

# Public Road Arcs, 3rd Quarter 2020 - NC Department of Transportation

## SDE Feature Class



## Tags

Downloadable Data, Centerline, Roads, US, SR, Major Roads, North Carolina, Primary, Transportation, Streets, Secondary, Division, NC, Interstate, State maintained roads, Highways, County

## Summary

For visual representation of public roads in North Carolina. System roads (state maintained) are current through June 2020 for changes by NCDOT Petitions and Municipal Agreements process. For more detailed information about system and non-system road data please refer to the documentation using the link in the Distribution section. Other information concerning known route issues is found in Supplemental Information/ Resource Details section.

## Description

An arc layer for visual representation of statewide road centerlines on publicly accessible roads segmented by road intersections and street names. The state road system is comprised of Interstate, US, NC, Secondary Routes, and Ramps. Each arc/record is split where road characteristics change along a route. This dataset supports the Federal Highway Administration's (FHWA) data requirements for the Highway Performance Monitoring System (HPMS). HPMS is a national level highway information system that includes data on the extent, condition, performance, use, and operating characteristics of the Nation's highways. States are required to submit an HPMS report to FHWA annually. This dataset also contains projected routes, generalized locations of routes that will become part of the National Highway System (NHS) when they are built. The non-system roads are consumed and conflated from authoritative sources, including local (i.e. county), state (i.e. parks) and federal (i.e. Forest Service) entities. This dataset is updated daily. Data quality is tracked using the revision document fields (GeoDocType and GeoDocId). Legacy data are coded as not verified in the GeoDocType field. The geometry and spatial location of new data is verified with the most current information available (i.e aerial imagery).

## Credits

Spatial Data Management Group - Product creation; Data Conversion Group – System geometry, mileage, events; Local County Government – Non-system geometry, Street Name event

## 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.

## Extent

**West** -84.421464    **East** -75.418363  
**North** 36.615122    **South** 33.733304

## Scale Range

**Maximum (zoomed in)** 1:5,000  
**Minimum (zoomed out)** 1:150,000,000

## ArcGIS Metadata ▶

## Topics and Keywords ▶

THEMES OR CATEGORIES OF THE RESOURCE transportation

CONTENT TYPE Downloadable Data

PLACE KEYWORDS North Carolina, Division, County

### THESAURUS ▶

TITLE User

CREATION DATE 2020-08-10 00:00:00

PUBLICATION DATE 2020-08-10 00:00:00

*Hide Thesaurus ▲*

THEME KEYWORDS Transportation

### THESAURUS ▶

TITLE ISO 19115 Topic Category

CREATION DATE 2020-08-10 00:00:00

PUBLICATION DATE 2020-08-10 00:00:00

*Hide Thesaurus ▲*

THEME KEYWORDS Centerline, Roads, US, SR, Major Roads, Primary, Streets, Secondary, NC, Interstate, State maintained roads, Highways

### THESAURUS ▶

TITLE User

CREATION DATE 2020-08-10 00:00:00

PUBLICATION DATE 2020-08-10 00:00:00

*Hide Thesaurus ▲*

OTHER KEYWORDS Downloadable Data

*Hide Topics and Keywords ▲*

## Citation ▶

TITLE Public Road Arcs, 3rd Quarter 2020 - NC Department of Transportation

PUBLICATION DATE 2020-08-10 00:00:00

PRESENTATION FORMATS digital map

*Hide Citation ▲*

## Citation Contacts ▶

RESPONSIBLE PARTY

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE originator

CONTACT INFORMATION ►

PHONE

VOICE 919.707.2165

FAX 919.707.2210

ADDRESS

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CITY Raleigh

ADMINISTRATIVE AREA North Carolina

POSTAL CODE 27604

COUNTRY US

E-MAIL ADDRESS [gishelp@ncdot.gov](mailto:gishelp@ncdot.gov)

HOURS OF SERVICE

8am to 5pm, M-F

CONTACT INSTRUCTIONS

Phone or e-mail.

[Hide Contact information ▲](#)

[Hide Citation Contacts ▲](#)

**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

This file should not be used for routing. No known issues to report.

PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.5.1.7333

CREDITS

Spatial Data Management Group - Product creation; Data Conversion Group - System geometry, mileage, events; Local County Government - Non-system geometry, Street Name event

ARCGIS ITEM PROPERTIES

\* NAME NCRouteArcs

[Hide Resource Details ▲](#)

**Extents** ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

WEST LONGITUDE -84.421752

EAST LONGITUDE -75.418246

SOUTH LATITUDE 33.733249

NORTH LATITUDE 36.617735

GEOGRAPHIC EXTENT

GEOGRAPHIC DESCRIPTION

DESCRIPTION CONTAINS THE RESOURCE No

TEMPORAL EXTENT

DATE AND TIME 2020-07-13 00:00:00

VERTICAL EXTENT

MINIMUM VALUE -59.6  
MAXIMUM VALUE 6577.4

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

WEST LONGITUDE -84.421752  
EAST LONGITUDE -75.418246  
SOUTH LATITUDE 33.7333  
NORTH LATITUDE 36.617735  
EXTENT CONTAINS THE RESOURCE Yes

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching  
\* WEST LONGITUDE -84.421464  
\* EAST LONGITUDE -75.418363  
\* NORTH LATITUDE 36.615122  
\* SOUTH LATITUDE 33.733304  
\* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE 406980.080272  
\* EAST LONGITUDE 3051823.000288  
\* SOUTH LATITUDE 35982.805072  
\* NORTH LATITUDE 1042848.119824  
\* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

**Resource Points of Contact ►**

POINT OF CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit  
CONTACT'S POSITION GIS Help Desk  
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE

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[Hide Resource Points of Contact ▲](#)

## Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY quarterly

[Hide Resource Maintenance ▲](#)

## 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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CONSTRAINTS

LIMITATIONS OF USE

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[Hide Resource Constraints ▲](#)

## 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

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102719

X ORIGIN -121841900

Y ORIGIN -93659000

XY SCALE 18939.39393939394

Z ORIGIN -100000

Z SCALE 9.9999999999999982

M ORIGIN -100000

M SCALE 100000000

XY TOLERANCE 0.00052800000000000004

Z TOLERANCE 0.200000000000000004

M TOLERANCE 9.9999999999999995e-008

HIGH PRECISION true

LATEST WELL-KNOWN IDENTIFIER 2264

WELL-KNOWN TEXT

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",34.3333333333334],PARAMETER["Standard\_Parallel\_2",36.1666666666666],PARAMETER["Latitude\_Of\_Origin",33.75],UNIT["Foot\_US",0.3048006096012192],AUTHORITY["EPSG",2264]]

REFERENCE SYSTEM IDENTIFIER

VALUE 2264  
CODESPACE EPSG  
VERSION 6.12(9.0.0)

[Hide Spatial Reference ▲](#)

**Spatial Data Properties ▶**

VECTOR ▶

\* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME NCRouteArcs  
\* OBJECT TYPE composite  
\* OBJECT COUNT 875948

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ▶

FEATURE CLASS NAME NCRouteArcs  
\* FEATURE TYPE Simple  
\* GEOMETRY TYPE Polyline  
\* HAS TOPOLOGY FALSE  
\* FEATURE COUNT 875948  
\* SPATIAL INDEX TRUE  
\* LINEAR REFERENCING TRUE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

**Data Quality ▶**

SCOPE OF QUALITY INFORMATION ▶

RESOURCE LEVEL dataset

[Hide Scope of quality information ▲](#)

[Hide Data Quality ▲](#)

**Lineage ▶**

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2020-08-10 00:00:00

DESCRIPTION

Metadata updated and dataset copied to web.

PROCESS CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit  
CONTACT'S POSITION GIS Help Desk  
CONTACT'S ROLE processor

CONTACT INFORMATION ►

PHONE

VOICE 919.707.2165  
FAX 919.707.2210

ADDRESS

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POSTAL CODE 27604  
COUNTRY US  
E-MAIL ADDRESS gishelp@ncdot.gov

HOURS OF SERVICE

8am to 5pm, M-F

CONTACT INSTRUCTIONS

Phone or e-mail.

[Hide Contact information ▲](#)

[Hide Process step ▲](#)

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2020-08-10 00:00:00  
DESCRIPTION

Data Conversion Group maintains the NCDOT LRS in a geodatabase.

PROCESS CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit  
CONTACT'S POSITION GIS Help Desk  
CONTACT'S ROLE processor

CONTACT INFORMATION ►

PHONE

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HOURS OF SERVICE

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CONTACT INSTRUCTIONS

Phone or e-mail.

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[Hide Process step ▲](#)

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2020-08-10 00:00:00

DESCRIPTION

Run internal program to create product.

PROCESS CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE processor

CONTACT INFORMATION ►

PHONE

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[Hide Contact information ▲](#)

[Hide Process step ▲](#)

SOURCE DATA ►

DESCRIPTION

Data was originally acquired through digitizing of USGS 7.5 quad maps with scales of 1:24,000 and refined and updated using 1993 and 1998 DOQQ's.

RESOLUTION OF THE SOURCE DATA

SCALE DENOMINATOR 24000

[Hide Source data ▲](#)



[Hide Lineage ▲](#)

## Distribution ►

### DISTRIBUTOR ►

#### CONTACT INFORMATION

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit  
CONTACT'S POSITION GIS Help Desk  
CONTACT'S ROLE distributor

#### CONTACT INFORMATION ►

##### PHONE

VOICE 919.707.2165  
FAX 919.707.2210

##### ADDRESS

DELIVERY POINT 4101 Capital Blvd.  
CITY Raleigh  
ADMINISTRATIVE AREA North Carolina  
POSTAL CODE 27604  
COUNTRY US  
E-MAIL ADDRESS [gishelp@ncdot.gov](mailto:gishelp@ncdot.gov)

##### HOURS OF SERVICE

8am to 5pm, M-F

##### CONTACT INSTRUCTIONS

Phone or e-mail.

[Hide Contact information ▲](#)

[Hide Distributor ▲](#)

### DISTRIBUTION FORMAT

NAME Feature Class  
VERSION 10.5.1

### DISTRIBUTION FORMAT

NAME Shape File  
VERSION 10.5.1

### TRANSFER OPTIONS

#### ONLINE SOURCE

LOCATION <https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx>

[Hide Distribution ▲](#)

## Fields ►

### DETAILS FOR OBJECT NCRouteArcs ►

\* TYPE Feature Class  
\* ROW COUNT 875948

#### DEFINITION

A collection of geographic features with the same geometry type (such as point, line, or polygon), the same attributes, and the same spatial reference.

#### DEFINITION SOURCE

## ESRI

### FIELD [Route4Number](#) ▶

- \* ALIAS [Route4Number](#)
- \* DATA TYPE [String](#)
- \* WIDTH [5](#)
- \* PRECISION [0](#)
- \* SCALE [0](#)

#### FIELD DESCRIPTION

Route 4 number - co-route number

#### DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

#### DESCRIPTION OF VALUES

Positive real numbers that are manually generated

[Hide Field Route4Number](#) ▲

### FIELD [SrcDocType](#) ▶

- \* ALIAS [SrcDocType](#)
- \* DATA TYPE [String](#)
- \* WIDTH [2](#)
- \* PRECISION [0](#)
- \* SCALE [0](#)

#### FIELD DESCRIPTION

Source document type code - most recent route action document type, legacy data not populated

#### DESCRIPTION SOURCE

NCDOT GIS

#### LIST OF VALUES

VALUE [O](#)

DESCRIPTION [Other](#)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE [Valid Source Document Codes](#)

VALUE [T](#)

DESCRIPTION [TIP](#)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE [Valid Source Document Codes](#)

VALUE [P](#)

DESCRIPTION [Petition](#)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE [Valid Source Document Codes](#)

VALUE [M](#)

DESCRIPTION [Municipal Agreement](#)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE [Valid Source Document Codes](#)

VALUE [N](#)

DESCRIPTION [Not-Verified](#)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE [Valid Source Document Codes](#)

VALUE [R](#)

DESCRIPTION [Project Alignment](#)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE [Valid Source Document Codes](#)

[Hide Field SrcDocType ▲](#)

FIELD **MaintCntycode** ▶

\* ALIAS **MaintCntyCode**

\* DATA TYPE **String**

\* WIDTH **3**

\* PRECISION **0**

\* SCALE **0**

FIELD DESCRIPTION

Maintenance county code - county responsible for maintenance

DESCRIPTION SOURCE

NCDOT GIS

LIST OF VALUES

VALUE **056**

DESCRIPTION **Macon**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid County and State Codes**

VALUE **029**

DESCRIPTION **Davidson**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid County and State Codes**

VALUE **059**

DESCRIPTION **McDowell**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid County and State Codes**

VALUE **048**

DESCRIPTION **Hyde**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid County and State Codes**

VALUE **057**

DESCRIPTION **Madison**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid County and State Codes**

VALUE **067**

DESCRIPTION **Onslow**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid County and State Codes**

VALUE **001**

DESCRIPTION **Alamance**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid County and State Codes**

VALUE **017**

DESCRIPTION **Caswell**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid County and State Codes**

VALUE **077**

DESCRIPTION **Richmond**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid County and State Codes**

VALUE **038**

DESCRIPTION **Graham**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid County and State Codes**

VALUE **079**

DESCRIPTION **Rockingham**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid County and State Codes**

VALUE 042  
DESCRIPTION Halifax  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 070  
DESCRIPTION Pasquotank  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 065  
DESCRIPTION New Hanover  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 089  
DESCRIPTION Tyrrell  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 036  
DESCRIPTION Gaston  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 096  
DESCRIPTION Wayne  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 080  
DESCRIPTION Rowan  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 076  
DESCRIPTION Randolph  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 083  
DESCRIPTION Scotland  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 024  
DESCRIPTION Columbus  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 008  
DESCRIPTION Bertie  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 027  
DESCRIPTION Currituck  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 023  
DESCRIPTION Cleveland  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 044  
DESCRIPTION Haywood  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 013  
DESCRIPTION Cabarrus  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 051  
DESCRIPTION Johnston

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 047

DESCRIPTION Hoke

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 039

DESCRIPTION Granville

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 098

DESCRIPTION Wilson

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 901

DESCRIPTION Georgia

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 099

DESCRIPTION Yadkin

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 055

DESCRIPTION Lincoln

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 085

DESCRIPTION Stokes

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 012

DESCRIPTION Burke

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 999

DESCRIPTION NA

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 903

DESCRIPTION Tennessee

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 060

DESCRIPTION Mecklenburg

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 009

DESCRIPTION Bladen

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 072

DESCRIPTION Perquimans

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 040

DESCRIPTION Greene

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 058

DESCRIPTION Martin

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 068  
DESCRIPTION Orange  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 062  
DESCRIPTION Montgomery  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 091  
DESCRIPTION Vance  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 064  
DESCRIPTION Nash  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 092  
DESCRIPTION Wake  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 063  
DESCRIPTION Moore  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 094  
DESCRIPTION Washington  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 031  
DESCRIPTION Duplin  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 045  
DESCRIPTION Henderson  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 066  
DESCRIPTION Northampton  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 084  
DESCRIPTION Stanly  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 093  
DESCRIPTION Warren  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 049  
DESCRIPTION Iredell  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 003  
DESCRIPTION Alleghany  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 081  
DESCRIPTION Rutherford  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 015  
DESCRIPTION Camden

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 052

DESCRIPTION Jones

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 020

DESCRIPTION Cherokee

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 004

DESCRIPTION Anson

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 026

DESCRIPTION Cumberland

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 100

DESCRIPTION Yancey

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 050

DESCRIPTION Jackson

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 018

DESCRIPTION Catawba

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 006

DESCRIPTION Avery

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 041

DESCRIPTION Guilford

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 014

DESCRIPTION Caldwell

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 095

DESCRIPTION Watauga

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 019

DESCRIPTION Chatham

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 074

DESCRIPTION Pitt

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 061

DESCRIPTION Mitchell

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 069

DESCRIPTION Pamlico

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 054  
DESCRIPTION Lenoir  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 097  
DESCRIPTION Wilkes  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 086  
DESCRIPTION Surry  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 005  
DESCRIPTION Ashe  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 053  
DESCRIPTION Lee  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 032  
DESCRIPTION Durham  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 025  
DESCRIPTION Craven  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 902  
DESCRIPTION South Carolina  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 088  
DESCRIPTION Transylvania  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 075  
DESCRIPTION Polk  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 034  
DESCRIPTION Forsyth  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 007  
DESCRIPTION Beaufort  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 082  
DESCRIPTION Sampson  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 016  
DESCRIPTION Carteret  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 904  
DESCRIPTION Virginia  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 030  
DESCRIPTION Davie



ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 073

DESCRIPTION Person

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 021

DESCRIPTION Chowan

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 011

DESCRIPTION Buncombe

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 010

DESCRIPTION Brunswick

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 071

DESCRIPTION Pender

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 043

DESCRIPTION Harnett

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 035

DESCRIPTION Franklin

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 087

DESCRIPTION Swain

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 028

DESCRIPTION Dare

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 033

DESCRIPTION Edgecombe

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 002

DESCRIPTION Alexander

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 022

DESCRIPTION Clay

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 037

DESCRIPTION Gates

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 046

DESCRIPTION Hertford

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 078

DESCRIPTION Robeson

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

VALUE 090  
DESCRIPTION Union  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

[Hide Field MaintCntycode ▲](#)

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 3  
DESCRIPTION NC Route  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 5  
DESCRIPTION Non-System  
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 7  
DESCRIPTION Federal Route  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

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 2  
DESCRIPTION US 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 81  
DESCRIPTION Rest Area  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 1  
DESCRIPTION Interstate  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 80

DESCRIPTION Ramp  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

[Hide Field RouteClass ▲](#)

FIELD [BeginMP6 ▶](#)

- \* ALIAS BeginMp6
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 38
- \* SCALE 8

FIELD DESCRIPTION

Begin Milepost for route number 6.

DESCRIPTION SOURCE

NCDOT GIS

[Hide Field BeginMP6 ▲](#)

FIELD [EndMP3 ▶](#)

- \* ALIAS EndMp3
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 38
- \* SCALE 8

FIELD DESCRIPTION

End Milepost for route number 3.

DESCRIPTION SOURCE

NCDOT GIS

[Hide Field EndMP3 ▲](#)

FIELD [Shape.STLength\(\) ▶](#)

- \* ALIAS Shape.STLength()
- \* DATA TYPE Double
- \* WIDTH 0
- \* PRECISION 0
- \* SCALE 0

[Hide Field Shape.STLength\(\) ▲](#)

FIELD [EndMP2 ▶](#)

- \* ALIAS EndMp2
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 38
- \* SCALE 8

FIELD DESCRIPTION

End Milepost for route number 2.

DESCRIPTION SOURCE

NCDOT GIS

[Hide Field EndMP2 ▲](#)

FIELD SrcDocID ►

- \* ALIAS SrcDocID
- \* DATA TYPE String
- \* WIDTH 30
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Source document number - route action document number, legacy data not populated

DESCRIPTION SOURCE

NCDOT GIS

DESCRIPTION OF VALUES

Positive real numbers that are manually generated

[Hide Field SrcDocID ▲](#)

FIELD Route3Qualifier ►

- \* ALIAS Route3Qualifier
- \* DATA TYPE String
- \* WIDTH 5
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Route 3 primary code - co-route classification code

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE 1

DESCRIPTION Alternate Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 5

DESCRIPTION East Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 8

DESCRIPTION Truck Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 81

DESCRIPTION Rest Area

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 2

DESCRIPTION Bypass Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 89

DESCRIPTION Non-Mainline

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 7  
DESCRIPTION Connector Route  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 0  
DESCRIPTION Normal Route  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 80  
DESCRIPTION Ramp  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 9  
DESCRIPTION Business Route  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 6  
DESCRIPTION West Route  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

*Hide Field Route3Qualifier ▲*

FIELD RouteNumber ►

- \* ALIAS RouteNumber
- \* DATA TYPE String
- \* WIDTH 5
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Route number - dominant route number

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

DESCRIPTION OF VALUES

Positive real numbers that are manually generated

*Hide Field RouteNumber ▲*

FIELD EndFeatureID ►

- \* ALIAS EndFeatureID
- \* DATA TYPE String
- \* WIDTH 20
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

EndFeatureID is used to identify the route that crosses the end node. It uses the eleven digit code for the route number or at the county line it will have the letter "BS" followed by the county code for the next county.

DESCRIPTION SOURCE

NCDOT GIS

LIST OF VALUES

VALUE BS000###

**DESCRIPTION** The segment intersects the state boundary. Eight digit value starting with the character "BS" and ending with the NCDOT state number. 901 = Georgia, 902 = South Carolina , 903 = Tennessee, 904 = Virginia.

**ENUMERATED DOMAIN VALUE DEFINITION SOURCE** NCDOT GIS

**VALUE** PSEUDO

**DESCRIPTION** Change in event attributes for the segment.

**ENUMERATED DOMAIN VALUE DEFINITION SOURCE** NCDOT GIS

**VALUE** BC000###

**DESCRIPTION** The segment intersects a county boundary. Eight digit value starting with the character "BC" and ending with the NCDOT county # (001-100). See MaintCntyCode attribute description in RdChar metadata for county # values.

**ENUMERATED DOMAIN VALUE DEFINITION SOURCE** NCDOT GIS

**VALUE** X-CROSS

**DESCRIPTION** The primary route crosses back over itself. An example would be a loop segment.

**ENUMERATED DOMAIN VALUE DEFINITION SOURCE** NCDOT GIS

**VALUE** DEAD-END

**DESCRIPTION** The route segment ends.

**ENUMERATED DOMAIN VALUE DEFINITION SOURCE** NCDOT GIS

**VALUE** NA

**DESCRIPTION** Unable to identify type of intersection.

**ENUMERATED DOMAIN VALUE DEFINITION SOURCE** NCDOT GIS

**VALUE** Route number

**DESCRIPTION** See RouteID attribute description

**ENUMERATED DOMAIN VALUE DEFINITION SOURCE** NCDOT GIS

*Hide Field EndFeatureID ▲*

**FIELD** BeginMP5 ►

\* **ALIAS** BeginMp5

\* **DATA TYPE** Double

\* **WIDTH** 8

\* **PRECISION** 38

\* **SCALE** 8

**FIELD DESCRIPTION**

Begin Milepost for route number 5.

**DESCRIPTION SOURCE**

NCDOT GIS

*Hide Field BeginMP5 ▲*

**FIELD** RouteInventory ►

\* **ALIAS** RouteInventory

\* **DATA TYPE** String

\* **WIDTH** 1

\* **PRECISION** 0

\* **SCALE** 0

**FIELD DESCRIPTION**

Route direction code - dominant route direction

**DESCRIPTION SOURCE**

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE 1

DESCRIPTION Non-Inventory for non-primary routes.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 6

DESCRIPTION Non-Inventory (Westbound)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 4

DESCRIPTION Non-Inventory (Southbound)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 9

DESCRIPTION Non-Inventory (Counterclockwise)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 0

DESCRIPTION Inventory

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 8

DESCRIPTION Inventory (Clockwise)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

*Hide Field RouteInventory ▲*

FIELD Route3 ►

\* ALIAS Route3

\* DATA TYPE String

\* WIDTH 11

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Eleven digit code describing the route. Built by concatenation of these fields:

"Route3Class","Route3Qualifier","Route3Inventory","Route3Number","MaintCntyCode".

DESCRIPTION SOURCE

NCDOT GIS

*Hide Field Route3 ▲*

FIELD RouteName ►

\* ALIAS RouteName

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Route Name is a text representation of the route number. Built by concatenation of these fields:

"RouteClass","RouteNumber".

DESCRIPTION SOURCE

NCDOT GIS

*Hide Field RouteName ▲*

FIELD **Route5Qualifier** ▶

- \* ALIAS **Route5Qualifier**
- \* DATA TYPE **String**
- \* WIDTH **5**
- \* PRECISION **0**
- \* SCALE **0**

FIELD DESCRIPTION

Route 5 primary code - co-route classification code

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE **6**

DESCRIPTION **West Route**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Primary Codes**

VALUE **89**

DESCRIPTION **Non-Mainline**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Primary Codes**

VALUE **1**

DESCRIPTION **Alternate Route**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Primary Codes**

VALUE **81**

DESCRIPTION **Rest Area**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Primary Codes**

VALUE **7**

DESCRIPTION **Connector Route**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Primary Codes**

VALUE **2**

DESCRIPTION **Bypass Route**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Primary Codes**

VALUE **5**

DESCRIPTION **East Route**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Primary Codes**

VALUE **9**

DESCRIPTION **Business Route**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Primary Codes**

VALUE **8**

DESCRIPTION **Truck Route**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Primary Codes**

VALUE **80**

DESCRIPTION **Ramp**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Primary Codes**

VALUE **0**

DESCRIPTION **Normal Route**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Primary Codes**

*Hide Field **Route5Qualifier*** ▲



FIELD **TravelDirection** ▶

- \* ALIAS **TravelDirection**
- \* DATA TYPE **String**
- \* WIDTH **10**
- \* PRECISION **0**
- \* SCALE **0**

FIELD DESCRIPTION

Oneway direction flag - identifies one way traffic flow

DESCRIPTION SOURCE

NCDOT GIS

LIST OF VALUES

VALUE **One-way**

DESCRIPTION **One Direction**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Codes for One Way Direction Flag**

VALUE **Both**

DESCRIPTION **Both Directions**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Codes for One Way Direction Flag**

*Hide Field TravelDirection* ▲

FIELD **OBJECTID** ▶

- \* ALIAS **OBJECTID**
- \* DATA TYPE **OID**
- \* WIDTH **4**
- \* PRECISION **10**
- \* SCALE **0**

FIELD DESCRIPTION

Internal feature number.

DESCRIPTION SOURCE

Esri

DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

*Hide Field OBJECTID* ▲

FIELD **Route2Class** ▶

- \* ALIAS **Route2Class**
- \* DATA TYPE **String**
- \* WIDTH **5**
- \* PRECISION **0**
- \* SCALE **0**

FIELD DESCRIPTION

Route 2 class code - co-route classification

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE 7  
 DESCRIPTION Federal Route  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 80  
 DESCRIPTION Ramp  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 1  
 DESCRIPTION Interstate  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 3  
 DESCRIPTION NC 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 5  
 DESCRIPTION Non-System  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 89  
 DESCRIPTION Non-Mainline  
 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 81  
 DESCRIPTION Rest Area  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 2  
 DESCRIPTION US Route  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 4  
 DESCRIPTION Secondary Route  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

*Hide Field Route2Class ▲*

FIELD **Route4Class** ►

- \* ALIAS Route4Class
- \* DATA TYPE String
- \* WIDTH 5
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Route 4 class code - co-route classification

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE 5

DESCRIPTION Non-System  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 80  
DESCRIPTION Ramp  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 3  
DESCRIPTION NC 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 4  
DESCRIPTION Secondary Route  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 1  
DESCRIPTION Interstate  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 7  
DESCRIPTION Federal 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 6  
DESCRIPTION Other State Agency 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 2  
DESCRIPTION US Route  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

[Hide Field Route4Class ▲](#)

FIELD **RouteID** ►

- \* ALIAS RouteID
- \* DATA TYPE String
- \* WIDTH 255
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Eleven digit code describing the route. Built by concatenation of these fields:  
"RouteClass", "RouteQualifier", "RouteInventory", "RouteNumber", "MaintCntyCode".

DESCRIPTION SOURCE  
NCDOT GIS

[Hide Field RouteID ▲](#)

FIELD EndMP6 ►

- \* ALIAS EndMp6
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 38
- \* SCALE 8

FIELD DESCRIPTION

End Milepost for route number 6.

DESCRIPTION SOURCE

NCDOT GIS

[Hide Field EndMP6 ▲](#)

FIELD BeginMP1 ►

- \* ALIAS BeginMp1
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 38
- \* SCALE 8

FIELD DESCRIPTION

Begin Milepost for route number 1.

DESCRIPTION SOURCE

NCDOT GIS

[Hide Field BeginMP1 ▲](#)

FIELD MaxMp1 ►

- \* ALIAS MaxMp1
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 38
- \* SCALE 8

FIELD DESCRIPTION

Length of feature in internal units.

DESCRIPTION SOURCE

NCDOT GIS

DESCRIPTION OF VALUES

Positive real numbers.

[Hide Field MaxMp1 ▲](#)

FIELD Route4Qualifier ►

- \* ALIAS Route4Qualifier
- \* DATA TYPE String
- \* WIDTH 5
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Route 4 primary code - co-route classification code

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE 2

DESCRIPTION Bypass Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 89

DESCRIPTION Non-Mainline

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 1

DESCRIPTION Alternate Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 0

DESCRIPTION Normal Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 5

DESCRIPTION East Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 8

DESCRIPTION Truck Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 80

DESCRIPTION Ramp

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 6

DESCRIPTION West Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 9

DESCRIPTION Business Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 81

DESCRIPTION Rest Area

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 7

DESCRIPTION Connector Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

*Hide Field Route4Qualifier ▲*

FIELD **Route5Number** ►

\* ALIAS Route5Number

\* DATA TYPE String

\* WIDTH 5

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Route 5 number - co-route number

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

DESCRIPTION OF VALUES

Positive real numbers that are manually generated

*Hide Field Route5Number ▲*

FIELD **BeginMP4** ►

- \* ALIAS BeginMp4
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 38
- \* SCALE 8

FIELD DESCRIPTION

Begin Milepost for route number 4.

DESCRIPTION SOURCE

NCDOT GIS

*Hide Field BeginMP4 ▲*

FIELD **Route4** ►

- \* ALIAS Route4
- \* DATA TYPE String
- \* WIDTH 11
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Eleven digit code describing the route. Built by concatenation of these fields:  
"Route4Class","Route4Qualifier","Route4Inventory","Route4Number","MaintCntyCode".

DESCRIPTION SOURCE

NCDOT GIS

*Hide Field Route4 ▲*

FIELD **RouteMaintCode** ►

- \* ALIAS RouteMaintCode
- \* DATA TYPE String
- \* WIDTH 10
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Route status code represents maintenance status of the dominant route

DESCRIPTION SOURCE

NCDOT GIS

LIST OF VALUES

|             |        |
|-------------|--------|
| VALUE       | System |
| DESCRIPTION | System |

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Status Codes

VALUE Non-System

DESCRIPTION Non-System

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Status Codes

*Hide Field RouteMaintCode ▲*

FIELD **Route3Class ▶**

\* ALIAS Route3Class

\* DATA TYPE String

\* WIDTH 5

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Route 3 class code - co-route classification

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE 5

DESCRIPTION Non-System

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 89

DESCRIPTION Non-Mainline

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 1

DESCRIPTION Interstate

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 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 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 7

DESCRIPTION Federal 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 81  
DESCRIPTION Rest Area  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

[Hide Field Route3Class ▲](#)

FIELD [GeoDocType ▶](#)

\* ALIAS GeoDocType  
\* DATA TYPE String  
\* WIDTH 200  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Revision document type code - last reference source used for geometric revisions.

DESCRIPTION SOURCE  
NCDOT GIS

LIST OF VALUES

VALUE O  
DESCRIPTION Other  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Revision Document Codes

VALUE G  
DESCRIPTION GPS  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Revision Document Codes

VALUE N  
DESCRIPTION Not-Verified  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Revision Document Codes

VALUE P  
DESCRIPTION Parcels  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Revision Document Codes

VALUE F  
DESCRIPTION Field Research  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Revision Document Codes

VALUE L  
DESCRIPTION Plat  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Revision Document Codes

VALUE C  
DESCRIPTION Local Centerline  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Revision Document Codes

VALUE A  
DESCRIPTION Aerial Photo  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Revision Document Codes

[Hide Field GeoDocType ▲](#)

FIELD [EndMP4 ▶](#)

\* ALIAS EndMp4  
\* DATA TYPE Double  
\* WIDTH 8



\* PRECISION 38

\* SCALE 8

FIELD DESCRIPTION

End Milepost for route number 4.

DESCRIPTION SOURCE

NCDOT GIS

[Hide Field EndMP4 ▲](#)

FIELD [RouteQualifier ▶](#)

\* ALIAS RouteQualifier

\* DATA TYPE String

\* WIDTH 5

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Route primary code - dominant route classification code

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE 1

DESCRIPTION Alternate Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 6

DESCRIPTION West Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 0

DESCRIPTION Normal Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 2

DESCRIPTION Bypass Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 9

DESCRIPTION Business Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 81

DESCRIPTION Rest Area

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 8

DESCRIPTION Truck Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 89

DESCRIPTION Non-Mainline

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 5

DESCRIPTION East Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 80

DESCRIPTION Ramp  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 7  
DESCRIPTION Connector Route  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

*Hide Field RouteQualifier ▲*

FIELD Route5Class ►

- \* ALIAS Route5Class
- \* DATA TYPE String
- \* WIDTH 5
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION  
Route 5 class code - co-route classification

DESCRIPTION SOURCE  
Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE 81  
DESCRIPTION Rest Area  
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 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 5  
DESCRIPTION Non-System  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 4  
DESCRIPTION Secondary 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 1  
DESCRIPTION Interstate

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 9

DESCRIPTION Projected Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

*Hide Field Route5Class ▲*

FIELD **GeoDocID** ►

\* ALIAS GeoDocID

\* DATA TYPE String

\* WIDTH 200

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Revision document number - geometric reference document (year)

DESCRIPTION SOURCE

NCDOT GIS

DESCRIPTION OF VALUES

Positive real numbers that are manually generated

*Hide Field GeoDocID ▲*

FIELD **MPLength** ►

\* ALIAS MPLength

\* DATA TYPE Double

\* WIDTH 8

\* PRECISION 38

\* SCALE 8

FIELD DESCRIPTION

Segment length calculated from LIDAR data

DESCRIPTION SOURCE

NCDOT GIS

*Hide Field MPLength ▲*

FIELD **Direction** ►

\* ALIAS Direction

\* DATA TYPE String

\* WIDTH 2

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Route direction code - dominant route direction

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE CC

DESCRIPTION Counterclockwise

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE EB

DESCRIPTION Eastbound

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE SB

DESCRIPTION Southbound

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE BD

DESCRIPTION Bidirectional

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE OI

DESCRIPTION Oneway Inventory

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE NB

DESCRIPTION Northbound

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE CW

DESCRIPTION Clockwise

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE OO

DESCRIPTION Oneway Opposite

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE WB

DESCRIPTION Westbound

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

*Hide Field Direction ▲*

FIELD Division ►

\* ALIAS Division

\* DATA TYPE SmallInteger

\* WIDTH 2

\* PRECISION 5

\* SCALE 0

FIELD DESCRIPTION

The NCDOT Division number for each route segment

DESCRIPTION SOURCE

NCDOT

*Hide Field Division ▲*

FIELD Route5Inventory ►

\* ALIAS Route5Inventory

\* DATA TYPE String

\* WIDTH 1

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Route 5 direction code - co-route direction

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE 8

DESCRIPTION Inventory (Clockwise)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 0

DESCRIPTION Inventory

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 4

DESCRIPTION Non-Inventory (Southbound)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 9

DESCRIPTION Non-Inventory (Counterclockwise)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 6

DESCRIPTION Non-Inventory (Westbound)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

*Hide Field Route5Inventory ▲*

FIELD **BeginMP2** ►

\* ALIAS BeginMp2

\* DATA TYPE Double

\* WIDTH 8

\* PRECISION 38

\* SCALE 8

FIELD DESCRIPTION

Begin Milepost for route number 2.

DESCRIPTION SOURCE

NCDOT GIS

*Hide Field BeginMP2 ▲*

FIELD **Route3Number** ►

\* ALIAS Route3Number

\* DATA TYPE String

\* WIDTH 5

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Route 3 number - co-route number

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

DESCRIPTION OF VALUES

Positive real numbers that are manually generated

[Hide Field Route3Number ▲](#)

FIELD [BeginMP3 ▶](#)

- \* ALIAS BeginMp3
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 38
- \* SCALE 8

FIELD DESCRIPTION

Begin Milepost for route number 3.

DESCRIPTION SOURCE

NCDOT GIS

[Hide Field BeginMP3 ▲](#)

FIELD [Route5 ▶](#)

- \* ALIAS Route5
- \* DATA TYPE String
- \* WIDTH 11
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Eleven digit code describing the route. Built by concatenation of these fields:  
"Route5Class","Route5Qualifier","Route5Inventory","Route5Number","MaintCntyCode".

DESCRIPTION SOURCE

NCDOT GIS

[Hide Field Route5 ▲](#)

FIELD [EndMP5 ▶](#)

- \* ALIAS EndMp5
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 38
- \* SCALE 8

FIELD DESCRIPTION

End Milepost for route number 5.

DESCRIPTION SOURCE

NCDOT GIS

[Hide Field EndMP5 ▲](#)

FIELD [Route4Inventory ▶](#)

- \* ALIAS Route4Inventory
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Route 4 direction code - co-route direction

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE 0

DESCRIPTION Inventory

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 9

DESCRIPTION Non-Inventory (Counterclockwise)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 4

DESCRIPTION Non-Inventory (Southbound)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 8

DESCRIPTION Inventory (Clockwise)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 6

DESCRIPTION Non-Inventory (Westbound)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

*Hide Field Route4Inventory ▲*

FIELD **Route2Qualifier** ►

\* ALIAS Route2Qualifier

\* DATA TYPE String

\* WIDTH 5

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Route 2 primary code - co-route classification code

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE 1

DESCRIPTION Alternate Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 0

DESCRIPTION Normal Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 89

DESCRIPTION Non-Mainline

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 6

DESCRIPTION West Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 80

DESCRIPTION Ramp

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 81

DESCRIPTION Rest Area  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 7  
DESCRIPTION Connector Route  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 2  
DESCRIPTION Bypass Route  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 5  
DESCRIPTION East Route  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 9  
DESCRIPTION Business Route  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 8  
DESCRIPTION Truck Route  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

*Hide Field Route2Qualifier ▲*

FIELD **Route6Class ▶**

- \* ALIAS Route6Class
- \* DATA TYPE String
- \* WIDTH 5
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION  
Route 6 class code - co-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 1  
DESCRIPTION Interstate  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 3  
DESCRIPTION NC 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 80  
DESCRIPTION Ramp  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 89  
DESCRIPTION Non-Mainline



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 2

DESCRIPTION US 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 5

DESCRIPTION Non-System

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 7

DESCRIPTION Federal Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

*Hide Field Route6Class ▲*

FIELD **Route2Number** ►

\* ALIAS Route2Number

\* DATA TYPE String

\* WIDTH 5

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Route 2 number - co-route number

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

DESCRIPTION OF VALUES

Positive real numbers that are manually generated

*Hide Field Route2Number ▲*

FIELD **OwnerType** ►

\* ALIAS OwnerType

\* DATA TYPE SmallInteger

\* WIDTH 2

\* PRECISION 5

\* SCALE 0

*Hide Field OwnerType ▲*

FIELD **StreetName** ►

\* ALIAS StreetName

\* DATA TYPE String

\* WIDTH 75

\* PRECISION 0  
\* SCALE 0  
FIELD DESCRIPTION  
Local Street Name

DESCRIPTION SOURCE  
Local County GIS/NCDOT GIS

[Hide Field StreetName ▲](#)

FIELD [Route6Number ▶](#)

\* ALIAS Route6Number  
\* DATA TYPE String  
\* WIDTH 5  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION  
Route 6 number - co-route number

DESCRIPTION SOURCE  
Federal Highway Administration/NCDOT GIS

DESCRIPTION OF VALUES  
Positive real numbers that are manually generated

[Hide Field Route6Number ▲](#)

FIELD [Route2 ▶](#)

\* ALIAS Route2  
\* DATA TYPE String  
\* WIDTH 11  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION  
Eleven digit code describing the route. Built by concatenation of these fields:  
"Route2Class","Route2Qualifier","Route2Inventory","Route2Number","MaintCntyCode".

DESCRIPTION SOURCE  
NCDOT GIS

[Hide Field Route2 ▲](#)

FIELD [LocCntyCode ▶](#)

\* ALIAS LocCntyCode  
\* DATA TYPE String  
\* WIDTH 4  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION  
Location county code - county containing the feature

DESCRIPTION SOURCE  
NCDOT GIS

LIST OF VALUES

VALUE County number - see Maintenance county code domains  
DESCRIPTION County name - see Maintenance county code domains  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid County and State Codes

[Hide Field LocCntyCode ▲](#)

FIELD [Route6Inventory ▶](#)

\* ALIAS Route6Inventory  
\* DATA TYPE String  
\* WIDTH 1  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Route 6 direction code - co-route direction

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE 8

DESCRIPTION Inventory (Clockwise)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 4

DESCRIPTION Non-Inventory (Southbound)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 9

DESCRIPTION Non-Inventory (Counterclockwise)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 0

DESCRIPTION Inventory

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 6

DESCRIPTION Non-Inventory (Westbound)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

[Hide Field Route6Inventory ▲](#)

FIELD [Route6Qualifier ▶](#)

\* ALIAS Route6Qualifier  
\* DATA TYPE String  
\* WIDTH 5  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Route 6 primary code - co-route classification code

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE 2

DESCRIPTION Bypass Route

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 1  
 DESCRIPTION Alternate Route  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 6  
 DESCRIPTION West Route  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 80  
 DESCRIPTION Ramp  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 81  
 DESCRIPTION Rest Area  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 0  
 DESCRIPTION Normal Route  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 8  
 DESCRIPTION Truck Route  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 7  
 DESCRIPTION Connector Route  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 89  
 DESCRIPTION Non-Mainline  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 9  
 DESCRIPTION Business Route  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

VALUE 5  
 DESCRIPTION East Route  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Primary Codes

[Hide Field Route6Qualifier ▲](#)

**FIELD BeginFeatureID ►**

- \* ALIAS BeginFeatureID
- \* DATA TYPE String
- \* WIDTH 20
- \* PRECISION 0
- \* SCALE 0

**FIELD DESCRIPTION**

BeginFeatureID is used to identify the route that crosses the end node. It uses the eleven digit code for the route number or at the county line it will have the letter "BS" followed by the county code for the next county.

DESCRIPTION SOURCE  
 NCDOT GIS

**LIST OF VALUES**

VALUE PSEUDO  
 DESCRIPTION Change in event attributes for the segment.  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT GIS

VALUE BS000###

DESCRIPTION The segment intersects the state boundary. Eight digit value starting with the character "BS" and ending with the NCDOT state number. 901 = Georgia, 902 = South Carolina , 903 = Tennessee, 904 = Virginia.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT GIS

VALUE DEAD-END

DESCRIPTION The route segment ends.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT GIS

VALUE NA

DESCRIPTION Unable to identify type of intersection.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT GIS

VALUE X-CROSS

DESCRIPTION The route crosses back over itself. An example would be a loop segment.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT GIS

VALUE BC000###

DESCRIPTION The segment intersects a county boundary. Eight digit value starting with the character "BC" and ending with the NCDOT county # (001-100). See MaintCntyCode attribute description in RdChar metadata for county # values.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT GIS

VALUE Route number

DESCRIPTION See RouteID attribute description

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT GIS

[Hide Field BeginFeatureID ▲](#)

FIELD Shape ►

- \* ALIAS Shape
- \* DATA TYPE Geometry
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION  
Feature geometry.

DESCRIPTION SOURCE  
Esri

DESCRIPTION OF VALUES  
Coordinates defining the features.

[Hide Field Shape ▲](#)

FIELD Route2Inventory ►

- \* ALIAS Route2Inventory
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION  
Route 2 direction code - co-route direction

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE 0

DESCRIPTION Inventory

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 6

DESCRIPTION Non-Inventory (Westbound)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 9

DESCRIPTION Non-Inventory (Counterclockwise)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 4

DESCRIPTION Non-Inventory (Southbound)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

VALUE 8

DESCRIPTION Inventory (Clockwise)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

*Hide Field Route2Inventory ▲*

FIELD Endmp1 ►

\* ALIAS EndMp1

\* DATA TYPE Double

\* WIDTH 8

\* PRECISION 38

\* SCALE 8

FIELD DESCRIPTION

End Milepost for route number 1.

DESCRIPTION SOURCE

NCDOT GIS

*Hide Field Endmp1 ▲*

FIELD Route6 ►

\* ALIAS Route6

\* DATA TYPE String

\* WIDTH 11

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Eleven digit code describing the route. Built by concatenation of these fields:  
"Route6Class","Route6Qualifier","Route6Inventory","Route6Number","MaintCntyCode".

DESCRIPTION SOURCE

NCDOT GIS

*Hide Field Route6 ▲*

FIELD **Route3Inventory** ▶

- \* ALIAS **Route3Inventory**
- \* DATA TYPE **String**
- \* WIDTH **1**
- \* PRECISION **0**
- \* SCALE **0**

FIELD DESCRIPTION

Route 3 direction code - co-route direction

DESCRIPTION SOURCE

Federal Highway Administration/NCDOT GIS

LIST OF VALUES

VALUE **8**

DESCRIPTION **Inventory (Clockwise)**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Direction Codes**

VALUE **6**

DESCRIPTION **Non-Inventory (Westbound)**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Direction Codes**

VALUE **0**

DESCRIPTION **Inventory**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Direction Codes**

VALUE **9**

DESCRIPTION **Non-Inventory (Counterclockwise)**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Direction Codes**

VALUE **4**

DESCRIPTION **Non-Inventory (Southbound)**

ENUMERATED DOMAIN VALUE DEFINITION SOURCE **Valid Route Direction Codes**

*Hide Field **Route3Inventory** ▲*

*Hide Details for object **NCRouteArcs** ▲*

*Hide Fields ▲*

**Metadata Details** ▶

METADATA LANGUAGE **English (UNITED STATES)**

METADATA CHARACTER SET **utf8 - 8 bit UCS Transfer Format**

METADATA IDENTIFIER **9E3E8C20-A381-436E-89AB-B856BA023247**

SCOPE OF THE DATA DESCRIBED BY THE METADATA **dataset**

SCOPE NAME **dataset**

LAST UPDATE **2020-08-10**

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 **2020-07-13 08:32:44**

LAST MODIFIED IN ARCGIS FOR THE ITEM **2020-07-13 10:27:09**

AUTOMATIC UPDATES

HAVE BEEN PERFORMED **Yes**

LAST UPDATE 2020-07-13 10:22:05

[Hide Metadata Details ▲](#)

## **Metadata Contacts ▶**

### METADATA CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit  
CONTACT'S POSITION GIS Help Desk  
CONTACT'S ROLE point of contact

### CONTACT INFORMATION ▶

#### PHONE

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#### HOURS OF SERVICE

8am to 5pm, M-F

#### CONTACT INSTRUCTIONS

Phone or e-mail.

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

## **Metadata Maintenance ▶**

### MAINTENANCE

UPDATE FREQUENCY quarterly

[Hide Metadata Maintenance ▲](#)

## **Metadata Constraints ▶**

### LEGAL CONSTRAINTS

#### 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.

### SECURITY CONSTRAINTS

CLASSIFICATION unclassified  
CLASSIFICATION SYSTEM None

#### LIMITATIONS OF USE

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## CONSTRAINTS

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[Hide Metadata Constraints ▲](#)

## **Thumbnail and Enclosures ►**

### THUMBNAIL

THUMBNAIL TYPE   JPG

[Hide Thumbnail and Enclosures ▲](#)