

Public Road Characteristics, 2nd Quarter 2026 - NC Department of Transportation

Geodatabase Feature Class



Tags Centerline, Division, Downloadable Data, SR, Primary, US, State maintained roads, Highways, NC, Roads, Major Roads, North Carolina, Interstate, Streets, Transportation, Secondary, 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 June 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 a subset of road characteristics for the state road system. The state road system is comprised of Interstate, US, NC, Secondary Routes, and Ramps. Each arc/record is split where road characteristics change along a route. This dataset supports the Federal Highway Administration's (FHWA) data requirements for the Highway Performance Monitoring System (HPMS). HPMS is a national level highway information system that includes data on the extent, condition, performance, use, and operating characteristics of the Nation's highways. States are required to submit an HPMS report to FHWA annually. This dataset also contains projected routes, generalized locations of routes that will become part of the National Highway System (NHS) when they are built. The non-system roads are consumed and conflated from authoritative sources, including local (i.e. county), state (i.e. parks) and federal (i.e. Forest Service) entities. 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; Transportation Asset Analytics - Events; Transportation Planning Branch – Functional Class, National Highway System; Traffic Safety Unit - Speed Limit.

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

Thesaurus

Title User

Publication date 2026-08-03 00:00:00

Theme keywords Transportation

Thesaurus

Title ISO 19115 Topic Category

Publication date 2026-08-03 00:00:00

Place keywords Division, North Carolina, County

Thesaurus

Title User

Publication date 2026-08-03 00:00:00

Other keywords Downloadable Data

Citation

Title Public Road Characteristics, 2nd Quarter 2026 - NC Department of Transportation

Publication date 2026-08-03 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 - point of contact

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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; Transportation Asset Analytics - Events; Transportation Planning Branch – Functional Class, National Highway System; Traffic Safety Unit - Speed Limit.

ArcGIS item properties

Name NCRouteCharacteristics

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

SpatialDataMgmt\Maintenance\QuarterlyDataRefresh\Route\2026Q2\Review\NCRouteCharacteristics.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 33.733249
North latitude 36.617735
Extent contains the resource Yes

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

Phone

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Point of contact - originator

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Point of contact - resource provider

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Contact's position GIS Help Desk

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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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Voice 919.707.2165

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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

Limitations of use

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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["NAD_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 NCRouteCharacteristics

Object type composite

Object count 1201628

ArcGIS Feature Class Properties

Feature class name NCRouteCharacteristics

Feature type Simple

Geometry type Polyline

Has topology FALSE

Feature count 1201628

Spatial index TRUE

Linear referencing TRUE

Data Quality

Scope of quality information

Resource level dataset

Lineage

Process step

Description

Metadata updated and 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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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.

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

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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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Country US
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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 NCRouteCharacteristics

Type Feature Class
Row count 1201628
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 AadttMulti

Alias AadttMulti
Data type Integer
Width 4
Precision 0
Scale 0

Field description
Annual Average Daily Truck Traffic of Multi-Unit Trucks

Description source
NCDOT

Field OwnerName

Alias OwnerName
Data type String
Width 100
Precision 0
Scale 0

Field description

Ownership Name for the segment.

Description source

NCDOT GIS

Field HOVType

Alias HOVType

Data type String

Width 10

Precision 0

Scale 0

Field description

The type of lanes used for HOV exclusively or during specified time periods

Description source

NCDOT GIS

List of values

Value Full-Time

Description Full-Time HOV: Section has exclusive HOV lanes (no other use permitted)

Enumerated domain value definition source Code:dPubHOVType

Value Part-Time

Description Part-Time HOV: Normal through lane(s) used as HOV lanes during specified time periods

Enumerated domain value definition source Code:dPubHOVType

Value Shldr/Prkg

Description Shoulder/Parking HOV: Shoulder/parking lane(s) used for HOV lanes during specific time periods

Enumerated domain value definition source Code:dPubHOVType

Field TollID

Alias TollID

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

The identifier assigned by FHWA to the toll road

Description source

NCDOT GIS

List of values

Value 193

Description Triangle Parkway

Enumerated domain value definition source Code:dPubTolIID

Value 194

Description Western Wake Expressway

Enumerated domain value definition source Code:dPubTolIID

Field TollCharged

Alias TollCharged

Data type String

Width 10

Precision 0

Scale 0

Field description

Indicates the travel direction that a toll is charged

Description source

NCDOT GIS

List of values

Value Both Dir

Description Both Directions: Toll is charged in both directions

Enumerated domain value definition source Code:dPubTollCharged

Value One Dir

Description One Direction: Toll is charged in one direction only

Enumerated domain value definition source Code:dPubTollCharged

Value None

Description No Toll Charged: No toll is charged on the toll road

Enumerated domain value definition source Code:dPubTollCharged

Field AadttSingle

Alias AadttSingle

Data type Integer

Width 4

Precision 0

Scale 0

Field description

Annual Average Daily Truck Traffic of Single Unit Trucks

Description source

NCDOT

Field MedianType

Alias MedianType
Data type String
Width 10
Precision 0
Scale 0

Field description

Indicates the type of median, or presence of a continuous turn lane. No data indicates that the road is undivided.

Description source

NCDOT GIS

List of values

Value Curb

Description Curb: This code is used for legacy data; eventually unspecified positive

Enumerated domain value definition source Code:dPubMedianType

Value Striped

Description Striped: painted pavement

Enumerated domain value definition source Code:dPubMedianType

Value PM

Description Paved Mountable

Enumerated domain value definition source Code:dPubMedianType

Value Grass

Description Grass (Includes cable guardrail)

Enumerated domain value definition source Code:dPubMedianType

Value SRPB

Description Semi-Rigid Positive Barrier: A raised median with a sloped edge; includes guardrails

Enumerated domain value definition source Code:dPubMedianType

Value FPB

Description Flexible Positive Barrier (Includes cable guardrails)

Enumerated domain value definition source Code:dPubMedianType

Value RPB

Description Rigid Positive Barrier: A raised median with a sloped edge; includes guardrails

Enumerated domain value definition source Code:dPubMedianType

Field MilitaryBase

Alias MilitaryBase
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

The military base name for the Strategic Highway Network (STRAHNET) route.

Description source

NCDOT GIS

List of values

Value 2

Description Seymour Johnson Air Force Base

Enumerated domain value definition source Code:dPubMilitaryBase

Value 6

Description New River Marine Air Station

Enumerated domain value definition source Code:dPubMilitaryBase

Value 7

Description Elizabeth City Coast Guard Air Station

Enumerated domain value definition source Code:dPubMilitaryBase

Value 3

Description Fort Bragg Army Base

Enumerated domain value definition source Code:dPubMilitaryBase

Value 5

Description Cherry Point Marine Air Station

Enumerated domain value definition source Code:dPubMilitaryBase

Value 1

Description Pope Air Force Base

Enumerated domain value definition source Code:dPubMilitaryBase

Value 4

Description Camp Lejeune Marine Base

Enumerated domain value definition source Code:dPubMilitaryBase

Field SampleID

Alias SampleID

Data type Integer

Width 4

Precision 0

Scale 0

Field description

The HPMS Sample identification number

Description source

NCDOT GIS

Range of values

Minimum value 100000
Maximum value 999999
Units of measure Feet

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 SrcDocID

Alias SrcDocID
Data type String
Width 30
Precision 0
Scale 0

Field description

The document reference that created the segment or caused the most recent official change: 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 (Typical values are the TIP number or the Petition number).

Field RouteNumber

Alias RouteNumber
Data type String
Width 5
Precision 0

Scale 0

Field description

Route number - dominant route number: The route number represented by the 4th – 8th positions of the Route ID

Description source

Federal Highway Administration/NCDOT GIS

Description of values

Positive real numbers that are manually generated

Field RouteQualifier

Alias RouteQualifier

Data type String

Width 5

Precision 0

Scale 0

Field description

The NCDOT route qualifier for the dominant route.

Description source

Federal Highway Administration/NCDOT GIS

List of values

Value 80

Description Ramp

Enumerated domain value definition source Valid Route Primary Codes

Value 6

Description West Route. Used only for US-19 West, which is a different route than US-19

Enumerated domain value definition source Valid Route Primary Codes

Value 8

Description Truck Route

Enumerated domain value definition source Valid Route Primary Codes

Value 5

Description East Route. Used only for US-19 East, which is a different route than US-19

Enumerated domain value definition source Valid Route Primary Codes

Value 81

Description Rest Area

Enumerated domain value definition source Valid Route Primary Codes

Value 9

Description Business 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 1

Description Alternate Route. If the route class is FED, 1 (Alternative) is military-owned.

Enumerated domain value definition source Valid Route Primary Codes

Value 0

Description Normal Route. On most routes this indicates it is the normal route. If the route class is FED, then 0 (Normal) is the Blue Ridge Parkway

Enumerated domain value definition source Valid Route Primary Codes

Value 7

Description Connector Route. If the Route Class is Interstate, then the route is a spur. If the Route Class is US or NC Route then the route is a connector.

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 89

Description Non-Mainline

Enumerated domain value definition source Valid Route Primary Codes

Field SrfcWidth

Alias SrfcWidth

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

The width of the road, either the paved surface, or surface from ditch to ditch on unpaved roads.

Description source

NCDOT GIS

Range of values

Minimum value 9

Maximum value 400

Units of measure Feet

Field STRAHNETType

Alias STRAHNETType
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

The military's Strategic Highway Network (STRAHNET), as defined in 23 CFR 470.107(b). Is part of the National Highway System.

Description source

NCDOT GIS

List of values

Value 1
Description Regular STRAHNET route
Enumerated domain value definition source Code:dPubSTRAHNET

Value 2
Description STRAHNET Connector route
Enumerated domain value definition source Code:dPubSTRAHNET

Field UrbanPop

Alias UrbanPop
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

The population grouping of the smooth boundary or municipality that the road segment is located within (includes unincorporated extensions).

Description source

NCDOT GIS

List of values

Value 6
Description 100,000 to 199,999
Enumerated domain value definition source Code:dPubUrbanPopulation

Value 4
Description 25,000 to 49,999
Enumerated domain value definition source Code:dPubUrbanPopulation

Value 1
Description Less than 2,500

Enumerated domain value definition source Code:dPubUrbanPopulation

Value 7

Description > 200,000

Enumerated domain value definition source Code:dPubUrbanPopulation

Value 3

Description 5,000 to 24,999

Enumerated domain value definition source Code:dPubUrbanPopulation

Value 5

Description 50,000 to 99,999

Enumerated domain value definition source Code:dPubUrbanPopulation

Value 2

Description 2,500 to 4,999

Enumerated domain value definition source Code:dPubUrbanPopulation

Field MunPopGroup

Alias MunPopGroup

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

The population grouping of the municipality that the road segment is located within.

Description source

NCDOT GIS

List of values

Value 6

Description 25,000 to 49,999

Enumerated domain value definition source Code:dPubMunicipalPopulationGroup

Value 7

Description 50,000 to 99,999

Enumerated domain value definition source Code:dPubMunicipalPopulationGroup

Value 8

Description 100,000 and over

Enumerated domain value definition source Code:dPubMunicipalPopulationGroup

Value 1

Description Under 1,000 Population

Enumerated domain value definition source Code:dPubMunicipalPopulationGroup

Value 3
Description 2,500 to 4,999
Enumerated domain value definition source Code:dPubMunicipalPopulationGroup

Value 2
Description 1000 to 2,499
Enumerated domain value definition source Code:dPubMunicipalPopulationGroup

Value 5
Description 10,000 to 24,999
Enumerated domain value definition source Code:dPubMunicipalPopulationGroup

Value 4
Description 5,000 to 9,999
Enumerated domain value definition source Code:dPubMunicipalPopulationGroup

Field Direction

Alias Direction
Data type String
Width 2
Precision 0
Scale 0

Field description

Route direction code - indicates the direction of the dominant route

Description source

Federal Highway Administration/NCDOT GIS

List of values

Value OI
Description Oneway Inventory
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 EB
Description Eastbound
Enumerated domain value definition source Valid Route Direction Codes

Value NB
Description Northbound

Enumerated domain value definition source Valid Route Direction Codes

Value OO

Description Oneway Opposite

Enumerated domain value definition source Valid Route Direction Codes

Value CC

Description Counterclockwise

Enumerated domain value definition source Valid Route Direction Codes

Value WB

Description Westbound

Enumerated domain value definition source Valid Route Direction Codes

Value CW

Description Clockwise

Enumerated domain value definition source Valid Route Direction Codes

Field RtPvdShldrWidth

Alias RtPvdShldrWidth

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

The paved shoulder surface width for right shoulders.

Description source

NCDOT GIS

Range of values

Minimum value 1

Maximum value 16

Units of measure Feet

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

Field AddDocID

Alias AddDocID
Data type String
Width 50
Precision 0
Scale 0

Field description

The reference number or code of the document that created the segment/authorized the addition to the state maintained system.

Description source

NCDOT GIS

Field RtShldrWidth

Alias RtShldrWidth
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

The total shoulder width for right shoulders. Includes paved and unpaved shoulders.

Description source

NCDOT GIS

Range of values

Minimum value 1
Maximum value 30
Units of measure Feet

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 Both

Description Both Directions

Enumerated domain value definition source Valid Codes for One Way Direction Flag

Value One-way

Description One Direction

Enumerated domain value definition source Valid Codes for One Way Direction Flag

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. System Routes = Route Class IN (1,2,3,4,80,81,9); Non-System = Route Class IN (5,6,7,82)

Description source

NCDOT GIS

List of values

Description Non-System

Enumerated domain value definition source Valid Route Status Codes

Description System

Enumerated domain value definition source Valid Route Status Codes

Field NHS

Alias NHS

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

National Highway System code designation (Codes 2-9 specify the type of intermodal connector). NHS is a network of nationally significant highways approved by Congress in the National Highway System Designation Act of 1995. All codes, 1-21, are part of the National Highway System.

Description source

NCDOT GIS

List of values

Value 2

Description Major Airport
Enumerated domain value definition source Code:dPubNationalHighwaySystem

Value 21

Description Enhanced NHS – section was added to the National Highway System as part of MAP-21 legislation on October 1, 2012. These roads were principal arterials that were not part of the existing NHS.
Enumerated domain value definition source Code:dPubNationalHighwaySystem

Value 3

Description Major Port Facility
Enumerated domain value definition source Code:dPubNationalHighwaySystem

Value 6

Description Major Inter-city Bus Terminal
Enumerated domain value definition source Code:dPubNationalHighwaySystem

Value 7

Description Major Public Transit Terminal/Multi-modal Passenger Terminal
Enumerated domain value definition source Code:dPubNationalHighwaySystem

Value 8

Description Major Pipeline Terminal
Enumerated domain value definition source Code:dPubNationalHighwaySystem

Value 4

Description Major Amtrak Station
Enumerated domain value definition source Code:dPubNationalHighwaySystem

Value 11

Description Congressional High Priority Corridor
Enumerated domain value definition source Code:dPubNationalHighwaySystem

Value 1

Description NHS: not Intermodal Connector/MAP-21
Enumerated domain value definition source Code:dPubNationalHighwaySystem

Value 5

Description Major Rail/Truck Terminal
Enumerated domain value definition source Code:dPubNationalHighwaySystem

Value 9

Description Major Ferry Terminal
Enumerated domain value definition source Code:dPubNationalHighwaySystem

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 RouteID

Alias RouteID

Data type String

Width 15

Precision 0

Scale 0

Field description

Eleven digit code describing route 1. Built by concatenation of these fields:

"RouteClass","RouteQualifier","RouteInventory","RouteNumber","MaintCntyCode".

Description source

NCDOT GIS

Field EndFeatureID

Alias EndFeatureID

Data type String

Width 20

Precision 0

Scale 0

Field description

Ending Intersection Feature for dominant route. Identifies the intersecting route (or county or route change or dead-end) for the ending of the associated segment.

Description source

NCDOT GIS

List of values

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 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 X-Cross

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

Enumerated domain value definition source NCDOT GIS

Value DEAD-END

Description The route segment ends.

Enumerated domain value definition source NCDOT GIS

Value Route number

Description Dominant intersecting Route which is determined by a. lowest numeric RouteClass then b. lowest numeric RouteQualifier then c. lowest numeric RouteNumber and lastly the d. lowest numeric

Enumerated domain value definition source NCDOT GIS

Value Pseudo

Description Route event attributes change within a single segment such as StreetName and Pavement Type.

Enumerated domain value definition source NCDOT GIS

Value NA

Description Unable to identify type of intersection.

Enumerated domain value definition source NCDOT GIS

Field LftShldrType

Alias LftShldrType

Data type String

Width 10

Precision 0

Scale 0

Field description

Indicates the surface type of left shoulder.

Description source

NCDOT GIS

List of values

Value Bitum

Description Bituminous

Enumerated domain value definition source Code:dPubShoulderType

Value Concrete

Description Concrete

Enumerated domain value definition source Code:dPubShoulderType

Value Grass

Description Grass or Sod

Enumerated domain value definition source Code:dPubShoulderType

Value Gravel

Description Gravel or Stone

Enumerated domain value definition source Code:dPubShoulderType

Value Curb-Con

Description Curb-Concrete

Enumerated domain value definition source Code:dPubShoulderType

Value Curb-Bit

Description Curb-Bituminous

Enumerated domain value definition source Code:dPubShoulderType

Field AccessCont

Alias AccessCont

Data type String

Width 10

Precision 0

Scale 0

Field description

Used to indicate where some degree of control of through traffic movement is made to a road. No data indicates that the section of road has no access control (free movement with intersecting roads and driveways).

Description source

NCDOT GIS

List of values

Value Partial

Description Partial: PREFERENCE HAS BEEN GIVEN TO THROUGH TRAFFIC MOVEMENT. IN ADDITION TO INTERCHANGES THERE MAY BE SOME CROSSING AT GRADE WITH PUBLIC ROADS, BUT DIRECT PRIVATE DRIVEWAY CONNECTIONS HAVE BEEN MINIMIZED.

Enumerated domain value definition source Code:dPubAccessControl

Value Full

Description Full: PREFERENCE HAS BEEN GIVEN TO THROUGH TRAFFIC MOVEMENTS BY PROVIDING INTERCHANGES WITH SELECTED ROADS, BY PROHIBITING CROSSINGS AT GRADE, AND BY PROHIBITING DIRECT DRIVEWAY CONNECTIONS.

Enumerated domain value definition source Code:dPubAccessControl

Field PeakLanes

Alias PeakLanes

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

The number of lanes in the peak hour direction of flow, only if the value is not equal to ½ the number of lanes for undivided roads, or the number of lanes in the peak direction if the road is divided in the LRS. No data indicates that the information can be derived from the Number of Lanes table.

Description source

NCDOT GIS

Range of values

Minimum value 1

Maximum value 12

Units of measure Lane

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 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 DesignSpd

Alias DesignSpd

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

Design Speed; the maximum speed at which a vehicle can safely operate on the road

Description source

NCDOT GIS

Range of values

Minimum value 15

Maximum value 80

Units of measure MPH

Field TollType

Alias TollType

Data type String

Width 10

Precision 0

Scale 0

Field description

Used to identify the type of toll road

Description source

NCDOT GIS

List of values

Value HOT

Description High Occupancy Toll (HOT) Lanes

Enumerated domain value definition source Code:dPubTollType

Value Regular

Description Regular Toll

Enumerated domain value definition source Code:dPubTollType

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 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 UrbanType

Alias UrbanType
Data type String
Width 15
Precision 0
Scale 0

Field description
The designated code of the Urban Area that the segment is located within.

Description source
NCDOT GIS

List of values
Value Urbanized Area
Description Urbanized Area
Enumerated domain value definition source Code:dPubUrbanAreaType

Value Urban Cluster
Description Urban Cluster
Enumerated domain value definition source Code:dPubUrbanAreaType

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 UrbanID

Alias UrbanID

Data type Integer

Width 4

Precision 0

Scale 0

Field description

Urban Identification Code, US Census Bureaus 5 digit urbanized area code.

Description source

NCDOT GIS

List of values

Value 94996

Description Whiteville

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 27415

Description EMERALD_ISLE

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 38269

Description Henderson

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 26119

Description EDENTON

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 66592

Description Oxford

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 38809

Description High Point

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 25228

Description Durham-Chapel Hill-Carrboro

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 91108

Description Wadesboro

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 82522

Description Smithfield

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 59032

Description MOORESVILLE

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 35380

Description Greenville

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 49501

Description LEXINGTON

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 42400

Description Jacksonville

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 32653

Description Gastonia

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 45397

Description Kinston

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 84574

Description STATESVILLE

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 86761

Description Taylorsville

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 86707

Description Tarboro

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 30331

Description Forest City

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 60895

Description Myrtle Beach-Socastee

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 48178
Description Laurinburg
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 40510
Description HUBERT
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 45208
Description KINGS_MOUNTAIN
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 75448
Description Roanoke Rapids
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 75772
Description Rockingham-Hamlet
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 78391
Description SALISBURY
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 11415
Description Buies Creek
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 26848
Description Elkin
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 95509
Description Williamston
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 64459
Description Oak Island
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 54631
Description Marion
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 63946
Description North Wilkesboro
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 13942

Description CAROLINASH

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 75988

Description Rocky Mount

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 19558

Description Concord

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 86024

Description Swansboro

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 15670

Description Charlotte

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 33814

Description Goldsboro

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 26092

Description Eden

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 57979

Description Mocksville

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 78877

Description Sanford

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 17425

Description CLAYTON

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 5861

Description Cherryville

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 44965

Description Kill Devil Hills

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 21664

Description Cullowhee
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 36585
Description Hampstead
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 26686
Description Elizabeth City
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 11728
Description Burlington
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 74152
Description Reidsville
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 31384
Description Franklin
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 982
Description Albemarle
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 81199
Description Shelby
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 92404
Description Washington
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 54199
Description Manteo
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 81955
Description Siler City
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 52066
Description Lumberton
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 17992
Description Clinton

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 12025

Description Butner

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 9055

Description Boone

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 74601

Description Richlands South

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 3331

Description Asheboro

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 49987

Description Lincolnton

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 94483

Description WESTPORT

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 60031

Description Mount Olive

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 95833

Description Wilmington

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 73234

Description RAEFORD

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 59815

Description Mount Airy

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 83197

Description Pinehurst-Southern Pines

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 68401

Description Pembroke

Enumerated domain value definition source Code:dPubUrbanIdentification

Value 76501
Description Roxboro
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 10027
Description Brevard
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 59194
Description Morehead City
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 25039
Description Dunn
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 61840
Description New Bern
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 95914
Description Wilson
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 3358
Description French Broad River
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 38647
Description Hickory
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 96670
Description Winston Salem
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 37675
Description Havelock
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 73261
Description Capital Area Metropolitan Organization
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 29440
Description Fayetteville
Enumerated domain value definition source Code:dPubUrbanIdentification

Value 35164

Description Greensboro

Enumerated domain value definition source Code:dPubUrbanIdentification

Field RtShldrType

Alias RtShldrType

Data type String

Width 10

Precision 0

Scale 0

Field description

Indicates the surface type of right shoulder.

Description source

NCDOT GIS

List of values

Value Gravel

Description Gravel or Stone

Enumerated domain value definition source Code:dPubShoulderType

Value Concrete

Description Concrete

Enumerated domain value definition source Code:dPubShoulderType

Value Grass

Description Grass or Sod

Enumerated domain value definition source Code:dPubShoulderType

Value Curb-Bit

Description Curb-Bituminous

Enumerated domain value definition source Code:dPubShoulderType

Value Bitum

Description Bituminous

Enumerated domain value definition source Code:dPubShoulderType

Value Curb-Con

Description Curb-Concrete

Enumerated domain value definition source Code:dPubShoulderType

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 M

Description Municipal Agreement

Enumerated domain value definition source Valid Source Document Codes

Value P

Description Petition

Enumerated domain value definition source Valid Source Document Codes

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 R

Description Project Alignment

Enumerated domain value definition source Valid Source Document Codes

Value N

Description Not-Verified

Enumerated domain value definition source Valid Source Document Codes

Field LftShldrWidth

Alias LftShldrWidth

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

The total shoulder width for left shoulders. Includes paved and unpaved shoulders.

Description source

NCDOT GIS

Range of values

Minimum value 1

Maximum value 30
Units of measure Feet

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 FuncClass

Alias FuncClass
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

A classification system of roads based on the character of traffic service that they are intended to provide. Approval of changes is done by the Federal Highway Administration.

Description source

NCDOT GIS

List of values

Value 4

Description Minor Arterial

Enumerated domain value definition source Code:dPubFunctionalClass

Value 2

Description PA-FrwyExp

Enumerated domain value definition source Code:dPubFunctionalClass

Value 1

Description Interstate

Enumerated domain value definition source Code:dPubFunctionalClass

Value 5

Description Major Collector

Enumerated domain value definition source Code:dPubFunctionalClass

Value 7

Description Local

Enumerated domain value definition source Code:dPubFunctionalClass

Value 3

Description PA-Other

Enumerated domain value definition source Code:dPubFunctionalClass

Value 6

Description Minor Collector

Enumerated domain value definition source Code:dPubFunctionalClass

Field SrfcThickness

Alias SrfcThickness

Data type Double

Width 8

Precision 0

Scale 0

Field description

The thickness of the surface material of the road.

Description source

NCDOT GIS

Range of values

Minimum value 0.25

Maximum value 18

Units of measure Inches

Field SpeedLimit

Alias SpeedLimit

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

The posted speed limit (in miles per hour). "All maximum speed limits are established by North Carolina General Statute 20-141 (b) as being 35 miles per hour (MPH) for all vehicles within the corporate limits of a municipality and 55 MPH for all vehicles outside the corporate limits of a municipality. However, North Carolina General Statutes 20-141 (d) and 20-141 (f) allow the North Carolina Department of Transportation (NCDOT) to change maximum speed limits on State Highway System (SHS) roads following a traffic engineering study. Speed limits established by incorporated municipalities on non-SHS routes are not included in this data."

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 TownName

Alias TownName
Data type String
Width 30
Precision 0
Scale 0

Field description

A name identifying the municipality where the segment is located.

Description source

NCDOT GIS

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** 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 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 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

Value 7
Description Federal 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 5
Description Non-System
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

Field ImprvDocType

Alias ImprvDocType

Data type String

Width 10

Precision 0

Scale 0

Field description

The type of document that references the most recent improvement to the segment.

Description source

NCDOT GIS

List of values

Value Other

Description Other

Enumerated domain value definition source Code:dPubImprovementDocum

Value TIP

Description TIP (Transportation Improvement Plan)

Enumerated domain value definition source Code:dPubImprovementDocum

Value Resfrc

Description Resurfacing Package

Enumerated domain value definition source Code:dPubImprovementDocum

Value Paving Report

Description Paving Report

Enumerated domain value definition source Code:dPubImprovementDocum

Field RouteID3

Alias RouteID3

Data type String

Width 15

Precision 0

Scale 0

Field description

RouteID for co-route number 3.

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

Field FcltyType

Alias FcltyType
Data type String
Width 30
Precision 0
Scale 0

Field description

Facility Type; Indicates operational characteristics of the road that cannot be derived from the LRS.

Description source

NCDOT GIS

List of values

Value Couplet
Description Couplet
Enumerated domain value definition source Code:dPubFacilityType

Value GS Ramp
Description Grade-Separated Ramp
Enumerated domain value definition source Code:dPubFacilityType

Value Non-Main
Description Non-Mainline
Enumerated domain value definition source Code:dPubFacilityType

Value One Way
Description One-Way Roadway
Enumerated domain value definition source Code:dPubFacilityType

Field ImprvDate

Alias ImprvDate
Data type Date
Width 8
Precision 0
Scale 0

Field description

The date that the section of road was last improved

Description source

NCDOT GIS

Field AADT

Alias AADT

Data type Integer
Width 4
Precision 0
Scale 0

Field description

Annual Average Daily Traffic

Description source

NCDOT

Field RouteID5

Alias RouteID5
Data type String
Width 15
Precision 0
Scale 0

Field LftTrnLnWidth

Alias LftTrnLnWidth
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

The total width for left turning lanes.

Description source

NCDOT GIS

Range of values

Minimum value 6
Maximum value 120
Units of measure Feet

Field GeoDocID

Alias GeoDocID
Data type String
Width 15
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 NHSDate

Alias NHSDate

Data type Date

Width 8

Precision 0

Scale 0

Field description

The date that the NHS section was officially approved. Month and year are required for HPMS.

Description source

memos from the Transportation Planning Branch, <http://www.ncdot.gov/planning/development/TIP/nhs/>

Field RtTrnLnType

Alias RtTrnLnType

Data type String

Width 10

Precision 0

Scale 0

Field description

Describes the peak period right turning lane situation. No data indicates that the section of road has no right turn lanes.

Description source

NCDOT GIS

List of values

Value Single

Description Single Turn Lane

Enumerated domain value definition source Code:dPubTurnLaneType

Value Continuous

Description Continuous Turn Lane

Enumerated domain value definition source Code:dPubTurnLaneType

Value No Peak

Description No Turns During Peak Time

Enumerated domain value definition source Code:dPubTurnLaneType

Value Multiple

Description Multiple Turn Lanes

Enumerated domain value definition source Code:dPubTurnLaneType

Field RouteName

Alias RouteName

Data type String

Width 20

Precision 0

Scale 0

Field description

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

Description source

NCDOT GIS

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 BeginFeatureID

Alias BeginFeatureID

Data type String

Width 20

Precision 0

Scale 0

Field description

Identifies the intersecting route (or county or route change or dead-end) for the beginning of the associated segment.

Description source

NCDOT GIS

List of values

Value DEAD-END

Description The route segment ends.

Enumerated domain value definition source NCDOT GIS

Value Route number

Description See RouteID attribute description

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

Enumerated domain value definition source NCDOT GIS

Value NA

Description Unable to identify type of intersection.

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 Pseudo

Description Change in event attributes for the segment.

Enumerated domain value definition source NCDOT GIS

Field MaintCntyCode

Alias MaintCntyCode

Data type String

Width 3

Precision 0

Scale 0

Field description

Maintenance county code - county responsible for maintenance

Description source

NCDOT GIS

List of values

Value 018

Description Catawba

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	048	
Description	Hyde	
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	071	
Description	Pender	
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	062	
Description	Montgomery	
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	037	
Description	Gates	
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	045	
Description	Henderson	
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	065	
Description	New Hanover	
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 054

Description Lenoir

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 026

Description Cumberland

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 042

Description Halifax

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 069

Description Pamlico

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 088

Description Transylvania

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 903

Description Tennessee

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 067
Description Onslow
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 060
Description Mecklenburg
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 046
Description Hertford
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 095
Description Watauga
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 024
Description Columbus
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 019
Description Chatham
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 035

Description Franklin

Enumerated domain value definition source Valid County and State Codes

Value 078

Description Robeson

Enumerated domain value definition source Valid County and State Codes

Value 059

Description McDowell

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 086

Description Surry

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 002

Description Alexander

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 029

Description Davidson

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 038

Description Graham

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 098

Description Wilson
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 074
Description Pitt
Enumerated domain value definition source Valid County and State Codes

Value 056
Description Macon
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 901
Description Georgia
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 084
Description Stanly
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 043
Description Harnett
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 081
Description Rutherford
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 031

Description Duplin

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 092

Description Wake

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 902

Description South Carolina

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 001

Description Alamance

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 041

Description Guilford

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 006

Description Avery

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 085
Description Stokes
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 093
Description Warren
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 020
Description Cherokee
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 999
Description NA
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 076
Description Randolph
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 053
Description Lee
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 073

Description Person

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 025

Description Craven

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 003

Description Alleghany

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 091

Description Vance

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 023

Description Cleveland

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 052

Description Jones

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 021

Description Chowan
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 030
Description Davie
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 033
Description Edgecombe
Enumerated domain value definition source Valid County and State Codes

Value 010
Description Brunswick
Enumerated domain value definition source Valid County and State Codes

Field TerrainType

Alias TerrainType
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description
Generalized terrain classification for road segment.

Description source
NCDOT GIS

List of values

Value 2
Description Rolling
Enumerated domain value definition source Code:dPubTerrainType

Value 1
Description Level
Enumerated domain value definition source Code:dPubTerrainType

Value 3
Description Mountainous
Enumerated domain value definition source Code:dPubTerrainType

Field MaintOps

Alias MaintOps

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

The agency maintaining the segment.

Description source

NCDOT GIS

List of values

Value 27

Description Railroad

Enumerated domain value definition source Code:dPubOwnership

Value 60

Description Other Federal Agency

Enumerated domain value definition source Code:dPubOwnership

Value 66

Description National Park Service

Enumerated domain value definition source Code:dPubOwnership

Value 68

Description Bureau of Land Management

Enumerated domain value definition source Code:dPubOwnership

Value 31

Description State Toll Road

Enumerated domain value definition source Code:dPubOwnership

Value 63

Description Bureau of Fish and Wildlife

Enumerated domain value definition source Code:dPubOwnership

Value 12

Description Local Park, Forest, or Reservation Agency

Enumerated domain value definition source Code:dPubOwnership

Value 11

Description State Park, Forest, or Reservation Agency

Enumerated domain value definition source Code:dPubOwnership

Value 2

Description County Highway Agency
Enumerated domain value definition source Code:dPubOwnership

Value 3
Description Town or Township Highway Agency
Enumerated domain value definition source Code:dPubOwnership

Value 32
Description Local Toll Authority
Enumerated domain value definition source Code:dPubOwnership

Value 26
Description Private (other than Railroad)
Enumerated domain value definition source Code:dPubOwnership

Value 73
Description Navy/Marines
Enumerated domain value definition source Code:dPubOwnership

Value 50
Description Indian Tribe Nation
Enumerated domain value definition source Code:dPubOwnership

Value 72
Description Air Force
Enumerated domain value definition source Code:dPubOwnership

Value 21
Description Other State Agency
Enumerated domain value definition source Code:dPubOwnership

Value 70
Description Corps of Engineers
Enumerated domain value definition source Code:dPubOwnership

Value 67
Description Tennessee Valley Authority
Enumerated domain value definition source Code:dPubOwnership

Value 69
Description Bureau of Reclamation
Enumerated domain value definition source Code:dPubOwnership

Value 64
Description U.S. Forest Service
Enumerated domain value definition source Code:dPubOwnership

Value 62
Description Bureau of Indian Affairs

Enumerated domain value definition source Code:dPubOwnership

Value 40

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

Enumerated domain value definition source Code:dPubOwnership

Value 25

Description Other Local Agency

Enumerated domain value definition source Code:dPubOwnership

Value 4

Description City or Municipal Highway Agency

Enumerated domain value definition source Code:dPubOwnership

Value 80

Description Other

Enumerated domain value definition source Code:dPubOwnership

Value 74

Description Army

Enumerated domain value definition source Code:dPubOwnership

Field AddDocType

Alias AddDocType

Data type String

Width 10

Precision 0

Scale 0

Field description

The type of source document that authorized the addition to the state maintained system.

Description source

NCDOT GIS

List of values

Value Other

Description OTHER

Enumerated domain value definition source Code:dPubAdditionDocument

Value TIP

Description TIP

Enumerated domain value definition source Code:dPubAdditionDocument

Value MA

Description MUNICIPAL_AGREEMENT

Enumerated domain value definition source Code:dPubAdditionDocument

Value Petition
Description Petition
Enumerated domain value definition source Code:dPubAdditionDocument

Value Correction
Description Correction
Enumerated domain value definition source Code:dPubAdditionDocument

Field BaseDetail

Alias BaseDetail
Data type String
Width 10
Precision 0
Scale 0

Field description

Detailed base type values. The data is collected from petitions and municipal agreements for the Pavement Management Unit.

Description source

NCDOT GIS

List of values

Value I19.0B
Description I19.0B
Enumerated domain value definition source Code:dPubBaseDetail

Value Soil
Description Soil
Enumerated domain value definition source Code:dPubBaseDetail

Value STBC
Description Soil Type Base Course
Enumerated domain value definition source Code:dPubBaseDetail

Value I19.0D
Description I19.0D
Enumerated domain value definition source Code:dPubBaseDetail

Value CABC
Description Coarse Aggregate Base Course
Enumerated domain value definition source Code:dPubBaseDetail

Value B25.0C
Description B25.0C
Enumerated domain value definition source Code:dPubBaseDetail

Value CTABC

Description CTBC Cement Treated Aggregate Base Course
Enumerated domain value definition source Code:dPubBaseDetail

Value ABC
Description Aggregate Base Course, Stone
Enumerated domain value definition source Code:dPubBaseDetail

Value SS
Description Stabilized Subgrade
Enumerated domain value definition source Code:dPubBaseDetail

Value B25.0B
Description B25.0B
Enumerated domain value definition source Code:dPubBaseDetail

Value I19.0C
Description I19.0C
Enumerated domain value definition source Code:dPubBaseDetail

Field BarePvmtRoute

Alias BarePvmtRoute
Data type String
Width 5
Precision 0
Scale 0

Field description

Bare Pavement Routes generally consist of all Interstate and four-lane divided Primary routes and other primary and secondary routes considered to be essential to the fulfillment of the overall objectives of snow and ice removal - the movement of intrastate traffic. These routes are the first to be cleared and/or chemically treated in the event of winter weather conditions.

Description source
NCDOT GIS

List of values

Value Y
Description Yes

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 LaneMiles

Alias LaneMiles

Data type Double

Width 8

Precision 0

Scale 0

Field description

The Milepost Length multiplied by the number of lanes. In cases where the number of lanes is 0 or blank, the number of lanes is assumed to be 1.

Description source

NCDOT GIS

Field RtTrnLnWidth

Alias RtTrnLnWidth

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

The total width for right turning lanes.

Description source

NCDOT GIS

Range of values

Minimum value 6

Maximum value 120

Units of measure Feet

Field ImprvType

Alias ImprvType

Data type String

Width 4

Precision 0

Scale 0

Field description

The type of the last improvement to the road

Description source

List of values

Value RS

Description Resurfacing - Placement of additional material (concrete, asphalt, etc.) over the existing roadway to improve serviceability or to provide additional strength. There may be upgrading of unsafe features and other incidental work. If resurfacing is done as a final stage of construction the preceding stage (relocation, reconstruction, minor widening, etc.) is used as the improvement type.

Enumerated domain value definition source Code:dPubImprovementType

Value IP

Description Initial Paving - This is used the first time an unpaved road is paved.

Enumerated domain value definition source Code:dPubImprovementType

Value NL

Description Relocation - Construction of a facility on new location that replaces an existing route. The new facility carries all the through traffic, while the previous facility is closed or retained as a land-service road only.

Enumerated domain value definition source Code:dPubImprovementType

Value MI

Description Minor Widening - The addition of more width per through lane, shoulder improvements, and/or turn lanes (regardless of length or width) to an existing facility without adding through lanes. The existing pavement is salvaged. Also included, where necessary, is the resurfacing of the existing pavement and other incidental improvements such as shoulder and drainage improvements.

Enumerated domain value definition source Code:dPubImprovementType

Value MA

Description Major Widening - The addition of through lanes or dualization of an existing facility where the existing pavement is salvaged. Also included, where necessary, is the resurfacing of the existing pavement and other incidental improvements such as shoulder and drainage improvements.

Enumerated domain value definition source Code:dPubImprovementType

Value BR

Description Bridge Replacement - The total replacement of a structurally inadequate or functionally obsolete bridge with a new structure constructed in the same general traffic corridor to current geometric construction standards. A bridge removed and replaced with a lesser facility is considered a bridge replacement. Incidental roadway approach work is included.

Enumerated domain value definition source Code:dPubImprovementType

Value OT

Description Other - Other types of improvements.

Enumerated domain value definition source Code:dPubImprovementType

Value SI

Description Surface Improvement - Surface improvements such as crack sealing, diamond grinding, subsealing, joint repair, slurry seal, asphalt surface treatment, etc.

Enumerated domain value definition source Code:dPubImprovementType

Value NR

Description New Construction - Construction of a new route on an original location that does not replace an existing route, but which was designed and built as an independent facility.

Enumerated domain value definition source Code:dPublImprovementType

Value RE

Description Reconstruction- Reconstruction on substantially the same alignment. It may include the addition of through lanes, dualization, addition of interchanges or grade separations, or widening of through lanes. Reconstruction may also include the correction of alignment and/or shoulder and drainage deficiencies.

Enumerated domain value definition source Code:dPublImprovementType

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 RestrictedAccess

Alias RestrictedAccess

Data type String

Width 1

Precision 0

Scale 0

Field description

Designation for whether road segment is maintained by a public entity but is inaccessible to the public (for example, roads on military bases) .

Description 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 RouteID2

Alias RouteID2

Data type String

Width 15

Precision 0

Scale 0

Field description

RouteID for co-route number 2.

Description source

NCDOT GIS

Field TownCode

Alias TownCode

Data type String

Width 6

Precision 0

Scale 0

Field description

A code identifying the municipality where the segment is located.

Description source

NCDOT GIS

Field AddDate

Alias AddDate

Data type Date

Width 8

Precision 0

Scale 0

Field description

The date that the section of road was added to the state maintenance system or was constructed.

Description source

NCDOT GIS

Field LaneWidth

Alias LaneWidth
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

Width of one travel lane on the section.

Description source

NCDOT GIS

Range of values

Minimum value 6
Maximum value 20
Units of measure Feet

Field TrkRouteDate

Alias TrkRouteDate
Data type Date
Width 8
Precision 0
Scale 0

Field description

Date added Internal and federally-designated truck routes. For Designated Truck Route (Federally approved) routes only, 1983-01-06 signed bill date, 1/1/1911 Route dominance conflict and Null dates for routes not reviewed. All others are not valid for Designated Truck Route (Federally approved) routes.

Description source

NCDOT GIS

Field MedianWidth

Alias MedianWidth
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

Indicates the total median width from between the inside edges of surface pavement. For roads that are represented as divided in the LRS, half of the median width is stored on each side of the road.

Description source

NCDOT GIS

Range of values

Minimum value 1
Maximum value 999
Units of measure Feet

Field GeoDocType

Alias GeoDocType
Data type String
Width 15
Precision 0
Scale 0

Field description

The most recent data source type used to draw or modify the segment's alignment/geometry.

Description source

NCDOT GIS

List of values

Value A
Description Aerial Photo
Enumerated domain value definition source Valid Revision Document Codes

Value F
Description Field Research
Enumerated domain value definition source Valid Revision Document Codes

Value N
Description Not-Verified: Indicates the segment alignment has not been verified by the GIS Unit;
Enumerated domain value definition source Valid Revision Document Codes

Value P
Description Parcels
Enumerated domain value definition source Valid Revision Document Codes

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 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

Field ThruLaneCount

Alias ThruLaneCount

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

The number of through lanes

Description source

NCDOT GIS

Range of values

Minimum value 1

Maximum value 12

Units of measure Lanes

Field AadtDate

Alias AadtDate

Data type String

Width 5

Precision 0

Scale 0

Field description

Estimated Annual Average Daily Traffic for specified year

Description source

NCDOT

Field HOVLnCount

Alias HOVLnCount

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

The number of HOV (high-occupancy vehicle) lanes.

Description source

NCDOT GIS

Range of values

Minimum value 1
Maximum value 12
Units of measure Lane

Field TrkRoute

Alias TrkRoute
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

Routes designated for use by dimensioned commercial vehicles under the Surface Transportation Assistance Act (STAA) of 1982. No data indicates that trucks are allowed on the route without restrictions. Data are current at time of publication, for more up to date data, please see the official truck information available at: <https://connect.ncdot.gov/business/trucking/Pages/Truck-Network-and-Restrictions.aspx>

Description source

NCDOT GIS

List of values

Value 4
Description Not a Parkway- Trucks/Commercial Vehicles Prohibited
Enumerated domain value definition source Code:dPubTruckRouteType

Value 3
Description Not a Parkway- Trucks/Commercial Vehicles Prohibited during specific periods; not a designated Truck Route
Enumerated domain value definition source Code:dPubTruckRouteType

Value 5
Description Designated Truck Route (Federally approved)
Enumerated domain value definition source Code:dPubTruckRouteType

Value 2
Description Parkway- Trucks/Commercial Vehicles Prohibited
Enumerated domain value definition source Code:dPubTruckRouteType

Field LftPvdShldrWidth

Alias LftPvdShldrWidth
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

The paved shoulder surface width for left shoulders.

Description source

NCDOT GIS

Range of values

Minimum value 1

Maximum value 16

Units of measure Feet

Field AADTTruck

Alias AadtTruck

Data type Integer

Width 4

Precision 0

Scale 0

Field description

Annual Average Daily Truck Traffic

Description source

NCDOT

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 SrfcType

Alias SrfcType

Data type String

Width 10

Precision 0

Scale 0

Field description

The generalized type of pavement surface on the road.

Description source

List of values

Value BPCC_PCC

Description Bonded PCC Overlay on PCC

Enumerated domain value definition source Code:SRFC_TYP_TYP_NM

Value Unpaved

Description Unpaved - Unpaved (includes Aggregate Base Course)

Enumerated domain value definition source Code:SRFC_TYP_TYP_NM

Value UJC_PCC

Description Unbonded JC Overlay on PCC: Unbonded jointed concrete overlay on PCC pavement

Enumerated domain value definition source Code:SRFC_TYP_TYP_NM

Value CRCP

Description CRCP - Continuously reinforced concrete pavement

Enumerated domain value definition source Code:SRFC_TYP_TYP_NM

Value AC_JCP

Description AC overlay on JCP-AC overlay over existing jointed concrete pavement

Enumerated domain value definition source Code:SRFC_TYP_TYP_NM

Value AC_CRCP

Description AC overlay on CRCP- Bituminous overlay over existing CRCP

Enumerated domain value definition source Code:SRFC_TYP_TYP_NM

Value JPCP

Description JPCP- Jointed Plain Concrete Pavement

Enumerated domain value definition source Code:SRFC_TYP_TYP_NM

Value AC_AC

Description AC overlay on AC - Asphalt-concrete (AC) overlay over existing AC pavement

Enumerated domain value definition source Code:SRFC_TYP_TYP_NM

Value Other

Description Other (includes bridge decks, whitetopping, brick)

Enumerated domain value definition source Code:SRFC_TYP_TYP_NM

Value Bitum

Description Bituminous

Enumerated domain value definition source Code:SRFC_TYP_TYP_NM

Field RouteID6

Alias RouteID6

Data type String

Width 15

Precision 0

Scale 0

Field description

RouteID for co-route number 6.

Description source

NCDOT GIS

Field SrfcDetail

Alias SrfcDetail

Data type String

Width 10

Precision 0

Scale 0

Field description

Detailed surface type values. The data is collected from petitions and municipal agreements for the Pavement Management Unit.

Description source

NCDOT GIS

List of values

Value S12.5C

Description S12.5C

Enumerated domain value definition source Code:dPubSurfaceDetail

Value SF9.5A

Description SF9.5A

Enumerated domain value definition source Code:dPubSurfaceDetail

Value HDS

Description Heavy Duty Surface

Enumerated domain value definition source Code:dPubSurfaceDetail

Value S4.75A

Description S4.75A

Enumerated domain value definition source Code:dPubSurfaceDetail

Value Gravel

Description Gravel

Enumerated domain value definition source Code:dPubSurfaceDetail

Value S9.5C

Description S9.5C

Enumerated domain value definition source Code:dPubSurfaceDetail

Value JCP

Description Jointed Concrete Pavement
Enumerated domain value definition source Code:dPubSurfaceDetail

Value Asphalt

Description Asphalt, Hot Mix Asphalt, Plant Mix Asphalt
Enumerated domain value definition source Code:dPubSurfaceDetail

Value S9.5B

Description S9.5B
Enumerated domain value definition source Code:dPubSurfaceDetail

Value AST

Description AST
Enumerated domain value definition source Code:dPubSurfaceDetail

Value I-1

Description I-1
Enumerated domain value definition source Code:dPubSurfaceDetail

Value CRCP

Description Continuously reinforced concrete pavement
Enumerated domain value definition source Code:dPubSurfaceDetail

Value S9.5A

Description S9.5A
Enumerated domain value definition source Code:dPubSurfaceDetail

Value BST

Description BST
Enumerated domain value definition source Code:dPubSurfaceDetail

Value I-2

Description I-2
Enumerated domain value definition source Code:dPubSurfaceDetail

Value S12.5D

Description S12.5D
Enumerated domain value definition source Code:dPubSurfaceDetail

Value S12.5B

Description S12.5B
Enumerated domain value definition source Code:dPubSurfaceDetail

Field LftTrnLnType

Alias LftTrnLnType

Data type String

Width 10

Precision 0

Scale 0

Field description

Describes the peak period left turning lane situation. No data indicates that the section of road has no left turn lanes.

Description source

NCDOT GIS

List of values

Value Single

Description Single Turn Lane

Enumerated domain value definition source Code:dPubTurnLaneType

Value Continuous

Description Continuous Turn Lane

Enumerated domain value definition source Code:dPubTurnLaneType

Value Multiple

Description Multiple Turn Lanes

Enumerated domain value definition source Code:dPubTurnLaneType

Value No Peak

Description No Turns During Peak Time

Enumerated domain value definition source Code:dPubTurnLaneType

Field ROW

Alias ROW

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

The width of land acquired by NCDOT for roadway construction of improvement (in feet).

Description source

NCDOT GIS

Range of values

Minimum value 0

Maximum value 999

Units of measure Feet

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 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 6

Description Non-Inventory (Westbound)for primary routes and non-inventory for non-primary routes.

Enumerated domain value definition source Valid Route Direction Codes

Value 1

Description Non-Inventory for non-primary routes.

Enumerated domain value definition source Valid Route Direction Codes

Value 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 OwnerType

Alias OwnerType

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

Identifies the owner of all roads open to public travel. No data indicates that the ownership is specified by route class.

Description source

List of values

Value 31

Description State Toll Road

Enumerated domain value definition source Code:dPubOwnership

Value 4

Description City or Municipal Highway Agency

Enumerated domain value definition source Code:dPubOwnership

Value 73

Description Navy/Marines

Enumerated domain value definition source Code:dPubOwnership

Value 60

Description Other Federal Agency

Enumerated domain value definition source Code:dPubOwnership

Value 63

Description Bureau of Fish and Wildlife

Enumerated domain value definition source Code:dPubOwnership

Value 64

Description U.S. Forest Service

Enumerated domain value definition source Code:dPubOwnership

Value 68

Description Bureau of Land Management

Enumerated domain value definition source Code:dPubOwnership

Value 11

Description State Park, Forest, or Reservation Agency

Enumerated domain value definition source Code:dPubOwnership

Value 74

Description Army

Enumerated domain value definition source Code:dPubOwnership

Value 21

Description Other State Agency

Enumerated domain value definition source Code:dPubOwnership

Value 62

Description Bureau of Indian Affairs

Enumerated domain value definition source Code:dPubOwnership

Value 70

Description Corps of Engineers
Enumerated domain value definition source Code:dPubOwnership

Value 2
Description County Highway Agency
Enumerated domain value definition source Code:dPubOwnership

Value 27
Description Railroad
Enumerated domain value definition source Code:dPubOwnership

Value 80
Description Other
Enumerated domain value definition source Code:dPubOwnership

Value 26
Description Private (other than Railroad)
Enumerated domain value definition source Code:dPubOwnership

Value 32
Description Local Toll Authority
Enumerated domain value definition source Code:dPubOwnership

Value 72
Description Air Force
Enumerated domain value definition source Code:dPubOwnership

Value 40
Description Other Public Instrumentality (e.g., Airport)
Enumerated domain value definition source Code:dPubOwnership

Value 25
Description Other Local Agency
Enumerated domain value definition source Code:dPubOwnership

Value 3
Description Town or Township Highway Agency
Enumerated domain value definition source Code:dPubOwnership

Value 69
Description Bureau of Reclamation
Enumerated domain value definition source Code:dPubOwnership

Value 67
Description Tennessee Valley Authority
Enumerated domain value definition source Code:dPubOwnership

Value 66
Description National Park Service

Enumerated domain value definition source Code:dPubOwnership

Value 50

Description Indian Tribe Nation

Enumerated domain value definition source Code:dPubOwnership

Value 12

Description Local Park, Forest, or Reservation Agency

Enumerated domain value definition source Code:dPubOwnership

Field PostedRoute

Alias PostedRoute

Data type String

Width 20

Precision 0

Scale 0

Field description

Posted routes are secondary system routes where truck traffic with axle weights exceeding 13000 lbs. is prohibited by ordinance

Description source

NCDOT GIS

List of values

Value Number

Description Ordinance number

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 ImprvDocID

Alias ImprvDocID

Data type String

Width 30

Precision 0

Scale 0

Field description

The source document number that authorized the last improvement to the road.

Description source

NCDOT GIS

Field BaseThickness

Alias BaseThickness

Data type Double

Width 8

Precision 0

Scale 0

Field description

The thickness of the base material of the road. Is collected from petitions and municipal agreements for the Pavement Management Unit.

Description source

NCDOT GIS

Range of values

Minimum value 1

Maximum value 14

Units of measure Inches

Field FuncClassDate

Alias FuncClassDate

Data type Date

Width 8

Precision 0

Scale 0

Field description

Functional Classification Date. The date which the road became part of the Federal Highway Administration.

Description source

NCDOT GIS

Field STRAHNETDate

Alias STRAHNETDate

Data type Date

Width 8

Precision 0

Scale 0

Field description

Description source

NCDOT GIS

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 RouteID4

Alias RouteID4

Data type String

Width 15

Precision 0

Scale 0

Field description

RouteID for co-route number 4.

Description source

NCDOT GIS

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 2026-07-20

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 2026-07-10 07:02:18
Last modified in ArcGIS for the item 2026-07-20 16:30:46

Automatic updates

Have been performed Yes
Last update 2026-07-20 16:30:46

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

Phone

Voice 919.707.2165
Fax 919.707.2210

Address

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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.

Metadata contact - resource provider

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Contact's position GIS Help Desk

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Metadata contact - originator

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Contact's position GIS Help Desk

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Hours of service

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Contact instructions

Phone or e-mail.

Metadata Maintenance

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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Metadata Constraints

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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