

Road Characteristics - Bare Pavement, 4th Quarter 2025 - NC

Department of Transportation

Geodatabase Feature Class



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

Summary

This feature class contains lines representing North Carolina state-maintained highways designated as Bare Pavement Routes. These priority routes are the first to be cleared and/or chemically treated in the event of winter weather conditions. The data is represented as lines derived from the NCDOT Linear Reference System (LRS) network of routes via the NCRouteCharacteristics data set updated quarterly in support of Highway Performance Monitoring System (HPMS) reporting.

Description

This data set provides state maintained highways in North Carolina designated as priority routes in terms of clearance and/or chemical treatment in the event of winter weather conditions. These routes in the Bare Pavement System 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 facilitating the movement of intrastate traffic. The routes included in the Bare Pavement System are reviewed annually by the NCDOT Division engineer and routes are added or deleted as necessary. Upon completion of review, the engineer submits the data set to the State Road Maintenance Unit where continuity of bare pavement routes from Division to Division is ensured.

The Bare Pavement Policy provides for the direct application of deicing chemicals to those routes included in the Bare Pavement System. This policy also requires that these routes will be the first cleared of snow and ice following a storm. Insofar as is possible and practical, traffic will be kept moving on these routes during a storm; however, it is not the policy to maintain a "bare pavement" throughout the course of all storms. Those routes not on the Bare Pavement System will be cleared by plowing operations and without direct application of deicing chemicals except in cases of extreme emergency. These emergencies will normally be limited to specific locations (shaded areas on hills, super-elevated curves, etc.) where extremely hazardous conditions exist.

It is the policy of the Division of Highways that the application of chlorides to the travel ways of the system shall be consistent with NCDOT's objectives to protect the environment. The recommended application rates are considered to be correct and proper for the various weather and highway conditions indicated and heavier applications are discouraged. The Highway Maintenance Engineer should identify environmentally sensitive areas within their individual areas of responsibility that may require alternative application rates and devise special instructions for snow and ice removal techniques for roads adjacent to these locations.

Credits

The North Carolina Department of Transportation, Division of Highways.

Support and maintenance of the enterprise spatial database where this data resides is handled by the North Carolina Department of Information Technology-Transportation, GIS Unit.

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.

This data is produced as a derivative of a reporting product out of the NCDOT Linear Referencing System, and is intended for visualization and reference use only. This is representative data only and is not designed for participation in data analysis or modelling. Use of this data is not analogous to integration with or alignment to NCDOT's Linear Referencing System.

Extent

West -84.414684
East -75.424034
North 36.603183
South 33.763411

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:625,000

Topics and Keywords

Themes or categories of the resource Transportation, Location, Society

Content type Downloadable Data

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

Thesaurus

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

Place keywords North Carolina, Division, County

Thesaurus

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

Citation

Title Road Characteristics - Bare Pavement, 4th Quarter 2025 - NC Department of Transportation
Alternate titles Bare Pavement Routes
Publication date 2026-02-23 00:00:00

Presentation formats digital map

FGDC geospatial presentation format vector digital data

Citation Contacts

Responsible party - originator

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

9:00am - 5:00pm Monday - Friday

Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, indicate as such in the subject line in an email.

Responsible party - resource provider

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

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Responsible party - point of contact

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

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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

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

Credits

The North Carolina Department of Transportation, Division of Highways.

Support and maintenance of the enterprise spatial database where this data resides is handled by the North Carolina Department of Information Technology-Transportation, GIS Unit.

ArcGIS item properties

Name RoadBarePvmnt

Extents

Extent

Geographic extent

Bounding rectangle

West longitude -84.11613
East longitude -75.593013
South latitude 33.792692
North latitude 36.578571
Extent contains the resource Yes

Vertical extent

Minimum value -4.800000
Maximum value 5514.600000

Extent

Geographic extent

Bounding rectangle

West longitude -84.414684
East longitude -75.423594
South latitude 33.763411
North latitude 36.603183
Extent contains the resource Yes

Vertical extent

Minimum value -4.800000
Maximum value 5514.600000

Extent

Geographic extent

Bounding rectangle

Extent type

Extent used for searching

West longitude -84.414684
East longitude -75.424034
North latitude 36.603183
South latitude 33.763411
Extent contains the resource Yes

Extent in the item's coordinate system

westBL 408738.910048
eastBL 3050312.749744
southBL 46863.376048
northBL 1038500.819680
exTypeCode Yes

Resource Points of Contact

Point of contact - point of contact

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

9:00am - 5:00pm Monday - Friday

Contact instructions

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Resource Maintenance

Resource maintenance

Update frequency quarterly

Scope of the updates dataset

Other maintenance requirements

The North Carolina Department of Transportation, Division of Highways.

Support and maintenance of the enterprise spatial database where this data resides is handled by the North Carolina Department of Information Technology-Transportation, GIS Unit.

Maintenance contact - point of contact

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

9:00am - 5:00pm Monday - Friday

Contact instructions

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Resource Constraints

Legal constraints

Limitations of use

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Security constraints

Classification unclassified

Classification system None

Limitations of use

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Spatial Reference

ArcGIS coordinate system

Type Projected

Geographic coordinate reference GCS_North_American_1983

Projection NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet

Coordinate reference details

ProjectedCoordinateSystem

WKID 102719

XOrigin -121841900

YOrigin -93659000

XYScale 1893.9393939393938

ZOrigin -100000

ZScale 9.9999999999999982

MOrigin -100000

MScale 10000000

XYTolerance 0.00528

ZTolerance 0.20000000000000004

MTolerance 9.999999999999995e-07

HighPrecision true

LatestWKID 2264

VCSWKID 105703

LatestVCSWKID 6360

WKT

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

Reference system identifier

Value 2264

Codespace EPSG

Version 6.12(9.0.0)

Spatial Data Properties

Vector

Level of topology for this dataset geometry only

Geometric objects

Feature class name RoadBarePvmnt

Object type composite

Object count 3889

ArcGIS Feature Class Properties

Feature class name RoadBarePvmnt

Feature type Simple

Geometry type Polyline

Has topology FALSE

Feature count 3889

Spatial index TRUE

Linear referencing TRUE

Data Quality

Scope of quality information

Resource level dataset

Data quality report - Completeness commission

Data quality measure reference

Measure description

Contributing editors are responsible for the quality control and assessment of data at the time of data entry. Additional resources may be utilized by the data owner/editor groups to assess quality of data on a more comprehensive scale. The primary tool in use for quality assessment in the NCDOT LRS Editing System is Esri's Data Reviewer extension. The quality of this data is subject to the oversight of the editing party.

Conformance test results

Test passed Yes

Result explanation

Pass.

Product specification

Title NCDOT Geospatial Data Specifications

Data quality report - Conceptual consistency

Data quality measure reference

Measure description

Contributing editors are responsible for the quality control and assessment of data at the time of data entry. Additional resources may be utilized by the data owner/editor groups to assess quality of data on a more comprehensive scale. The primary tool in use for quality assessment in the NCDOT LRS Editing System is Esri's Data Reviewer extension. The quality of this data is subject to the oversight of the editing party.

Conformance test results

Test passed Yes

Result explanation

Pass.

Product specification

Title NCDOT Geospatial Data Specifications

Data quality report - Quantitative attribute accuracy

Data quality measure reference

Measure description

Contributing editors are responsible for the quality control and assessment of data at the time of data entry. Additional resources may be utilized by the data owner/editor groups to assess quality of data on a more comprehensive scale. The primary tool in use for quality assessment in the NCDOT LRS Editing System is Esri's Data Reviewer extension. The quality of this data is subject to the oversight of the editing party.

Conformance test results

Test passed Yes

Result explanation

Pass.

Product specification

Title NCDOT Geospatial Data Specifications

Lineage

Lineage statement

This data set is derived from the NCRouteCharacteristics data and contains Bare Pavement Routes. This dataset was originally developed by the North Carolina Department of Transportation, Operations Program Management, in conjunction with the GIS Unit at NCDIT-T, to provide a geographic representation of the Bare Pavement Routes in North Carolina. The GIS Unit modifies the LRS Network routes by creating, editing, or retiring based on official change notification from various NCDOT sources. Once the routes have been edited, business units may update their data as found on the routes based on the same or additional documentation. Web mapping services are created from some of the events. The LRS supports systems, web applications, and geospatial data needs across NCDOT business units, as well as submittal to the Federal Highway Administration's Highway Performance Monitoring System (HPMS).

Process step

Description

Development and maintenance of NCDOT's Linear Referencing System. This includes the road centerline, route network, some events, and other related spatial data.

Process contact - originator

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610
Country US
e-mail address gishelp@ncdot.gov

Hours of service
9:00am - 5:00pm Monday - Friday

Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, indicate as such in the subject line in an email.

Process step

Description

Routes are created, edited, and/or retired based on official change notification from various NCDOT sources. Road attribute-only information is also provided to the GIS Unit. Once the routes have been edited, business units may update their data as found on the routes based on the same or additional documentation.

Process contact - resource provider

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit
Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical
Delivery point Century Center Building B, 1020 Birch Ridge Drive
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Postal code 27610
Country US
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Contact instructions

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Process step

Description

Road attributes (event data) are referenced to the LRS network (routes). The event is edited by the NCDOT Division of Planning & Programming in an enterprise environment using Esri's online ArcGIS Event Editor software.

Process contact - processor

Organization's name North Carolina Department of Transportation, Division of Planning and Programming
Contact's position Staff Engineer

Contact information

Phone

Voice 919-707-4630

Address

Type physical

Delivery point 1 South Wilmington Street, Room 105

City Raleigh

Administrative area NC

Postal code 27601

Country US

e-mail address rlotfi@ncdot.gov

Hours of service

9:00am - 5:00pm Monday – Friday

Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email.

Process step

Description

The NCRouteCharacteristics data is produced, where this data is derived.

Process contact - originator

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

9:00am - 5:00pm Monday - Friday

Contact instructions

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Distribution

Distributor

Contact information - distributor

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

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Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, indicate as such in the subject line in an email.

Distribution format

Version 10.8.1

Name File Geodatabase Feature Class

Fields

Details for object RoadBarePvmnt

Type Feature Class

Row count 3889

Definition

Bare Pavement System containing NC routes considered priority to be cleared and/or chemically treated in the event of winter weather conditions.

Definition source

North Carolina Department of Transportation

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 RouteQualifier

Alias RouteQualifier

Data type String

Width 5

Precision 0

Scale 0

Field description

An additional code that further defines the Dominant Route and is the 2nd digit in the 11 digit route number.

Description source

Federal Highway Administration/NCDOT GIS

List of values

Value 2

Description Bypass Route

Enumerated domain value definition source Valid Route Qualifier 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 Qualifier 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 Qualifier Codes

Value 7

Description Spur/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 Qualifier Codes

Value 8

Description Truck Route

Enumerated domain value definition source Valid Route Qualifier Codes

Value 82

Description Non-System Ramp
Enumerated domain value definition source Valid Route Qualifier Codes

Value 80

Description Ramp
Enumerated domain value definition source Valid Route Qualifier Codes

Value 9

Description Business Route
Enumerated domain value definition source Valid Route Qualifier Codes

Value 1

Description Alternate Route. If the route class is FED, 1 (Alternative) is military-owned.
Enumerated domain value definition source Valid Route Qualifier Codes

Value 89

Description Non-Mainline
Enumerated domain value definition source Valid Route Qualifier 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 Qualifier Codes

Value 81

Description Rest Areas
Enumerated domain value definition source Valid Route Qualifier Codes

Field RouteClass

Alias RouteClass

Data type String

Width 5

Precision 0

Scale 0

Field description

Route class code - dominant route classification

Description source

Federal Highway Administration/NCDOT GIS

List of values

Value 4

Description Secondary Route
Enumerated domain value definition source Valid Route Class Codes

Value 9

Description	Projected Route
Enumerated domain value definition source	Valid Route Class Codes
Value	3
Description	NC Route
Enumerated domain value definition source	Valid Route Class Codes
Value	7
Description	Federal Route
Enumerated domain value definition source	Valid Route Class Codes
Value	81
Description	Rest Area
Enumerated domain value definition source	Valid Route Class Codes
Value	6
Description	Other State Agency Route
Enumerated domain value definition source	Valid Route Class Codes
Value	89
Description	Non-Mainline
Enumerated domain value definition source	Valid Route Class Codes
Value	82
Description	Non-System Ramp
Enumerated domain value definition source	Valid Route Class Codes
Value	2
Description	US Route
Enumerated domain value definition source	Valid Route Class Codes
Value	80
Description	Ramp
Enumerated domain value definition source	Valid Route Class Codes
Value	5
Description	Non-System
Enumerated domain value definition source	Valid Route Class Codes
Value	1
Description	Interstate
Enumerated domain value definition source	Valid Route Class Codes

Field MaintCntyCode

Alias MaintCntyCode
Data type String

Width 3
Precision 0
Scale 0

Field description

Maintenance county code - county responsible for maintenance and is the last 3 digits of the 11 digit route number.

Description source

NCDOT GIS

List of values

Value 008

Description Bertie

Enumerated domain value definition source Valid Sap County Code

Value 067

Description Onslow

Enumerated domain value definition source Valid Sap County Code

Value 017

Description Caswell

Enumerated domain value definition source Valid Sap County Code

Value 069

Description Pamlico

Enumerated domain value definition source Valid Sap County Code

Value 039

Description Granville

Enumerated domain value definition source Valid Sap County Code

Value 060

Description Mecklenburg

Enumerated domain value definition source Valid Sap County Code

Value 093

Description Warren

Enumerated domain value definition source Valid Sap County Code

Value 051

Description Johnston

Enumerated domain value definition source Valid Sap County Code

Value 086

Description Surry

Enumerated domain value definition source Valid Sap County Code

Value 098

Description Wilson

Enumerated domain value definition source Valid Sap County Code

Value 084

Description Stanly

Enumerated domain value definition source Valid Sap County Code

Value 029

Description Davidson

Enumerated domain value definition source Valid Sap County Code

Value 048

Description Hyde

Enumerated domain value definition source Valid Sap County Code

Value 032

Description Durham

Enumerated domain value definition source Valid Sap County Code

Value 006

Description Avery

Enumerated domain value definition source Valid Sap County Code

Value 004

Description Anson

Enumerated domain value definition source Valid Sap County Code

Value 090

Description Union

Enumerated domain value definition source Valid Sap County Code

Value 061

Description Mitchell

Enumerated domain value definition source Valid Sap County Code

Value 009

Description Bladen

Enumerated domain value definition source Valid Sap County Code

Value 066

Description Northampton

Enumerated domain value definition source Valid Sap County Code

Value 003
Description Alleghany
Enumerated domain value definition source Valid Sap County Code

Value 092
Description Wake
Enumerated domain value definition source Valid Sap County Code

Value 047
Description Hoke
Enumerated domain value definition source Valid Sap County Code

Value 031
Description Duplin
Enumerated domain value definition source Valid Sap County Code

Value 081
Description Rutherford
Enumerated domain value definition source Valid Sap County Code

Value 023
Description Cleveland
Enumerated domain value definition source Valid Sap County Code

Value 065
Description New Hanover
Enumerated domain value definition source Valid Sap County Code

Value 094
Description Washington
Enumerated domain value definition source Valid Sap County Code

Value 096
Description Wayne
Enumerated domain value definition source Valid Sap County Code

Value 052
Description Jones
Enumerated domain value definition source Valid Sap County Code

Value 100
Description Yancey
Enumerated domain value definition source Valid Sap County Code

Value 074
Description Pitt

Enumerated domain value definition source Valid Sap County Code

Value 024

Description Columbus

Enumerated domain value definition source Valid Sap County Code

Value 033

Description Edgecombe

Enumerated domain value definition source Valid Sap County Code

Value 099

Description Yadkin

Enumerated domain value definition source Valid Sap County Code

Value 018

Description Catawba

Enumerated domain value definition source Valid Sap County Code

Value 062

Description Montgomery

Enumerated domain value definition source Valid Sap County Code

Value 002

Description Alexander

Enumerated domain value definition source Valid Sap County Code

Value 019

Description Chatham

Enumerated domain value definition source Valid Sap County Code

Value 063

Description Moore

Enumerated domain value definition source Valid Sap County Code

Value 025

Description Craven

Enumerated domain value definition source Valid Sap County Code

Value 030

Description Davie

Enumerated domain value definition source Valid Sap County Code

Value 079

Description Rockingham

Enumerated domain value definition source Valid Sap County Code

Value 095
Description Watauga
Enumerated domain value definition source Valid Sap County Code

Value 038
Description Graham
Enumerated domain value definition source Valid Sap County Code

Value 007
Description Beaufort
Enumerated domain value definition source Valid Sap County Code

Value 034
Description Forsyth
Enumerated domain value definition source Valid Sap County Code

Value 014
Description Caldwell
Enumerated domain value definition source Valid Sap County Code

Value 020
Description Cherokee
Enumerated domain value definition source Valid Sap County Code

Value 027
Description Currituck
Enumerated domain value definition source Valid Sap County Code

Value 049
Description Iredell
Enumerated domain value definition source Valid Sap County Code

Value 021
Description Chowan
Enumerated domain value definition source Valid Sap County Code

Value 028
Description Dare
Enumerated domain value definition source Valid Sap County Code

Value 064
Description Nash
Enumerated domain value definition source Valid Sap County Code

Value 043
Description Harnett

Enumerated domain value definition source Valid Sap County Code

Value 058

Description Martin

Enumerated domain value definition source Valid Sap County Code

Value 057

Description Madison

Enumerated domain value definition source Valid Sap County Code

Value 037

Description Gates

Enumerated domain value definition source Valid Sap County Code

Value 056

Description Macon

Enumerated domain value definition source Valid Sap County Code

Value 005

Description Ashe

Enumerated domain value definition source Valid Sap County Code

Value 068

Description Orange

Enumerated domain value definition source Valid Sap County Code

Value 045

Description Henderson

Enumerated domain value definition source Valid Sap County Code

Value 036

Description Gaston

Enumerated domain value definition source Valid Sap County Code

Value 071

Description Pender

Enumerated domain value definition source Valid Sap County Code

Value 083

Description Scotland

Enumerated domain value definition source Valid Sap County Code

Value 042

Description Halifax

Enumerated domain value definition source Valid Sap County Code

Value 077
Description Richmond
Enumerated domain value definition source Valid Sap County Code

Value 085
Description Stokes
Enumerated domain value definition source Valid Sap County Code

Value 044
Description Haywood
Enumerated domain value definition source Valid Sap County Code

Value 050
Description Jackson
Enumerated domain value definition source Valid Sap County Code

Value 035
Description Franklin
Enumerated domain value definition source Valid Sap County Code

Value 076
Description Randolph
Enumerated domain value definition source Valid Sap County Code

Value 082
Description Sampson
Enumerated domain value definition source Valid Sap County Code

Value 070
Description Pasquotank
Enumerated domain value definition source Valid Sap County Code

Value 022
Description Clay
Enumerated domain value definition source Valid Sap County Code

Value 087
Description Swain
Enumerated domain value definition source Valid Sap County Code

Value 016
Description Carteret
Enumerated domain value definition source Valid Sap County Code

Value 089
Description Tyrrell

Enumerated domain value definition source Valid Sap County Code

Value 013

Description Cabarrus

Enumerated domain value definition source Valid Sap County Code

Value 001

Description Alamance

Enumerated domain value definition source Valid Sap County Code

Value 088

Description Transylvania

Enumerated domain value definition source Valid Sap County Code

Value 072

Description Perquimans

Enumerated domain value definition source Valid Sap County Code

Value 054

Description Lenoir

Enumerated domain value definition source Valid Sap County Code

Value 012

Description Burke

Enumerated domain value definition source Valid Sap County Code

Value 059

Description McDowell

Enumerated domain value definition source Valid Sap County Code

Value 073

Description Person

Enumerated domain value definition source Valid Sap County Code

Value 026

Description Cumberland

Enumerated domain value definition source Valid Sap County Code

Value 080

Description Rowan

Enumerated domain value definition source Valid Sap County Code

Value 040

Description Greene

Enumerated domain value definition source Valid Sap County Code

Value 055
Description Lincoln
Enumerated domain value definition source Valid Sap County Code

Value 053
Description Lee
Enumerated domain value definition source Valid Sap County Code

Value 015
Description Camden
Enumerated domain value definition source Valid Sap County Code

Value 041
Description Guilford
Enumerated domain value definition source Valid Sap County Code

Value 010
Description Brunswick
Enumerated domain value definition source Valid Sap County Code

Value 011
Description Buncombe
Enumerated domain value definition source Valid Sap County Code

Value 097
Description Wilkes
Enumerated domain value definition source Valid Sap County Code

Value 075
Description Polk
Enumerated domain value definition source Valid Sap County Code

Value 091
Description Vance
Enumerated domain value definition source Valid Sap County Code

Value 046
Description Hertford
Enumerated domain value definition source Valid Sap County Code

Value 078
Description Robeson
Enumerated domain value definition source Valid Sap County Code

Field RouteInventory

Alias RouteInventory

Data type String

Width 1

Precision 0

Scale 0

Field description

The NCDOT Route Direction for Dominant Route and is the 3rd digit of the 11 digit route number.

Description source

NCDOT GIS

List of values

Value 4

Description Non-Inventory (Southbound)

Enumerated domain value definition source Valid Inventory Codes

Value 9

Description Non-Inventory (Counter-Clockwise)

Enumerated domain value definition source Valid Inventory Codes

Value 6

Description Non-Inventory (Westbound)

Enumerated domain value definition source Valid Inventory Codes

Value 8

Description Inventory (Clockwise)

Enumerated domain value definition source Valid Inventory Codes

Value 0

Description Inventory

Enumerated domain value definition source Valid Inventory Codes

Field RouteNumber

Alias RouteNumber

Data type String

Width 5

Precision 0

Scale 0

Field description

Route number for dominant route.

Description source

Federal Highway Administration/NCDOT GIS

Description of values

Positive real numbers that are manually generated

Field BarePvmtRoute

Alias BarePvmtRoute

Data type String

Width 5

Precision 0

Scale 0

Field description

Indicates whether segment is part of the Bare Pavement System. These 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 Segment is part of the Bare Pavement System

Enumerated domain value definition source NCDOT

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 Routeld

Alias Routeld

Data type String

Width 15

Precision 0

Scale 0

Field description

Route Identifier for Dominant Route. the 11 digit composite route number.

Description source

NCDOT GIS

Description of values

Positive 11 digit numbers.

Field EndMp

Alias EndMp

Data type Double

Width 8

Precision 0

Scale 0

Field description

The ending milepost for route at that point on the segment.

Description source

NCDOT GIS

Description of values

Numbers; six decimals

Field BeginMp

Alias BeginMp

Data type Double

Width 8

Precision 0

Scale 0

Field description

Beginning Milepost for Dominant Route.

Description source

NCDOT

Description of values

Values vary.

Field Direction

Alias Direction
Data type String
Width 2
Precision 0
Scale 0

Field description

Indicates the actual direction of the route.

Description source

NCDOT GIS

List of values

Value WB
Description Westbound
Enumerated domain value definition source Valid Direction values.

Value BD
Description Bidirectional
Enumerated domain value definition source Valid Direction values.

Value CC
Description Counterclockwise
Enumerated domain value definition source Valid Direction values.

Value NB
Description Northbound
Enumerated domain value definition source Valid Direction values.

Value SB
Description Southbound
Enumerated domain value definition source Valid Direction values.

Value EB
Description Eastbound
Enumerated domain value definition source Valid Direction values.

Value OI
Description Oneway Inventory
Enumerated domain value definition source Valid Direction values.

Value CW
Description Clockwise
Enumerated domain value definition source Valid Direction values.

Value OO

Description Oneway Opposite

Enumerated domain value definition source Valid Direction values.

Field SHAPE_Length

Alias Shape_Length

Data type Double

Width 8

Precision 0

Scale 0

Field description

Length of feature in internal units.

Description source

Esri

Description of values

Positive real numbers that are automatically generated.

Metadata Details

Metadata language English (UNITED STATES)

Metadata character set utf8 - 8 bit UCS Transfer Format

Scope of the data described by the metadata dataset

Scope name dataset

Last update 2026-01-30

ArcGIS metadata properties

Metadata format ArcGIS 1.0

Metadata style ISO 19139 Metadata Implementation Specification

Standard or profile used to edit metadata ISO19139

Created in ArcGIS for the item 2026-01-26 15:44:57

Last modified in ArcGIS for the item 2026-01-30 13:56:07

Automatic updates

Have been performed Yes

Last update 2026-01-30 13:55:47

Metadata Contacts

Metadata contact - point of contact

Organization's name North Carolina Department of Information Technology -Transportation, GIS Unit

Contact's position GIS Data and Services Consultant

Contact information

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

9:00am - 5:00pm Monday - Friday

Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, indicate as such in the subject line in an email.

Metadata Maintenance

Maintenance

Update frequency quarterly

Scope of the updates dataset

Metadata Constraints

Security constraints

Classification unclassified

Classification system None

Limitations of use

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Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file