

Public Road Arcs, 4th Quarter 2025 - NC Department of Transportation

Geodatabase 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

This layer is a visual representation of public roads in North Carolina, delivered in support of North Carolina Department of Transportation's (NCDOT) Highway Performance Monitoring System (HPMS) reporting. State maintained routes are current through December 2025 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. 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. 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 36.615120
South 33.733304

Scale Range

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

Topics and Keywords

Themes or categories of the resource Transportation

Content type Downloadable Data

Theme keywords Transportation

Thesaurus

Title ISO 19115 Topic Category
Publication date 2026-02-23 00:00:00

Theme keywords Centerline, Roads, US, SR, Major Roads, Primary, Streets, Secondary, NC, Interstate, State maintained roads, Highways

Thesaurus

Title User
Publication date 2026-02-23 00:00:00

Place keywords North Carolina, Division, County

Thesaurus

Title User
Publication date 2026-02-23 00:00:00

Other keywords Downloadable Data

Citation

Title Public Road Arcs, 4th Quarter 2025 - NC Department of Transportation
Publication date 2026-02-23 00:00:00

Presentation formats digital map

Citation Contacts

Responsible party - originator

Organization's name North Carolina Department of Transportation Geographic Information Systems Unit
Contact's position GIS Help Desk

Contact information

Phone

Voice 919.707.2165

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Address

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

City Raleigh

Administrative area North Carolina

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

8am to 5pm, M-F

Contact instructions

Phone or e-mail.

Responsible party - resource provider

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Contact's position GIS Help Desk

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Resource Details

Dataset languages English (UNITED STATES)

Dataset character set utf8 - 8 bit UCS Transfer Format

Status on-going

Spatial representation type vector

Supplemental information

This file should not be used for routing.

Processing environment Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

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

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

SpatialDataMgmt\Maintenance\QuarterlyDataRefresh\Route\2025Q4\Review\NCRouteArcs.gdb

Access protocol Local Area Network

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

Vertical extent

Minimum value -59.600000

Maximum value 6577.400000

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

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 36.615120

South latitude 33.733304

Extent contains the resource Yes

Extent in the item's coordinate system

westBL 406980.080272

eastBL 3051823.000288

southBL 35982.805072

northBL 1042847.424976

exTypeCode Yes

Resource Points of Contact

Point of contact - point of contact

Organization's name North Carolina Department of Transportation Geographic Information Systems Unit

Contact's position GIS Help Desk

Contact information

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Point of contact - resource provider

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Hours of service

8am to 5pm, M-F

Contact instructions

Phone or e-mail.

Resource Maintenance

Resource maintenance

Update frequency quarterly

Maintenance contact - point of contact

Organization's name North Carolina Department of Transportation Geographic Information Systems
Unit

Contact's position GIS Help Desk

Contact information

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Hours of service

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Contact instructions

Phone or e-mail.

Resource Constraints

Legal constraints

Limitations of use

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Security constraints

Classification unclassified

Classification system None

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Spatial Reference

ArcGIS coordinate system

Type Projected

Geographic coordinate reference GCS_North_American_1983

Projection NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet

Coordinate reference details

ProjectedCoordinateSystem

WKID 102719

XOrigin -121841900

YOrigin -93659000

XYScale 1893.9393939393938

ZOrigin -100000

ZScale 9.9999999999999982

MOrigin -100000

MScale 10000000

XYTolerance 0.00528

ZTolerance 0.20000000000000004

MTolerance 9.999999999999995e-07

HighPrecision true

LatestWKID 2264

VCSWKID 105703

LatestVCSWKID 6360

WKT

```
PROJCS["NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-79.0],PARAMETER["Standard_Parallel_1",34.33333333333334],PARAMETER["Standard_Parallel_2",36.16666666666666],PARAMETER["Latitude_Of_Origin",33.75],UNIT["Foot_US",0.3048006096012192]],VERTCS["NAVD_1988_Foot_US",VDATUM["North_American_Vertical_Datum_1988"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot_US",0.3048006096012192]]
```

Reference system identifier

Value 2264

Codespace EPSG

Version 6.12(9.0.0)

Spatial Data Properties

Vector

Level of topology for this dataset geometry only

Geometric objects

Feature class name NCRouteArcs

Object type composite

Object count 915878

ArcGIS Feature Class Properties

Feature class name NCRouteArcs

Feature type Simple

Geometry type Polyline

Has topology FALSE

Feature count 915878

Spatial index TRUE

Linear referencing TRUE

Data Quality

Scope of quality information

Resource level dataset

Lineage

Process step

Description

Metadata updated and dataset copied to web.

Process contact - processor

Organization's name North Carolina Department of Transportation Geographic Information Systems
Unit

Contact's position GIS Help Desk

Contact information

Phone

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Administrative area North Carolina

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

8am to 5pm, M-F

Contact instructions

Phone or e-mail.

Process step

Description

Data Conversion Group maintains the NCDOT LRS in a geodatabase.

Process contact - processor

Organization's name North Carolina Department of Transportation Geographic Information Systems
Unit

Contact's position GIS Help Desk

Contact information

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Hours of service

8am to 5pm, M-F

Contact instructions

Phone or e-mail.

Process step

Description

Run internal program to create product.

Process contact - processor

Organization's name North Carolina Department of Transportation Geographic Information Systems
Unit

Contact's position GIS Help Desk

Contact information

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Voice 919.707.2165

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Contact instructions

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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

Distribution

Distributor

Contact information - distributor

Organization's name North Carolina Department of Transportation Geographic Information Systems
Unit

Contact's position GIS Help Desk

Contact information

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Voice 919.707.2165

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Country US

e-mail address gishelp@ncdot.gov

Hours of service

8am to 5pm, M-F

Contact instructions

Phone or e-mail.

Distribution format

Version 10.8.1

Name File Geodatabase Feature Class

Fields

Details for object NCRouteArcs

Type Feature Class

Row count 915878

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

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 (Transportation Improvement Program)

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

Field MaintCntycode

Alias MaintCntyCode

Data type String

Width 3

Precision 0

Scale 0

Field description

Maintenance county code - county responsible for maintenance of the segment

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 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

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

Field BeginMP6

Alias BeginMp6

Data type Double

Width 8

Precision 0

Scale 0

Field description

Begin Milepost for co-route number 6.

Description source

NCDOT GIS

Field EndMP3

Alias EndMp3
Data type Double
Width 8
Precision 0
Scale 0

Field description

End Milepost for co-route number 3.

Description source

NCDOT GIS

Field EndMP2

Alias EndMp2
Data type Double
Width 8
Precision 0
Scale 0

Field description

End Milepost for co-route number 2.

Description source

NCDOT GIS

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

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

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

Field EndFeatureID

Alias EndFeatureID

Data type String

Width 15

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

Field BeginMP5

Alias BeginMp5

Data type Double

Width 8

Precision 0

Scale 0

Field description

Begin Milepost for co-route number 5.

Description source

NCDOT GIS

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

Field Route3

Alias Route3

Data type String

Width 15

Precision 0

Scale 0

Field description

Eleven digit code describing co-route 3. Built by concatenation of these fields:

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

Description source

NCDOT GIS

Field RouteName

Alias RouteName

Data type String

Width 20

Precision 0

Scale 0

Field description

Route Name is a text representation of the dominant route number. Built by concatenation of these fields: "RouteClass", "RouteNumber".

Description source

NCDOT GIS

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

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

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

Field OBJECTID

Alias OBJECTID

Data type OID

Width 4

Precision 0

Scale 0

Field description

Internal feature number.

Description source

Esri

Description of values

Sequential unique whole numbers that are automatically generated.

Field 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

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

Field RouteID

Alias RouteID

Data type String

Width 15

Precision 0

Scale 0

Field description

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

Description source

NCDOT GIS

Field EndMP6

Alias EndMp6

Data type Double

Width 8

Precision 0

Scale 0

Field description

End Milepost for co-route number 6.

Description source

NCDOT GIS

Field BeginMP1

Alias BeginMp1

Data type Double

Width 8

Precision 0

Scale 0

Field description

Begin Milepost for dominant route (number 1).

Description source

NCDOT GIS

Field MaxMp1

Alias MaxMp1

Data type Double

Width 8

Precision 0

Scale 0

Field description

Length of feature in internal units.

Description source

NCDOT GIS

Description of values

Positive real numbers.

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

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

Field BeginMP4

Alias BeginMp4
Data type Double
Width 8
Precision 0
Scale 0

Field description

Begin Milepost for co-route number 4.

Description source

NCDOT GIS

Field Route4

Alias Route4
Data type String
Width 15
Precision 0
Scale 0

Field description

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

Description source

NCDOT GIS

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

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 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 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

Field GeoDocType

Alias GeoDocType

Data type String

Width 5

Precision 0

Scale 0

Field description

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

Description source

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

Field EndMP4

Alias EndMp4

Data type Double

Width 8

Precision 0

Scale 0

Field description

End Milepost for co-route number 4.

Description source

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

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

Field GeoDocID

Alias GeoDocID
Data type String
Width 25
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

Field MLength

Alias MLength

Data type Double

Width 8

Precision 0

Scale 0

Field description

Segment length calculated from LIDAR data

Description source

NCDOT GIS

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

Field Division

Alias Division
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

The NCDOT Division number for each route segment

Description source

NCDOT

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

Field BeginMP2

Alias BeginMp2

Data type Double

Width 8

Precision 0

Scale 0

Field description

Begin Milepost for co-route number 2.

Description source

NCDOT GIS

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

Field BeginMP3

Alias BeginMp3

Data type Double

Width 8

Precision 0

Scale 0

Field description

Begin Milepost for co-route number 3.

Description source

NCDOT GIS

Field Route5

Alias Route5

Data type String

Width 15

Precision 0

Scale 0

Field description

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

Description source

NCDOT GIS

Field EndMP5

Alias EndMp5

Data type Double

Width 8

Precision 0

Scale 0

Field description

End Milepost for co-route number 5.

Description source

NCDOT GIS

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

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

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

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

Field OwnerType

Alias OwnerType

Data type SmallInteger

Width 2
Precision 0
Scale 0

Field description

The agency that maintains the segment, if ownership cannot be derived from Route Class.

Description source

NCDOT GIS

List of values

Value 2

Description County Highway Agency

Enumerated domain value definition source NCDOT GIS

Value 4

Description City or Municipal Highway Agency

Enumerated domain value definition source NCDOT GIS

Value 11

Description State Park, Forest, or Reservation Agency

Enumerated domain value definition source NCDOT GIS

Value 12

Description Local Park, Forest, or Reservation Agency

Enumerated domain value definition source NCDOT GIS

Value 13

Description Wildlife Resources Commission

Enumerated domain value definition source NCDOT GIS

Value 21

Description Other State Agency

Enumerated domain value definition source NCDOT GIS

Value 25

Description Other Local Agency

Enumerated domain value definition source NCDOT GIS

Value 27

Description Railroad

Enumerated domain value definition source NCDOT GIS

Value 31

Description State Toll Road

Enumerated domain value definition source NCDOT GIS

Value 32

Description Local Toll Authority

Enumerated domain value definition source NCDOT GIS

Value 40

Description Other Public Instrumentality (e.g., Airport)

Enumerated domain value definition source NCDOT GIS

Value 50

Description Indian Tribe Nation

Enumerated domain value definition source NCDOT GIS

Value 60

Description Other Federal Agency

Enumerated domain value definition source NCDOT GIS

Value 62

Description Bureau of Indian Affairs

Enumerated domain value definition source NCDOT GIS

Value 63

Description Bureau of Fish and Wildlife

Enumerated domain value definition source NCDOT GIS

Value 64

Description U.S. Forest Service

Enumerated domain value definition source NCDOT GIS

Value 66

Description National Park Service

Enumerated domain value definition source NCDOT GIS

Value 67

Description Tennessee Valley Authority

Enumerated domain value definition source NCDOT GIS

Value 68

Description Bureau of Land Management

Enumerated domain value definition source NCDOT GIS

Value 69

Description Bureau of Reclamation

Enumerated domain value definition source NCDOT GIS

Value 70

Description Corps of Engineers
Enumerated domain value definition source NCDOT GIS

Value 72
Description Air Force
Enumerated domain value definition source NCDOT GIS

Value 73
Description Navy/Marines
Enumerated domain value definition source NCDOT GIS

Value 74
Description Army
Enumerated domain value definition source NCDOT GIS

Value 80
Description Other
Enumerated domain value definition source NCDOT GIS

Value 98
Description Private-Residential
Enumerated domain value definition source NCDOT GIS

Value 99
Description Private-Other
Enumerated domain value definition source NCDOT GIS

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

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

Field Route2

Alias Route2

Data type String

Width 15

Precision 0

Scale 0

Field description

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

Description source

NCDOT GIS

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

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

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

Field BeginFeatureID

Alias BeginFeatureID

Data type String

Width 15

Precision 0

Scale 0

Field description

BeginFeatureID is used to identify intersecting routes, boundaries and event attributes. Identifies the intersecting route (or county or route change or dead-end) for the beginning of the associated segment. 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

Field Shape

Alias Shape

Data type Geometry

Width 0

Precision 0

Scale 0

Field description

Feature geometry.

Description source

Esri

Description of values

Coordinates defining the features.

Field 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

Field Endmp1

Alias EndMp1

Data type Double

Width 8

Precision 0

Scale 0

Field description

End Milepost for dominant route (route number 1).

Description source

NCDOT GIS

Field Route6

Alias Route6

Data type String

Width 15

Precision 0

Scale 0

Field description

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

"Route6Class","Route6Qualifier","Route6Inventory","Route6Number","MaintCntyCode".

Description source

NCDOT GIS

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

Field Shape_Length

Alias Shape_Length

Data type Double

Width 8

Precision 0

Scale 0

Field description

Length of feature in internal units.

Description source

Esri

Description of values

Positive real numbers that are automatically generated.

Metadata Details

Metadata language English (UNITED STATES)
Metadata character set utf8 - 8 bit UCS Transfer Format

Scope of the data described by the metadata dataset
Scope name dataset

Last update 2026-01-29

ArcGIS metadata properties

Metadata format ArcGIS 1.0
Metadata style ISO 19139 Metadata Implementation Specification
Standard or profile used to edit metadata ISO19139

Created in ArcGIS for the item 2026-01-16 21:32:46
Last modified in ArcGIS for the item 2026-01-29 13:59:20

Automatic updates

Have been performed Yes
Last update 2026-01-29 13:57:15

Metadata Contacts

Metadata contact - point of contact

Organization's name North Carolina Department of Transportation Geographic Information Systems Unit
Contact's position GIS Help Desk

Contact information

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Fax 919.707.2210

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Country US
e-mail address gishelp@ncdot.gov

Hours of service

8am to 5pm, M-F

Contact instructions

Phone or e-mail.

Metadata contact - originator

Organization's name North Carolina Department of Transportation Geographic Information Systems Unit
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Metadata contact - resource provider

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Contact instructions

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Metadata Maintenance

Maintenance

Update frequency quarterly

Maintenance contact - point of contact

Organization's name North Carolina Department of Transportation Geographic Information Systems
Unit

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Metadata Constraints

Legal constraints

Limitations of use

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Security constraints

Classification unclassified

Classification system None

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Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file