

# Geometric LrsArcs Common, 1st Quarter 2024 - 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 2024 - NC Department of Transportation  
PUBLICATION DATE 2024-02-12 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 ►

#### PHONE

VOICE 919.707.2165  
FAX 919.707.2210

#### ADDRESS

##### TYPE

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](mailto:gishelp@ncdot.gov)

#### HOURS OF SERVICE

8am to 5pm, M-F

#### CONTACT INSTRUCTIONS

Phone or e-mail.

[Hide Contact information ▲](#)

### 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

### CONTACT INFORMATION ►

#### PHONE

VOICE 919.707.2165  
FAX 919.707.2210

#### ADDRESS

##### TYPE

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](mailto:gishelp@ncdot.gov)

HOURS OF SERVICE  
8am to 5pm, M-F

CONTACT INSTRUCTIONS  
Phone or e-mail.

[Hide Contact information ▲](#)

#### RESPONSIBLE PARTY

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

#### CONTACT INFORMATION ►

PHONE  
VOICE 919.707.2165  
FAX 919.707.2210

#### ADDRESS

TYPE  
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](mailto:gishelp@ncdot.gov)

HOURS OF SERVICE  
8am to 5pm, M-F

CONTACT INSTRUCTIONS  
Phone or e-mail.

[Hide Contact information ▲](#)

[Hide Citation Contacts ▲](#)

## 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

[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

CONTACT INFORMATION ▶

PHONE

VOICE 919.707.2165

FAX 919.707.2210

ADDRESS

TYPE

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](mailto:gishelp@ncdot.gov)

HOURS OF SERVICE

8am to 5pm, M-F

CONTACT INSTRUCTIONS

Phone or e-mail.

*Hide Contact information ▲*

*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

CONTACT INFORMATION ▶

PHONE

VOICE 919.707.2165

FAX 919.707.2210

ADDRESS

TYPE

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](mailto:gishelp@ncdot.gov)

HOURS OF SERVICE

8am to 5pm, M-F

CONTACT INSTRUCTIONS

Phone or e-mail.

*Hide Contact information ▲*

[Hide Resource Maintenance](#) ▲

## Resource Constraints ►

### LEGAL 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.

### 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.

### 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.

[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 ►

PHONE

VOICE 919.707.2165

FAX 919.707.2210

ADDRESS

TYPE

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](mailto:gishelp@ncdot.gov)

HOURS OF SERVICE

8am to 5pm, M-F

CONTACT INSTRUCTIONS

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 873944

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 2024-02-02

ARCGIS METADATA PROPERTIES  
METADATA FORMAT ArcGIS 1.0  
STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2024-02-02 11:07:12  
LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-02-02 11:20:09

AUTOMATIC UPDATES  
HAVE BEEN PERFORMED Yes  
LAST UPDATE 2024-02-02 11:20:09

[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

### CONTACT INFORMATION ►

PHONE  
VOICE 919.707.2165  
FAX 919.707.2210

ADDRESS  
TYPE  
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](mailto:gishelp@ncdot.gov)

HOURS OF SERVICE  
8am to 5pm, M-F

CONTACT INSTRUCTIONS  
Phone or e-mail.

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

## Metadata Maintenance ►

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

CONTACT INFORMATION ►

PHONE

VOICE 919.707.2165

FAX 919.707.2210

ADDRESS

TYPE

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](mailto:gishelp@ncdot.gov)

HOURS OF SERVICE

8am to 5pm, M-F

CONTACT INSTRUCTIONS

Phone or e-mail.

[Hide Contact information ▲](#)

[Hide Metadata Maintenance ▲](#)

## Metadata Constraints ►

### LEGAL 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.

### 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.

### 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.

[Hide Metadata Constraints ▲](#)