

# Road Characteristics - Speed Limit, 4th Quarter 2025 - 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** 2026-02-23 00:00:00

**Place keywords** North Carolina, Division, County

## Thesaurus

**Title** User

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## Citation

**Title** Road Characteristics - Speed Limit, 4th Quarter 2025 - NC Department of Transportation

**Alternate titles** Speed Limit

**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

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

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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

### 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

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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

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**Delivery point** Century Center Building B, 1020 Birch Ridge Drive  
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**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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### **Constraints**

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## **Spatial Reference**

## ArcGIS coordinate system

**Type** Projected

**Geographic coordinate reference** GCS\_North\_American\_1983

**Projection** NAD\_1983\_StatePlane\_North\_Carolina\_FIPS\_3200\_Feet

### Coordinate reference details

#### ProjectedCoordinateSystem

**WKID** 102719

**XOrigin** -121841900

**YOrigin** -93659000

**XYScale** 1893.9393939393938

**ZOrigin** -100000

**ZScale** 9.9999999999999982

**MOrigin** -100000

**MScale** 10000000

**XYTolerance** 0.00528

**ZTolerance** 0.20000000000000004

**MTolerance** 9.999999999999995e-07

**HighPrecision** true

**LatestWKID** 2264

**VCSWKID** 105703

**LatestVCSWKID** 6360

#### WKT

```
PROJCS["NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet",GEOGCS["GCS_North_American_1983",DATUM["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** RoadSpeedLimit

**Object type** composite

**Object count** 110748

## ArcGIS Feature Class Properties

**Feature class name** RoadSpeedLimit  
**Feature type** Simple  
**Geometry type** Polyline  
**Has topology** FALSE  
**Feature count** 110748  
**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

#### Address

**Type** physical

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

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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

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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

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**Administrative area** NC

**Postal code** 27610

**Country** US

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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** 110748

#### 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

## 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

## 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%20Even-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** 2026-01-30

### 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 17:10:03

**Last modified in ArcGIS for the item** 2026-01-30 13:58:09

### Automatic updates

**Have been performed** Yes  
**Last update** 2026-01-30 13:57:44

## 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

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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