Highway and Bike/Ped Projects Lines, North Carolina Department of Transportation, Prioritization 7.0, July 2023
Geodatabase Feature Class

Tags   Projects, Modes, Highway, Bike, Ped, Transportation, Strategic Prioritization Office of Transportation (SPOT), North Carolina Department of Transportation (NCDOT)

Summary

The purpose of this linear data is to display highway and bike/ped projects. These projects are scored for Prioritization 7.0.

Description

In 2013, the N.C. Board of Transportation adopted WalkBikeNC, a comprehensive statewide plan for improving bicycling and walking conditions across North Carolina. Focused on five main principles – mobility, safety, health, the economy and the environment. The N.C. Department of Transportation comparatively evaluates and ranks independent bicycle and pedestrian projects (shared-use paths, bike lanes, sidewalks, intersection improvements, etc.) that compete with projects from all other transportation modes. The Strategic Mobility Formula – a component of the Strategic Transportation Investments law that outlines the general structure of NCDOT's project prioritization process – includes three funding categories:

Statewide Mobility

Regional Impact

Division Needs

Bicycle and pedestrian projects are only eligible within the Division Needs category. Metropolitan planning organizations, rural planning organizations and NCDOT divisions may submit projects through the prioritization process. Coupled with highway projects, the Highway and Bike/Ped feature class is used to store linear Highway and Bike/Ped projects that are scored and considered for Prioritization 7.0. Projects are identified by SPOTID and include fields/information, such as Roadway Location Type, Deleted (Y/N), GroupID (Project Submitter ID), Project Status (Draft or Submitted), Mode, Type of User (the type of user who submitted project).

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 GIS Unit, Strategic Prioritization Office of Transportation (SPOT)

Use limitations

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

Extent

West   -84.393427
East   -75.424572
North   36.582497
South   33.774032

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   Projects, Modes, Highway, Bike, Ped, Transportation, Strategic Prioritization Office of Transportation (SPOT), North Carolina Department of Transportation (NCDOT)

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   Highway and Bike/Ped Projects Lines, North Carolina Department of Transportation, Prioritization 7.0, July 2023
Publication date   2019-09-01   00:00:00

Presentation formats   digital map

Citation Contacts

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

Contact information
Phone
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Type postal
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Postal code 27610
Country US
e-mail address spot@ncdot.gov
Hours of service
8am-5pm, M-F

Contact instructions
Phone or email

Responsible party - originator
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
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e-mail address gishelp@ncdot.gov
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8am-5pm, M-F

Contact instructions
Phone or email

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)

ArcGIS item properties
Name   Projects
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   -84.393427
East longitude   -75.424572
North latitude   36.582497
South latitude   33.774032
Extent contains the resource   Yes

Extent in the item's coordinate system
westBL   414588.410320
eastBL   3050425.937632
southBL   50426.106736
northBL   1030968.380128
exTypeCode   Yes

Resource Points of Contact

Point of contact - point of contact
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   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

Resource Maintenance

Resource maintenance
Update frequency   annually

Scope of the updates   dataset

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

Contact information
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Voice   919.707.4742
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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

Resource Constraints

Constraints
Limitations of use

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Legal constraints

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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
ProjectedCoordinateSystem

WKID   102719
XOrigin   -121841900
YOrigin   -93659000
XYScale   1893.9393939393938
ZOrigin   0
ZScale   1
MOrigin   -100000
MScale   10000000
XYTolerance   0.00528
ZTolerance   2
MTolerance   9.9999999999999995e-07
HighPrecision   true
LatestWKID   2264

VCSWKID   105703

LatestVCSWKID   6360

WKT

PROJCS["NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet",GEOGCS["GCS_North_American_1983",D
ATUM["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]],VERTCS["N
AVD_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)

Spatial Data Properties

Vector

Level of topology for this dataset   geometry only

Geometric objects

Feature class name   Projects

Object type   composite

Object count   9842

ArcGIS Feature Class Properties

Feature class name   Projects

Feature type   Simple

Geometry type   Polyline

Has topology   FALSE

Feature count   9842

Spatial index   TRUE

Linear referencing   TRUE

Data Quality

Scope of quality information

Resource level   dataset

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 data was prepared by the Strategic Prioritization Office of Transportation (SPOT) group. This data contains linear project spatial location. It is a feature class that contains carryover projects from past Prioritization cycle as well as new projects inputted into the SPOT On!ine user per Prioritization cycle. This data includes information such as the SPOTID, Roadway Location Type, Deleted (Y/N), GroupID (who submitted), Mode (Transportation type), and Project Statue (Draft/Submitted).

Process step
Description
Metadata is updated for publication

Process contact - processor
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   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

Process step
Description
Data is prepared by the Strategic Prioritization Office of Transportation (SPOT).

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

Contact information

Phone
Voice   919.707.4742

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e-mail address   spot@ncdot.gov

Hours of service
8am-5pm, M-F

Contact instructions
Phone or email

Distribution

Distributor

Contact information - distributor
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   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

Distribution format
Version   ArcGIS 10.3

Name   File Geodatabase Feature Class

Fields

Details for object Projects
Type   Feature Class

Row count   9842
Definition
Feature class displaying current highway and bike/ped projects.

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 SPOTID
Alias   SPOTID
Data type   String
Width   10
Precision   0
Scale   0

Field description
Gives the Strategic Prioritization Office of Transportation (SPOT) Identification number that is designated to a specific project.

Description source
NCDOT GIS

Field RoadwayLocationType
Alias   RoadwayLocationType
Data type   SmallInteger
Width   2
Precision   0
Scale   0

Field description
Field describing the location of the roadway.

Description source
NCDOT GIS

List of values
Value   Existing
Description   Project is Existing and on system
Enumerated domain value definition source   Valid Roadway Location Type

Value   New
Description   Project is New and off system
Enumerated domain value definition source   Valid Roadway Location Type

Value   Parallel
Description   Project roadway selected is parallel for SIT's 5 and 6 for data
Enumerated domain value definition source   Valid Roadway Location Type

Description of values
Road type

Field Deleted
Alias   Deleted
Data type   SmallInteger
Width   2
Precision   0
Scale   0

Field description
Field to designate if project was deleted or not

Description source
NCDOT GIS

List of values
Value   N
Description   Project was not deleted
Enumerated domain value definition source   P7 Valid Type

Value   Y
Description   Project was deleted
Enumerated domain value definition source   P7 Valid Type

Field GroupID
Alias   GroupID
Data type   SmallInteger
Width   2
Precision   0
Scale   0

Field description

Field to determine numeric ID of group who submitted project and cooresponds to the field TypeofUser. The combination provides the identity of who submitted the project ie Division, MPO, or RPO user.

Description source

NCDOT GIS

Field ProjectStatus

Alias   ProjectStatus
Data type   SmallInteger
Width   2
Precision   0
Scale   0

Field description

Field to define status of project

Description source

NCDOT GIS

List of values

Value   Draft
Description   Project Status Draft
Enumerated domain value definition source   Valid Project Status

Value   Submitted
Description   Project status Submitted
Enumerated domain value definition source   Valid Project Status

Description of values

Project status

Field Mode

Alias   Mode
Data type   SmallInteger
Width   2
Precision   0
Scale   0

Field description

The mode describes the defined transportation for this project.

Description source

NCDOT GIS

List of values

Value   Unassigned
Description   Unassigned
Enumerated domain value definition source   Valid Mode Type

Value   Highway
Description   Highway
Enumerated domain value definition source   Valid Mode Type

Value   Bicycle & Pedestrian
Description   Bicycle & Pedestrian
Enumerated domain value definition source   Valid Mode Type

Value   Rail
Description   Rail
Enumerated domain value definition source   Valid Mode Type

Value   Aviation
Description   Aviation
Enumerated domain value definition source   Valid Mode Type

Value   Ferry
Description   Ferry
Enumerated domain value definition source   Valid Mode Type

Value   Public Transit
Description   Public Transit
Enumerated domain value definition source   Valid Mode Type

Value   All
Description   All
Enumerated domain value definition source   Valid Mode Type

Value   NA
Description   NA
Enumerated domain value definition source   Valid Mode Type

Description of values
Mode

Field TypeOfUser
Alias   TypeOfUser
Data type   SmallInteger
Width   2
Precision   0
Scale   0

Field description
Field to define the type of user that submitted project. The user is either Division, RPO, or MPO

Description source
NCDOT GIS

List of values
    Value   MPO
    Description   MPO
    Enumerated domain value definition source   Valid User Type

    Value   RPO
    Description   RPO
    Enumerated domain value definition source   Valid User Type

    Value   Division
    Description   Division
    Enumerated domain value definition source   Valid User Type

    Value   Mode
    Description   Mode
    Enumerated domain value definition source   Valid User Type

    Value   Spot
    Description   Spot
    Enumerated domain value definition source   Valid User Type

Field IntrsctnNbr
Alias   IntrsctnNbr
Data type   SmallInteger
Width   2
Precision   0
Scale   0

Field description
Field used for two specific improvement types (SIT) to determine geoprocessing business rules.

Description source
NCDOT GIS

Field ProjectCategory
Alias   Project Category
Data type   SmallInteger
Width   2
Precision   0
Scale   0

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 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)

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   09:01:23
Last modified in ArcGIS for the item   2024-02-26   17:06:29

Automatic updates
Have been performed   Yes

Last update   2024-02-26   17:06:29

Metadata Contacts

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

Contact information
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Voice   919.707.2165
Fax   919.707.2210
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Type   postal
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City   Raleigh
Administrative area   NC
Postal code   27610
e-mail address   gishelp@ncdot.gov
Hours of service
8am-5pm, M-F

Contact instructions
Phone or email

Metadata Maintenance

Maintenance
Update frequency   annually

Scope of the updates   dataset

Maintenance contact - point of contact
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
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Administrative area   NC
Postal code   27610
e-mail address   gishelp@ncdot.gov
Hours of service

8am-5pm, M-F

Contact instructions
Phone or email

Metadata Constraints

Constraints
Limitations of use

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Security constraints
Classification   unclassified
Classification system   none

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Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file