

# Geometric LrsArcs Common, 4th Quarter 2025 - 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

<b>Maximum (zoomed in)</b>	1:5,000
<b>Minimum (zoomed out)</b>	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, 4th Quarter 2025 - NC Department of Transportation

**Publication date** 2026-02-23 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

### Contact information

#### Phone

**Voice** 919.707.2165

**Fax** 919.707.2210

#### Address

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** North Carolina

**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.

### Responsible party - 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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## Responsible party - resource provider

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

**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

## 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

#### Contact information

##### Phone

**Voice** 919.707.2165

**Fax** 919.707.2210

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**e-mail address** gishelp@ncdot.gov  
**Hours of service**  
8am to 5pm, M-F

**Contact instructions**  
Phone or e-mail.

## 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

### Contact information

#### Phone

**Voice** 919.707.2165

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### 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** 894446

#### 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 RouteID 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 RouteID 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 MLength

**Alias** MLength

**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** 2026-01-30

## 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** 2026-01-27 11:14:35

**Last modified in ArcGIS for the item** 2026-01-30 14:28:10

## Automatic updates

**Have been performed** Yes

**Last update** 2026-01-30 14:24:26

## 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

#### Phone

**Voice** 919.707.2165

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8am to 5pm, M-F

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Phone or e-mail.

## Metadata Maintenance

### Maintenance

**Update frequency** quarterly

### Maintenance contact - point of contact

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**Classification system** None

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## Thumbnail and Enclosures

### Thumbnail

#### Thumbnail type

Image file