with, regardless of the speed limit.

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 -84.421464
East -75.418363
North 36.615120
South 33.751289

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 SR, Roads, US, State maintained roads, Streets, NC, Interstate, Major Roads, Centerline, Primary, Secondary, Highways, Transportation, North Carolina, Division, County, Transportation Planning, Location, Speed Limit

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 - Speed Limit, 2nd Quarter 2026 - NC Department of Transportation

Alternate titles Speed Limit

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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Responsible party - point of contact

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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 RoadSpeedLimit

Location file://\\DOT\DFSROOT01\GROUPS-GISCC\GIS-

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

Vertical extent

Minimum value -4.800000

Maximum value 6577.400000

Extent

Geographic extent

Bounding rectangle

West longitude -84.421464

East longitude -75.418363

South latitude 33.751362

North latitude 36.615122

Extent contains the resource Yes

Vertical extent

Minimum value -4.800000

Maximum value 6577.400000

Extent

Geographic extent

Bounding rectangle

Extent type

Extent used for searching

West longitude -84.421464

East longitude -75.418363

North latitude 36.615120

South latitude 33.751289

Extent contains the resource Yes

Extent in the item's coordinate system

westBL 406980.080272

eastBL 3051823.000288

southBL 42538.094560

northBL 1042847.424976

exTypeCode Yes

Resource Points of Contact

Point of 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

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Delivery point Century Center Building B, 1020 Birch Ridge Drive
City Raleigh
Administrative area NC
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e-mail address gishelp@ncdot.gov

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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.

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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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Contact instructions

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Resource Constraints

Legal constraints

Limitations of use

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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 RoadSpeedLimit
Object type composite
Object count 111233

ArcGIS Feature Class Properties

Feature class name RoadSpeedLimit
Feature type Simple
Geometry type Polyline
Has topology FALSE
Feature count 111233
Spatial index TRUE
Linear referencing TRUE

Data Quality

Scope of quality information

Resource level dataset

Lineage

Lineage statement

This data set is derived from the NCRouteCharacteristics data and contains speed limits.

This dataset was originally developed by the North Carolina Department of Transportation, Traffic Safety Unit, in conjunction with the GIS Unit at NCDIT-T, to provide a geographic representation of posted speed limits 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

Data compiled, metadata updated and data set readied for publication.

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

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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

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Administrative area NC

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Hours of service

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

Contact instructions

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Distribution

Distributor

Contact information - distributor

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

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Distribution format

Version 10.8.1

Name File Geodatabase Feature Class

Fields

Details for object RoadSpeedLimit

Type Feature Class

Row count 111233

Definition

This data comes from traffic ordinances governing speed limit; where there is no ordinance, the speed limit is 35 within municipalities and 55 outside.

Definition source

North Carolina Department of Transportation

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 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 017

Description Caswell

Enumerated domain value definition source Valid Sap County Code

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

Value 010
Description Brunswick
Enumerated domain value definition source Valid Sap County Code

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

Value 002
Description Alexander
Enumerated domain value definition source Valid Sap County Code

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

Value 036
Description Gaston
Enumerated domain value definition source Valid Sap County Code

Value 051
Description Johnston
Enumerated domain value definition source Valid Sap County Code

Value 098
Description Wilson
Enumerated domain value definition source Valid Sap County Code

Value 075
Description Polk
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 045
Description Henderson
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 086
Description Surry
Enumerated domain value definition source Valid Sap County Code

Value 026
Description Cumberland
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 056
Description Macon
Enumerated domain value definition source Valid Sap County Code

Value 094
Description Washington
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 038

Description Graham
Enumerated domain value definition source Valid Sap County Code

Value 065
Description New Hanover
Enumerated domain value definition source Valid Sap County Code

Value 033
Description Edgecombe
Enumerated domain value definition source Valid Sap County Code

Value 052
Description Jones
Enumerated domain value definition source Valid Sap County Code

Value 097
Description Wilkes
Enumerated domain value definition source Valid Sap County Code

Value 034
Description Forsyth
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 013
Description Cabarrus
Enumerated domain value definition source Valid Sap County Code

Value 095
Description Watauga
Enumerated domain value definition source Valid Sap County Code

Value 063
Description Moore
Enumerated domain value definition source Valid Sap County Code

Value 037
Description Gates
Enumerated domain value definition source Valid Sap County Code

Value 062
Description Montgomery

Enumerated domain value definition source Valid Sap County Code

Value 072

Description Perquimans

Enumerated domain value definition source Valid Sap County Code

Value 019

Description Chatham

Enumerated domain value definition source Valid Sap County Code

Value 088

Description Transylvania

Enumerated domain value definition source Valid Sap County Code

Value 089

Description Tyrrell

Enumerated domain value definition source Valid Sap County Code

Value 087

Description Swain

Enumerated domain value definition source Valid Sap County Code

Value 079

Description Rockingham

Enumerated domain value definition source Valid Sap County Code

Value 100

Description Yancey

Enumerated domain value definition source Valid Sap County Code

Value 039

Description Granville

Enumerated domain value definition source Valid Sap County Code

Value 007

Description Beaufort

Enumerated domain value definition source Valid Sap County Code

Value 076

Description Randolph

Enumerated domain value definition source Valid Sap County Code

Value 099

Description Yadkin

Enumerated domain value definition source Valid Sap County Code

Value 027

Description Currituck

Enumerated domain value definition source Valid Sap County Code

Value 064
Description Nash
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 014
Description Caldwell
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 061
Description Mitchell
Enumerated domain value definition source Valid Sap County Code

Value 077
Description Richmond
Enumerated domain value definition source Valid Sap County Code

Value 018
Description Catawba
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 069
Description Pamlico
Enumerated domain value definition source Valid Sap County Code

Value 025
Description Craven
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 022
Description Clay
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 082
Description Sampson
Enumerated domain value definition source Valid Sap County Code

Value 008
Description Bertie
Enumerated domain value definition source Valid Sap County Code

Value 070

Description Pasquotank
Enumerated domain value definition source Valid Sap County Code

Value 023
Description Cleveland
Enumerated domain value definition source Valid Sap County Code

Value 092
Description Wake
Enumerated domain value definition source Valid Sap County Code

Value 016
Description Carteret
Enumerated domain value definition source Valid Sap County Code

Value 090
Description Union
Enumerated domain value definition source Valid Sap County Code

Value 003
Description Alleghany
Enumerated domain value definition source Valid Sap County Code

Value 001
Description Alamance
Enumerated domain value definition source Valid Sap County Code

Value 057
Description Madison
Enumerated domain value definition source Valid Sap County Code

Value 093
Description Warren
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 030
Description Davie

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 054

Description Lenoir

Enumerated domain value definition source Valid Sap County Code

Value 011

Description Buncombe

Enumerated domain value definition source Valid Sap County Code

Value 048

Description Hyde

Enumerated domain value definition source Valid Sap County Code

Value 096

Description Wayne

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 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 EndMp

Alias EndMp
Data type Double

Width 8
Precision 0
Scale 0

Field description

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

Description source

NCDOT GIS

Description of values

Numbers; six decimals.

Field BeginMp

Alias BeginMp
Data type Double
Width 8
Precision 0
Scale 0

Field description

The beginning milepost for the dominant route at that point on the segment.

Description source

NCDOT

Description of values

Numbers; six decimals.

Field SpeedLimit

Alias SpeedLimit
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

The posted speed limit in miles per hour.

Description source

Federal Highway Administration/NCDOT GIS

Description of values

Positive numbers

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 10:35:13
Last modified in ArcGIS for the item 2026-07-21 15:07:06

Automatic updates

Have been performed Yes
Last update 2026-07-21 15:06:47

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

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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

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.

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Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file