

Public Road Arcs, 1st Quarter 2026 - 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 March 2026 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 2026-05-04 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 2026-05-04 00:00:00

Place keywords North Carolina, Division, County

Thesaurus

Title User

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

Other keywords Downloadable Data

Citation

Title Public Road Arcs, 1st Quarter 2026 - NC Department of Transportation

Publication date 2026-05-04 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

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Hours of service
8am to 5pm, M-F

Contact instructions
Phone or e-mail.

Responsible party - resource provider

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

Dataset languages English (UNITED STATES)

Dataset character set utf8 - 8 bit UCS Transfer Format

Status on-going

Spatial representation type vector

Supplemental information

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

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

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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

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Contact instructions

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Resource Constraints

Legal constraints

Limitations of use

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Security constraints

Classification unclassified

Classification system None

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Constraints

Object count 918895

ArcGIS Feature Class Properties

Feature class name NCRouteArcs

Feature type Simple

Geometry type Polyline

Has topology FALSE

Feature count 918895

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

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Country US

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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

Phone

Voice 919.707.2165

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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

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Hours of service

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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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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 918895

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 Value 023	Valid County and State Codes
Description Cleveland	
Enumerated domain value definition source Value 044	Valid County and State Codes
Description Haywood	
Enumerated domain value definition source Value 013	Valid County and State Codes
Description Cabarrus	
Enumerated domain value definition source Value 051	Valid County and State Codes
Description Johnston	
Enumerated domain value definition source Value 047	Valid County and State Codes
Description Hoke	
Enumerated domain value definition source Value 039	Valid County and State Codes
Description Granville	
Enumerated domain value definition source Value 098	Valid County and State Codes
Description Wilson	
Enumerated domain value definition source Value 901	Valid County and State Codes
Description Georgia	
Enumerated domain value definition source Value 099	Valid County and State Codes
Description Yadkin	
Enumerated domain value definition source Value 055	Valid County and State Codes
Description Lincoln	
Enumerated domain value definition source Value 085	Valid County and State Codes
Description Stokes	
Enumerated domain value definition source Value 012	Valid County and State Codes
Description Burke	
Enumerated domain value definition source Value 999	Valid County and State Codes
Description NA	
Enumerated domain value definition source Value 903	Valid County and State Codes
Description Tennessee	
Enumerated domain value definition source Value 060	Valid County and State Codes
Description Mecklenburg	
Enumerated domain value definition source Value 009	Valid County and State Codes

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 Value 019	Valid County and State Codes
Description Chatham	
Enumerated domain value definition source Value 074	Valid County and State Codes
Description Pitt	
Enumerated domain value definition source Value 061	Valid County and State Codes
Description Mitchell	
Enumerated domain value definition source Value 069	Valid County and State Codes
Description Pamlico	
Enumerated domain value definition source Value 054	Valid County and State Codes
Description Lenoir	
Enumerated domain value definition source Value 097	Valid County and State Codes
Description Wilkes	
Enumerated domain value definition source Value 086	Valid County and State Codes
Description Surry	
Enumerated domain value definition source Value 005	Valid County and State Codes
Description Ashe	
Enumerated domain value definition source Value 053	Valid County and State Codes
Description Lee	
Enumerated domain value definition source Value 032	Valid County and State Codes
Description Durham	
Enumerated domain value definition source Value 025	Valid County and State Codes
Description Craven	
Enumerated domain value definition source Value 902	Valid County and State Codes
Description South Carolina	
Enumerated domain value definition source Value 088	Valid County and State Codes
Description Transylvania	
Enumerated domain value definition source Value 075	Valid County and State Codes
Description Polk	
Enumerated domain value definition source Value 034	Valid County and State Codes
Description Forsyth	
Enumerated domain value definition source Value 007	Valid County and State Codes

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

The beginning milepost value for the route segment on co-route 6.

Description source

NCDOT GIS

Field EndMP3

Alias EndMp3

Data type Double

Width 8

Precision 0

Scale 0

Field description

The ending milepost value for the route segment on co-route 3.

Description source

NCDOT GIS

Field EndMP2

Alias EndMp2

Data type Double

Width 8

Precision 0

Scale 0

Field description

The ending milepost value for the route segment on co-route 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

The NCDOT route qualifier for co-route 3.

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 Value 81	Valid Route Primary Codes
Description Rest Area	
Enumerated domain value definition source Value 2	Valid Route Primary Codes
Description Bypass Route	
Enumerated domain value definition source Value 89	Valid Route Primary Codes
Description Non-Mainline	
Enumerated domain value definition source Value 7	Valid Route Primary Codes
Description Connector Route	
Enumerated domain value definition source Value 0	Valid Route Primary Codes
Description Normal Route	
Enumerated domain value definition source Value 80	Valid Route Primary Codes
Description Ramp	
Enumerated domain value definition source Value 9	Valid Route Primary Codes
Description Business Route	
Enumerated domain value definition source Value 6	Valid Route Primary Codes
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

The beginning milepost value for the route segment on co-route 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

The NCDOT route qualifier for co-route 5.

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

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

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

The ending milepost value for the route segment on co-route 6.

Description source

NCDOT GIS

Field BeginMP1

Alias BeginMp1

Data type Double

Width 8

Precision 0

Scale 0

Field description

The beginning milepost value for the route segment.

Description source

NCDOT GIS

Field MaxMp1

Alias MaxMp1

Data type Double

Width 8

Precision 0

Scale 0

Field description

The maximum milepost value of the route, including dominant and co-routed sections.

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

The NCDOT route qualifier for co-route 4.

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 Value 8	Valid Route Primary Codes
Description Truck Route	
Enumerated domain value definition source Value 80	Valid Route Primary Codes
Description Ramp	
Enumerated domain value definition source Value 6	Valid Route Primary Codes
Description West Route	
Enumerated domain value definition source Value 9	Valid Route Primary Codes
Description Business Route	
Enumerated domain value definition source Value 81	Valid Route Primary Codes
Description Rest Area	
Enumerated domain value definition source Value 7	Valid Route Primary Codes
Description Connector Route	
Enumerated domain value definition source Value	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

The beginning milepost value for the route segment on co-route 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

The ending milepost value for the route segment on co-route 4.

Description source

NCDOT GIS

Field RouteQualifier

Alias RouteQualifier

Data type String

Width 5

Precision 0

Scale 0

Field description

The NCDOT route qualifier for the dominant route.

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

The beginning milepost value for the route segment on co-route 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

The beginning milepost value for the route segment on co-route 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

The ending milepost value for the route segment on co-route 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

The NCDOT route qualifier for co-route 2.

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 Value 89	Valid Route Class Codes
Description Non-Mainline	
Enumerated domain value definition source Value 6	Valid Route Class Codes
Description Other State Agency Route	
Enumerated domain value definition source Value 5	Valid Route Class Codes
Description Non-System	
Enumerated domain value definition source Value 82	Valid Route Class Codes
Description Non-System Ramp	
Enumerated domain value definition source Value 2	Valid Route Class Codes
Description US Route	
Enumerated domain value definition source Value 81	Valid Route Class Codes
Description Rest Area	
Enumerated domain value definition source Value 7	Valid Route Class Codes
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

The NCDOT route qualifier for co-route 6.

Description source

Federal Highway Administration/NCDOT GIS

List of values

Value 2

Description Bypass Route

Enumerated domain value definition source Value 1	Valid Route Primary Codes
Description Alternate Route	
Enumerated domain value definition source Value 6	Valid Route Primary Codes
Description West Route	
Enumerated domain value definition source Value 82	Valid Route Primary Codes
Description Non-System Ramp	
Enumerated domain value definition source Value 80	Valid Route Primary Codes
Description Ramp	
Enumerated domain value definition source Value 81	Valid Route Primary Codes
Description Rest Area	
Enumerated domain value definition source Value 0	Valid Route Primary Codes
Description Normal Route	
Enumerated domain value definition source Value 8	Valid Route Primary Codes
Description Truck Route	
Enumerated domain value definition source Value 7	Valid Route Primary Codes
Description Connector Route	
Enumerated domain value definition source Value 89	Valid Route Primary Codes
Description Non-Mainline	
Enumerated domain value definition source Value 9	Valid Route Primary Codes
Description Business Route	
Enumerated domain value definition source Value 5	Valid Route Primary Codes
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

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

The ending milepost value for the route segment.

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 2026-04-22

ArcGIS metadata properties

Metadata format ArcGIS 1.0

Metadata style ISO 19139 Metadata Implementation Specification

Standard or profile used to edit metadata ISO19139

Created in ArcGIS for the item 2026-04-09 14:16:53

Last modified in ArcGIS for the item 2026-04-22 11:07:10

Automatic updates

Have been performed Yes

Last update 2026-04-22 11:05:25

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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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.

Metadata contact - originator

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

Contact's position GIS Help Desk

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Metadata contact - resource provider

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Hours of service

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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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Contact instructions

Phone or e-mail.

Metadata Constraints

Legal constraints

Limitations of use

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Security constraints

Classification unclassified

Classification system None

Limitations of use

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Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file