

Road Characteristics - Speed Limit, 1st 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 2026-05-04 00:00:00

Place keywords North Carolina, Division, County

Thesaurus

Title User

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

Citation

Title Road Characteristics - Speed Limit, 1st Quarter 2026 - NC Department of Transportation

Alternate titles Speed Limit

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

Presentation formats digital map

FGDC geospatial presentation format vector digital data

Citation Contacts

Responsible party - originator

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

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

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

Contact instructions

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

Responsible party - resource provider

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

Contact's position GIS Data and Services Consultant

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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.

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.

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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

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City Raleigh

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Country US

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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

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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["79.0"],PARAMETER["Standard_Parallel_1",34.33333333333334],PARAMETER["Standard_Parallel_2",36.16666666666667],

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 111153

ArcGIS Feature Class Properties

Feature class name RoadSpeedLimit

Feature type Simple

Geometry type Polyline

Has topology FALSE

Feature count 111153

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

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Contact instructions

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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

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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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Delivery point Century Center Building B, 1020 Birch Ridge Drive

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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 111153

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 Value 029	Valid Sap County Code
Description Davidson	
Enumerated domain value definition source Value 045	Valid Sap County Code
Description Henderson	
Enumerated domain value definition source Value 032	Valid Sap County Code
Description Durham	
Enumerated domain value definition source Value 006	Valid Sap County Code
Description Avery	
Enumerated domain value definition source Value 004	Valid Sap County Code
Description Anson	
Enumerated domain value definition source Value 086	Valid Sap County Code
Description Surry	
Enumerated domain value definition source Value 026	Valid Sap County Code
Description Cumberland	
Enumerated domain value definition source Value 009	Valid Sap County Code
Description Bladen	
Enumerated domain value definition source Value 066	Valid Sap County Code
Description Northampton	
Enumerated domain value definition source Value 056	Valid Sap County Code
Description Macon	
Enumerated domain value definition source Value 094	Valid Sap County Code
Description Washington	
Enumerated domain value definition source Value 047	Valid Sap County Code
Description Hoke	
Enumerated domain value definition source Value 031	Valid Sap County Code
Description Duplin	
Enumerated domain value definition source Value 081	Valid Sap County Code
Description Rutherford	
Enumerated domain value definition source Value 038	Valid Sap County Code
Description Graham	
Enumerated domain value definition source Value 065	Valid Sap County Code

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 Value 077	Valid Sap County Code
Description Richmond	
Enumerated domain value definition source Value 018	Valid Sap County Code
Description Catawba	
Enumerated domain value definition source Value 005	Valid Sap County Code
Description Ashe	
Enumerated domain value definition source Value 068	Valid Sap County Code
Description Orange	
Enumerated domain value definition source Value 069	Valid Sap County Code
Description Pamlico	
Enumerated domain value definition source Value 025	Valid Sap County Code
Description Craven	
Enumerated domain value definition source Value 071	Valid Sap County Code
Description Pender	
Enumerated domain value definition source Value 083	Valid Sap County Code
Description Scotland	
Enumerated domain value definition source Value 042	Valid Sap County Code
Description Halifax	
Enumerated domain value definition source Value 022	Valid Sap County Code
Description Clay	
Enumerated domain value definition source Value 085	Valid Sap County Code
Description Stokes	
Enumerated domain value definition source Value 044	Valid Sap County Code
Description Haywood	
Enumerated domain value definition source Value 050	Valid Sap County Code
Description Jackson	
Enumerated domain value definition source Value 035	Valid Sap County Code
Description Franklin	
Enumerated domain value definition source Value 082	Valid Sap County Code
Description Sampson	
Enumerated domain value definition source Value 008	Valid Sap County Code

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 2026-04-16

ArcGIS metadata properties

Metadata format ArcGIS 1.0

Metadata style ISO 19139 Metadata Implementation Specification

Standard or profile used to edit metadata ISO19139

Created in ArcGIS for the item 2026-04-15 11:20:01

Last modified in ArcGIS for the item 2026-04-16 10:14:04

Automatic updates

Have been performed Yes
Last update 2026-04-16 10:13:45

Metadata Contacts

Metadata contact - point of contact

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

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

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

Contact instructions

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

Metadata Maintenance

Maintenance

Update frequency quarterly

Scope of the updates dataset

Maintenance contact - point of contact

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

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

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Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate

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

Metadata Constraints

Security constraints

Classification unclassified

Classification system None

Limitations of use

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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Constraints

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Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file