# Pavement, North Carolina Department of Transportation, Prioritization 7.0, July 2023

File Geodatabase Feature Class



Tags

Pavement, Pavement Status, Strategic Prioritization Office of Transportation (SPOT), North Carolina Department of Transportation (NCDOT), Prioritization 7.0 (P7)

## Summary

Visual representation of pavement including performance and condition for use in the Strategic Planning Office of Transportation Prioritization 7.0 (P7) project. The pavement data is incorporated into the pavement score, lane width score, paved shoulder width, and cost estimation tool.

## Description

A layer for visual representation of the pavement system where segments are split at milepost. The data originated from North Carolina Department of Transportation Pavement Management group. This layer was collected and obtained in 2017 (Secondary Routes) and 2018 (Primary Routes) through pavement surveys conducted by the NCDOT. This data is updated on an ongoing basis to improve data quality and fields are updated accordingly. For the purpose of Prioritization, the GIS team manipulates the data including adding and removing fields not used as part of the Prioritization scoring criteria.

Updates to the data include: Shoulder Type of UnPaved OR Null was selected and Shoulder Width was updated as 0; Lane Width field was created and derived by taking Section Width / Number Of Lanes; If there are paved shoulders, Shoulder Widths were subtracted from Section Width and then Lane Width was calculated by dividing Number of Lanes by adjusted Section Width; Any lane width over 12 was calculated to 12

For the purposes of the Strategic Planning Office of Transportation Prioritization 7.0 (P7) project, data is not updated after July 2023.

For further information about domains and fields used in SPOT see the SPOT P7 Domains document here:

https://xfer.services.ncdot.gov/gisdot/metadata/spot/NCDOT%20SPOT%20Prioritization%207%20Online%20D omain%20Reference.pdf

## Credits

Pavement Management; North Carolina Department of Transportation GIS Unit, Strategic Prioritization Office of Transportation (SPOT)

### **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.

SPOT Online is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either generated by the SPOT Online application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT Online project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT Online, the user hereby acknowledges this statement.

### Extent

West -84.421459 East -75.418361 North 36.615114 South 33.751356 Scale Range

 Maximum (zoomed in)
 1:5,000

 Minimum (zoomed out)
 1:150,000,000

ArcGIS Metadata 🕨

# Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE transportation

\* CONTENT TYPE Downloadable Data

PLACE KEYWORDS North Carolina

THESAURUS TITLE User PUBLICATION DATE 2023-07-17 00:00:00

Hide Thesaurus 🔺

THEME KEYWORDS Pavement, Pavement Status, Strategic Prioritization Office of Transportation (SPOT), North Carolina Department of Transportation (NCDOT), Prioritization 7.0 (P7), Transportation.

THESAURUS TITLE User PUBLICATION DATE 2023-07-17 00:00:00

Hide Thesaurus 🔺

Hide Topics and Keywords

# Citation **>**

TITLE Pavement, North Carolina Department of Transportation, Prioritization 7.0, July 2023 PUBLICATION DATE 2023-07-17 00:00:00

PRESENTATION FORMATS \* digital map

Hide Citation **A** 

# Citation Contacts ►

RESPONSIBLE PARTY ORGANIZATION'S NAME Pavement Management Section CONTACT'S POSITION Operations Program Management CONTACT'S ROLE originator

CONTACT INFORMATION PHONE

VOICE (919) 733-3725 ADDRESS TYPE postal DELIVERY POINT 1561 Mail Service Center **CITY** Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27606 COUNTRY US Hide Contact information **RESPONSIBLE PARTY** ORGANIZATION'S NAME North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT) CONTACT'S ROLE resource provider CONTACT INFORMATION PHONE VOICE 919.707.4742 **A**DDRESS TYPE postal DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive CITY Raleigh Administrative area NC POSTAL CODE 27610 COUNTRY US E-MAIL ADDRESS spot@ncdot.gov HOURS OF SERVICE 8am-5pm, M-F **CONTACT INSTRUCTIONS** Phone or email Hide Contact information

Hide Citation Contacts

## **Resource Details** ►

DATASET LANGUAGES \* English (UNITED STATES)

SPATIAL REPRESENTATION TYPE \* vector

\* PROCESSING ENVIRONMENT Version 6.2 (Build 9200); Esri ArcGIS 10.8.1.14362

CREDITS

Pavement Management; North Carolina Department of Transportation GIS Unit, Strategic Prioritization Office of Transportation (SPOT)

## Extents

```
EXTENT
TEMPORAL EXTENT
DATE AND TIME 2023-07-17 00:00:00
```

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

- \* WEST LONGITUDE -84.421459
- \* EAST LONGITUDE -75.418361
- \* NORTH LATITUDE 36.615114
- \* SOUTH LATITUDE 33.751356
- \* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

- \* WEST LONGITUDE 406981.224190
- \* EAST LONGITUDE 3051823.579179
- \* SOUTH LATITUDE 42562.177866
- \* NORTH LATITUDE 1042845.493896
- \* EXTENT CONTAINS THE RESOURCE Yes

Hide Extents

# **Resource Points of Contact** ►

POINT OF CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT) CONTACT'S ROLE point of contact

CONTACT INFORMATION PHONE VOICE 919.707.4742

ADDRESS

TYPE postal DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27610 COUNTRY US E-MAIL ADDRESS spot@ncdot.gov

HOURS OF SERVICE 8am-5pm, M-F

CONTACT INSTRUCTIONS Phone or email

Hide Contact information **A** 

Hide Resource Points of Contact

# **Resource Maintenance** ►

RESOURCE MAINTENANCE UPDATE FREQUENCY annually

SCOPE OF THE UPDATES dataset

MAINTENANCE CONTACT ORGANIZATION'S NAME Pavement Management Section CONTACT'S POSITION Operations Program Management CONTACT INFORMATION PHONE VOICE (919) 733-3725 ADDRESS TYPE postal DELIVERY POINT 1561 Mail Service Center CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27606 COUNTRY US

Hide Contact information **A** 

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 sources from which this data was compiled must be consulted for verification of information contained in this data.

SPOT Online is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either generated by the SPOT Online application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT Online project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT Online, the user hereby acknowledges this statement.

### LEGAL CONSTRAINTS

#### LIMITATIONS OF USE

The North Carolina Department of Transportation shall not be held liable for any errors in this metadata. 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.

SPOT Online is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either generated by the SPOT Online application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT Online project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT Online, the user hereby acknowledges this statement.

### SECURITY CONSTRAINTS

CLASSIFICATION unclassified CLASSIFICATION SYSTEM none

### 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 sources from which this data was compiled must be consulted for verification of information contained in this data.

SPOT Online is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either generated by the SPOT Online application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT Online project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT Online, the user hereby acknowledges this statement.

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 3048.0060960121918

Z ORIGIN 0

Z SCALE 1

M ORIGIN 0 M SCALE 1

MISCALE I

XY TOLERANCE 0.0032808333333333331 Z TOLERANCE 0.0032808333333333333

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",-

REFERENCE SYSTEM IDENTIFIER

- \* VALUE 2264
- \* CODESPACE EPSG

\* VERSION 6.12(9.0.0)

Hide Spatial Reference

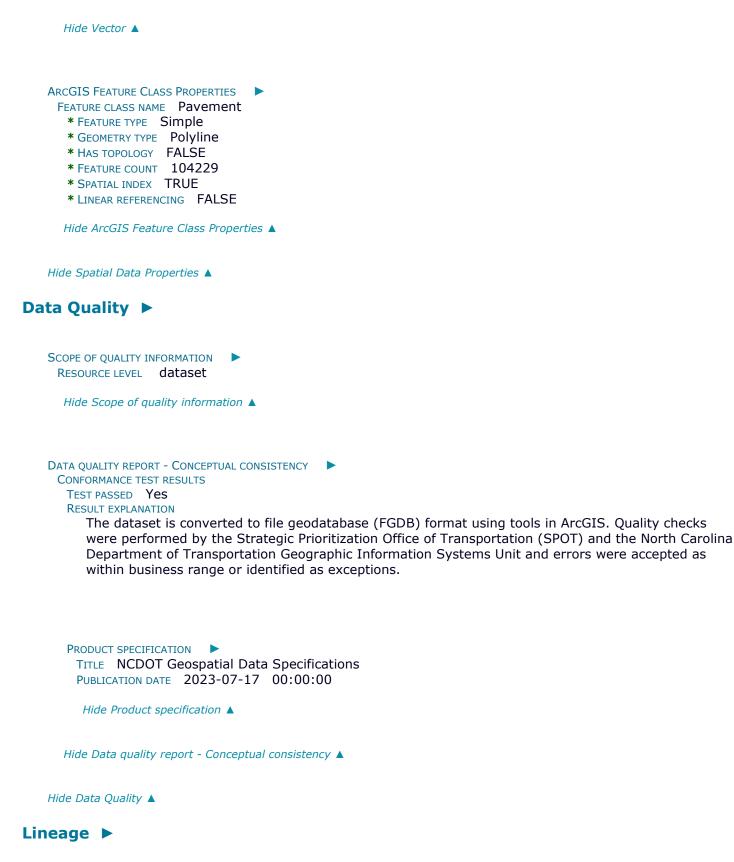
# Spatial Data Properties ►

VECTOR ► \* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME Pavement

- \* OBJECT TYPE composite
- \* OBJECT COUNT 104229



# LINEAGE STATEMENT

The data originated from North Carolina Department of Transportation Pavement Management group. The data were further manipulated by the North Carolina Department of Transportation Geographic Information Systems Unit and/or the North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT) to produce the required data for Prioritization 7.0. PROCESS STEP

DESCRIPTION

The data were collected from the North Carolina Department of Transportation Pavement Management group.

**PROCESS CONTACT** ORGANIZATION'S NAME North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT) CONTACT'S ROLE processor CONTACT INFORMATION PHONE VOICE 919,707,4742 ADDRESS TYPE postal DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27610 COUNTRY US E-MAIL ADDRESS spot@ncdot.gov HOURS OF SERVICE 8am-5pm, M-F **CONTACT INSTRUCTIONS** Phone or email Hide Contact information Hide Process step ▲ PROCESS STEP DESCRIPTION The GIS team manipulates the data including adding and removing fields not used as part of the Prioritization scoring criteria. **PROCESS CONTACT** ORGANIZATION'S NAME North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT) CONTACT'S ROLE processor CONTACT INFORMATION PHONE VOICE 919.707.4742 **A**DDRESS TYPE postal

DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27610

COUNTRY US E-MAIL ADDRESS spot@ncdot.gov HOURS OF SERVICE 8am-5pm, M-F **CONTACT INSTRUCTIONS** Phone or email Hide Contact information Hide Process step ▲ PROCESS STEP DESCRIPTION Metadata is updated for publication PROCESS CONTACT ORGANIZATION'S NAME North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT) CONTACT'S ROLE resource provider CONTACT INFORMATION PHONE VOICE 919,707,4742 **A**DDRESS TYPE postal DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27610 COUNTRY US E-MAIL ADDRESS spot@ncdot.gov HOURS OF SERVICE 8am-5pm, M-F **CONTACT INSTRUCTIONS** Phone or email Hide Contact information **A** Hide Process step ▲ Hide Lineage **Distribution** DISTRIBUTOR **>** 

CONTACT INFORMATION ORGANIZATION'S NAME Pavement Management Section CONTACT'S POSITION Operations Program Management CONTACT INFORMATION PHONE VOICE (919) 733-3725 ADDRESS TYPE postal DELIVERY POINT 1561 Mail Service Center CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27606 COUNTRY US

Hide Contact information  $\blacktriangle$ 

Hide Distributor

DISTRIBUTION FORMAT VERSION ArcGIS 10.3 \* NAME File Geodatabase Feature Class

Hide Distribution **A** 

# Fields **>**

DETAILS FOR OBJECT Pavement

\* TYPE Feature Class

\* ROW COUNT 104229

DEFINITION

Visual representation of pavement including performance and condition for use in the Strategic Planning Office of Transportation Prioritization 7.0 (P7) project.

DEFINITION SOURCE

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 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 Rte\_Id ►

- \* ALIAS Rte\_Id
- \* DATA TYPE String
- \* WIDTH 11
- \* PRECISION 0
- \* SCALE 0
- FIELD DESCRIPTION

The 11-digit route number is a route naming convention used by NCDOT

DESCRIPTION SOURCE

Hide Field Rte\_Id ▲

FIELD Beg\_Mp1

- \* ALIAS Beg\_Mp1
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0
- FIELD DESCRIPTION

Route milepost at the beginning of the reference

DESCRIPTION SOURCE

Hide Field Beg\_Mp1 ▲

FIELD End\_Mp1

- \* ALIAS End\_Mp1
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION Route milepost at the ending of the reference

DESCRIPTION SOURCE

Hide Field End\_Mp1 ▲

### FIELD SEC\_WIDTH ►

- \* ALIAS SEC\_WIDTH
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0
- FIELD DESCRIPTION

Field defining the total pavement width

DESCRIPTION SOURCE Pavement Management Section

Hide Field SEC\_WIDTH ▲

### FIELD NUMBER\_OF

- \* ALIAS NUMBER\_OF
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Field defining the total number of lanes

DESCRIPTION SOURCE Pavement Management Section

Hide Field NUMBER\_OF ▲

### FIELD CURB ►

- \* ALIAS CURB
- \* DATA TYPE String
- \* WIDTH 5
- \* PRECISION 0
- \* SCALE 0
- FIELD DESCRIPTION

Field defining whether the roadway section has curb and gutter (Y/N)

### DESCRIPTION SOURCE

Pavement Management Section

### LIST OF VALUES

VALUE Yes DESCRIPTION Segment does have a curb ENUMERATED DOMAIN VALUE DEFINITION SOURCE Pavement Management Section

VALUE NO DESCRIPTION Segment does not have curb ENUMERATED DOMAIN VALUE DEFINITION SOURCE Pavement Management Section

### FIELD SHOULDER\_W

- \* ALIAS SHOULDER\_W
- \* DATA TYPE Double
- \* WIDTH 8

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Field defining shoulder width

DESCRIPTION SOURCE Pavement Management Section

Hide Field SHOULDER\_W ▲

FIELD LaneWidth

- \* ALIAS LaneWidth
- \* DATA TYPE SmallInteger
- \* WIDTH 2

\* PRECISION 0

- \* SCALE 0
- FIELD DESCRIPTION

Field defined by calculating Section Width / Number of Lanes, created by the SPOT office

DESCRIPTION SOURCE NCDOT

Hide Field LaneWidth

## 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 🔺

## FIELD RTG\_NBR ►

- \* ALIAS RTG\_NBR
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0

\* SCALE 0 FIELD DESCRIPTION Field defined by pavement rating numbers

DESCRIPTION SOURCE Pavement Management Section

Hide Field RTG\_NBR ▲

Hide Details for object Pavement ▲

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 2024-02-26

ARCGIS METADATA PROPERTIES METADATA FORMAT ArcGIS 1.0 Standard or profile used to edit metadata ISO19139 METADATA STYLE FGDC CSDGM Metadata

CREATED IN ARCGIS FOR THE ITEM 2023-12-06 09:05:50 LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-02-26 17:01:17

AUTOMATIC UPDATES HAVE BEEN PERFORMED Yes LAST UPDATE 2024-02-26 17:01:17

Hide Metadata Details

# Metadata Contacts <

METADATA CONTACT ORGANIZATION'S NAME North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT) CONTACT'S ROLE point of contact

CONTACT INFORMATION PHONE VOICE 919.707.4742 ADDRESS TYPE postal DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27610 COUNTRY US E-MAIL ADDRESS spot@ncdot.gov

HOURS OF SERVICE

8am-5pm, M-F

CONTACT INSTRUCTIONS Phone or email

Hide Contact information **A** 

Hide Metadata Contacts 🔺

# Metadata Maintenance

MAINTENANCE UPDATE FREQUENCY annually

SCOPE OF THE UPDATES dataset

MAINTENANCE CONTACT ORGANIZATION'S NAME Pavement Management Section CONTACT'S POSITION Operations Program Management CONTACT'S ROLE point of contact

CONTACT INFORMATION PHONE VOICE (919) 733-3725

Address Type postal Delivery point 1561 Mail Service Center City Raleigh Administrative area NC Postal code 27606 Country US

Hide Contact information

Hide Metadata Maintenance

# Metadata 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 sources from which this data was compiled must be consulted for verification of information contained in this data.

SPOT Online is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either generated by the SPOT Online application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT Online project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT Online, the user hereby acknowledges this statement. The North Carolina Department of Transportation shall not be held liable for any errors in this metadata. 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.

SPOT Online is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either generated by the SPOT Online application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT Online project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT Online, the user hereby acknowledges this statement.

#### SECURITY CONSTRAINTS

CLASSIFICATION UNCLASSIFIED UNCLASSIFICATION SYSTEM NONE

### 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 sources from which this data was compiled must be consulted for verification of information contained in this data.

SPOT Online is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either generated by the SPOT Online application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT Online project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT Online, the user hereby acknowledges this statement.

Hide Metadata Constraints