Road Characteristics - Access Control, 4th Quarter 2024 - NC Department of Transportation

File Geodatabase Feature Class

Tags

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

Summary

This feature class contains lines representing North Carolina state-maintained highways where there is either partial or full access control. Access control refers to the management and regulation of through-movement traffic to ensure safe and efficient flow. 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 feature class is a representation of a subset of North Carolina roads and highways where Access Control is described as partial or full.

Proper management of traffic Access Control helps prevent accidents, reduces the chances of traffic bottlenecks, and contributes to a smoother and safer driving experience for motorists and pedestrians.

Roads with Partial Access Control: Preference is given to through-traffic movement. There may be a mix of interchanges, with at-grade crossings on public roads. There also may be no interchanges, but instead direct, private driveway connections have been minimized through the use of frontage roads or other local access restrictions. Control of curb cuts is not "access control."

Roads with Full Access Control: Road has complete access control. Preference has been given to through traffic movements by providing interchanges with selected roads. No at-grade intersections are allowed.

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.

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Extent

West -84.090438   **East** -75.594766

North 36.578568   **South** 33.793726

Scale Range

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

ArcGIS Metadata ►

Topics and Keywords ►

   THEMES OR CATEGORIES OF THE RESOURCE   transportation, location, society

   * CONTENT TYPE   Downloadable Data

   PLACE KEYWORDS   North Carolina, Division, County

      THESAURUS   ►
      TITLE   User
      PUBLICATION DATE   2024-11-11   00:00:00

      Hide Thesaurus ▲

   THEME KEYWORDS   Access, SR, Roads, US, State maintained roads, Streets, NC, Interstate, Major Roads, Centerline, Primary, Secondary, Highways, Transportation, North Carolina, Division, County

      THESAURUS   ►
      TITLE   User
      PUBLICATION DATE   2024-11-11   00:00:00

      Hide Thesaurus ▲

Hide Topics and Keywords ▲

Citation ►

   TITLE   Road Characteristics - Access Control, 4th Quarter 2024 - NC Department of Transportation
   ALTERNATE TITLES   Route Access Control
   PUBLICATION DATE   2024-11-11   00:00:00

   PRESENTATION FORMATS   digital map
   FGDC GEOSPATIAL PRESENTATION FORMAT   vector digital data

Hide Citation ▲

Citation Contacts ►

   RESPONSIBLE PARTY
      ORGANIZATION'S NAME   North Carolina Department of Information Technology -Transportation, GIS Unit
      CONTACT'S POSITION   GIS Data and Services Consultant
      CONTACT'S ROLE   originator

      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.

Hide Contact information ▲

RESPONSIBLE PARTY
ORGANIZATION'S NAME   North Carolina Department of Information Technology -Transportation, GIS Unit
CONTACT'S POSITION   GIS Data and Services Consultant
CONTACT'S ROLE   resource provider

CONTACT INFORMATION   ▶
ADDRESS
TYPE   physical
DELIVERY POINT   Century Center Building B, 1020 Birch Ridge Drive
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CONTACT'S ROLE   point of contact

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Resource Details ►

DATASET LANGUAGES   English (UNITED STATES)
DATASET CHARACTER SET   utf8 - 8 bit UCS Transfer Format

STATUS   on-going
SPATIAL REPRESENTATION TYPE   vector

SUPPLEMENTAL INFORMATION
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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.

Hide Resource Details ▲

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   6051.800000

EXTENT
  GEOGRAPHIC EXTENT
    BOUNDING RECTANGLE
      WEST LONGITUDE   -84.090438
      EAST LONGITUDE   -75.594766
      SOUTH LATITUDE   33.793726
      NORTH LATITUDE   36.578566
      EXTENT CONTAINS THE RESOURCE   Yes

  VERTICAL EXTENT
    * MINIMUM VALUE   -4.800000
    * MAXIMUM VALUE   6051.800000

EXTENT
  GEOGRAPHIC EXTENT

BOUNDING RECTANGLE
  EXTENT TYPE   Extent used for searching
  * WEST LONGITUDE   -84.090438
  * EAST LONGITUDE   -75.594766
  * NORTH LATITUDE   36.578568
  * SOUTH LATITUDE   33.793726
  * EXTENT CONTAINS THE RESOURCE   Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
  * WEST LONGITUDE   503740.455280
  * EAST LONGITUDE   3000433.528000
  * SOUTH LATITUDE   53044.609744
  * NORTH LATITUDE   1029537.737200
  * EXTENT CONTAINS THE RESOURCE   Yes

Hide Extents ▲

Resource Points 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'S ROLE   point of contact

  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
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  Hide Contact information ▲

Hide Resource Points of Contact ▲

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
  ORGANIZATION'S NAME   North Carolina Department of Information Technology -Transportation, GIS Unit
  CONTACT'S POSITION   GIS Data and Services Consultant
  CONTACT'S ROLE   point of contact

   CONTACT INFORMATION   ►
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Hide Resource Maintenance ▲

Resource Constraints ►

LEGAL CONSTRAINTS
  LIMITATIONS OF USE
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SECURITY CONSTRAINTS
  CLASSIFICATION   unclassified
  CLASSIFICATION SYSTEM   None

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Hide Resource Constraints ▲

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
    PROJECTED COORDINATE SYSTEM
    WELL-KNOWN IDENTIFIER   102719
    X ORIGIN   -121841900
    Y ORIGIN   -93659000
    XY SCALE   1893.9393939393938
    Z ORIGIN   -100000
    Z SCALE   9.9999999999999982
    M ORIGIN   -100000
    M SCALE   10000000
    XY TOLERANCE   0.00528
    Z TOLERANCE   0.20000000000000004
    M TOLERANCE   9.9999999999999995e-07
    HIGH PRECISION   true
    LATEST WELL-KNOWN IDENTIFIER   2264
    VCSWKID   105703
    LATESTVCSWKID   6360
    WELL-KNOWN TEXT
    PROJCS["NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet",GEOGCS["GCS_North_American_19 83",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],P ARAMETER["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Cen tral_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]],V ERTCS["NAVD_1988_Foot_US",VDATUM["North_American_Vertical_Datum_1988"],PARAMETER["Vertic al_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)

Hide Spatial Reference ▲

Spatial Data Properties ►

VECTOR   ►
  * LEVEL OF TOPOLOGY FOR THIS DATASET   geometry only

GEOMETRIC OBJECTS
  FEATURE CLASS NAME   RoadAccessControl
  * OBJECT TYPE   composite
  * OBJECT COUNT   1716

  Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES   ▶
  FEATURE CLASS NAME   RoadAccessControl
  * FEATURE TYPE   Simple
  * GEOMETRY TYPE   Polyline
  * HAS TOPOLOGY   FALSE
  * FEATURE COUNT   1716
  * SPATIAL INDEX   TRUE
  * LINEAR REFERENCING   TRUE

  Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

Data Quality ▶

SCOPE OF QUALITY INFORMATION   ▶
  RESOURCE LEVEL   dataset

  Hide Scope of quality information ▲

DATA QUALITY REPORT - COMPLETENESS COMMISSION   ▶
  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

      Hide Product specification ▲

  Hide Data quality report - Completeness commission ▲

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY   ▶

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

Hide Product specification ▲

Hide Data quality report - Conceptual consistency ▲

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY   ▶

MEASURE DESCRIPTION

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CONFORMANCE TEST RESULTS

TEST PASSED   Yes

RESULT EXPLANATION

Pass

PRODUCT SPECIFICATION   ▶

TITLE   NCDOT Geospatial Data Specifications

Hide Product specification ▲

Hide Data quality report - Quantitative attribute accuracy ▲

Hide Data Quality ▲

Lineage ▶

LINEAGE STATEMENT

This data set is derived from the NCRouteCharacteristics data and contains lines representing North Carolina state-maintained highways where there is either partial or full access control.

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 partial or full road access control 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
    ORGANIZATION'S NAME   North Carolina Department of Information Technology -Transportation, GIS Unit
    CONTACT'S POSITION   GIS Data and Services Consultant
    CONTACT'S ROLE   originator

      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.

        Hide Contact information ▲

    Hide Process step ▲

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
    ORGANIZATION'S NAME   North Carolina Department of Information Technology -Transportation, GIS Unit
    CONTACT'S POSITION   GIS Data and Services Consultant

CONTACT'S ROLE   resource provider

CONTACT INFORMATION   ▶
ADDRESS
TYPE   physical
DELIVERY POINT   Century Center Building B, 1020 Birch Ridge Drive
CITY   Raleigh
ADMINISTRATIVE AREA   NC
POSTAL CODE   27610
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Hide Contact information ▲

Hide Process step ▲

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
ORGANIZATION'S NAME   North Carolina Department of Transportation, Operations Program Management
CONTACT'S POSITION   Road Inventory Engineer
CONTACT'S ROLE   processor

CONTACT INFORMATION   ▶
PHONE
VOICE   919-733-3725

ADDRESS
TYPE   physical
DELIVERY POINT   4809 Beryl Road
CITY   Raleigh
ADMINISTRATIVE AREA   NC
POSTAL CODE   27606
E-MAIL ADDRESS   jtdavis@ncdot.gov

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9:00am - 5:00pm Monday – Friday

CONTACT INSTRUCTIONS
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Hide Contact information ▲

Hide Process step ▲

PROCESS STEP ►
  DESCRIPTION
    The NCRouteCharacteristics data is produced, where this data is derived.

  PROCESS CONTACT
    ORGANIZATION'S NAME   North Carolina Department of Information Technology -Transportation, GIS Unit
    CONTACT'S POSITION   GIS Data and Services Consultant
    CONTACT'S ROLE   point of contact

      CONTACT INFORMATION   ►
      ADDRESS
        TYPE   physical
        DELIVERY POINT   Century Center Building B, 1020 Birch Ridge Drive
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        Hide Contact information ▲

    Hide Process step ▲

  Hide Lineage ▲

Distribution ►

DISTRIBUTOR   ►
  CONTACT INFORMATION
    ORGANIZATION'S NAME   North Carolina Department of Information Technology -Transportation, GIS Unit
    CONTACT'S POSITION   GIS Data and Services Consultant
    CONTACT'S ROLE   distributor

      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
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Hide Contact information ▲

Hide Distributor ▲

DISTRIBUTION FORMAT
  VERSION   10.8.1
  * NAME   File Geodatabase Feature Class

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT RoadAccessControl ►
  * TYPE   Feature Class
  * ROW COUNT   1716
  DEFINITION
      Access Control to North Carolina state-maintained routes

  DEFINITION SOURCE
      North Carolina Department of Transportation

  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 RouteAlternate 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

Hide Field RouteQualifier ▲

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

Hide Field RouteClass ▲

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 052
DESCRIPTION Jones
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Valid Sap County Code

VALUE 096
DESCRIPTION Wayne
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

Hide Field MaintCntyCode ▲

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

  Hide Field RouteInventory ▲

FIELD RouteId ▶
  * ALIAS   RouteId
  * DATA TYPE   String
  * WIDTH   15
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
     Route Identifier for Dominant Route. the 11 digit composite route number.
     More information explaining this route naming convention used by NCDOT is available here:
     https://xfer.services.ncdot.gov/gisdot/DistDOTData/Guide%20to%20the%20NCDOT%20Eleven-
     Digit%20Route%20Number%20-%20Rome%20Implementation.pdf

  DESCRIPTION SOURCE
     NCDOT GIS

  DESCRIPTION OF VALUES
     Positive 11 digit numbers.

     Hide Field RouteId ▲

FIELD RouteNumber ▶
  * ALIAS   RouteNumber
  * DATA TYPE   String
  * WIDTH   5
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
     Route number.

  DESCRIPTION SOURCE
     Federal Highway Administration/NCDOT GIS

  DESCRIPTION OF VALUES
     Positive real numbers that are manually generated

     Hide Field RouteNumber ▲

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 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   EB
DESCRIPTION   Eastbound
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   CW
DESCRIPTION   Clockwise
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   Valid Direction 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   OI
DESCRIPTION   Oneway Inventory
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   Valid Direction values.

VALUE   OO
DESCRIPTION   Oneway Opposite
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   Valid Direction values.

FIELD AccessControl ▶
* ALIAS   AccessControl

* **DATA TYPE** String
* **WIDTH** 10
* **PRECISION** 0
* **SCALE** 0

FIELD DESCRIPTION

Indicates degree of control of through traffic movements on a route. No data indicates that the section of road has no access control, meaning that traffic moves freely through intersecting roads and driveways.

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Partial

DESCRIPTION Road has partial access control. Preference is given to through traffic movement. There may be a mix of interchanges, with at-grade crossings at public roads. There also may be no interchanges, but instead direct, private driveway connections have been minimized through the use of frontage roads or other local access restriction. Control of curb cuts is not access control.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Full

DESCRIPTION Road has complete access control. Preference has been given to through traffic movements by providing interchanges with selected roads. No at-grade intersections are allowed.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

Hide Field AccessControl ▲

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.

Hide Field SHAPE ▲

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.

Hide Field BeginMp ▲

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

 DESCRIPTION OF VALUES
    Numbers; six decimals

Hide Field EndMp ▲

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.

Hide Field SHAPE_Length ▲

Hide Details for object RoadAccessControl ▲

Hide Fields ▲

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 2024-10-17

ARCGIS METADATA PROPERTIES
  METADATA FORMAT ArcGIS 1.0
  STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

  CREATED IN ARCGIS FOR THE ITEM 2024-08-05 11:43:40
  LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-10-17 10:00:59

  AUTOMATIC UPDATES
    HAVE BEEN PERFORMED Yes
    LAST UPDATE 2024-10-17 10:00:59

Hide Metadata Details ▲

Metadata Contacts ▶

METADATA CONTACT
  ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit
  CONTACT'S POSITION GIS Data and Services Consultant
  CONTACT'S ROLE point of contact

    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.

    Hide Contact information ▲

Hide Metadata Contacts ▲

Metadata Maintenance ▶

MAINTENANCE
  UPDATE FREQUENCY quarterly

  SCOPE OF THE UPDATES dataset

Hide Metadata Maintenance ▲

Metadata Constraints ▶

SECURITY CONSTRAINTS
  CLASSIFICATION unclassified
  CLASSIFICATION SYSTEM None

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Hide Metadata Constraints ▲