NC 2021-2025 Highway Maintenance Improvement Program Roads - NC Department of Transportation

Geodatabase Feature Class

Tags

Line, NCDOT, Pavement, Pavement Management, Transportation, Highway, Roads, Routes, State Highway Network, Highway Maintenance, Highway Improvements, Highway Rehabilitation

Summary

Lines representing roads in the 2021-2025 Highway Maintenance Improvement Program (HMIP) as approved by the North Carolina Board of Transportation. The three types of road improvement are resurfacing, preservation, and rehabilitation. Attributes also include the treatment specifics, length of the treatment, the physical description of the begin and end limit of where the treatment is to be applied, the route name to be treated and county location of the improvement project.

Description

The NCDOT Pavement Management Unit (PMU) under Division of Highways, Operations Program Management maintains the authoritative pavement data in the NCDOT Pavement Management System. Among various functions, the system manages pavement condition data and maintains a history of road construction and maintenance treatments.

G.S. 143B-350(f)(4a) requires that the NCDOT publish a schedule of State highway maintenance projects and their anticipated costs. This schedule is designated the Highway Maintenance Improvement Program (HMIP) and is established in G.S. 136-44.3A. It requires the NC DOT to submit a multi-year maintenance plan covering the road preservation, resurfacing, and rehabilitation plans of the NCDOT Divisions. Each Division will have a schedule for each county for each year of the plan that includes the location, selected treatment, and estimated cost. The plan is to be based on the previous fiscal year's Contract Resurfacing and Pavement Preservation allocations. The published schedule shall include the anticipated funding sources for the improvement projects included in the HMIP, a list of any changes made from the previous year's HMIP, and the reasons for the changes. G.S. 143B-350(f) requires the plan be posted to the Department's website by April 1st of each year. Field Divisions create their HMIP in the NCDOT's Pavement Management System. This data is then exported for Board of Transportation approval. Once approved, the HMIP plan becomes official. The 2021-2025 HMIP was approved by the Board of Transportation at their March 2020 meeting.

NCDOT's Pavement Management Unit generates GIS data output from the Pavement Management System in a File Geodatabase format and distributes to the GIS Unit at the North Carolina Department of Information Technology-Transportation. This dataset is designed to give a linear representation of the HMIP attribute information collected in the PMU's system database. These attributes were dynamically matched to the NCDIT-T GIS Unit's Linear Reference System Network of routes to produce this layer.

Credits

The North Carolina Department of Transportation, Division of Highways, Pavement Management Unit.

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

Extent

West -84.321511   **East**   -75.461601
North 36.587286   **South** 33.865960

Scale Range

Maximum (zoomed in)   1:5,000
Minimum (zoomed out) 1:500,000

ArcGIS Metadata ▶

Topics and Keywords ▶

THEMES OR CATEGORIES OF THE RESOURCE   location, planningCadastre, transportation

CONTENT TYPE   Geographic Services
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION   No

PLACE KEYWORDS   North Carolina

THESAURUS   ▶
TITLE   User
CREATION DATE   2020-03-10   00:00:00
PUBLICATION DATE   2020-04-01   00:00:00

Hide Thesaurus ▲

THEME KEYWORDS   Line, NCDOT, Pavement, Pavement Management, Transportation, Highway, Roads, Routes, State Highway Network, Highway Maintenance, Highway Improvements, Highway Rehabilitation

THESAURUS   ▶
TITLE   User
CREATION DATE   2020-03-10   00:00:00
PUBLICATION DATE   2020-04-01   00:00:00

Hide Thesaurus ▲

Hide Topics and Keywords ▲

Citation ▶

TITLE   NC 2021-2025 Highway Maintenance Improvement Program Roads - NC Department of Transportation
ALTERNATE TITLES   2021-2025 HMIP
CREATION DATE   2020-03-10   00:00:00
PUBLICATION DATE   2020-04-01   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 Transportation, Pavement Management Unit
CONTACT'S POSITION   Pavement Management Engineer
CONTACT'S ROLE   originator

CONTACT INFORMATION   ▶
PHONE
VOICE   919-835-8212

ADDRESS
TYPE   physical
DELIVERY POINT   4809 Beryl Road
CITY   Raleigh
ADMINISTRATIVE AREA   NC
POSTAL CODE   27606
COUNTRY   US
E-MAIL ADDRESS   crcoombes@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.

Hide Contact information ▲

RESPONSIBLE PARTY
ORGANIZATION'S NAME   North Carolina Department of Transportation, Pavement Management Unit
CONTACT'S POSITION   Pavement Management Engineer
CONTACT'S ROLE   resource provider

CONTACT INFORMATION   ▶
PHONE
VOICE   919-835-8212

ADDRESS
TYPE   physical
DELIVERY POINT   4809 Beryl Road
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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   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

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Hide Contact information ▲

Hide Citation Contacts ▲

Resource Details ▶

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

STATUS   completed
SPATIAL REPRESENTATION TYPE   * vector

PROCESSING ENVIRONMENT   Esri ArcGIS 12.9.4.32739

CREDITS
The North Carolina Department of Transportation, Division of Highways, Pavement Management Unit.

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
EXTENT TYPE   Extent used for searching
WEST LONGITUDE   -84.321511
EAST LONGITUDE   -75.461601
NORTH LATITUDE   36.587286
SOUTH LATITUDE   33.865960
EXTENT CONTAINS THE RESOURCE   Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE   408738.921133
* EAST LONGITUDE   3051823.010939
* SOUTH LATITUDE   46863.399906
* NORTH LATITUDE   1042834.635978
* 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
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    Hide Contact information ▲

Hide Resource Points of Contact ▲

Resource Maintenance ▶

RESOURCE MAINTENANCE
  UPDATE FREQUENCY   as needed

  SCOPE OF THE UPDATES   dataset

  OTHER MAINTENANCE REQUIREMENTS
      The North Carolina Department of Transportation, Division of Highways, Pavement Management Unit.

      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   ▶
    ADDRESS
      TYPE   physical
      DELIVERY POINT   Century Center Building B, 1020 Birch Ridge Drive
      CITY   Raleigh
      ADMINISTRATIVE AREA   NC
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      COUNTRY   US

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Hide Contact information ▲

Hide Resource Maintenance ▲

Resource Constraints ▶

CONSTRAINTS
LIMITATIONS OF USE
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
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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   3048.0060960121928
    Z ORIGIN   -100000
    Z SCALE   10000
    M ORIGIN   -100000
    M SCALE   10000
    XY TOLERANCE   0.0032808333333333331

Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LATEST WELL-KNOWN IDENTIFIER 2264
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],A
UTHORITY["EPSG",2264]]

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 HMIP_20212025
  * OBJECT TYPE composite
  * OBJECT COUNT 21200

  Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ▶
  FEATURE CLASS NAME HMIP_20212025
  * FEATURE TYPE Simple
  * GEOMETRY TYPE Polyline
  * HAS TOPOLOGY FALSE
  * FEATURE COUNT 21200
  * SPATIAL INDEX TRUE
  * LINEAR REFERENCING FALSE

  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

Data quality assessments are performed by the NC Department of Transportation's Pavement Management Unit on the source data at their discretion. No additional quality assessments are made on the GIS product.

CONFORMANCE TEST RESULTS
TEST PASSED   Yes
RESULT EXPLANATION
   Pass.

PRODUCT SPECIFICATION   ▶
   TITLE   NCDOT Geospatial Data Specifications
   CREATION DATE   2020-03-10   00:00:00
   PUBLICATION DATE   2020-04-01   00:00:00

   Hide Product specification ▲

Hide Data quality report - Completeness commission ▲

Hide Data Quality ▲

Lineage ▶

LINEAGE STATEMENT
   This GIS data is generated by NCDOT's Pavement Management Unit (PMU) under Division of Highways, Operations Program Management. PMU maintains the authoritative pavement data in the NCDOT Pavement Management System. PMU generates GIS data output from this system in a File Geodatabase format and distributes to the GIS Unit at the North Carolina Department of Information Technology-Transportation. This dataset is designed to give a linear representation of the Highway Maintenance Improvement Program attribute information collected in the PMU's system database. These attributes were dynamically matched to the NCDIT-T GIS Unit's Linear Reference System Network of routes to produce this layer.

PROCESS STEP   ▶
   WHEN THE PROCESS OCCURRED   2020-03-10   00:00:00
   DESCRIPTION
      NCDOT's Pavement Management Unit generates the data output from the Pavement Management System in File Geodatabase format and distributes to GIS Unit at the North Carolina Department of Information Technology-Transportation.

PROCESS CONTACT
   ORGANIZATION'S NAME   North Carolina Department of Transportation, Pavement Management Unit
   CONTACT'S POSITION   Pavement Management Engineer
   CONTACT'S ROLE   originator

   CONTACT INFORMATION   ▶
   PHONE
      VOICE   919-835-8212

   ADDRESS
      TYPE   physical
      DELIVERY POINT   4809 Beryl Road

CITY Raleigh
ADMINISTRATIVE AREA   NC
POSTAL CODE   27606
COUNTRY   US
E-MAIL ADDRESS   crcoombes@ncdot.gov

HOURS OF SERVICE
9:00am - 5:00pm Monday - Friday

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Hide Contact information ▲

Hide Process step ▲

PROCESS STEP   ▶
WHEN THE PROCESS OCCURRED   2020-03-24   00:00:00
DESCRIPTION
The North Carolina Department of Information Technology-Transportation, GIS Unit reviews the data, evaluates for feature count consistency and data integrity, and prepares for publishing (including metadata updates).

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   processor

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

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Hide Contact information ▲

Hide Process step ▲

PROCESS STEP   ▶
WHEN THE PROCESS OCCURRED   2020-04-01   00:00:00
DESCRIPTION

The GIS Unit at the North Carolina Department of Information Technology-Transportation publishes the HMIP data and updates maps for service distribution.

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
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 ▲

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
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.

DISTRIBUTION FORMAT
  NAME   Geodatabase Feature Class
  VERSION   ArcGIS Pro 2.9.5

Fields ▶

DETAILS FOR OBJECT HMIP_20212025 ▶
  TYPE   Feature Class
  ROW COUNT   21200
  DEFINITION
    NC 2021-2025 Highway Maintenance Improvement Program Roads

  DEFINITION SOURCE
    North Carolina Department of Transportation, Pavement Management Unit

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 COUNTY ▶
  ALIAS   County
  DATA TYPE   String
  WIDTH   25
  PRECISION   0
  SCALE   0
  FIELD DESCRIPTION
    The county where the planned treatment for the route exists.

  DESCRIPTION SOURCE
    NCDOT

  DESCRIPTION OF VALUES

Values are among the 100 NC county names.

Hide Field COUNTY ▲

FIELD PlanYear ▶
- *** ALIAS** Plan Year
- *** DATA TYPE** String
- *** WIDTH** 4
- *** PRECISION** 0
- *** SCALE** 0

FIELD DESCRIPTION
The fiscal year in which the highway maintenance improvement treatment is to be executed.

DESCRIPTION SOURCE
NCDOT

DESCRIPTION OF VALUES
Values vary.

Hide Field PlanYear ▲

FIELD LENGTH ▶
- *** ALIAS** Length
- *** DATA TYPE** Double
- *** WIDTH** 8
- *** PRECISION** 0
- *** SCALE** 0

FIELD DESCRIPTION
The length in miles of the treatment.

DESCRIPTION SOURCE
NCDOT

DESCRIPTION OF VALUES
Values vary.

Hide Field LENGTH ▲

FIELD RouteName ▶
- *** ALIAS** Route Name
- *** DATA TYPE** String
- *** WIDTH** 100
- *** PRECISION** 0
- *** SCALE** 0

FIELD DESCRIPTION
The route to be treated.

DESCRIPTION SOURCE
NCDOT

DESCRIPTION OF VALUES

Values vary.

FIELD BeginDescription ►
* ALIAS   Begin Description
* DATA TYPE   String
* WIDTH   100
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    The physical description of the beginning limit of where the treatment is to be applied.

DESCRIPTION SOURCE
    NCDOT

DESCRIPTION OF VALUES
    Values vary.

FIELD EndDescription ►
* ALIAS   End Description
* DATA TYPE   String
* WIDTH   100
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    The physical description of the end limit of where the treatment is to be applied.

DESCRIPTION SOURCE
    NCDOT

DESCRIPTION OF VALUES
    Values vary.

FIELD TREATMENT ►
* ALIAS   Treatment
* DATA TYPE   String
* WIDTH   100
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    The specific treatment to be applied to the road.

DESCRIPTION SOURCE
    NCDOT

DESCRIPTION OF VALUES

Values vary.

FIELD BudgetGroup ▶
* ALIAS   Budget Group
* DATA TYPE   String
* WIDTH   20
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    The budget group of the type of treatment.

DESCRIPTION SOURCE
    NCDOT

LIST OF VALUES
    VALUE   Resurfacing
    DESCRIPTION   Road improvement and maintenance technique in which a new layer of material is laid over the existing surface instead of replacing the entire road.
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

    VALUE   Preservation
    DESCRIPTION   Pavement preservation is the proactive maintenance of roads to prevent them from getting to a condition where major rehabilitation or reconstruction is necessary. Preventative maintenance costs are far less than the ultimate repair cost.
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

    VALUE   Rehabilitation
    DESCRIPTION   Repairing portions of an existing pavement to reset the deterioration process.
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

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 EstimatedCost ▶

* **ALIAS**   Estimated Cost
* **DATA TYPE**   Double
* **WIDTH**   8
* **PRECISION**   0
* **SCALE**   0
FIELD DESCRIPTION
    The estimated cost of the treatment. The estimated cost data shown is not reflective of the actual
    engineer's estimate.

DESCRIPTION SOURCE
    NCDOT

DESCRIPTION OF VALUES
    Values vary.

Hide Field EstimatedCost ▲

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 HMIP_20212025 ▲

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**   2023-06-13

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

  CREATED IN ARCGIS FOR THE ITEM   2023-05-30   10:14:41
  LAST MODIFIED IN ARCGIS FOR THE ITEM   2023-06-13   12:06:18

AUTOMATIC UPDATES
  HAVE BEEN PERFORMED   Yes
  LAST UPDATE   2023-06-13   12:06:18

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

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  Hide Contact information ▲

Hide Metadata Contacts ▲

Metadata Maintenance ▶

MAINTENANCE
  UPDATE FREQUENCY   as needed

  SCOPE OF THE UPDATES   dataset

  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

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Hide Metadata Maintenance ▲

Metadata Constraints ▶

CONSTRAINTS
LIMITATIONS OF USE
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SECURITY CONSTRAINTS
CLASSIFICATION   unclassified
CLASSIFICATION SYSTEM   None

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Hide Metadata Constraints ▲

Thumbnail and Enclosures ▶

THUMBNAIL
THUMBNAIL TYPE   JPG

Hide Thumbnail and Enclosures ▲