

Geometric LrsArcs Common, 1st Quarter 2026 - NC Department of Transportation

Geodatabase Feature Class



Tags Highways, US, North Carolina, County, State maintained roads, Primary, Transportation, Major Roads, Streets, NC, SR, Roads, Interstate, Secondary

Summary

This dataset provides a subset of segment route information for intersections located on local and state-maintained routes in North Carolina. The data serves the web-enabled Geometric Reporter application built by the NCDIT-T GIS Unit Application Services Team, that enables users to return specified subsets of the data based on custom filters.

Production website : <https://gis11.services.ncdot.gov/geometricreport/index.html>

This dataset is a derivative product of NCRouteArcs, which is updated quarterly in support of Highway Performance Monitoring System (HPMS) reporting.

Description

This dataset includes the following subset of dominant route information for local and state-maintained route intersections: county location, route classification, route qualification, and from- and to- measures between intersection points and co-routes present (if applicable).

Credits

Spatial Data Management Group - data compilation

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.

Extent

There is no extent for this item.

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

Export to FGDC CSDGM XML format as Resource Description No

Other keywords Highways, US, North Carolina, County, State maintained roads, Primary, Transportation, Major Roads, Streets, NC, SR, Roads, Interstate, Secondary

Citation

Title Geometric LrsArcs Common, 1st Quarter 2026 - NC Department of Transportation

Publication date 2026-05-04 00:00:00

Presentation formats digital table

Citation Contacts

Responsible party - originator

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

Contact's position GIS Help Desk

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Country US

e-mail address gishelp@ncdot.gov

Hours of service

8am to 5pm, M-F

Contact instructions

Phone or e-mail.

Responsible party - point of contact

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Responsible party - resource provider

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Contact's position GIS Help Desk

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Resource Details

Dataset languages English (UNITED STATES)

Dataset character set utf8 - 8 bit UCS Transfer Format

Status on-going

Spatial representation type text table

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

Credits

Spatial Data Management Group - data compilation

Resource Points of Contact

Point of contact - point of contact

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

Contact's position GIS Help Desk

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Contact instructions

Phone or e-mail.

Resource Maintenance

Resource maintenance

Update frequency quarterly

Maintenance contact - point of contact

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

Contact's position GIS Help Desk

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Resource Constraints

Legal constraints

Limitations of use

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Security constraints

Classification unclassified

Classification system None

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Data Quality

Scope of quality information

Resource level dataset

Lineage

Process step

Description

Compile data and prep for app

Process contact - processor

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

Contact's position GIS Help Desk

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Phone

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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

Distribution format

Version 10.8.1

Name File Geodatabase Table

Fields

Details for object GeometricLrsArcsCommon

Type Table

Row count 896825

Definition

Table Data

Definition source

ESRI

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 LocCntyCode

Alias LocCntyCode

Data type String

Width 4

Precision 0

Scale 0

Field description

County Identifier where the route segment resides. Values range between 001 and 100

Description source

NCDOT GIS

Range of values

Minimum value 001

Maximum value 100

Field RouteID

Alias RouteID

Data type String

Width 15

Precision 0

Scale 0

Field description

Eleven digit code describing the dominant route. Built by concatenation of these fields: "RouteClass", "RouteQualifier", "RouteInventory", "RouteNumber", "MaintCntyCode".

Description source

NCDOT GIS

Description of values

Values vary.

Field BeginMp1

Alias BeginMp1

Data type Double

Width 8

Precision 0

Scale 0

Field description

Begin milepost value for the route segment

Description source

NCDOT GIS

Description of values

Values vary.

Field RouteName

Alias RouteName

Data type String

Width 20

Precision 0

Scale 0

Field description

Route Name is a text representation of the dominant route number.

Description source

NCDOT GIS

Description of values

Values vary.

Field Route4

Alias Route4

Data type String

Width 15

Precision 0

Scale 0

Field description

Eleven digit code describing the co-route. Built by concatenation of these fields:
"Route4Class","Route4Qualifier","Route4Inventory","Route4Number","MaintCntyCode".

Description source

NCDOT GIS

Description of values

Values vary.

Field Route5

Alias Route5

Data type String

Width 15

Precision 0

Scale 0

Field description

Eleven digit code describing the co-route. Built by concatenation of these fields:
"Route5Class","Route5Qualifier","Route5Inventory","Route5Number","MaintCntyCode".

Description source

NCDOT GIS

Description of values

Values vary.

Field Route3

Alias Route3

Data type String

Width 15

Precision 0

Scale 0

Field description

Eleven digit code describing the co-route. Built by concatenation of these fields:
"Route3Class", "Route3Qualifier", "Route3Inventory", "Route3Number", "MaintCntyCode".

Description source

NCDOT GIS

Description of values

Values vary.

Field EndMp1

Alias EndMp1

Data type Double

Width 8

Precision 0

Scale 0

Field description

End milepost value for the route segment

Description source

NCDOT GIS

Description of values

Values vary.

Field MaintCntyCode

Alias MaintCntyCode

Data type String

Width 3

Precision 0

Scale 0

Field description

County Identifier maintaining the route segment with values ranging between 001 and 100

Description source

NCDOT GIS

Range of values

Minimum value 001

Maximum value 100

Field Route6

Alias Route6

Data type String

Width 15

Precision 0

Scale 0

Field description

Eleven digit code describing the co-route. Built by concatenation of these fields:

"Route6Class","Route6Qualifier","Route6Inventory","Route6Number","MaintCntyCode".

Description source

NCDOT GIS

Description of values

Values vary.

Field Route2

Alias Route2

Data type String

Width 15

Precision 0

Scale 0

Field description

Eleven digit code describing the co-route. Built by concatenation of these fields:

"Route2Class","Route2Qualifier","Route2Inventory","Route2Number","MaintCntyCode".

Description source

NCDOT GIS

Description of values

Values vary.

Field BeginFeatureID

Alias BeginFeatureID

Data type String

Width 20

Precision 0

Scale 0

Field description

Route , County or State Identifier intersecting RouteID located at Begin milepost value

Description source

NCDOT GIS

Description of values

Values vary.

Field EndFeatureID

Alias EndFeatureID

Data type String

Width 20

Precision 0

Scale 0

Field description

Route , County or State Identifier intersecting RouteID located at End milepost value

Description source

NCDOT GIS

Description of values

Values vary.

Field MPLength

Alias MPLength

Data type Double

Width 8

Precision 0

Scale 0

Field description

Segment length calculated from LIDAR data

Description source

NCDOT GIS

Description of values

Values vary.

Metadata Details

Metadata language English (UNITED STATES)

Metadata character set utf8 - 8 bit UCS Transfer Format

Scope of the data described by the metadata non-geographic dataset

Scope name dataset

Last update 2026-04-22

ArcGIS metadata properties

Metadata format ArcGIS 1.0

Metadata style ISO 19139 Metadata Implementation Specification

Standard or profile used to edit metadata ISO19139

Created in ArcGIS for the item 2026-04-15 13:50:10

Last modified in ArcGIS for the item 2026-04-22 10:06:57

Automatic updates

Have been performed Yes

Last update 2026-04-22 10:01:35

Metadata Contacts

Metadata contact - point of contact

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

Contact's position GIS Help Desk

Contact information

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Contact instructions

Phone or e-mail.

Metadata Maintenance

Maintenance

Update frequency quarterly

Maintenance contact - point of contact

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Metadata Constraints

Legal constraints

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Classification system None

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Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file