

Geometric LrsArcs Common, 2nd 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

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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, 2nd Quarter 2025 - NC Department of Transportation
PUBLICATION DATE 2025-08-11 00:00:00

PRESENTATION FORMATS digital table

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY

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CONTACT'S POSITION GIS Help Desk
CONTACT'S ROLE originator

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COUNTRY US
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HOURS OF SERVICE

8am to 5pm, M-F

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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

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[Hide Resource Points of Contact ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY quarterly

MAINTENANCE CONTACT

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Resource Constraints ►

LEGAL CONSTRAINTS

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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

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CONTACT'S ROLE processor

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CONTACT INSTRUCTIONS

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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 894658

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 2025-07-21

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 2025-07-21 12:17:27
LAST MODIFIED IN ARCGIS FOR THE ITEM 2025-07-21 14:59:09

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2025-07-21 14:59:09

[Hide Metadata Details ▲](#)

Metadata Contacts ►

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Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY quarterly

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CLASSIFICATION SYSTEM None

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