

# NC Existing Railroad Annotation, Continuous Capture – NC Department of Transportation

## Geodatabase Feature Class



**Tags** Annotation, North Carolina, NCDOT, Transportation, Right of Way, Highway, Transportation Planning, Location, Railroad, Road, ROW.

### Summary

This feature class contains annotation of existing railroad which NCDOT acquisition, in part, may be necessary for road construction or improvement. Attributes containing NCDOT Project and Parcel ID are included. These data support the NCDOT Right Of Way Management System which allows for the continuous capture of right of way data. The data entered are the latest available to the NCDOT Right Of Way Branch, but data currency may vary across the system.

### Description

The Right of Way Branch of NCDOT is responsible for the acquisition of all necessary lands and rights of way used for construction and improvements of all highways which are part of the State Highway System. This includes roads on both the primary (interstate, U.S., and N.C. routes) and secondary (SR routes) systems. Purchasing land for other public modes of transportation is also required for expansion and to accommodate increased demand.

Multiple facets make up the Right of Way business process from early NCDOT project development to appraisals and land purchases. NCDOT's "Understanding the Right of Way Process" document provides more information here:

<https://connect.ncdot.gov/business/ROW/ROWManualsandPublications/Right-of-Way-Brochure-Single%20Page%20layout.pdf>

The Right of Way Management System (ROWMS) is a web-based application that captures Right of Way (ROW) information and documents, provides workflow and reporting capabilities, and interfaces with internal systems. ROWMS supports NC legislative mandates requiring Right of Way to have a role-based, data management system used by all projects.

A major benefit ROWMS provides is a 25% workflow cycle time reduction. It also facilitates process standardization, cross-department integration, collaboration across the organization, a detailed audit trail, and contractor integration. ROWMS integrates systems such as SAP (Vendors, Invoices, POs, Asset Management, etc.), SharePoint (public documents and deeds), DocuSign (electronic signatures, eNotary), and GIS.

The GIS Unit of the North Carolina Department of Information Technology-Transportation (NCDIT-T) has developed a process to convert the Right of Way Unit's original DGN/CAD files into a GIS format, that can then be managed and disseminated to meet the ROWMS project needs. These are adjacent and nearby critical features such as existing roads, buildings, utilities, and property, affected or impacted in some way due to NCDOT's state highway system construction or improvement projects. Proposed features for ROW acquisition, proposed roads and related features are also included. This ROW data can be viewed overlaying maps in the application. The GIS capability of ROWMS enables management and dissemination of Right of Way-based spatial data.

### Credits

The North Carolina Department of Transportation, Division of Highways, Right of Way Unit.

Support and maintenance of the enterprise spatial database where this data resides is handled by the North Carolina Department of Information Technology-Transportation, GIS Unit.

## Use limitations

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## Extent

**West** -79.588014

**East** -79.533761

**North** 35.036794

**South** 34.984357

## Scale Range

**Maximum (zoomed in)** 1:5,000

**Minimum (zoomed out)** 1:50,000

## Topics and Keywords

**Themes or categories of the resource** Location, Planning & Cadastral, Society, Transportation

**Content type** Downloadable Data

**Export to FGDC CSDGM XML format as Resource Description** No

**Theme keywords** Annotation, North Carolina, NCDOT, Transportation, Right of Way, Highway, Transportation Planning, Location, Railroad, Road, ROW.

### Thesaurus

**Title** User

**Creation date** 2018-09-13 00:00:00

**Publication date** 2018-09-13 00:00:00

**Place keywords** North Carolina

### Thesaurus

**Title** User

**Creation date** 2018-09-13 00:00:00

**Publication date** 2018-09-13 00:00:00

## Citation

**Title** NC Existing Railroad Annotation, Continuous Capture – NC Department of Transportation

**Alternate titles** ExistingRailroadAnnotation

**Creation date** 2018-09-13 00:00:00

**Publication date** 2018-09-13 00:00:00

**Presentation formats** digital map  
**FGDC geospatial presentation format** vector digital data

## Citation Contacts

### Responsible party - originator

**Organization's name** North Carolina Department of Transportation, Right of Way Unit  
**Contact's position** Right of Way Agent II (Real Property Conveyance Specialist)

#### Contact information

##### Phone

**Voice** 919-707-4360

##### Address

**Type** physical

**Delivery point** 1 South Wilmington Street

**City** Raleigh

**Administrative area** NC

**Postal code** 27601

**Country** US

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

##### Hours of service

9:00am - 5:00pm Monday – Friday

#### Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email.

### Responsible party - resource provider

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit  
**Contact's position** GIS Data and Services Consultant

#### Contact information

##### Address

**Type** physical

**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

9:00am - 5:00pm Monday – Friday

#### Contact instructions

Please send an email with any issues, questions, or comments regarding the Right of Way Geodatabase. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email.

## Responsible party - point of contact

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit  
**Contact's position** GIS Data and Services Consultant

### Contact information

#### Address

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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** vector

**Processing environment** Version 6.2 (Build 9200) ; Esri ArcGIS 10.5.1.7333

### Credits

The North Carolina Department of Transportation, Division of Highways, Right of Way Unit.

Support and maintenance of the enterprise spatial database where this data resides is handled by the North Carolina Department of Information Technology-Transportation, GIS Unit.

### ArcGIS item properties

**Name** ExistingRailroadAnnotation

**Location** file://\DOT\DFSROOT01\GROUPS-GISNH\GIS-TechShare\GISAppDevProjects\MetadataROWMS\ROWMS\_Services.gdb

**Access protocol** Local Area Network

## Extents

### Extent

#### Geographic extent

#### Bounding rectangle

#### Extent type

Extent used for searching

**West longitude** -79.588014  
**East longitude** -79.533761  
**North latitude** 35.036794  
**South latitude** 34.984357  
**Extent contains the resource** Yes

## Extent in the item's coordinate system

**westBL** 1823989.477766  
**eastBL** 1840127.445162  
**southBL** 449756.978304  
**northBL** 468749.675555  
**exTypeCode** Yes

## Resource Points of Contact

### Point of contact - point of contact

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit  
**Contact's position** GIS Data and Services Consultant

### Contact information

#### Address

**Type** physical  
**Delivery point** Century Center Building B, 1020 Birch Ridge Drive  
**City** Raleigh  
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**Country** US  
**e-mail address** gishelp@ncdot.gov

#### Hours of service

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## Resource Maintenance

### Resource maintenance

**Update frequency** continual

**Scope of the updates** dataset

### Other maintenance requirements

The North Carolina Department of Transportation, Division of Highways, Right of Way Unit maintenance is as needed and not regularly scheduled.

Support and maintenance of the spatial database where this data resides is handled by the North Carolina Department of Information Technology-Transportation, GIS Unit.

## Maintenance contact - point of contact

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit

**Contact's position** GIS Data and Services Consultant

### Contact information

#### Address

**Type** physical

**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

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## Resource Constraints

### Constraints

#### Limitations of use

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### Legal constraints

#### Limitations of use

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**Access constraints** restricted

**Use constraints** restricted

## Security constraints

**Classification** confidential

**Classification system** None

## Limitations of use

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## 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** 3048.0060960121928

**ZOrigin** -100000

**ZScale** 10000

**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** 2264

**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** ExistingRailroadAnnotation

**Object type** composite

**Object count** 19

### ArcGIS Feature Class Properties

**Feature class name** ExistingRailroadAnnotation

**Feature type** Annotation

**Geometry type** Polygon

**Has topology** FALSE

**Feature count** 19

**Spatial index** TRUE

**Linear referencing** FALSE

## Data Quality

### Scope of quality information

**Resource level** dataset

### Data quality report - Completeness commission

#### Data quality measure reference

##### Measure description

After processing and based on the availability of the submitter, the dataset is checked for drawing display and number of records and file sizes compared with source materials.

### Conformance test results

**Test passed** Yes

#### Result explanation

Pass.

### Product specification

**Title** NCDOT Geospatial Data Specifications

**Creation date** 2018-09-13 00:00:00

**Publication date** 2018-09-13 00:00:00

### Data quality report - Conceptual consistency

#### Data quality measure reference

##### Measure description

This dataset is converted to file geodatabase (FGDB) format. Data quality is not automated as part of the conversion process and assessed on an irregular basis.

## Conformance test results

**Test passed** Yes

### Result explanation

Pass.

## Product specification

**Title** NCDOT Geospatial Data Specifications

**Creation date** 2018-09-13 00:00:00

**Publication date** 2018-09-13 00:00:00

## Data quality report - Quantitative attribute accuracy

### Data quality measure reference

#### Measure description

The source data may be checked using standard review procedures. Attributes and null values were checked by using visual inspection as well as automated verification routines. Geometry checks were done post processing by the users.

## Conformance test results

**Test passed** Yes

### Result explanation

Pass.

## Product specification

**Title** NCDOT Geospatial Data Specifications

**Creation date** 2018-09-13 00:00:00

**Publication date** 2018-09-13 00:00:00

## Lineage

### Lineage statement

This dataset was originally created by the North Carolina Department of Transportation, Right of Way Unit, to provide annotation of existing railroad affected by proposed Right of Way acquisition in North Carolina. The data contained within this dataset is automatically loaded to the enterprise database environment through the data conversion process. Web mapping services are created with this data from the database. These services support the Right of Way Management System (ROWMS) online GIS data viewer which is utilized by the NCDOT's Right of Way Unit.

## Process step

**When the process occurred** 2018-09-01 00:00:00

### Description

The Right of Way data is originally created using MicroStation (CAD software). This data, known as Levels, exist as DGN format data files

## Process contact - originator

**Organization's name** North Carolina Department of Transportation, Right of Way Unit

**Contact's position** Right of Way Agent II (Real Property Conveyance Specialist)

## Contact information

### Phone

**Voice** 919-707-4360

### Address

**Type** physical

**Delivery point** 1 South Wilmington Street

**City** Raleigh

**Administrative area** NC

**Postal code** 27601

**Country** US

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

### Hours of service

9:00am - 5:00pm Monday – Friday

### Contact instructions

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## Process step

**When the process occurred** 2018-09-10 00:00:00

### Description

The ROW DGN format data is converted into a geospatial enterprise database utilizing a GIS data conversion process.

## Process contact - resource provider

**Organization's name** North Carolina Department of Transportation, Right of Way Unit

**Contact's position** Right of Way Agent II (Real Property Conveyance Specialist)

## Contact information

### Phone

**Voice** 919-707-4360

### Address

**Type** physical

**Delivery point** 1 South Wilmington Street

**City** Raleigh

**Administrative area** NC

**Postal code** 27601

**Country** US

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

### Hours of service

9:00am - 5:00pm Monday – Friday

### Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email.

## Process step

**When the process occurred** 2018-09-13 00:00:00

## Description

The Right of Way enterprise geodatabase data is published as a series of map services for display in the online ROWMS application, maintained by the NCDIT-Transportation GIS Unit.

## Process contact - point of contact

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit

**Contact's position** GIS Data and Services Consultant

### Contact information

#### Address

**Type** physical

**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

9:00am - 5:00pm Monday – Friday

#### Contact instructions

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## Distribution

### Distributor

#### Contact information - point of contact

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit

**Contact's position** GIS Data and Services Consultant

### Contact information

#### Address

**Type** physical

**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

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#### Contact instructions

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## Distribution format

**Version** 10.5.1

**Name** File Geodatabase Feature Class

## Fields

### Details for object ExistingRailroadAnnotation

**Type** Feature Class

**Row count** 19

#### Definition

ExistingRailroadAnnotation

#### Definition source

North Carolina Department of Transportation, Right of Way Unit

### 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 FeatureID

**Alias** FeatureID

**Data type** Integer

**Width** 4

**Precision** 0

**Scale** 0

#### Field description

Internal feature number.

#### Description source

Esri

### Field ZOrder

**Alias** ZOrder

**Data type** Integer  
**Width** 4  
**Precision** 0  
**Scale** 0

### Field description

Default annotation feature class field. Determines annotation stacking order (in front of/behind). Currently not used.

### Description source

Esri

### Description of values

Values vary.

## Field AnnotationClassID

**Alias** AnnotationClassID  
**Data type** Integer  
**Width** 4  
**Precision** 0  
**Scale** 0

### Field description

Default annotation feature class field. The annotation class the annotation belongs to.

### Description source

Esri

### Description of values

Values vary.

## Field Element

**Alias** Element  
**Data type** Blob  
**Width** 0  
**Precision** 0  
**Scale** 0

### Field description

Default annotation feature class field. BLOB (Binary Large Object) field that stores symbology and text geometry.

### Description source

Esri

### Description of values

BLOB (Binary Large Object)

## Field SymbolID

**Alias** SymbolID

**Data type** Integer

**Width** 4

**Precision** 0

**Scale** 0

### Field description

Default annotation feature class field. The annotation symbol in the symbol table.

### Description source

Esri

### Description of values

Values vary.

## Field Status

**Alias** Status

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

### Field description

Default annotation feature class field. Weather the feature (annotation) is placed or unplaced.

### Description source

Esri

### Description of values

Values vary.

## Field TextString

**Alias** TextString

**Data type** String

**Width** 255

**Precision** 0

**Scale** 0

### Field description

Default annotation feature class field. The text string for the feature.

### Description source

Esri

## Description of values

Text.

### Field FontName

**Alias** FontName

**Data type** String

**Width** 255

**Precision** 0

**Scale** 0

### Field description

Default annotation feature class field. The name of the font, for example, Arial.

### Description source

Esri

## Description of values

Text.

### Field FontSize

**Alias** FontSize

**Data type** Double

**Width** 8

**Precision** 0

**Scale** 0

### Field description

Default annotation feature class field. The size value for the font.

### Description source

Esri

## Description of values

Values vary.

### Field Bold

**Alias** Bold

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

### Field description

Default annotation feature class field. Whether the text is bold—yes/no.

### Description source

Esri

### List of values

**Value** No

**Description** Text is not bold.

**Enumerated domain value definition source** Esri

**Value** Yes

**Description** Text is bold.

**Enumerated domain value definition source** Esri

### Field Italic

**Alias** Italic

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

### Field description

Default annotation feature class field. Whether the text is italic—yes/no.

### Description source

Esri

### List of values

**Value** No

**Description** Text is not italicized.

**Enumerated domain value definition source** Esri

**Value** Yes

**Description** Text is italicized.

**Enumerated domain value definition source** Esri

### Field Underline

**Alias** Underline

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

### Field description

Default annotation feature class field. Whether the text is underlined—yes/no.

### Description source

Esri

### List of values

**Value** No

**Description** Text is not underlined.

**Enumerated domain value definition source** Esri

**Value** Yes

**Description** Text is underlined.

**Enumerated domain value definition source** Esri

## Field VerticalAlignment

**Alias** VerticalAlignment

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

### Field description

Default annotation feature class field. The vertical alignment of the text—top/center/baseline/bottom.

### Description source

Esri

### List of values

**Value** Top

**Description** Text is vertically aligned with the top position.

**Enumerated domain value definition source** Esri

**Value** Center

**Description** Text is vertically aligned with the center position.

**Enumerated domain value definition source** Esri

**Value** Baseline

**Description** Text is vertically aligned with the baseline position.

**Enumerated domain value definition source** Esri

**Value** Bottom

**Description** Text is vertically aligned with the bottom position.

**Enumerated domain value definition source** Esri

## Field HorizontalAlignment

**Alias** HorizontalAlignment

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

### Field description

Default annotation feature class field. The horizontal alignment of the text—left/right/center/full.

## Description source

Esri

## List of values

**Value** Left

**Description** Text is horizontally aligned with the left position.

**Enumerated domain value definition source** Esri

**Value** Right

**Description** Text is horizontally aligned with the right position.

**Enumerated domain value definition source** Esri

**Value** Center

**Description** Text is horizontally aligned with the center position.

**Enumerated domain value definition source** Esri

**Value** Full

**Description** Text is horizontally aligned in full position.

**Enumerated domain value definition source** Esri

## Field XOffset

**Alias** XOffset

**Data type** Double

**Width** 8

**Precision** 0

**Scale** 0

## Field description

Default annotation feature class field. Value representing amount of left or right position shift of the text.

## Description source

Esri

## Description of values

Values vary.

## Field YOffset

**Alias** YOffset

**Data type** Double

**Width** 8

**Precision** 0

**Scale** 0

## Field description

Default annotation feature class field. Value representing amount of up or down position shift of the text.

## Description source

Esri

### Description of values

Values vary.

## Field Angle

**Alias** Angle

**Data type** Double

**Width** 8

**Precision** 0

**Scale** 0

### Field description

Default annotation feature class field. Text rotation angle (0 – 360).

### Description source

Esri

### Description of values

Values vary.

## Field FontLeading

**Alias** FontLeading

**Data type** Double

**Width** 8

**Precision** 0

**Scale** 0

### Field description

Default annotation feature class field. Value to adjust spacing between multiple lines of text.

### Description source

Esri

### Description of values

Values vary.

## Field WordSpacing

**Alias** WordSpacing

**Data type** Double

**Width** 8

**Precision** 0

**Scale** 0

### Field description

Default annotation feature class field. Value to adjust spacing between words.

## Description source

Esri

## Description of values

Values vary.

## Field CharacterWidth

**Alias** CharacterWidth

**Data type** Double

**Width** 8

**Precision** 0

**Scale** 0

## Field description

Default annotation feature class field. Value to adjust character width.

## Description source

Esri

## Description of values

Values vary.

## Field CharacterSpacing

**Alias** CharacterSpacing

**Data type** Double

**Width** 8

**Precision** 0

**Scale** 0

## Field description

Default annotation feature class field. Value to adjust the spacing between characters.

## Description source

Esri

## Description of values

Values vary.

## Field FlipAngle

**Alias** FlipAngle

**Data type** Double

**Width** 8

**Precision** 0

**Scale** 0

## Field description

Default annotation feature class field. Adjusts the angle at which point rotated text is flipped in place.

### Description source

Esri

### Description of values

Values vary.

## Field Override

**Alias** Override

**Data type** Integer

**Width** 4

**Precision** 0

**Scale** 0

### Field description

Default annotation feature class field. The Override field is not editable and is maintained by ArcGIS. When the override value is 0, the annotation feature is displayed using the SymbolID text symbol that it references and no display properties are stored in the record. When the override value is greater than 0, the annotation feature uses the SymbolID text symbol as a base display and applies the overridden properties to that symbol.

### Description source

Esri

### Description of values

Values vary.

## 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.

## Field IgdsClass

**Alias** IgdsClass

**Data type** Integer

**Width** 4

**Precision** 0

**Scale** 0

### **Field description**

Field from original DGN format file. The element's class value. 0 = Primary.

### **Description source**

NCDOT Right of Way Unit

### **Description of values**

Numerical value.

## **Field IgdsFont**

**Alias** IgdsFont

**Data type** Integer

**Width** 4

**Precision** 0

**Scale** 0

### **Field description**

Field from original DGN format file. The IGDS font number for the text string.

### **Description source**

NCDOT Right of Way Unit

### **Description of values**

Values vary.

## **Field IgdsInsertionX**

**Alias** IgdsInsertionX

**Data type** Double

**Width** 8

**Precision** 0

**Scale** 0

### **Field description**

Field from original DGN format file. The x-axis location of the original insertion point for the text before the justification was applied.

### **Description source**

NCDOT Right of Way Unit

### **Description of values**

Values vary.

## **Field IgdsInsertionY**

**Alias** IgdsInsertionY  
**Data type** Double  
**Width** 8  
**Precision** 0  
**Scale** 0

### Field description

Field from original DGN format file. The y-axis location of the original insertion point for the text before the justification was applied.

### Description source

NCDOT Right of Way Unit

### Description of values

Values vary.

## Field IgdsInsertionZ

**Alias** IgdsInsertionZ  
**Data type** Double  
**Width** 8  
**Precision** 0  
**Scale** 0

### Field description

Field from original DGN format file. The z-axis location of the original insertion point for the text before the justification was applied.

### Description source

NCDOT Right of Way Unit

### Description of values

Values vary.

## Field IgdsStyle

**Alias** IgdsStyle  
**Data type** Integer  
**Width** 4  
**Precision** 0  
**Scale** 0

### Field description

Field from original DGN format file. The element's line style.

### Description source

NCDOT Right of Way Unit

### Description of values

Numerical value.

## Field IgdsWeight

**Alias** IgdsWeight

**Data type** Integer

**Width** 4

**Precision** 0

**Scale** 0

### Field description

Field from original DGN format file. The element's line weight.

### Description source

NCDOT Right of Way Unit

### Description of values

Numerical value.

## Field IgdsColor

**Alias** IgdsColor

**Data type** Integer

**Width** 4

**Precision** 0

**Scale** 0

### Field description

Field from original DGN format file. The element's color setting. This is the element's color index into the color table stored in the design file.

### Description source

NCDOT Right of Way Unit

### Description of values

Numerical value.

## Field IgdsGraphicGroup

**Alias** IgdsGraphicGroup

**Data type** Integer

**Width** 4

**Precision** 0

**Scale** 0

### Field description

Field from original DGN format file. The element's graphic group number.

### Description source

NCDOT Right of Way Unit

### Description of values

Numerical value.

### Field IgdsLevel

**Alias** IgdsLevel

**Data type** Integer

**Width** 4

**Precision** 0

**Scale** 0

### Field description

Field from original DGN format file, a level-based format. The IGDS (Interactive Graphics Design System – CAD format) level value of the feature.

### Description source

NCDOT Right of Way Unit

### Description of values

Numerical value.

### Field LevelName

**Alias** LevelName

**Data type** String

**Width** 75

**Precision** 0

**Scale** 0

### Field description

Field from original DGN format file, a level-based format. The name of the level from which the element originated. This closely matches the name of the feature class.

### Description source

NCDOT Right of Way Unit

### Description of values

Numerical value.

### Field IgdsJustification

**Alias** IgdsJustification

**Data type** Integer

**Width** 4

**Precision** 0

**Scale** 0

### Field description

Field from original DGN format file. The justification code for the text string. Text elements in a Design file are always stored using a lower left corner.

- 0 = Left/Top
- 1 = Left/Center
- 2 = Left/Bottom
- 3 = Left Margin/Top
- 4 = Left Margin/Center
- 5 = Left Margin/Bottom
- 6 = Center/Top
- 7 = Center/Center
- 8 = Center/Bottom
- 9 = Right Margin/Top
- 10 = Right Margin/Center
- 11 = Right Margin/Bottom
- 12 = Right/Top
- 13 = Right/Center
- 14 = Right/Bottom

### Description source

NCDOT Right of Way Unit

### Description of values

Values vary.

## Field IgdsNodeNumber

**Alias** IgdsNodeNumber

**Data type** Integer

**Width** 4

**Precision** 0

**Scale** 0

### Field description

Field from original DGN format file. The node number assigned to the text node. Text node features are point features, and only have a single coordinate. Usually, text nodes are used to group together lines of text into a single complex element.

### Description source

NCDOT Right of Way Unit

### Description of values

Values vary.

## Field TextGroup

**Alias** TextGroup

**Data type** Integer

**Width** 4

**Precision** 0

**Scale** 0

### Field description

Field from original DGN format file. Group assigned to multiple text strings.

### Description source

NCDOT Right of Way Unit

### Description of values

Values vary.

## Field ProjectID

**Alias** ProjectID

**Data type** String

**Width** 75

**Precision** 0

**Scale** 0

### Description source

NCDOT Right of Way Unit

### Field description

Concatenation of the NCDOT TIP Project number and “\_ROWGIS”.

### Description of values

Alphanumeric values will vary.

## Field GlobalID

**Alias** GlobalID

**Data type** GlobalID

**Width** 38

**Precision** 0

**Scale** 0

### Description source

NCDOT Right of Way Unit

### Field description

Uniquely identifies a feature or table row within a geodatabase and across geodatabases.

### Description of values

Alphanumeric values will vary.

## 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\_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.

## 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** 2022-02-15

### 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** 2021-11-30 09:48:24

**Last modified in ArcGIS for the item** 2022-02-15 92:74:10

### Automatic updates

**Have been performed** Yes

Last update 2022-02-15 09:19:46

## Metadata Contacts

### Metadata contact - point of contact

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit

**Contact's position** GIS Data and Services Consultant

#### Contact information

##### Address

**Type** physical

**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

9:00am - 5:00pm Monday – Friday

#### Contact instructions

Please send an email with any issues, questions, or comments regarding the Right of Way Geodatabase. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email.

## Metadata Maintenance

### Maintenance

**Update frequency** as needed

**Scope of the updates** dataset

### Maintenance contact - point of contact

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit

**Contact's position** GIS Data and Services Consultant

#### Contact information

##### Address

**Type** physical

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

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#### Contact instructions

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it is an immediate need, please call the contact number or indicate as such in the subject line in an 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.

All Right of Way data is the sole property of NCDOT and any public purpose use is subject to approval and release by NCDOT. No data, whole or in part, shall be released, published, or shared without prior written approval by NCDOT. No information concerning the data shall be divulged to anyone outside the proper officials at NCDOT or the Federal Highway Administration. All Right of Way data is strictly confidential to NCDOT and its approved contractors.

### Security constraints

**Classification** confidential

**Classification system** None

#### Limitations of use

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## Thumbnail and Enclosures

### Thumbnail

#### Thumbnail type

Image file