North Carolina Rail Crossings – 4th Quarter 2024 - North Carolina Department of Transportation

File Geodatabase Feature Class

Tags

NC, North Carolina, NCDOT, Official NCDOT, Transportation, Railroad, Rail, Crossing, Railway

Summary

This dataset is made available to provide a representation of state maintained railroad crossings for mapping, planning and modeling purposes. Locations are approximate and data is not guaranteed to be complete.

Description

The dataset provided includes point data for use in GIS that represents public crossings and private crossings with public access in North Carolina. Only open and inactive crossings are included; closed crossings have been omitted. Attributes for each crossing include the crossing's FRA identification number and the latitude and longitude of the crossing. Crossing location and status were verified by cross-referencing Federal Railroad Administration public crossing database with North Carolina Department of Transportation Rail Division's crossing database, railroad company track charts and aerial imagery. Where in doubt, crossing status has been investigated by contacting the rail company, land owner, or municipality within whose jurisdiction the crossing falls. The attributes are derived directly from NCDOT's Statewide Authoritative Railroad and Highway (SARAH) database.

Credits

North Carolina Department of Transportation Rail Division, Moffatt & Nichol Engineers, WGI

Use limitations

The North Carolina Department of Transportation shall not be held liable for any errors in this data. This includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. This data cannot be construed to be a legal document. Primary sources from which this data was compiled must be consulted for verification of information contained in this data.

Extent

West	-84.124533	**East**	-76.090847
North	36.572504	**South**	33.846568

Scale Range

Maximum (zoomed in)	1:5,000
Minimum (zoomed out)	1:625,000

ArcGIS Metadata ▶

Topics and Keywords ▶

THEMES OR CATEGORIES OF THE RESOURCE   transportation

* CONTENT TYPE   Downloadable Data
    EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION   No

THEME KEYWORDS   Transportation, Railways, Rail Crossings

Hide Topics and Keywords ▲

Citation ►

TITLE   North Carolina Rail Crossings – 4th Quarter 2024 - North Carolina Department of Transportation
PUBLICATION DATE   2024-11-11   00:00:00
CREATION DATE   2013-08-01   00:00:00
REVISION DATE   2024-10-17   00:00:00

PRESENTATION FORMATS   * digital map

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY
  INDIVIDUAL'S NAME   Todd Meyer
  ORGANIZATION'S NAME   NCDOT Rail Division
  CONTACT'S POSITION   Inventory & Data Analysis Manager
  CONTACT'S ROLE   custodian

    CONTACT INFORMATION   ►
    PHONE
      VOICE   9197074121

    ADDRESS
      TYPE   postal
      DELIVERY POINT   1556 Mail Service Center
      CITY   Raleigh
      ADMINISTRATIVE AREA   NC
      POSTAL CODE   27699
      COUNTRY   US
      E-MAIL ADDRESS   tmeyer@ncdot.gov

    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   Esri ArcGIS 12.9.7.32739

CREDITS
      North Carolina Department of Transportation Rail Division, Moffatt & Nichol Engineers, WGI

ARCGIS ITEM PROPERTIES
  * NAME   RailroadCrossings

Hide Resource Details ▲

Extents ▶

EXTENT
  DESCRIPTION
        Date data was obtained from State Authoritative Rail and Highway (SARAH) database.

  TEMPORAL EXTENT
    DATE AND TIME 2024-10-17   00:00:00

EXTENT
  GEOGRAPHIC EXTENT
    BOUNDING RECTANGLE
      EXTENT TYPE   Extent used for searching
      * WEST LONGITUDE   -84.124533
      * EAST LONGITUDE   -76.090847
      * NORTH LATITUDE   36.572504
      * SOUTH LATITUDE   33.846568
      * EXTENT CONTAINS THE RESOURCE   Yes

  EXTENT IN THE ITEM'S COORDINATE SYSTEM
    * WEST LONGITUDE   493586.790479
    * EAST LONGITUDE   2854662.538463
    * SOUTH LATITUDE   72807.773870
    * NORTH LATITUDE   1027329.782473
    * EXTENT CONTAINS THE RESOURCE   Yes

Hide Extents ▲

Resource Points of Contact ▶

POINT OF CONTACT
  INDIVIDUAL'S NAME   Todd Meyer
  ORGANIZATION'S NAME   NCDOT Rail Division
  CONTACT'S POSITION   Inventory & Data Analysis Manager
  CONTACT'S ROLE   custodian

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      COUNTRY   US
      E-MAIL ADDRESS   tmeyer@ncdot.gov

    Hide Contact information ▲

Hide Resource Points of Contact ▲

Resource Maintenance ▶

RESOURCE MAINTENANCE
  DATE OF NEXT UPDATE   2025-01-01   00:00:00
  UPDATE FREQUENCY   quarterly

Resource Constraints ▶

CONSTRAINTS
  LIMITATIONS OF USE

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LEGAL CONSTRAINTS
  LIMITATIONS OF USE
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SECURITY CONSTRAINTS
  CLASSIFICATION   unclassified
  CLASSIFICATION SYSTEM   None

  ADDITIONAL RESTRICTIONS
    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
    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   -100000
      M SCALE   10000
      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_19
83",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM[
"Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],P
ARAMETER["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Cen
tral_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],A
UTHORITY["EPSG",2264]]

REFERENCE SYSTEM IDENTIFIER
  DIMENSION   horizontal
  VALUE   SR-ORG:12
  * 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   RailroadCrossings
    * OBJECT TYPE   point
    * OBJECT COUNT   5146

  Hide Vector ▲

ArcGIS FEATURE CLASS PROPERTIES   ▶
  FEATURE CLASS NAME   RailroadCrossings
    * FEATURE TYPE   Simple
    * GEOMETRY TYPE   Point
    * HAS TOPOLOGY   FALSE
    * FEATURE COUNT   5146
    * 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 - CONCEPTUAL CONSISTENCY   ▶
  MEASURE DESCRIPTION
    There are no measurement, precision, or spatial standards assigned to this data set.

QUANTITATIVE TEST RESULTS
  VALUE   Shape_Length
  UNITS
    SYMBOL   [ft_us]
Hide Data quality report - Conceptual consistency ▲

DATA QUALITY REPORT - COMPLETENESS OMISSION   ▶
  MEASURE DESCRIPTION
      There are no measurement, precision, or spatial standards assigned to this data set.

  CONFORMANCE TEST RESULTS
    TEST PASSED   Yes
    RESULT EXPLANATION
      Complies with SARAH data.

  Hide Data quality report - Completeness omission ▲

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY   ▶
  DIMENSION   horizontal

  MEASURE DESCRIPTION
      Various sources with varying degree of accuracy have been used over time to create/update this
      dataset. NCDOT used best available information at the time of editing.

  CONFORMANCE TEST RESULTS
    TEST PASSED   Yes
    RESULT EXPLANATION
      Complies with current SARAH data.

  Hide Data quality report - Absolute external positional accuracy ▲

Hide Data Quality ▲

Lineage ▶

LINEAGE STATEMENT
      Moffatt & Nichol Engineers initially performed analysis to verify the location of every open public
      crossing in the state of North Carolina. Subsequent updates added all pedestrian and inactive
      crossings to the dataset. Dataset is updated by NCDOT Rail Division and offered as an online resource
      by the NCDIT-Transportation GIS Unit.

      Crossing locations from several sources were compared and the probable location of each crossing
      was determined. Sources include NCDOT Rail Division's Statewide Authoritative Rail and Highway
      (SARAH) database, Federal Railroad Administration's crossing database, NCDOT State Route LRS
      dataset. Where study of these resources was unable to positively locate a crossing, each crossing was
      individually investigated by contacting the land owner, controlling municipality, or the relevant
      railroad company.

Additional crossing attributes have been ported from the NCDOT SARAH Database by WGI. These attributes are maintained as a separate data source and have been imported without any additional processing or analysis.

PROCESS STEP ▶
   WHEN THE PROCESS OCCURRED   2019-10-10   00:00:00
   DESCRIPTION
     Review Metadata and process for publication.

PROCESS CONTACT
   ORGANIZATION'S NAME   North Carolina Department of Transportation Geographic Information Systems Unit
   CONTACT'S POSITION   GIS Help Desk
   CONTACT'S ROLE   distributor

     CONTACT INFORMATION   ▶
     PHONE
      VOICE   919.707.2165
      FAX   919.707.2210

     ADDRESS
      TYPE   both
      DELIVERY POINT   4101 Capital Boulevard
      CITY   Raleigh
      ADMINISTRATIVE AREA   North Carolina
      POSTAL CODE   27604
      COUNTRY   US
      E-MAIL ADDRESS   gishelp@ncdot.gov

     HOURS OF SERVICE
     8am to 5pm, M-F

     CONTACT INSTRUCTIONS
     phone or email

      Hide Contact information ▲

   Hide Process step ▲

 Hide Lineage ▲

Distribution ▶

DISTRIBUTOR   ▶
  CONTACT INFORMATION
   ORGANIZATION'S NAME   North Carolina Department of Transportation Geographic Information Systems Unit
   CONTACT'S POSITION   GIS Help Desk
   CONTACT'S ROLE   distributor

     CONTACT INFORMATION   ▶
     PHONE
      VOICE   919.707.2165
      FAX   919.707.2210

     ADDRESS

TYPE both
DELIVERY POINT 4101 Capital Boulevard
CITY Raleigh
ADMINISTRATIVE AREA North Carolina
POSTAL CODE 27604
COUNTRY US
E-MAIL ADDRESS gishelp@ncdot.gov

HOURS OF SERVICE
8am to 5pm, M-F

CONTACT INSTRUCTIONS
phone or email

Hide Contact information ▲

Hide Distributor ▲

DISTRIBUTION FORMAT
  VERSION 10.5
  * NAME File Geodatabase Feature Class

TRANSFER OPTIONS
  ONLINE SOURCE
    LOCATION https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx

Hide Distribution ▲

Fields ▶

DETAILS FOR OBJECT RailroadCrossings ▶
  * TYPE Feature Class
  * ROW COUNT 5146
  DEFINITION
      Point data representing all open/inactive, public crossing points in North Carolina

  DEFINITION SOURCE
      NCDOT

  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 **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 **CrossingId** ▶
- ALIAS Crossing ID
- *** DATA TYPE** String
- *** WIDTH** 100
- *** PRECISION** 0
- *** SCALE** 0

FIELD DESCRIPTION
The US DOT Crossing Inventory Number contains six digits followed by an alpha check character. The alpha character is a check to ensure that the number is valid and provides a unique identifying number which was designed to prevent the possibility of error by ensuring that the crossing information is recorded for the correct location.

DESCRIPTION SOURCE
U.S. DOT - FRA

DESCRIPTION OF VALUES
Six digits followed by an alpha check character

Hide Field CrossingId ▲

FIELD **PrfxMilePost** ▶
- ALIAS Milepost Prefix
- *** DATA TYPE** String
- *** WIDTH** 100
- *** PRECISION** 0
- *** SCALE** 0

FIELD DESCRIPTION
Prefix to the railroad milepost.

DESCRIPTION SOURCE
NCDOT Rail Division

DESCRIPTION OF VALUES
3 digit-maximum code chosen by the operating railroad company

FIELD PosXing ►

ALIAS   Crossing Position

* DATA TYPE   String

* WIDTH   100

* PRECISION   0

* SCALE   0

FIELD DESCRIPTION

Position of the railroad relative to the crossing.

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE   AT GRADE

DESCRIPTION   Railroad intersects roadway

ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   RR OVER

DESCRIPTION   Railroad is grade separated over roadway

ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   RR UNDER

DESCRIPTION   Railroad is grade separated under roadway

ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

FIELD XPurpose ►

ALIAS   Crossing Purpose

* DATA TYPE   String

* WIDTH   100

* PRECISION   0

* SCALE   0

FIELD DESCRIPTION

Purpose of the crossing.

DESCRIPTION SOURCE

NCDOT Rail Division

LIST OF VALUES

VALUE   HIGHWAY

DESCRIPTION   Highway use

ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   PATHWAY, PED.

DESCRIPTION   Pedestrian use, not within a passenger station

ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   STATION, PED.

DESCRIPTION   Pedestrian use within a passenger station

ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

FIELD SfxMilePost ▶

ALIAS Milepost Suffix

* DATA TYPE String

* WIDTH 10

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Suffix to the railroad milepost.

DESCRIPTION SOURCE

NCDOT Rail Division

DESCRIPTION OF VALUES

3 digit-maximum code chosen by the operating railroad company

Hide Field SfxMilePost ▲

FIELD TypeXing ▶

* ALIAS Crossing Type

* DATA TYPE String

* WIDTH 10

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The type of crossing. Based on the maintainer of crossing or roadway.

DESCRIPTION SOURCE

FRA

LIST OF VALUES

VALUE PUBLIC

DESCRIPTION The crossing is located where a public highway, road, or street crosses one or more railroad tracks either at grade or grade-separated. The crossing is a public pathway explicitly authorized by a public authority that is dedicated for the use of non-vehicular traffic, including pedestrians, bicyclists, and others, which is not associated with a public highway, road, or street. The crossing is a pathway explicitly authorized by a public authority or a railroad carrier that is dedicated for the use of non-vehicular traffic and is located within a railway station.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE FRA

VALUE PRIVATE

DESCRIPTION The crossing is a location where a private roadway crosses one or more railroad tracks either at grade or grade-separated. The crossing is a private pathway, either at grade or grade-separated, explicitly authorized by a railroad carrier that is dedicated for the use of non-vehicular traffic, including pedestrians, bicyclists, and others, which is not associated with a private roadway.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE FRA

Hide Field TypeXing ▲

FIELD Street ▶

* ALIAS Street

* DATA TYPE String

* WIDTH 255

* PRECISION 0

* SCALE 0
FIELD DESCRIPTION
  Values represent the name of the highway or street. If multiple street names exist at a crossing then each is separated by a slash " / ".

DESCRIPTION SOURCE
  NCDOT

DESCRIPTION OF VALUES
  Street name spelled without abbreviations.

Hide Field Street ▲

FIELD Nearest ▶
  ALIAS   In or Near
  * DATA TYPE   String
  * WIDTH   25
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
    In or Near municipal boundaries.

  DESCRIPTION SOURCE
    NCDOT

  LIST OF VALUES
    VALUE   In
    DESCRIPTION   Crossing falls within municipal boundaries
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

    VALUE   Near
    DESCRIPTION   Crossing does not fall within any municipal boundaries
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

  Hide Field Nearest ▲

FIELD Highway ▶
  * ALIAS   Highway
  * DATA TYPE   String
  * WIDTH   15
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
    The Highway Type, Number and Designation.

  DESCRIPTION SOURCE
    NCDOT

  LIST OF VALUES
    VALUE   US
    DESCRIPTION   US Route
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

    VALUE   NC
    DESCRIPTION   NC Route
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   I
DESCRIPTION   Interstate
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   SR
DESCRIPTION   Secondary Route
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   LS
DESCRIPTION   Local Street
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   NON
DESCRIPTION   Pedestrian Path, not a roadway
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   BYP
DESCRIPTION   Bypass
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   BUS
DESCRIPTION   Business
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   ALT
DESCRIPTION   Alternate
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

Hide Field Highway ▲

FIELD CityCD ▶
ALIAS   City
* DATA TYPE   String
* WIDTH   255
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   Values represent the name of the city, town, or village where the crossing is located (maximum of 32 characters) which must be a valid location within the state.

DESCRIPTION SOURCE
   NCDOT

DESCRIPTION OF VALUES
   The City name must be recognized on the Geographic Locator Code list for North Carolina. The Geographic Locator Codes with updated city names and codes are available at https://www.gsa.gov/reference/geographic-locator-codes-glcs-overview.

Hide Field CityCD ▲

FIELD CntyCD ▶
ALIAS   County
* DATA TYPE   String
* WIDTH   50
* PRECISION   0
* SCALE   0

Values represent the county where the crossing is located. When a crossing is located on a county line, it is suggested that the crossing be inventoried in the county that is south or east geographically.

DESCRIPTION SOURCE
NCDOT

DESCRIPTION OF VALUES
North Carolina Counties

Hide Field CntyCD ▲

FIELD Railroad ►
* ALIAS Railroad
* DATA TYPE String
* WIDTH 100
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Values represent the valid railroad code (up to 4 letters) for the "Primary Operating Railroad" company, i.e., the railroad that operates train movements over the crossing. The primary operating railroad will normally be the reporting railroad, but may or may not own and maintain the roadbed, tracks, and signal system controlling the crossing.

DESCRIPTION SOURCE
NCDOT

DESCRIPTION OF VALUES
See FRA accepted RR codes

Hide Field Railroad ▲

FIELD MilePost ►
ALIAS Milepost
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Values represent the railroad milepost number in miles and thousandths of miles.

DESCRIPTION SOURCE
NCDOT

RANGE OF VALUES
MINIMUM VALUE 0
MAXIMUM VALUE 999

Hide Field MilePost ▲

FIELD DIVISION ►
* ALIAS NCDOT Division
* DATA TYPE SmallInteger

* WIDTH   2
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   The NCDOT Division number the crossing is in.

DESCRIPTION SOURCE
   NCDOT

RANGE OF VALUES
   MINIMUM VALUE   1
   MAXIMUM VALUE   14

   Hide Field DIVISION ▲

FIELD Latitude   ▶
   * ALIAS   Latitude
   * DATA TYPE   Double
   * WIDTH   8
   * PRECISION   0
   * SCALE   0
   FIELD DESCRIPTION
      Latitude coordinate of the crossing

   DESCRIPTION SOURCE
      NCDOT

   RANGE OF VALUES
      MINIMUM VALUE   33.945853
      MAXIMUM VALUE   36.540988
      UNITS OF MEASURE   Decimal Degrees

   Hide Field Latitude ▲

FIELD Photo_N   ▶
   ALIAS   Photo North
   * DATA TYPE   String
   * WIDTH   200
   * PRECISION   0
   * SCALE   0
   FIELD DESCRIPTION
      Link to a picture of the crossing, facing North

   DESCRIPTION SOURCE
      NCDOT

   DESCRIPTION OF VALUES
      Uniform Resource Locator for Crossing photos

   Hide Field Photo_N ▲

FIELD Photo_S   ▶
   ALIAS   Photo South
   * DATA TYPE   String
   * WIDTH   200

* PRECISION   0

* SCALE   0

FIELD DESCRIPTION

    Link to a picture of the crossing, facing South

DESCRIPTION SOURCE

    NCDOT

DESCRIPTION OF VALUES

    Uniform Resource Locator for Crossing photos

    Hide Field Photo_S ▲

FIELD Photo_E ▶

ALIAS   Photo East

* DATA TYPE   String

* WIDTH   200

* PRECISION   0

* SCALE   0

FIELD DESCRIPTION

    Link to a picture of the crossing, facing East

DESCRIPTION SOURCE

    NCDOT

DESCRIPTION OF VALUES

    Uniform Resource Locator for Crossing photos

    Hide Field Photo_E ▲

FIELD Photo_W ▶

ALIAS   Photo West

* DATA TYPE   String

* WIDTH   200

* PRECISION   0

* SCALE   0

FIELD DESCRIPTION

    Link to a picture of the crossing, facing West

DESCRIPTION SOURCE

    NCDOT

DESCRIPTION OF VALUES

    Uniform Resource Locator for Crossing photos

    Hide Field Photo_W ▲

FIELD Longitude ▶

* ALIAS   Longitude

* DATA TYPE   Double

* WIDTH   8

* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   Longitude coordinate of the crossing

DESCRIPTION SOURCE
   NCDOT

RANGE OF VALUES
   MINIMUM VALUE   -84.038128
   MAXIMUM VALUE   -76.095401
   UNITS OF MEASURE   Decimal Degrees

Hide Field Longitude ▲

FIELD PolCont ▶
ALIAS   Emergency Contact
* DATA TYPE   String
* WIDTH   100
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   Value represents the telephone number (area code and phone number) for the Emergency Notification
   System Contact (e.g., Law Enforcement, Railroad Emergency Contact or State Emergency Contact)
   associated with the crossing. Normally, this will be the ENS telephone number posted at the crossing
   or along the railroad branch line. This should be a 24-hour number that can be called to speak with an
   Emergency Notification Center who can send emergency responder(s) to the crossing in the event of
   problems, signal malfunctions, or other emergencies at the crossing. Note: 911 cannot be used as
   the Emergency Notification Telephone No.

DESCRIPTION SOURCE
   NCDOT

DESCRIPTION OF VALUES
   Any 10-digit phone number

Hide Field PolCont ▲

FIELD WARNING_TYPE ▶
* ALIAS   Warning Type
* DATA TYPE   String
* WIDTH   50
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   The type of device installed at the railroad crossing which provides the highest level of warning
   regarding possible rail activity to a highway user.

DESCRIPTION SOURCE
   NCDOT

LIST OF VALUES
   VALUE   00 - NONE
   DESCRIPTION   No warning devices installed at crossing
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

   VALUE   01 - CROSSBUCKS

DESCRIPTION   Crossbuck signs (MUTCD R15-1) installed at crossing
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   02 - TRAFFIC SIGNAL
DESCRIPTION   Highway traffic signal installed at nearby highway intersection which controls traffic over crossing but does not detect approaching trains, with no other rail-related warning devices present
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   03 - T. SIGNAL PRE.
DESCRIPTION   Highway traffic signal installed at nearby highway intersection which controls traffic over crossing and does detect approaching trains, reacting to preempt normal operations and clear highway traffic off the crossing; might include train activated blank-out signs with the highway traffic signals, but no other train-activated warning devices present.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   04 - FLASHERS
DESCRIPTION   Train activated flashing lights and bells installed at crossing on a vertical mast, with no crossing gate arms present.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   05 - CANTILEVERS
DESCRIPTION   Train activated flashing lights and bells installed on a cantilevered structure over the traffic lanes, with no crossing gate arms present.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   06 - GATES
DESCRIPTION   Train activated flashing lights, bells, and crossing gate arms installed along the highway approaches to a crossing ("entrance gates" only) on a vertical mast.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   07 - GATES AND CANT.
DESCRIPTION   Train activated flashing lights, bells, and crossing gate arms installed along the highway approaches to a crossing ("entrance gates" only) on, or accompanying a cantilevered structure over the traffic lanes.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   08 - 4-QUAD GATES
DESCRIPTION   Train activated flashing lights, bells, and crossing gate arms installed along the highway approaches to, and departures from a crossing ("entrance gates" and "exit gates"). The equipment can be installed on vertical masts or cantilevered structures over the traffic lanes.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   09 - VEHICLE DETECTION
DESCRIPTION   4-Quad Gates assembly with an additional vehicle detection system installed at the crossing which is capable of detecting and reporting in real-time the presence of a vehicle on the crossing and may adjust the lowering of the crossing "exit gates" as necessary to allow vehicles to clear the crossing.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

Hide Field WARNING_TYPE ▲

FIELD LrsRouteid ►
  * ALIAS   LRS Route ID
  * DATA TYPE   String
  * WIDTH   20
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
    The Route ID of the dominant route the crossing is located on, as defined by the Linear Referencing System (LRS) maintained by NCDIT-T's GIS Unit. When a route is represented by multiple lines (e.g.

Divided Highways), the Route ID and Milepost are taken from the Highway Inventory Route (e.g. Northbound or Eastbound route) if the crossing number covers both travel directions.

DESCRIPTION SOURCE
NCDOT

DESCRIPTION OF VALUES
Positive 11-digit numbers (text field) used as a unique identifier for routes across the state.

Hide Field LrsRouteid ▲

FIELD LrsMilePost ►
 * ALIAS   LRS Milepost
 * DATA TYPE   Double
 * WIDTH   8
 * PRECISION   0
 * SCALE   0
FIELD DESCRIPTION
The milepost the crossing is located on the dominant route of the Linear Referencing System (LRS) maintained by NCDIT-T's GIS Unit. When a route is represented by multiple lines (e.g. Divided Highways), the Route ID and Milepost are taken from the Highway Inventory Route (e.g. Northbound or Eastbound route) if the crossing number covers both travel directions.

DESCRIPTION SOURCE
NCDOT

RANGE OF VALUES
 MINIMUM VALUE   0
 MAXIMUM VALUE   999

Hide Field LrsMilePost ▲

Hide Details for object RailroadCrossings ▲

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   2024-10-17

ARCGIS METADATA PROPERTIES
 METADATA FORMAT   ArcGIS 1.0
 METADATA STYLE   FGDC CSDGM Metadata
 STANDARD OR PROFILE USED TO EDIT METADATA   ISO19139

 CREATED IN ARCGIS FOR THE ITEM   2024-10-17   13:53:07
 LAST MODIFIED IN ARCGIS FOR THE ITEM   2024-10-22   94:33:10

AUTOMATIC UPDATES
 HAVE BEEN PERFORMED   Yes

LAST UPDATE   2024-10-22   09:43:18

Hide Metadata Details ▲

Metadata Contacts ▶

METADATA CONTACT
  INDIVIDUAL'S NAME   Todd Meyer
  ORGANIZATION'S NAME   NCDOT Rail Division
  CONTACT'S POSITION   Inventory & Data Analysis Manager
  CONTACT'S ROLE   custodian

  CONTACT INFORMATION   ▶
  PHONE
    VOICE   9197074121

  ADDRESS
    TYPE   postal
    DELIVERY POINT   1556 Mail Service Center
    CITY   Raleigh
    ADMINISTRATIVE AREA   NC
    POSTAL CODE   27699
    COUNTRY   US
    E-MAIL ADDRESS   tmeyer@ncdot.gov

  Hide Contact information ▲

Hide Metadata Contacts ▲

Metadata Maintenance ▶

MAINTENANCE
  DATE OF NEXT UPDATE   2025-01-01   01:00:00
  UPDATE FREQUENCY   quarterly

Hide Metadata Maintenance ▲

Metadata Constraints ▶

CONSTRAINTS
  LIMITATIONS OF USE

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SECURITY CONSTRAINTS

CLASSIFICATION   unclassified
CLASSIFICATION SYSTEM   None

ADDITIONAL RESTRICTIONS
None

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Hide Metadata Constraints ▲