

Public Road Characteristics, 1st 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 December 2025 for changes by NCDOT Petitions and Municipal Agreements process. For more detailed information about system and non-system road data please refer to the documentation using the link in the Distribution section. Other information concerning known route issues is found in Supplemental Information/ Resource Details section.

Description

An arc layer for visual representation of statewide road centerlines on publicly-accessible roads segmented by 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 2026-05-04 00:00:00

Theme keywords Transportation

Thesaurus

Title ISO 19115 Topic Category

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

Place keywords Division, North Carolina, County

Thesaurus

Title User

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

Other keywords Downloadable Data

Citation

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

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

Presentation formats digital map

Citation Contacts

Responsible party - originator

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

Contact's position GIS Help Desk

Contact information

Phone

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Address

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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

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

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Resource Details

Dataset languages English (UNITED STATES)

Dataset character set utf8 - 8 bit UCS Transfer Format

Status on-going

Spatial representation type vector

Supplemental information

This file should not be used for routing.

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

Credits

Spatial Data Management Group - Product creation; Data Conversion Group – System geometry, mileage, events; Local County Government – Non-system geometry, Street Name event; Transportation Asset Analytics - Events; Transportation Planning Branch – Functional Class, National Highway System; Traffic Safety Unit - Speed Limit.

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

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Point of contact - originator

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Contact's position GIS Help Desk

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Phone or e-mail.

Point of contact - resource provider

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Hours of service

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Contact instructions

Phone or e-mail.

Resource Maintenance

Resource maintenance

Update frequency quarterly

Maintenance contact - point of contact

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

Contact's position GIS Help Desk

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Contact instructions

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Resource Constraints

Legal constraints

Limitations of use

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includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. This data cannot be construed to be a legal document. Primary sources from which this data was compiled must be consulted for verification of information contained in this data.

Security constraints

Classification unclassified

Classification system None

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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["79.0],PARAMETER["Standard_Parallel_1",34.33333333333334],PARAMETER["Standard_Parallel_2",36.16666666666666

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 1205782

ArcGIS Feature Class Properties

Feature class name NCRouteCharacteristics
Feature type Simple
Geometry type Polyline
Has topology FALSE
Feature count 1205782
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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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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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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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
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Contact's position GIS Help Desk

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e-mail address gishelp@ncdot.gov
Hours of service
8am to 5pm, M-F

Contact instructions
Phone or e-mail.

Distribution format

Version 10.8.1
Name File Geodatabase Feature Class

Fields

Details for object NCRouteCharacteristics

Type Feature Class
Row count 1205782

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 AadtMulti

Alias AadtMulti
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

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:dPubTollID

Value 194

Description Western Wake Expressway

Enumerated domain value definition source Code:dPubTollID

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 AadtSingle

Alias AadtSingle

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

NCDOT

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

NCDOT GIS

Field FcItyType

Alias FcItyType

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 Value 066	Valid County and State Codes
Description Northampton	
Enumerated domain value definition source Value 048	Valid County and State Codes
Description Hyde	
Enumerated domain value definition source Value 036	Valid County and State Codes
Description Gaston	
Enumerated domain value definition source Value 071	Valid County and State Codes
Description Pender	
Enumerated domain value definition source Value 075	Valid County and State Codes
Description Polk	
Enumerated domain value definition source Value 062	Valid County and State Codes
Description Montgomery	
Enumerated domain value definition source Value 090	Valid County and State Codes
Description Union	
Enumerated domain value definition source Value 037	Valid County and State Codes
Description Gates	
Enumerated domain value definition source Value 100	Valid County and State Codes
Description Yancey	
Enumerated domain value definition source Value 045	Valid County and State Codes
Description Henderson	
Enumerated domain value definition source Value 051	Valid County and State Codes
Description Johnston	
Enumerated domain value definition source Value 065	Valid County and State Codes
Description New Hanover	
Enumerated domain value definition source Value 079	Valid County and State Codes
Description Rockingham	
Enumerated domain value definition source Value 054	Valid County and State Codes
Description Lenoir	
Enumerated domain value definition source Value 032	Valid County and State Codes
Description Durham	
Enumerated domain value definition source Value 026	Valid County and State Codes

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 Value 038	Valid County and State Codes
Description Graham	
Enumerated domain value definition source Value 008	Valid County and State Codes
Description Bertie	
Enumerated domain value definition source Value 098	Valid County and State Codes
Description Wilson	
Enumerated domain value definition source Value 022	Valid County and State Codes
Description Clay	
Enumerated domain value definition source Value 074	Valid County and State Codes
Description Pitt	
Enumerated domain value definition source Value 056	Valid County and State Codes
Description Macon	
Enumerated domain value definition source Value 034	Valid County and State Codes
Description Forsyth	
Enumerated domain value definition source Value 901	Valid County and State Codes
Description Georgia	
Enumerated domain value definition source Value 012	Valid County and State Codes
Description Burke	
Enumerated domain value definition source Value 084	Valid County and State Codes
Description Stanly	
Enumerated domain value definition source Value 072	Valid County and State Codes
Description Perquimans	
Enumerated domain value definition source Value 043	Valid County and State Codes
Description Harnett	
Enumerated domain value definition source Value 015	Valid County and State Codes
Description Camden	
Enumerated domain value definition source Value 081	Valid County and State Codes
Description Rutherford	
Enumerated domain value definition source Value 058	Valid County and State Codes
Description Martin	
Enumerated domain value definition source Value 031	Valid County and State Codes

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 Value 023	Valid County and State Codes
Description Cleveland	
Enumerated domain value definition source Value 040	Valid County and State Codes
Description Greene	
Enumerated domain value definition source Value 052	Valid County and State Codes
Description Jones	
Enumerated domain value definition source Value 017	Valid County and State Codes
Description Caswell	
Enumerated domain value definition source Value 021	Valid County and State Codes
Description Chowan	
Enumerated domain value definition source Value 028	Valid County and State Codes
Description Dare	
Enumerated domain value definition source Value 030	Valid County and State Codes
Description Davie	
Enumerated domain value definition source Value 077	Valid County and State Codes
Description Richmond	
Enumerated domain value definition source Value 033	Valid County and State Codes
Description Edgecombe	
Enumerated domain value definition source Value 010	Valid County and State Codes
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

NCDOT GIS

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 Replacment - 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:dPubImprovementType

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:dPubImprovementType

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 AADTruck

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

NCDOT GIS

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

NCDOT GIS

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

Field STRAHNETDate

Alias STRAHNETDate

Data type Date

Width 8

Precision 0

Scale 0

Field description

Strategic Highway Network Date

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 2026-04-15

ArcGIS metadata properties

Metadata format ArcGIS 1.0

Metadata style ISO 19139 Metadata Implementation Specification

Standard or profile used to edit metadata ISO19139

Created in ArcGIS for the item 2026-04-09 15:37:43

Last modified in ArcGIS for the item 2026-04-15 93:80:80

Automatic updates

Have been performed Yes

Last update 2026-04-15 09:34:22

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

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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.

Metadata contact - resource provider

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

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Metadata contact - originator

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

Contact's position GIS Help Desk

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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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Security constraints

Classification unclassified

Classification system None

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Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file