

# Public Road Arcs, 3rd Quarter 2021 - NC Department of Transportation

## SDE Feature Class



## Tags

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

## Summary

This layer is a visual representation of public roads in North Carolina. System roads (state maintained) are current through June 2021 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)** 1:50,000

## ArcGIS Metadata ▶

## Topics and Keywords ▶

THEMES OR CATEGORIES OF THE RESOURCE transportation

\* CONTENT TYPE Downloadable Data

PLACE KEYWORDS County, North Carolina, Division

THESAURUS ▶  
TITLE User

*Hide Thesaurus ▲*

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

THESAURUS ▶  
TITLE User

*Hide Thesaurus ▲*

THEME KEYWORDS Transportation

THESAURUS ▶  
TITLE ISO 19115 Topic Category

*Hide Thesaurus ▲*

THEME KEYWORDS transportation

THESAURUS ▶  
TITLE ISO 19115 Topic Categories

*Hide Thesaurus ▲*

*Hide Topics and Keywords ▲*

## Citation ▶

TITLE Public Road Arcs, 3rd Quarter 2021 - NC Department of Transportation  
PUBLICATION DATE 2021-08-09

PRESENTATION FORMATS digital map  
FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

*Hide Citation ▲*

## Citation Contacts ▶

RESPONSIBLE PARTY

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit, GIS Help Desk

CONTACT'S ROLE originator

[Hide Citation Contacts ▲](#)

## Resource Details ►

DATASET LANGUAGES English (UNITED STATES)

STATUS under development

SPATIAL REPRESENTATION TYPE vector

### SUPPLEMENTAL INFORMATION

This file should not be used for routing.

\* Ownership information is being updated for some non-system road categories. Generally, the updates include Owner Type, Owner Name, FacilityType, Through Lane Count, Surface Type, Route Class, Travel Direction, and corrections to the network.

- Roads within the Blue Ridge Parkway National Park System have been completed.

- Roads maintained by other state agencies, including State Parks, Wildlife Resources Commission, and others are in progress.

\* Ramps that have Ownership data for agencies besides NCDOT have been added as Non-System Ramps. These routes have Route Class = 82 (Non-System Ramp) and Route Qualifier = 82 (Non-System Ramp).

If there are any questions about these routes, please contact [gishelp@ncdot.gov](mailto:gishelp@ncdot.gov).

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 33.7333

NORTH LATITUDE 36.617735

#### VERTICAL EXTENT

\* MINIMUM VALUE -59.600000

\* MAXIMUM VALUE 6577.400000

### EXTENT

#### DESCRIPTION

Unknown

#### TEMPORAL EXTENT

DATE AND TIME 2021-08-09

#### VERTICAL EXTENT

\* MINIMUM VALUE -59.600000

\* 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 36.615122

\* 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

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 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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from which this data was compiled must be consulted for verification of information contained in this data.

#### SECURITY CONSTRAINTS

CLASSIFICATION unclassified  
CLASSIFICATION SYSTEM None

#### 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 1893.9393939393938  
Z ORIGIN -100000  
Z SCALE 9.9999999999999982  
M ORIGIN -100000  
M SCALE 10000000  
XY TOLERANCE 0.00528  
Z TOLERANCE 0.20000000000000004  
M TOLERANCE 9.9999999999999995e-007

HIGH PRECISION true

LATEST WELL-KNOWN IDENTIFIER 2264

VCSWKID 105703

LATESTVCSWKID 6360

##### 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",34.33333333333334],PARAMETER["Standard\_Parallel\_2",36.16666666666666],PARAMETER["Latitude\_Of\_Origin",33.75],UNIT["Foot\_US",0.3048006096012192]],VERTCS["NAVD\_1988\_Foot\_US",VDATUM["North\_American\_Vertical\_Datum\_1988"],PARAMETER["Vertical\_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot\_US",0.3048006096012192]]

#### REFERENCE SYSTEM IDENTIFIER

- \* VALUE 2264
- \* CODESPACE EPSG
- \* VERSION 6.12(9.0.0)

[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 869666

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME NCRouteArcs  
\* FEATURE TYPE Simple  
\* GEOMETRY TYPE Polyline  
\* HAS TOPOLOGY FALSE  
\* FEATURE COUNT 869666  
\* 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 2021-08-09  
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  
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

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 2021-08-09

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 ►

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[Hide Process step ▲](#)

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2021-08-09

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

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[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)

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Phone or e-mail.

[Hide Contact information ▲](#)

ORDERING PROCESS  
TRANSFER OPTIONS  
ONLINE SOURCE  
LOCATION <https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx>

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT  
\* NAME SDE Feature Class

[Hide Distribution ▲](#)

## Fields ►

DETAILS FOR OBJECT [GdbGisuPub.GISU.NCRouteArcs ►](#)

\* TYPE Feature Class  
\* ROW COUNT 869666

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 0

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 Northhampton

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 090

DESCRIPTION Union

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

*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 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 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 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 82

DESCRIPTION Non-System Ramp

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 200  
\* 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 8

DESCRIPTION Inventory (Clockwise)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Direction Codes

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

[Hide Field RouteInventory ▲](#)

FIELD [Route3](#) ▶

- \* ALIAS Route3
- \* DATA TYPE String
- \* WIDTH 15
- \* 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 82  
 DESCRIPTION Non-System Route  
 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 82

DESCRIPTION Non-System 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 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 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

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 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

VALUE 82

DESCRIPTION Non-System Ramp

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 82  
DESCRIPTION Non-System Ramp  
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 `15`
- \* 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 1

DESCRIPTION Interstate

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Route Class Codes

VALUE 5

DESCRIPTION Non-System

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 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 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 82

DESCRIPTION **Non-System Ramp**

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 82  
DESCRIPTION Non-System 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 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 15
- \* 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

VALUE 82  
DESCRIPTION Non-System Ramp  
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 5  
DESCRIPTION Non-System  
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 81  
DESCRIPTION Rest Area  
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 15

\* 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 82

DESCRIPTION Non-System Ramp

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 200

\* 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 15

\* 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 ▲](#)

FIELD [Shape.len ▶](#)

\* ALIAS Shape.len

\* DATA TYPE Double

\* WIDTH 0

\* PRECISION 0

\* SCALE 0

[Hide Field Shape.len ▲](#)

[Hide Details for object NCRouteArcs ▲](#)

[Hide Fields ▲](#)

## 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 2021-08-09

### 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 2021-07-01 13:38:10  
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### AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes  
LAST UPDATE 2021-07-15 17:09:00

[Hide Metadata Details ▲](#)

## Metadata Contacts ►

### METADATA CONTACT

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CONTACT'S POSITION GIS Help Desk  
CONTACT'S ROLE point of contact

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[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)



## **Metadata Constraints** ▶

### SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

### CONSTRAINTS

#### LIMITATIONS OF USE

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*Hide Metadata Constraints* ▲

## **Thumbnail and Enclosures** ▶

### THUMBNAIL

THUMBNAIL TYPE JPG

*Hide Thumbnail and Enclosures* ▲