

# NC Existing Property Iron Pin Annotation, Continuous Capture - NC Department of Transportation

## File Geodatabase Feature Class



### Tags

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

### Summary

This feature class contains annotation of existing property iron pins in 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** -85.782270 **East** -75.424641

**North** 36.577026 **South** 33.582450

### Scale Range

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

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

### ArcGIS Metadata ►

### Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE location, planning Cadastre, society, transportation

\* CONTENT TYPE Downloadable Data

PLACE KEYWORDS North Carolina

#### THESAURUS ►

TITLE User

CREATION DATE 2018-09-13 00:00:00

PUBLICATION DATE 2018-09-13 00:00:00

*Hide Thesaurus ▲*

THEME KEYWORDS Annotation, North Carolina, NCDOT, Transportation, Right of Way, Highway, Transportation Planning, Location, Road, ROW.

#### THESAURUS ►

TITLE User

CREATION DATE 2018-09-13 00:00:00

PUBLICATION DATE 2018-09-13 00:00:00

*Hide Thesaurus ▲*

*Hide Topics and Keywords ▲*

### Citation ►

TITLE NC Existing Property Iron Pin Annotation, Continuous Capture - NC Department of Transportation  
ALTERNATE TITLES ExistingPropertyIronPinAnnotation  
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

[Hide Citation ▲](#)

## Citation Contacts ►

### RESPONSIBLE PARTY

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'S ROLE originator

### 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](mailto: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.

[Hide Contact information ▲](#)

### RESPONSIBLE PARTY

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit  
CONTACT'S POSITION GIS Data and Services Consultant  
CONTACT'S ROLE resource provider

### CONTACT INFORMATION ►

ADDRESS  
TYPE physical  
DELIVERY POINT 4101 Capital Boulevard  
CITY Raleigh  
ADMINISTRATIVE AREA NC  
POSTAL CODE 27604  
COUNTRY US  
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CONTACT'S ROLE point of contact

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[Hide Contact information ▲](#)

[Hide Citation Contacts ▲](#)

## 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.

[Hide Resource Details ▲](#)

## Extents ►

##### EXTENT

##### GEOGRAPHIC EXTENT

##### BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching  
\* WEST LONGITUDE -85.782270  
\* EAST LONGITUDE -75.424641

- \* NORTH LATITUDE 36.577026
- \* SOUTH LATITUDE 33.582450
- \* EXTENT CONTAINS THE RESOURCE Yes

#### EXTENT IN THE ITEM'S COORDINATE SYSTEM

- \* WEST LONGITUDE 5055.578895
- \* EAST LONGITUDE 3050477.482134
- \* SOUTH LATITUDE 4880.225999
- \* NORTH LATITUDE 1028976.413038
- \* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

## Resource Points 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'S ROLE point of contact

#### CONTACT INFORMATION ►

##### ADDRESS

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DELIVERY POINT 4101 Capital Boulevard  
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[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

## 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

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit

CONTACT'S POSITION GIS Data and Services Consultant  
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

ADDRESS

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[Hide Contact information ▲](#)

[Hide Resource Maintenance ▲](#)

## Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

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LEGAL CONSTRAINTS

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ACCESS CONSTRAINTS restricted

USE CONSTRAINTS restricted

SECURITY CONSTRAINTS

CLASSIFICATION confidential  
CLASSIFICATION SYSTEM None

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[Hide Resource Constraints ▲](#)

## 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

#### PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102719  
X ORIGIN -121841900  
Y ORIGIN -93659000  
XY SCALE 3048.0060960121928  
Z ORIGIN -100000  
Z SCALE 10000  
M ORIGIN 0  
M SCALE 1  
XY TOLERANCE 0.0032808333333333331  
Z TOLERANCE 0.001  
M TOLERANCE 0.001  
HIGH PRECISION true

LATEST WELL-KNOWN IDENTIFIER 2264

#### WELL-KNOWN TEXT

```
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)

[Hide Spatial Reference ▲](#)

## Spatial Data Properties ►

#### VECTOR ►

- \* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME ExistingPropertyIronPinAnnotation

\* OBJECT TYPE composite

\* OBJECT COUNT 69456

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ▶

FEATURE CLASS NAME ExistingPropertyIronPinAnnotation

\* FEATURE TYPE Annotation

\* GEOMETRY TYPE Polygon

\* HAS TOPOLOGY FALSE

\* FEATURE COUNT 69456

\* SPATIAL INDEX TRUE

\* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

## Data Quality ▶

SCOPE OF QUALITY INFORMATION ▶

RESOURCE LEVEL dataset

[Hide Scope of quality information ▲](#)

DATA QUALITY REPORT - COMPLETENESS COMMISSION ▶

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

[Hide Product specification ▲](#)

[Hide Data quality report - Completeness commission ▲](#)

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY ▶

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

*Hide Product specification ▲*

*Hide Data quality report - Conceptual consistency ▲*

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY ▶

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

*Hide Product specification ▲*

*Hide Data quality report - Quantitative attribute accuracy ▲*

*Hide Data Quality ▲*

**Lineage** ▶

LINEAGE STATEMENT

This dataset was originally created by the North Carolina Department of Transportation, Right of Way Unit, to provide annotation of existing property iron pins 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

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'S ROLE originator

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](mailto:cegrady@ncdot.gov)

HOURS OF SERVICE

9:00am - 5:00pm Monday – Friday

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[Hide Contact information ▲](#)

[Hide Process step ▲](#)

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

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'S ROLE resource provider

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  
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[Hide Contact information ▲](#)

[Hide Process step ▲](#)

#### 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

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit  
CONTACT'S POSITION GIS Data and Services Consultant  
CONTACT'S ROLE point of contact

#### CONTACT INFORMATION ▶

##### ADDRESS

TYPE physical  
DELIVERY POINT 4101 Capital Boulevard  
CITY Raleigh  
ADMINISTRATIVE AREA NC  
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COUNTRY US  
E-MAIL ADDRESS [gishelp@ncdot.gov](mailto:gishelp@ncdot.gov)

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[Hide Contact information ▲](#)

[Hide Process step ▲](#)

[Hide Lineage ▲](#)

## Distribution ►

### DISTRIBUTOR ►

#### CONTACT INFORMATION

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit  
CONTACT'S POSITION GIS Data and Services Consultant  
CONTACT'S ROLE point of contact

#### CONTACT INFORMATION ►

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[Hide Contact information ▲](#)

[Hide Distributor ▲](#)

### DISTRIBUTION FORMAT

VERSION 10.5.1  
\* NAME File Geodatabase Feature Class

[Hide Distribution ▲](#)

## Fields ►

### DETAILS FOR OBJECT ExistingPropertyIronPinAnnotation ►

\* TYPE Feature Class  
\* ROW COUNT 69456

#### DEFINITION

ExistingPropertyIronPinAnnotation

#### 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.

*Hide Field OBJECTID ▲*

FIELD FeatureID ►

\* ALIAS FeatureID

\* DATA TYPE Integer

\* WIDTH 4

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Internal feature number.

DESCRIPTION SOURCE

Esri

*Hide Field FeatureID ▲*

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.

*Hide Field ZOrder ▲*

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.

[Hide Field AnnotationClassID ▲](#)

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)

[Hide Field Element ▲](#)

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.

[Hide Field SymbolID ▲](#)

FIELD Status ►

- \* ALIAS Status
- \* DATA TYPE Small Integer
- \* 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.

*Hide Field Status ▲*

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.

*Hide Field TextString ▲*

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.

*Hide Field FontName ▲*

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.

*Hide Field FontSize ▲*

FIELD Bold ►

\* ALIAS **Bold**

\* DATA TYPE Small Integer

\* 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

*Hide Field Bold ▲*

FIELD Italic ►

\* ALIAS *Italic*

\* DATA TYPE Small Integer

\* 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

*Hide Field Italic ▲*



FIELD **Underline** ▶

- \* ALIAS Underline
- \* DATA TYPE Small Integer
- \* 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

*Hide Field Underline ▲*

FIELD **VerticalAlignment** ▶

- \* ALIAS VerticalAlignment
- \* DATA TYPE Small Integer
- \* 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

*Hide Field VerticalAlignment ▲*

FIELD **HorizontalAlignment** ▶

- \* ALIAS HorizontalAlignment
- \* DATA TYPE Small Integer
- \* 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

*Hide Field HorizontalAlignment ▲*

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.

*Hide Field XOffset ▲*

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.

*Hide Field YOffset ▲*

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.

*Hide Field Angle ▲*

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.

*Hide Field FontLeading ▲*

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.

*Hide Field WordSpacing ▲*

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.

*Hide Field CharacterWidth ▲*

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.

*Hide Field CharacterSpacing ▲*

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.

*Hide Field FlipAngle ▲*

#### 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.

*Hide Field Override ▲*

#### 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.

*Hide Field Shape ▲*

#### 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.

*Hide Field IgdsClass ▲*

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.

*Hide Field IgdsFont ▲*

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.

*Hide Field IgdsInsertionX ▲*

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.

*Hide Field IgdsInsertionY ▲*

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.

*Hide Field IgdsInsertionZ ▲*

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.

*Hide Field IgdsStyle ▲*

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.

*Hide Field IgdsWeight ▲*

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.

*Hide Field IgdsColor ▲*

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.

*Hide Field IgdsGraphicGroup ▲*

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.

*Hide Field IgdsLevel ▲*

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.

*Hide Field LevelName ▲*

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.

*Hide Field IgdsJustification ▲*

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.

*Hide Field IgdsNodeNumber ▲*

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.

*Hide Field TextGroup ▲*

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.

*Hide Field ProjectID ▲*

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.

*Hide Field GlobalID ▲*

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.

*Hide Field Shape\_Length ▲*

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.

*Hide Field Shape\_Area ▲*

*Hide Details for object ExistingPropertyIronPinAnnotation ▲*

*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 \* dataset

SCOPE NAME \* dataset

- \* LAST UPDATE 2022-02-09

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 2021-11-29 14:21:22

LAST MODIFIED IN ARCGIS FOR THE ITEM 2022-02-09 11:52:56

AUTOMATIC UPDATES

- HAVE BEEN PERFORMED Yes
- LAST UPDATE 2022-02-09 10:59:21

*Hide Metadata Details ▲*

**Metadata Contacts ▶**

METADATA CONTACT

- ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit
- CONTACT'S POSITION GIS Data and Services Consultant
- CONTACT'S ROLE point of contact

CONTACT INFORMATION ▶

- ADDRESS
- TYPE physical

DELIVERY POINT 4101 Capital Boulevard  
CITY Raleigh  
ADMINISTRATIVE AREA NC  
POSTAL CODE 27604  
COUNTRY US  
E-MAIL ADDRESS [gishelp@ncdot.gov](mailto: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.

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

## Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY as needed

SCOPE OF THE UPDATES dataset

MAINTENANCE CONTACT

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit  
CONTACT'S POSITION GIS Data and Services Consultant  
CONTACT'S ROLE point of contact

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## 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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[Hide Metadata Constraints ▲](#)

## Thumbnail and Enclosures ►

#### THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)