

Geometric Route and Boundary Intersections, 2nd Quarter 2025 - NC Department of Transportation

File Geodatabase Table



Tags

Highways, US, County, State maintained roads, Primary, Transportation, NC, Local 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. Intersections in this dataset are defined as junctions a route has with other routes or other boundaries (state/county/municipal). 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 a subset of information for local and state-maintained route intersections where intersections are defined as junctions with other routes or with state/county/municipal boundaries. Specific information including the route or type of boundary the dominant route intersects with as well as the measurement between intersection points and respective routes/boundaries are included.

Credits

Spatial Data Management Group - compile data.

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

THEME KEYWORDS Highways, US, County, State maintained roads, Primary, Transportation, NC, Local roads, Interstate, Secondary

[Hide Topics and Keywords ▲](#)

Citation ►

TITLE Geometric Route and Boundary Intersections, 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

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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HOURS OF SERVICE

8am to 5pm, M-F

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CONTACT'S ROLE point of contact

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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

SPATIAL REPRESENTATION TYPE * text table

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

CREDITS

Spatial Data Management Group - compile data.

[Hide Resource Details ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

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Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY quarterly

MAINTENANCE CONTACT

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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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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 application

PROCESS CONTACT

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

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE processor

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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 [GeometricRteBndryIntersections ►](#)

* TYPE Table

* ROW COUNT 2535673

DEFINITION

Intersections

DEFINITION SOURCE

NCDOT GIS

FIELD [RouteName ►](#)

* ALIAS RouteName

* DATA TYPE String

* WIDTH 41

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Route, County or State identifier intersecting with RouteID

DESCRIPTION SOURCE

NCDOT GIS

DESCRIPTION OF VALUES

Values vary.

[Hide Field RouteName ▲](#)

FIELD [measure ►](#)

* ALIAS measure

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

RouteID Measure where intersection occurs

DESCRIPTION SOURCE

NCDOT GIS

DESCRIPTION OF VALUES

Values vary.

Hide Field measure ▲

FIELD **intersection** ►

* ALIAS intersection

* DATA TYPE String

* WIDTH 30

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Representation of Intersecting Route

DESCRIPTION SOURCE

NCDOT GIS

DESCRIPTION OF VALUES

Values vary.

Hide Field intersection ▲

FIELD **OrderNbr** ►

* ALIAS OrderNbr

* DATA TYPE String

* WIDTH 5

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Dominance Rank of Intersections at a specific measure for a specific RouteID

DESCRIPTION SOURCE

NCDOT GIS

DESCRIPTION OF VALUES

Values vary.

Hide Field OrderNbr ▲

FIELD **routeid** ►

* ALIAS routeid

* DATA TYPE String

* WIDTH 11

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Route Identifier, dominant route.

DESCRIPTION SOURCE
NCDOT GIS

DESCRIPTION OF VALUES
Values vary.

Hide Field routeid ▲

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 ▲

Hide Details for object GeometricRteBndryIntersections ▲

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 12:27:03
LAST MODIFIED IN ARCGIS FOR THE ITEM 2025-07-21 15:02:07

AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2025-07-21 15:01:52

Hide Metadata Details ▲

Metadata Contacts ►

METADATA CONTACT

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Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY quarterly

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Metadata Constraints ►

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