

# North Carolina Bicycle and Pedestrian Risk Analysis, North Carolina Department of Transportation, Prioritization 7.0, July 2023

## File Geodatabase Feature Class



## Tags

Pedestrian, Bicycle, North Carolina, North Carolina Department of Transportation (NCDOT), Risk, Prioritization 7.0 (P7), Strategic Prioritization Office of Transportation (SPOT), Transportation.

## Summary

North Carolina roads and highways layer with corresponding safety risk scores developed for individual road segments based on spatially derived safety data.

## Description

A representation of bicycle and pedestrian risk analysis along roads and highways in North Carolina. Safety statistics were assessed spatially and are represented as risk scores for individual road segments along roads and highways throughout North Carolina.

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%20omain%20Reference.pdf>

## Credits

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.

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## Extent

**West** -84.421752    **East** -75.418246

**North** 36.617735    **South** 33.733300

## 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 Transportation, Bicycle, Pedestrian, North Carolina, North Carolina Department of Transportation (NCDOT), Prioritization 7.0 (P7), Risk, Strategic Prioritization Office of Transportation (SPOT)

### THESAURUS ▶

TITLE User

PUBLICATION DATE 2023-07-17 00:00:00

*Hide Thesaurus ▲*

*Hide Topics and Keywords ▲*

## Citation ▶

TITLE North Carolina Bicycle and Pedestrian Risk Analysis, North Carolina Department of Transportation, Prioritization 7.0, July 2023

PUBLICATION DATE 2023-07-17 00:00:00

PRESENTATION FORMATS \* digital map

*Hide Citation ▲*

## Citation Contacts ▶

### RESPONSIBLE PARTY

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE originator

### CONTACT INFORMATION ▶

#### PHONE

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E-MAIL ADDRESS [gishelp@ncdot.gov](mailto:gishelp@ncdot.gov)

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

CONTACT INSTRUCTIONS  
Phone or email

[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 ►

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[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

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

[Hide Resource Details ▲](#)

## Extents ►

#### EXTENT

##### DESCRIPTION

Prioritization 7.0

TEMPORAL EXTENT

DATE AND TIME 2019-09-01 00:00:00

VERTICAL EXTENT

\* MINIMUM VALUE -59.600000  
\* MAXIMUM VALUE 6577.400000

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching  
\* WEST LONGITUDE -84.421752  
\* EAST LONGITUDE -75.418246  
\* NORTH LATITUDE 36.617735  
\* SOUTH LATITUDE 33.733300  
\* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE 406947.229168  
\* EAST LONGITUDE 3051823.000288  
\* SOUTH LATITUDE 35982.805072  
\* NORTH LATITUDE 1043799.812368  
\* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

## Resource Points of Contact ►

POINT OF CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit  
CONTACT'S POSITION GIS Help Desk  
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE

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ADDRESS

TYPE postal  
DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive  
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## Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY annually

SCOPE OF THE UPDATES dataset

MAINTENANCE CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

CONTACT'S ROLE resource provider

CONTACT INFORMATION ►

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HOURS OF SERVICE

8am-5pm, M-F

CONTACT INSTRUCTIONS

Phone or email

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*Hide Resource Maintenance ▲*

## Resource Constraints ►

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

#### PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102719  
X ORIGIN -121841900  
Y ORIGIN -93659000  
XY SCALE 36365718.124241434  
Z ORIGIN -100000  
Z SCALE 9.9999999999999982  
M ORIGIN -100000  
M SCALE 10000  
XY TOLERANCE 3  
Z TOLERANCE 0.200000000000000004  
M TOLERANCE 0.001  
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\_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)

[Hide Spatial Reference ▲](#)

## Spatial Data Properties ►

### VECTOR ►

- \* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

#### GEOMETRIC OBJECTS

- FEATURE CLASS NAME BikePedRiskAnalysis
- \* OBJECT TYPE composite
- \* OBJECT COUNT 116471

[Hide Vector ▲](#)

### ARCgis FEATURE CLASS PROPERTIES ►

- FEATURE CLASS NAME BikePedRiskAnalysis
- \* FEATURE TYPE Simple
- \* GEOMETRY TYPE Polyline
- \* HAS TOPOLOGY FALSE
- \* FEATURE COUNT 116471
- \* 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 - CONCEPTUAL CONSISTENCY ►

#### CONFORMANCE TEST RESULTS

- TEST PASSED Yes

#### RESULT EXPLANATION

The dataset is converted to file geodatabase (FGDB) format using tools in ArcGIS. Quality checks were performed by the Strategic Prioritization Office of Transportation (SPOT) and the North Carolina Department of Transportation Geographic Information Systems Unit and errors were accepted as within business range or identified as exceptions.

### PRODUCT SPECIFICATION ►

- TITLE NCDOT Geospatial Data Specifications
- PUBLICATION DATE 2019-09-01 00:00:00

[Hide Product specification ▲](#)

[Hide Data quality report - Conceptual consistency ▲](#)

[Hide Data Quality ▲](#)

## Lineage ►

### LINEAGE STATEMENT

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 North Carolina Department of Transportation Geographic Information Systems Unit placed the data into ArcGIS 10.3 to process and create the desired product for the Strategic Prioritization Office of Transportation (SPOT).

[Hide Process step ▲](#)

### PROCESS STEP ►

#### DESCRIPTION

Metadata is updated for publication.

### PROCESS CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit  
CONTACT'S POSITION GIS Help Desk  
CONTACT'S ROLE originator

### CONTACT INFORMATION ►

#### PHONE

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COUNTRY US

E-MAIL ADDRESS [gishelp@ncdot.gov](mailto:gishelp@ncdot.gov)

#### HOURS OF SERVICE

8am-5pm, M-F

#### CONTACT INSTRUCTIONS

Phone or email

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[Hide Process step ▲](#)

[Hide Lineage ▲](#)

## Distribution ►

### DISTRIBUTOR ►

#### CONTACT INFORMATION

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit  
CONTACT'S POSITION GIS Help Desk  
CONTACT'S ROLE distributor

#### CONTACT INFORMATION ►

##### PHONE

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##### ADDRESS

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##### HOURS OF SERVICE

8am to 5pm, M-F

##### CONTACT INSTRUCTIONS

Phone or email

[Hide Contact information ▲](#)

[Hide Distributor ▲](#)

### DISTRIBUTION FORMAT

VERSION 10.5.1

\* NAME File Geodatabase Feature Class

[Hide Distribution ▲](#)

## Fields ►

### DETAILS FOR OBJECT [BikePedRiskAnalysis](#) ►

\* TYPE Feature Class

\* ROW COUNT 116471

#### DEFINITION SOURCE

NCDOT

#### DEFINITION

An assessment of bicycle and pedestrian risk analysis in North Carolina.

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.

*Hide Field OBJECTID ▲*

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 RouteID ►

\* ALIAS RouteID

\* DATA TYPE String

\* WIDTH 255

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

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

DESCRIPTION SOURCE

NCDOT

DESCRIPTION OF VALUES

A combination of numbers that serve to identify a particular road

*Hide Field RouteID ▲*

FIELD **SegmentRiskScore** ▶

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

FIELD DESCRIPTION

Segment risk score

DESCRIPTION SOURCE

NCDOT

DESCRIPTION OF VALUES

Risk score

*Hide Field SegmentRiskScore ▲*

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 BikePedRiskAnalysis ▲*

*Hide Fields ▲*

**Metadata Details** ▶

\* METADATA LANGUAGE English (UNITED STATES)

SCOPE OF THE DATA DESCRIBED BY THE METADATA \* dataset

SCOPE NAME \* dataset

\* LAST UPDATE 2024-02-27

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2023-12-06 09:08:29  
LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-02-27 14:14:09

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes  
LAST UPDATE 2024-02-27 14:14:09

[Hide Metadata Details ▲](#)

## Metadata Contacts ▶

METADATA CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit  
CONTACT'S POSITION GIS Help Desk  
CONTACT'S ROLE point of contact

CONTACT INFORMATION ▶

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E-MAIL ADDRESS [gishelp@ncdot.gov](mailto:gishelp@ncdot.gov)

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[Hide Metadata Contacts ▲](#)

## Metadata Maintenance ▶

MAINTENANCE

UPDATE FREQUENCY annually

SCOPE OF THE UPDATES dataset

MAINTENANCE CONTACT

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

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#### HOURS OF SERVICE

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## Metadata Constraints ►

### CONSTRAINTS

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CLASSIFICATION unclassified

CLASSIFICATION SYSTEM none

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