Bike/Pedestrians Locations of Interest – Lines, North Carolina Department of Transportation, Prioritization 7.0, July 2023

Geodatabase Feature Class

Tags   Location of Interest (LOI), Transportation, Bicycle, Pedestrian, North Carolina, North Carolina Department of Transportation (NCDOT), Prioritization 7.0 (P7), Line, Strategic Prioritization Office of Transportation (SPOT)

Summary

This layer includes bus and rail lines that serve as public transportation throughout the state of North Carolina. This layer is also useful to the bicyclists and pedestrians. The layer is intended to be used for the Strategic Prioritization Office of Transportation (SPOT) 7.0 scoring process for the 2023 update to the State Transportation Improvement Plan (STIP).

Description

This layer is a line feature class that represents locations of fixed-route transit in North Carolina that were determined to be attractive bicyclist and pedestrian destinations. The composite selection of features, used for the Strategic Prioritization Office of Transportation (SPOT) 7.0 scoring process, were generated from general transit feed specification (GTFS) files provided by the Institute for Transportation Research (ITRE) and Education at North Carolina State University.

Component	Category	Source
Transit Routes	Transit	NCSU ITRE; 2019

Transit route locations are subject to frequent change and this dataset does not guarantee the accuracy of the current location of existing fixed transit routes.

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%20Domain%20Reference.pdf

Credits

North Carolina Department of Transportation (NCDOT), Strategic Prioritization Office of Transportation (SPOT), Institute for Transportation Research and Education (ITRE), North Carolina State University (NCSU), (VHB).

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 On!ine 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 On!ine application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT On!ine 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 On!ine, the user hereby acknowledges this statement.

Extent

West   -83.506180
East   -77.003623
North   36.528822
South   33.959418

Scale Range

Maximum (zoomed in)   1:5,000
Minimum (zoomed out)   1:150,000,000

Topics and Keywords

Themes or categories of the resource   Transportation

Content type   Downloadable Data

Theme keywords   Location of Interest (LOI), Transportation, Bicycle, Pedestrian, North Carolina, North Carolina Department of Transportation (NCDOT), Prioritization 7.0 (P7), Line, Strategic Prioritization Office of Transportation (SPOT)

Thesaurus
Title   User
Publication date   2023-07-17   00:00:00

Place keywords   North Carolina

Thesaurus
Title   User
Publication date   2023-07-17   00:00:00

Citation

Title   Bike/Pedestrians Locations of Interest – Lines, North Carolina Department of Transportation, Prioritization 7.0, July 2023
Publication date   2023-07-17   00:00:00

Presentation formats   digital map

Citation Contacts

Responsible party - originator
Organization's name   North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

Contact information

Phone
  Voice   919.707.4742
Address
  Type   postal
  Delivery point   4101 Capital Blvd
  City   Raleigh
  Administrative area   NC
  Postal code   27610
  Country   US
  e-mail address   spot@ncdot.gov
Contact instructions
Email

Responsible party - resource provider

Organization's name   North Carolina Department of Transportation Geographic Information Systems Unit
Contact's position   GIS Help Desk

Contact information
Phone
  Voice   919.707.2165
  Fax   919.707.2210
Address
  Type   postal
  Delivery point   4101 Capital Blvd
  City   Raleigh
  Administrative area   NC
  Postal code   27610
  Country   US
  e-mail address   gishelp@ncdot.gov
Contact instructions
Phone or email

Resource Details

Dataset languages   English (UNITED STATES)
Dataset character set   utf8 - 8 bit UCS Transfer Format

Spatial representation type   vector

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

Credits
North Carolina Department of Transportation (NCDOT), Strategic Prioritization Office of Transportation (SPOT), Institute for Transportation Research and Education (ITRE), North Carolina State University (NCSU), (VHB).

ArcGIS item properties
Name   BikePedLOILine
Location   file://\\DOT\DFSROOT01\GROUPS-GISCC\GIS-

SpatialDataMgmt\Metadata\Spot\BackupSchemaProd20231218\P7_Data.gdb
Access protocol   Local Area Network

Extents

Extent
Temporal extent
Date and time   2019-09-01   00:00:00

Extent
Geographic extent
Bounding rectangle
Extent type
Extent used for searching
West longitude   -83.506180
East longitude   -77.003623
North latitude   36.528822
South latitude   33.959418
Extent contains the resource   Yes

Extent in the item's coordinate system
westBL   674903.020694
eastBL   2586734.770185
southBL   105397.157510
northBL   1011424.509166
exTypeCode   Yes

Resource Points of Contact

Point of contact - point of contact
Contact's position   GIS Help Desk
Organization's name   North Carolina Department of Transportation Geographic Information Systems Unit

Contact information
Phone
Voice   919.707.2165
Fax   919.707.2210
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   gishelp@ncdot.gov
Hours of service
8am to 5pm, M-F

Contact instructions

Phone or e-mail

Resource Maintenance

Resource maintenance
Update frequency   as needed

Scope of the updates   dataset

Maintenance contact - originator
Organization's name   North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

Contact information
Phone
Voice   919.707.4742
Address
Type   postal
Delivery point   4101 Capital Blvd
City   Raleigh
Administrative area   NC
Postal code   27610
Country   US
e-mail address   spot@ncdot.gov
Contact instructions
Email

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 On!ine 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 On!ine application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT On!ine 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 On!ine, 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 On!ine 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 On!ine application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT On!ine 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 On!ine, 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 On!ine 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 On!ine application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT On!ine 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 On!ine, the user hereby acknowledges this statement.

Spatial Reference

ArcGIS coordinate system
Type   Projected
Geographic coordinate reference   GCS_North_American_1983
Projection   NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet
Coordinate reference details
ProjectedCoordinateSystem
WKID   102719
XOrigin   -121841900
YOrigin   -93659000
XYScale   3048.0060960121928
ZOrigin   0
ZScale   1
MOrigin   0
MScale   1
XYTolerance   0.0032808333333333331
ZTolerance   0.001
MTolerance   0.001
HighPrecision   true
LatestWKID   2264
WKT
PROJCS["NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwic

h",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["Fals
e_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-
79.0],PARAMETER["Standard_Parallel_1",34.33333333333334],PARAMETER["Standard_Parallel_2",36.1666
6666666666],PARAMETER["Latitude_Of_Origin",33.75],UNIT["Foot_US",0.3048006096012192],AUTHORITY[
"EPSG",2264]]

Reference system identifier
Value   2264
Codespace   EPSG
Version   6.12(9.0.0)

Spatial Data Properties

Vector
Level of topology for this dataset   geometry only

Geometric objects
Feature class name   BikePedLOILine
Object type   composite
Object count   36

ArcGIS Feature Class Properties
Feature class name   BikePedLOILine
Feature type   Simple
Geometry type   Polyline
Has topology   FALSE
Feature count   36
Spatial index   TRUE
Linear referencing   FALSE

Data Quality

Scope of quality information
Resource level   dataset

Scope extent
Description
The Bike/Pedestrian Locations of Interest- Lines were created to locate local transit routes for the interest of
bicycle and pedestrian users. This layer is intended to be used in the Prioritization 7.0 for the updated 2019
State Transportation Improvement Plan (STIP).

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

Lineage

Lineage statement

The composite selection of features were generated from general transit feed specification (GTFS) files provided by the Institute for Transportation Research (ITRE) and Education at North Carolina State University. 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

Data were generated from general transit feed specification (GTFS) files provided by the Institute for Transportation Research (ITRE) and Education at North Carolina State University.

Process contact - resource provider

Organization's name   North Carolina Department of Transportation Geographic Information Systems Unit

Contact's position   GIS Help Desk

Contact information
Phone
Voice   919.707.2165
Fax   919.707.2210
Address
Type   postal
Delivery point   4101 Capital Blvd
City   Raleigh
Administrative area   NC
Postal code   27610
Country   US
e-mail address   gishelp@ncdot.gov
Contact instructions
Phone or email

Process step

When the process occurred   2019-07-02   00:00:00
Description

The North Carolina Department of Transportation Geographic Information Systems Unit placed the data into ArcGIS 10.8 to process the desired product for the Strategic Prioritization Office of Transportation (SPOT).

Process step

When the process occurred   2019-07-02   00:00:00

Description

Metadata is updated for publication

Distribution

Distributor

Contact information - distributor

Contact's position   GIS Help Desk

Organization's name   North Carolina Department of Transportation Geographic Information Systems Unit

Contact information

Phone

Voice   919.707.2165

Fax   919.707.2210

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   gishelp@ncdot.gov

Hours of service

8am to 5pm, M-F

Contact instructions

Phone or e-mail

Distribution format

Version   ArcGIS 10.3

Name   File Geodatabase Feature Class

Fields

Details for object BikePedLOILine

Type   Feature Class

Row count   36

Definition

Linear features displaying Bike/Ped locations of interest.

Definition source

NCDOT

Field OBJECTID

Alias   OBJECTID

Data type   OID

Width   4

Precision   0

Scale   0

Field description

Internal feature number.

Description source

Esri

Description of values

Sequential unique whole numbers that are automatically generated.

Field 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 NAME

Alias   NAME

Data type   String

Width   100

Precision   0

Scale   0

Field description

Name of the transit system

Description source

NCDOT

Description of values

Name of transportation

Field CATEGORY

Alias   CATEGORY

Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description
Transit Route.

Description source
NCDOT

List of values
  Value 1
  Description Government Building
  Enumerated domain value definition source Code: LOI

  Value 4
  Description School
  Enumerated domain value definition source Code: LOI

  Value 5
  Description University/College
  Enumerated domain value definition source Code: LOI

  Value 6
  Description Park
  Enumerated domain value definition source Code: LOI

  Value 9
  Description Place of Worship
  Enumerated domain value definition source Code: LOI

  Value 3
  Description Transit Route
  Enumerated domain value definition source Code: LOI

  Value 7
  Description Medical Center
  Enumerated domain value definition source Code: LOI

  Value 8
  Description Tourist Destinations
  Enumerated domain value definition source Code: LOI

Description of values
Physical route

Field ShapeType

Alias   ShapeType
Data type   String
Width   10
Precision   0
Scale   0

Field description
Type of geometry.

Description source
NCDOT

Description of values
Point, line, or polygon

Field Shape_Length
Alias   Shape_Length
Data type   Double
Width   8
Precision   0
Scale   0

Field description
Length of feature in internal units.

Description source
Esri

Description of values
Positive real numbers that are automatically generated.

Metadata Details

Metadata language   English (UNITED STATES)
Metadata character set   utf8 - 8 bit UCS Transfer Format

Scope of the data described by the metadata   dataset
Scope name   dataset

Last update   2024-02-26

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   09:01:34
Last modified in ArcGIS for the item   2024-02-26   16:01:53

Automatic updates
Have been performed   Yes
Last update   2024-02-26   16:01:53

Metadata Contacts

Metadata contact - point of contact
Contact's position   GIS Help Desk
Organization's name   North Carolina Department of Transportation Geographic Information Systems Unit

Contact information
Phone
Voice   919.707.2165
Fax   919.707.2210
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   gishelp@ncdot.gov
Hours of service
8am to 5pm. M-F

Contact instructions
Phone or e-mail

Metadata Maintenance

Maintenance
Update frequency   annually

Scope of the updates   dataset

Maintenance contact - originator
Organization's name   North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

Contact information
Phone
Voice   919.707.4742
Address
Type   postal
Delivery point   4101 Capital Blvd
City   Raleigh
Administrative area   NC
Postal code   27610
Country   US

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 On!ine 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 On!ine application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT On!ine 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 On!ine, 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 On!ine 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 On!ine application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT On!ine 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 On!ine, 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 On!ine 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 On!ine application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT On!ine 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 On!ine, the user hereby acknowledges this statement.

Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file