

# Geometric LrsArcs Common, 1st Quarter 2025 - NC Department of Transportation

File Geodatabase Table



## 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://gis13.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

ArcGIS Metadata ►

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

[Hide Topics and Keywords ▲](#)

## Citation ►

TITLE   Geometric LrsArcs Common, 1st Quarter 2025 - NC Department of Transportation  
PUBLICATION DATE   2025-06-09   00:00:00

PRESENTATION FORMATS   digital table

[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 ►

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COUNTRY   US  
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#### HOURS OF SERVICE

8am to 5pm, M-F

#### CONTACT INSTRUCTIONS

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### RESPONSIBLE PARTY

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

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#### RESPONSIBLE PARTY

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit  
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CONTACT'S ROLE resource provider

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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

#### ARCGIS ITEM PROPERTIES

\* NAME GeometricLrsArcsCommon

[Hide Resource Details ▲](#)

## 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

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[Hide Resource Points of Contact ▲](#)

## Resource Maintenance ►

### RESOURCE MAINTENANCE

UPDATE FREQUENCY quarterly

### MAINTENANCE 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

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[Hide Resource Maintenance ▲](#)

## Resource Constraints ►

### LEGAL CONSTRAINTS

#### LIMITATIONS OF USE

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### SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

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[Hide Resource Constraints ▲](#)

## Data Quality ►

### SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL dataset

[Hide Scope of quality information ▲](#)

[Hide Data Quality ▲](#)

## Lineage ►

### PROCESS STEP ►

#### DESCRIPTION

Compile data and prep for app

### PROCESS CONTACT

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

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE   processor

CONTACT INFORMATION ▶

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Phone or e-mail.

*Hide Contact information ▲*

*Hide Process step ▲*

*Hide Lineage ▲*

Distribution ▶

DISTRIBUTION FORMAT

VERSION   10.8.1

\* NAME   File Geodatabase Table

*Hide Distribution ▲*

Fields ▶

DETAILS FOR OBJECT **GeometricLrsArcsCommon** ▶

\* TYPE   Table

\* ROW COUNT   893337

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.

*Hide Field OBJECTID ▲*

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

*Hide Field LocCntyCode ▲*

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.

*Hide Field RouteID ▲*

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.

*Hide Field BeginMp1 ▲*

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.

*Hide Field RouteName ▲*

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.

*Hide Field Route4 ▲*

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.

*Hide Field Route5 ▲*

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.

*Hide Field Route3 ▲*

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.

*Hide Field EndMp1 ▲*

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

[Hide Field MaintCntyCode ▲](#)

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.

[Hide Field Route6 ▲](#)

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.

[Hide Field Route2 ▲](#)

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.

*Hide Field BeginFeatureID ▲*

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.

*Hide Field EndFeatureID ▲*

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.

*Hide Field MLength ▲*

*Hide Details for object GeometricLrsArcsCommon ▲*

*Hide Fields ▲*

## 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 2025-05-13

### 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 2025-05-12 20:12:46  
LAST MODIFIED IN ARCGIS FOR THE ITEM 2025-05-13 10:36:05

### AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes  
LAST UPDATE 2025-05-13 10:36:05

[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

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8am to 5pm, M-F

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Phone or e-mail.

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[Hide Metadata Contacts ▲](#)

## Metadata Maintenance ►

### MAINTENANCE

UPDATE FREQUENCY quarterly

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CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

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