

Geometric Route and Boundary Intersections, 2nd Quarter 2026 - NC

Department of Transportation

Geodatabase Feature Class



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://gis11.services.ncdot.gov/geometricreporter/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

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

Citation

Title Geometric Route and Boundary Intersections, 2nd Quarter 2026 - NC Department of Transportation

Publication date 2026-08-03 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

Responsible party - 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

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

Responsible party - resource provider

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

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.

ArcGIS item properties

Name GeometricRteBndryIntersections

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

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

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

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

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.

Data Quality

Scope of quality information

Resource level dataset

Lineage

Process step

Description

Compile data and prep for application

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

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

Distribution

Distribution format

Version 10.8.1

Name File Geodatabase Table

Fields

Details for object GeometricRteBndryIntersections

Type Table

Row count 2545599

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.

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.

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.

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.

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.

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.

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 2026-07-21

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 2026-07-14 12:01:48
Last modified in ArcGIS for the item 2026-07-21 14:49:35

Automatic updates
Have been performed Yes
Last update 2026-07-21 14:49:16

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
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

Metadata Maintenance

Maintenance

Update frequency quarterly

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.

Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file