

# North Carolina Division Boundaries, North Carolina Department of Transportation, Prioritization 7.0, July 2023

## Geodatabase Feature Class



**Tags** North Carolina, Boundary, County, County, Division, DOT Division, Boundaries, Prioritization 7.0 (P7), Strategic Prioritization Office of Transportation (SPOT), North Carolina Department of Transportation (NCDOT)

### Summary

North Carolina is divided into 14 regions - referred to as highway divisions - in which the N.C. Department of Transportation's Division of Highways distributes the duties of building and maintaining state-owned bridges and highways. This feature class allows 14 division polygons to be symbolized.

### Description

Feature class representing the 14 DOT division boundaries in North Carolina. Most boundaries are derived from the DOT county maps which originally come from U.S. Geological Survey (USGS) but might have been updated by the county parcel maps. For the purposes of the Strategic Planning Office of Transportation Prioritization 7.0 project, data is not updated after July 2023.

For further information about domains and fields used in SPOT see the SPOT P7 Domains document here:

<https://xfer.services.ncdot.gov/gisdot/metadata/spot/NCDOT%20SPOT%20Prioritization%207%20Online%20Domain%20Reference.pdf>

### Credits

North Carolina Geodetic Survey, North Carolina Department of Transportation (NCDOT), North Carolina Department of Information Technology (NCDIT-T)

### 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.

SPOT On!ine is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either generated by the SPOT On!ine application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT On!ine project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT Online, the user hereby acknowledges this statement.

### Extent

**West** -84.422109

**East** -75.416032  
**North** 36.617254  
**South** 33.730554

## Scale Range

**Maximum (zoomed in)** 1:5,000  
**Minimum (zoomed out)** 1:150,000,000

## Topics and Keywords

**Themes or categories of the resource** Planning & Cadastral, Boundaries

**Content type** Downloadable Data

**Theme keywords** North Carolina, Boundary, County, County, Division, DOT Division, Boundaries, Prioritization 7.0 (P7), Strategic Prioritization Office of Transportation (SPOT), North Carolina Department of Transportation

### Thesaurus

**Title** User  
**Publication date** 2023-07-17 00:00:00

**Place keywords** North Carolina

### Thesaurus

**Title** User  
**Publication date** 2023-07-17 00:00:00

**Other keywords** County Boundary, North Carolina, State Boundary

## Citation

**Title** North Carolina Division Boundaries, North Carolina Department of Transportation, Prioritization 7.0, July 2023  
**Publication date** 2023-07-17 00:00:00

**Presentation formats** digital map

## Citation Contacts

### Responsible party - resource provider

**Organization's name** North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

### Contact information

**Phone**  
**Voice** 919.707.4742

**Address**  
**Type** postal  
**Delivery point** Century Center Building B, 1020 Birch Ridge Drive  
**City** Raleigh  
**Administrative area** NC

**Postal code** 27610  
**Country** US  
**e-mail address** spot@ncdot.gov  
**Hours of service**  
8am-5pm, M-F

### Contact instructions

Phone or email

## 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

**Type** postal

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** NC

**Postal code** 27610

**Country** US

**e-mail address** gishelp@ncdot.gov

#### Hours of service

8am-5pm, M-F

### Contact instructions

Phone or email

## Resource Details

**Dataset languages** English (UNITED STATES)

**Dataset character set** utf8 - 8 bit UCS Transfer Format

**Spatial representation type** vector

**Processing environment** Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

### Credits

North Carolina Geodetic Survey, North Carolina Department of Transportation (NCDOT), North Carolina Department of Information Technology (NCDIT-T)

## ArcGIS item properties

**Name** DOTDivisionBoundary

**Size** 3.688

**Location** file://\\DOT\DFSROOT01\GROUPS-GISCC\GIS-

SpatialDataMgmt\Metadata\Spot\BackupSchemaProd20231218\P7\_Data.gdb

**Access protocol** Local Area Network

## Extents

### Extent

#### Geographic extent

##### Bounding rectangle

**West longitude** -84.422111

**East longitude** -75.416034

**South latitude** 33.730557

**North latitude** 36.617257

**Extent contains the resource** Yes

#### Temporal extent

**Date and time** 2019-09-01 00:00:00

### Extent

#### Geographic extent

##### Bounding rectangle

##### Extent type

Extent used for searching

**West longitude** -84.422109

**East longitude** -75.416032

**North latitude** 36.617254

**South latitude** 33.730554

**Extent contains the resource** Yes

#### Extent in the item's coordinate system

**westBL** 406832.628358

**eastBL** 3052480.022092

**southBL** 34987.950232

**northBL** 1043624.415895

**exTypeCode** Yes

## Resource Points of Contact

### Point of contact - point of contact

**Organization's name** North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

#### Contact information

##### Phone

**Voice** 919.707.4742

##### Address

**Type** postal

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** NC

**Postal code** 27610  
**Country** US  
**e-mail address** spot@ncdot.gov  
**Hours of service**  
8am-5pm, M-F

### Contact instructions

Phone or email

## Resource Maintenance

### Resource maintenance

**Update frequency** annually

**Scope of the updates** dataset

### Maintenance contact - point of contact

**Organization's name** North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

### Contact information

#### Phone

**Voice** 919.707.4742

#### Address

**Type** postal

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** NC

**Postal code** 27610

**Country** US

**e-mail address** spot@ncdot.gov

#### Hours of service

8am-5pm, M-F

### Contact instructions

Phone or email

## Resource Constraints

### 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.

SPOT Online is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either generated by the SPOT Online application or provided by the user, are only intended for use in the Department's

Strategic Prioritization Process. All SPOT Online project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT Online, the user hereby acknowledges this statement.

## Legal constraints

### Limitations of use

The North Carolina Department of Transportation shall not be held liable for any errors in this metadata. 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.

SPOT Online is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either generated by the SPOT Online application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT Online project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT Online, the user hereby acknowledges this statement.

## 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.

SPOT Online is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either generated by the SPOT Online application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT Online project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT Online, the user hereby acknowledges this statement.

## Spatial Reference

### ArcGIS coordinate system

**Type** Projected

**Geographic coordinate reference** GCS\_North\_American\_1983

**Projection** NAD\_1983\_StatePlane\_North\_Carolina\_FIPS\_3200\_Feet

### Coordinate reference details

**ProjectedCoordinateSystem**

**WKID** 102719

**XOrigin** -121841900

**YOrigin** -93659000

**XYScale** 3048.0060960121918

**ZOrigin** 0

**ZScale** 1

**MOrigin** 0  
**MScale** 1  
**XYTolerance** 0.0032808333333333331  
**ZTolerance** 0.001  
**MTolerance** 0.001  
**HighPrecision** true  
**LatestWKID** 2264  
**WKT**

```
PROJCS["NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-79.0],PARAMETER["Standard_Parallel_1",34.33333333333334],PARAMETER["Standard_Parallel_2",36.16666666666666],PARAMETER["Latitude_Of_Origin",33.75],UNIT["Foot_US",0.3048006096012192],AUTHORITY["EPSG",2264]]
```

## Reference system identifier

**Value** 0  
**Codespace** EPSG  
**Version** 6.12(9.0.0)

## Spatial Data Properties

### Vector

**Level of topology for this dataset** geometry only

### Geometric objects

**Feature class name** DOTDivisionBoundary  
**Object type** composite  
**Object count** 14

### ArcGIS Feature Class Properties

**Feature class name** DOTDivisionBoundary  
**Feature type** Simple  
**Geometry type** Polygon  
**Has topology** FALSE  
**Feature count** 14  
**Spatial index** TRUE  
**Linear referencing** FALSE

## Data Quality

### Scope of quality information

**Resource level** dataset

### Data quality report - Conceptual consistency

#### Conformance test results

**Test passed** Yes  
**Result explanation**

The dataset is converted to file geodatabase (FGDB) format using tools in ArcGIS. Quality checks were performed by the Strategic Prioritization Office of Transportation (SPOT) and the North Carolina Department of Transportation Geographic Information Systems Unit and errors were accepted as within business range or identified as exceptions.

## Product specification

**Title** NCDOT Geospatial Data Specifications

**Publication date** 2023-07-17 00:00:00

## Lineage

### Lineage statement

Original map provided by North Carolina Division of Transportation. The data were further manipulated by the North Carolina Department of Transportation Geographic Information Systems Unit and/or the North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT) to produce the required data for Prioritization 7.0.

### Process step

#### Description

Metadata is updated for publication

### 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

**Type** postal

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** NC

**Postal code** 27610

**Country** US

**e-mail address** gishelp@ncdot.gov

#### Hours of service

8am-5pm, M-F

### Contact instructions

Phone or email

### Process step

#### Description

Using the AutoCAD with the AutoCAD map file that had the most up to date linework a Topology was created that easily exports into a polygon shapefile.

## Rationale

Division survey data was drawn as lines in AutoCAD and they needed to be converted into polygons.

## 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

**Type** postal

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** NC

**Postal code** 27610

**Country** US

**e-mail address** gishelp@ncdot.gov

#### Hours of service

8am-5pm, M-F

### Contact instructions

Phone or email

## Process step

### Description

Added object data to county polygons.

## Rationale

County polygons needed to have attribute data.

## 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

**Type** postal

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** NC  
**Postal code** 27610  
**Country** US  
**e-mail address** gishelp@ncdot.gov  
**Hours of service**  
8am-5pm, M-F

### Contact instructions

Phone or email

## Source data

### Description

North Carolina Division of Transportation

## Distribution

### Distributor

#### Contact information - distributor

**Organization's name** North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

#### Contact information

##### Phone

**Voice** 919.707.4742

##### Address

**Type** postal

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** NC

**Postal code** 27610

**Country** US

**e-mail address** spot@ncdot.gov

##### Hours of service

8am-5pm, M-F

### Contact instructions

Phone or email

## Distribution format

**Version** ArcGIS 10.3

**Name** File Geodatabase Feature Class

## Transfer options

**Transfer size** 9.911

## Transfer options

**Online source**

**Online location (URL)** <https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx>

## Fields

### Details for object DOTDivisionBoundary

**Type** Feature Class

**Row count** 14

**Definition source**

NCDOT

### Definition

A visualization of the 14 regions in which NCDOT divides the duties of building and maintaining bridges and highways across the state

### 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.

### Field Shape\_Area

**Alias** Shape\_Area

**Data type** Double

**Width** 8

**Precision** 0

**Scale** 0

### Field description

Area of feature in internal units squared.

### Description source

ESRI

### Description of values

Positive real numbers that are automatically generated.

### Field DIVISION\_NUM

**Alias** DIVISION\_NUM  
**Data type** SmallInteger  
**Width** 2  
**Precision** 0  
**Scale** 0

### Field description

Division Number

### Description source

NCDOT

### Description of values

No domain

## Field DIVISION\_NAME

**Alias** DIVISION\_NAME  
**Data type** String  
**Width** 14  
**Precision** 0  
**Scale** 0

### Field description

Division Name

### Description source

NCDOT

### Description of values

No domain

## Field Shape\_Length

**Alias** Shape\_Length  
**Data type** Double  
**Width** 8  
**Precision** 0  
**Scale** 0

### Field description

Length of feature in internal units.

### Description source

Esri

### Description of values

Positive real numbers that are automatically generated.

## Field Shape

**Alias** Shape  
**Data type** Geometry  
**Width** 0  
**Precision** 0  
**Scale** 0

## Field description

Feature geometry.

## Description source

ESRI

## Description of values

Coordinates defining the features.

## Overview Description

### Entity and Attribute Overview

Division boundary polygons

### Entity and Attribute Detail Citation

North Carolina Geodetic Survey

## Metadata Details

**Metadata language** English (UNITED STATES)  
**Metadata character set** utf8 - 8 bit UCS Transfer Format

**Scope of the data described by the metadata** dataset  
**Scope name** dataset

**Last update** 2024-02-26

## ArcGIS metadata properties

**Metadata format** ArcGIS 1.0  
**Standard or profile used to edit metadata** ISO19139  
**Metadata style** FGDC CSDGM Metadata

**Created in ArcGIS for the item** 2023-12-06 09:05:08  
**Last modified in ArcGIS for the item** 2024-02-26 16:37:05

## Automatic updates

**Have been performed** Yes  
**Last update** 2024-02-26 16:37:05

## Item location history

**Item copied or moved** 2014-03-06 10:19:01

**To** \\ncemjfhqfs01\Geodetic Survey\OFFICIAL BASE Map State-County\Published Maps\2013-11-

21\NC\_State\_County\_Boundary\_NAD83-86

**From** Y:\OFFICIAL BASE Map State-County\Published Maps\2013-11-21\test  
harn\NC\_State\_County\_Boundary\_NAD83-86

## Metadata Contacts

### Metadata contact - point of contact

**Organization's name** North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

#### Contact information

##### Phone

**Voice** 919.707.4742

##### Address

**Type** postal

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** NC

**Postal code** 27610

**Country** US

**e-mail address** spot@ncdot.gov

##### Hours of service

8am-5pm, M-F

#### Contact instructions

Phone or email

## Metadata Maintenance

### Maintenance

**Update frequency** annually

**Scope of the updates** dataset

### 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

**Type** postal

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** NC

**Postal code** 27610

**Country** US  
**e-mail address** gishelp@ncdot.gov  
**Hours of service**  
8am-5pm, M-F

**Contact instructions**  
Phone or email

## Metadata Constraints

### 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.

SPOT Online is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either generated by the SPOT Online application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT Online project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT Online, the user hereby acknowledges this statement.

### Legal constraints

#### Limitations of use

The North Carolina Department of Transportation shall not be held liable for any errors in this metadata. 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.

SPOT Online is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either generated by the SPOT Online application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT Online project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT Online, the user hereby acknowledges this statement.

### 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.

SPOT Online is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either

generated by the SPOT On!ine application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT On!ine project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT On!ine, the user hereby acknowledges this statement.

## **Thumbnail and Enclosures**

### **Thumbnail**

#### **Thumbnail type**

Image file