LRS Editing System: Source Document Events, Continuous Capture – NC Department of Transportation

SDE Geodatabase Feature Class

Tags

Linear Referencing System, Event, Measure, Line, North Carolina, NCDOT, Transportation, Highway, Roads, Routes, Centerline, State Highway Network, Inventory, Transportation Planning, Location, Source Document

Summary

This feature class contains measured occurrences (events) of routes classified by the type of source documentation that created the segment or caused the most recent official change. These are represented as lines aligned to NCDOT's Linear Reference System (LRS) Network of routes. Attributes containing Event ID and the NCDOT 11-digit Route ID are included. This event also contains the following attributes: Source Document ID and Source Document Type. For each linear event occurrence, From Measure and To Measure fields provide beginning and end locations of the event along the NCDOT's MilePoint route network. Measures represent a location along a route based on distance from the route's origin. The measure is captured in miles. The precision is to the 6th decimal in the tabular column. Measure precision on the shape is to the 7th decimal. This is one of many events included in NCDOT's LRS, representing route characteristic attributes of the NCDOT state road system. The LRS route network is comprised of Interstate, US, NC, Secondary Roads, Ramps, and non-state maintained and projected roads required for federal reporting purposes.

Description

These events are measured by the source documentation type such as a County Petition, Municipal agreement, Transportation Improvement Project, or Project Alignment to either create the road segment or cause the most recent change. These values are in the SourceDocumentType field. A value of Not-Verified indicates either legacy segments or that the source document is unknown.

NCDOT adopted the road centerline based LRS Network as it's official Enterprise LRS, to which multiple road inventory attributes are referenced along measured routes throughout North Carolina. These routes are classified as either System or Non-System routes. System routes are routes within the state-maintained road network, and are comprised of Interstates, US Routes, NC Routes, Secondary Routes, Ramps, and Non-System Routes. Non-System routes are routes that are typically not maintained by NCDOT, but instead by a local agency (county, city or MPO/RPO). The local agency is the source for updating these Non-System route in NCDOT's LRS.

An LRS is a system for storing geographic locations along linear elements using relative locations. Location is given in terms of a known linear feature and a position, or measure, along it based on a distance from a known point of origin. The road centerline feature class is the geometry source from which NCDOT's routes are created in the LRS. The collection of routes, System and Non-System, is the NCDOT LRS Network referred to as MilePoint. For NCDOT, MilePoint provides the linear measures in miles, from the origin of each route. Events are stored on or along routes. Events are continuous linear or point features and can be anything that occurs on or describes a route. Examples in NCDOT's LRS are speed limit, lane width, functional class, surface type, ownership, or highway exit. Events describe an attribute of a route and have a location along the route (measured by the distance, in miles for NCDOT's LRS, from the start of the route). Multiple sets of road attributes (events) can be associated with any portion of the underlying routes. This allows the events to be independent of where the route of begins and ends, preventing the linework split each time there is an attribute value change.

The GIS Unit of the North Carolina Department of Information Technology-Transportation (NCDIT-T) has been tasked with developing and maintaining NCDOT's Linear Referencing System. The GIS Unit employs the use of GIS spatial layers to reference LRS data to real world locations. The integration of LRS to spatial layers provides a means to analyze data using GIS methods, facilitates the creation of cartographic products, and allows the enforcement of business rules. The unit is authorized to edit the LRS to match official documentation. This also includes the capture of attributes (event data) that are referenced to the linework. The NCDOT road centerline is a spatial representation of official documentation of what roads or sections of roads are physically maintained by the State. Changes to the spatial representation of the road centerline for NCDOT are authorized by the NC Board of Transportation or other business units within NCDOT.

Editing of the LRS at NCDOT is performed by multiple contributing business unit data owners. This designates it as an enterprise GIS data editing system. The GIS Unit at NCDIT-T modifies the LRS Network routes by creating, editing, or retiring based on official change notification from various NCDOT sources. Once the routes have been edited, business units may update their event data as found on the routes based on the same or additional documentation. Business units edit the LRS events using Esri's ArcGIS Event Editor, a map-centric web app that supports linear referenced event data editing via feature services. Some events are also maintained by the GIS Unit at NCDIT-T. More information about Event Editor is available here: https://enterprise.arcgis.com/en/roads-highways/latest/event-editor/what-is-event-editor.htm.

Credits
The North Carolina Department of Transportation, Division of Highways.

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
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.

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Extent

West -84.421464   **East** -75.418363
North 36.615122   **South** 33.751362

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:500,000

ArcGIS Metadata ▶

Topics and Keywords ▶

THEMES OR CATEGORIES OF THE RESOURCE   location, society, transportation

CONTENT TYPE   Geographic Services
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION   No

PLACE KEYWORDS   North Carolina

THESAURUS ▶
TITLE   User
CREATION DATE   2016-10-13   00:00:00
PUBLICATION DATE   2016-10-13   00:00:00

THEME KEYWORDS   Line, Linear Referencing System, Event, Measure, Line, NCDOT, Transportation, Highway, Roads, Routes, Centerline, State Highway Network, Inventory, Source Document.

THESAURUS   ►
TITLE   User
CREATION DATE   2016-10-13   00:00:00
PUBLICATION DATE   2016-10-13   00:00:00

Citation ►

TITLE   LRS Editing System: Source Document Events, Continuous Capture – NC Department of Transportation
ALTERNATE TITLES   LRSE_SourceDocument
CREATION DATE   2016-10-13   00:00:00
PUBLICATION DATE   2016-10-13   00:00:00

PRESENTATION FORMATS   * digital map
FGDC GEOSPATIAL PRESENTATION FORMAT   vector digital data

Citation Contacts ►

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   originator

CONTACT INFORMATION   ►
ADDRESS
TYPE   physical
DELIVERY POINT   Century Center Building B, 1020 Birch Ridge Drive
CITY   Raleigh
ADMINISTRATIVE AREA   North Carolina
POSTAL CODE   27610
COUNTRY   US
E-MAIL ADDRESS   gishelp@ncdot.gov

HOURS OF SERVICE
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, indicate as such in the subject line in an email.

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   ▶
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Hide Contact information ▲

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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   Esri ArcGIS 12.9.3.32739

CREDITS

The North Carolina Department of Transportation, Division of Highways.

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
  VERTICAL EXTENT
   * MINIMUM VALUE   -7.400000
   * MAXIMUM VALUE   6577.400000

EXTENT
  GEOGRAPHIC EXTENT
   BOUNDING RECTANGLE
    EXTENT TYPE   Extent used for searching
    * WEST LONGITUDE   -84.421464
    * EAST LONGITUDE   -75.418363
    * NORTH LATITUDE   36.615122
    * SOUTH LATITUDE   33.751362
    * EXTENT CONTAINS THE RESOURCE   Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
   * WEST LONGITUDE   406980.080272
   * EAST LONGITUDE   3051823.000288
   * SOUTH LATITUDE   42564.600160
   * NORTH LATITUDE   1042848.119824
   * 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
    TYPE   physical
    DELIVERY POINT   Century Center Building B, 1020 Birch Ridge Drive
    CITY   Raleigh
    ADMINISTRATIVE AREA   North Carolina
    POSTAL CODE   27610
    COUNTRY   US
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   Hide Contact information ▲

Hide Resource Points of Contact ▲

Resource Maintenance ▶

UPDATE FREQUENCY   continual

SCOPE OF THE UPDATES   dataset

OTHER MAINTENANCE REQUIREMENTS
The North Carolina Department of Transportation, Division of Highways 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
TYPE   physical
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ADMINISTRATIVE AREA   North Carolina
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COUNTRY   US
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Hide Contact information ▲

Hide Resource Maintenance ▲

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

LIMITATIONS OF USE
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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   1893.9393939393938
    Z ORIGIN   -100000
    Z SCALE   9.9999999999999982
    M ORIGIN   -100000
    M SCALE   10000000
    XY TOLERANCE   0.00528
    Z TOLERANCE   0.20000000000000004
    M TOLERANCE   9.9999999999999995e-007
    HIGH PRECISION   true
    LATEST WELL-KNOWN IDENTIFIER   2264
    VCSWKID   105703
    LATESTVCSWKID   6360
    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]],V

ERTCS["NAVD_1988_Foot_US",VDATUM["North_American_Vertical_Datum_1988"],PARAMETER["Vertic al_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot_US",0.3048006096012192]]

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   LRSE_SourceDocument
* OBJECT TYPE   composite
* OBJECT COUNT   97223

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES   ▶
FEATURE CLASS NAME   LRSE_SourceDocument
* FEATURE TYPE   Simple
* GEOMETRY TYPE   Polyline
* HAS TOPOLOGY   FALSE
* FEATURE COUNT   97223
* SPATIAL INDEX   TRUE
* LINEAR REFERENCING   TRUE

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
Contributing editors are responsible for the quality control and assessment of data at the time of data entry. Additional resources may be utilized by the data owner/editor groups to assess quality of data on a more comprehensive scale. The primary tool in use for quality assessment in the NCDOT LRS Editing System is Esri's Data Reviewer extension. The quality of this data is subject to the oversight of the editing party.

CONFORMANCE TEST RESULTS
TEST PASSED   Yes
RESULT EXPLANATION

Pass.

TITLE   NCDOT Geospatial Data Specifications
CREATION DATE   2016-10-13   00:00:00
PUBLICATION DATE   2016-10-13   00:00:00

Hide Product specification ▲

Hide Data quality report - Completeness commission ▲

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY   ▶
MEASURE DESCRIPTION
Contributing editors are responsible for the quality control and assessment of data at the time of data entry. Additional resources may be utilized by the data owner/editor groups to assess quality of data on a more comprehensive scale. The primary tool in use for quality assessment in the NCDOT LRS Editing System is Esri's Data Reviewer extension. The quality of this data is subject to the oversight of the editing party.

CONFORMANCE TEST RESULTS
TEST PASSED   Yes
RESULT EXPLANATION
Pass.

PRODUCT SPECIFICATION   ▶
TITLE   NCDOT Geospatial Data Specifications
CREATION DATE   2016-10-13   00:00:00
PUBLICATION DATE   2016-10-13   00:00:00

Hide Product specification ▲

Hide Data quality report - Conceptual consistency ▲

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY   ▶
MEASURE DESCRIPTION
Contributing editors are responsible for the quality control and assessment of data at the time of data entry. Additional resources may be utilized by the data owner/editor groups to assess quality of data on a more comprehensive scale. The primary tool in use for quality assessment in the NCDOT LRS Editing System is Esri's Data Reviewer extension. The quality of this data is subject to the oversight of the editing party.

CONFORMANCE TEST RESULTS
TEST PASSED   Yes
RESULT EXPLANATION
Pass.

TITLE   NCDOT Geospatial Data Specifications
CREATION DATE   2016-10-13   00:00:00
PUBLICATION DATE   2016-10-13   00:00:00

Hide Product specification ▲

Hide Data quality report - Quantitative attribute accuracy ▲

Hide Data Quality ▲

Lineage ▶

LINEAGE STATEMENT
LRS editing is done across many NCDOT business units on an enterprise system using Esri's ArcGIS Event Editor web mapping application. This dataset was originally developed by the North Carolina Department of Transportation in conjunction with the GIS Unit at NCDIT-T, to provide a geographic representation of route Source Document type in North Carolina. The GIS Unit modifies the LRS Network routes by creating, editing, or retiring based on official change notification from various NCDOT sources. Once the routes have been edited, business units may update their data as found on the routes based on the same or additional documentation. Web mapping services are created from some of the events. The LRS supports systems, web applications, and geospatial data needs across NCDOT business units, as well as submittal to the Federal Highway Administration's Highway Performance Monitoring System (HPMS).

PROCESS STEP   ▶
WHEN THE PROCESS OCCURRED   2016-10-13   00:00:00
DESCRIPTION
Development and maintenance of NCDOT's Linear Referencing System. This includes the road centerline, route network, some events, and other related spatial data.

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   originator

CONTACT INFORMATION   ▶
ADDRESS
TYPE   physical
DELIVERY POINT   Century Center Building B, 1020 Birch Ridge Drive
CITY   Raleigh
ADMINISTRATIVE AREA   North Carolina
POSTAL CODE   27610
COUNTRY   US
E-MAIL ADDRESS   gishelp@ncdot.gov

HOURS OF SERVICE
9:00am - 5:00pm Monday - Friday

CONTACT INSTRUCTIONS
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PROCESS STEP ▶
WHEN THE PROCESS OCCURRED   2016-10-13   00:00:00
DESCRIPTION
Routes are created, edited, and/or retired based on official change notification from various NCDOT sources. Road attribute-only information is also provided to the GIS Unit. Once the routes have been edited, business units may update their data as found on the routes based on the same or additional documentation.

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   resource provider

CONTACT INFORMATION ▶
ADDRESS
TYPE   physical
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PROCESS STEP ▶
WHEN THE PROCESS OCCURRED   2016-10-13   00:00:00
DESCRIPTION
Road attributes (event data) are referenced to the LRS network (routes). The event is edited by the NCDOT [Business Unit] in an enterprise environment using Esri's online ArcGIS Event Editor software.

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

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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   originator

      CONTACT INFORMATION   ►
        ADDRESS
          TYPE   physical
          DELIVERY POINT   Century Center Building B, 1020 Birch Ridge Drive
          CITY   Raleigh
          ADMINISTRATIVE AREA   North Carolina
          POSTAL CODE   27610
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        immediate need, indicate as such in the subject line in an email.

      Hide Contact information ▲

  Hide Distributor ▲

DISTRIBUTION FORMAT
  NAME   SDE Geodatabase Feature Class
  VERSION   10.8.1

Hide Distribution ▲

Fields ▶

Type   SDE Geodatabase Feature Class
* Row count   97223
Definition
Source Document

Definition source
North Carolina Department of Transportation

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 FromDate ▶
* Alias   FromDate
* Data type   Date
* Width   8
* Precision   0

* SCALE   0
FIELD DESCRIPTION
    The date the event becomes active on the route.

DESCRIPTION SOURCE
    NCDOT

DESCRIPTION OF VALUES
    Dates vary.

Hide Field FromDate ▲

FIELD ToDate ►
  * ALIAS   ToDate
  * DATA TYPE   Date
  * WIDTH   8
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
      The date the event is retired on the route.

  DESCRIPTION SOURCE
      NCDOT

  DESCRIPTION OF VALUES
      Dates vary.

Hide Field ToDate ▲

FIELD EventID ►
  * ALIAS   EventID
  * DATA TYPE   String
  * WIDTH   50
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
      The unique ID for each event record.

  DESCRIPTION SOURCE
      NCDOT

  DESCRIPTION OF VALUES
      Values vary.

Hide Field EventID ▲

FIELD RouteID ►
  * ALIAS   RouteID
  * DATA TYPE   String
  * WIDTH   255
  * PRECISION   0

* SCALE   0
FIELD DESCRIPTION
The NCDOT eleven-digit number for each route in the network. More information explaining this route naming convention used by NCDOT is available here: https://xfer.services.ncdot.gov/gisdot/DistDOTData/Guide%20to%20the%20NCDOT%20Eleven-Digit%20Route%20Number%20-%20Rome%20Implementation.pdf

DESCRIPTION SOURCE
NCDOT

DESCRIPTION OF VALUES
Values vary.

Hide Field RouteID ▲

FIELD FromMeasure ▶
* ALIAS   FromMeasure
* DATA TYPE   Double
* WIDTH   8
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
The measure on the route where the beginning of the event is located. The measure is captured in miles. The precision is to the 6th decimal in the tabular column. Measure precision on the shape is to the 7th decimal.

DESCRIPTION SOURCE
NCDOT

DESCRIPTION OF VALUES
Values vary.

Hide Field FromMeasure ▲

FIELD SourceDocumentID ▶
* ALIAS   SrcDocID
* DATA TYPE   String
* WIDTH   30
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
The document reference that created the segment or caused the most recent official change. Typical values are the TIP number or the Petition number. This field should be used with the Source Document Type field.

DESCRIPTION SOURCE
NCDOT

DESCRIPTION OF VALUES
Values vary.

Hide Field SourceDocumentID ▲

FIELD SourceDocumentType ▶
* ALIAS   SrcDocType
* DATA TYPE   String
* WIDTH   2
* PRECISION   0
* SCALE   0
DESCRIPTION SOURCE
    NCDOT

FIELD DESCRIPTION
    The type of source documentation that created the segment or caused the most recent official
    change.

LIST OF VALUES
  VALUE   Not-Verified
  DESCRIPTION   Indicates either legacy segments or that the source document is unknown.
  ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

  VALUE   Petition
  DESCRIPTION   County petition. The petition number is stored in the Source Document field.
  ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

  VALUE   TIP
  DESCRIPTION   Transportation Improvement Project. TIP or Project; the project number is stored in the
  Source Document field.
  ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

  VALUE   Project Alignment
  DESCRIPTION   Project Alignment document.
  ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

  VALUE   Municipal Agreement
  DESCRIPTION   Municipal Agreement, the municipal agreement number is stored in the Source Document
  field.
  ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

  VALUE   Other
  DESCRIPTION   Source document is of some other type.
  ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

  Hide Field SourceDocumentType ▲

FIELD ToMeasure ▶
* ALIAS   ToMeasure
* DATA TYPE   Double
* WIDTH   8
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    The measure on the route where the end of the event is located. The measure is captured in miles.
    The precision is to the 6th decimal in the tabular column. Measure precision on the shape is to the 7th
    decimal.

DESCRIPTION SOURCE
    NCDOT

DESCRIPTION OF VALUES

Values vary.

FIELD LocError ▶
  * ALIAS   LocError
  * DATA TYPE   String
  * WIDTH   100
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
    The location error for the event. Values are generated as part of an internal Esri software QC process for the event time slice on the matching route time slice. Possible values listed below.
    NO ERROR: The event measures match or are within the route measures.

    MEASURE EXTENT OUT OF ROTE MEASURE RANGE: The event measures for the FromMeasure and To Measure fields (Measure fields for point events) are outside the route measures for that time slice.

    PARTIAL MATCH FOR THE FROM-MEASURE: The event FromMeasure values are greater than the route FromMeasure values, i.e., if the route FromMeasure is 0 then the event FromMeasure is a negative value or the event has "slid" off the front of the route.

    PARTIAL MATCH FOR THE TO-MEASURE: The event ToMeasure values are greater the route ToMeasure values, i.e., if the route ToMeasure is 1.0 then the event ToMeasure is 1.01 or the event has "slid" off the end of the route.

    ROUTE LOCATION NOT FOUND: The event xy coordinates do not match the route xy coordinates. Typically this is caused by Esri's ArcGIS Roads & Highways software not cleaning up a route edit correctly.

    ROUTE NOT FOUND: The event time slice does not match the route timeslice, i.e., the event is active and the route is not active. Typically this is caused by Esri's ArcGIS Roads & Highways software not cleaning up a route edit correctly.

    ZERO LENGTH EXTENT: The event FromMeasure and ToMeasure values are the same, i.e., a point. Typically this is caused by Esri's ArcGIS Roads & Highways software not cleaning up a route edit correctly.

  DESCRIPTION SOURCE
    NCDOT

  DESCRIPTION OF VALUES
    Values vary.

FIELD CreatedUser ▶
  * ALIAS   CreatedUser
  * DATA TYPE   String
  * WIDTH   255
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
    User name who created the event record.

DESCRIPTION SOURCE
    NCDOT

DESCRIPTION OF VALUES
    Values vary.

Hide Field CreatedUser ▲

FIELD CreatedDate ▶
  * ALIAS   CreatedDate
  * DATA TYPE   Date
  * WIDTH   8
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
    Date event record was created.

DESCRIPTION SOURCE
    NCDOT

DESCRIPTION OF VALUES
    Dates vary.

Hide Field CreatedDate ▲

FIELD LastEditedUser ▶
  * ALIAS   LastEditedUser
  * DATA TYPE   String
  * WIDTH   255
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
    User name who last edited the event record.

DESCRIPTION SOURCE
    NCDOT

DESCRIPTION OF VALUES
    Values vary.

Hide Field LastEditedUser ▲

FIELD GlobalID ▶
  * ALIAS   GlobalID
  * DATA TYPE   GlobalID
  * WIDTH   38
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION

A field of type UUID (Universal Unique Identifier) in which values are automatically assigned by the geodatabase when a row is created. The GlobalID field is necessary for maintaining object uniqueness across replicas. All feature classes and tables participating in one-way or two-way replication must contain the GlobalID field. This field is not editable and is automatically populated when it is added for existing data.

DESCRIPTION SOURCE
NCDOT

Hide Field GlobalID ▲

FIELD LastEditedDate ▶
* ALIAS   LastEditedDate
* DATA TYPE   Date
* WIDTH   8
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
Most recent date the event record was edited.

DESCRIPTION SOURCE
NCDOT

DESCRIPTION OF VALUES
Dates vary.

Hide Field LastEditedDate ▲

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 ▲

Hide Details for object LRSE_SourceDocument ▲

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   2022-12-02

ARCGIS METADATA PROPERTIES
  METADATA FORMAT   ArcGIS 1.0
  STANDARD OR PROFILE USED TO EDIT METADATA   ISO19139

  CREATED IN ARCGIS FOR THE ITEM   2022-09-03   17:01:23
  LAST MODIFIED IN ARCGIS FOR THE ITEM   2022-12-02   15:13:35

  AUTOMATIC UPDATES
    HAVE BEEN PERFORMED   Yes
    LAST UPDATE   2022-12-02   15:13:35

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   Century Center Building B, 1020 Birch Ridge Drive
      CITY   Raleigh
      ADMINISTRATIVE AREA   North Carolina
      POSTAL CODE   27610
      COUNTRY   US
      E-MAIL ADDRESS   gishelp@ncdot.gov

    HOURS OF SERVICE
      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, 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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Hide Contact information ▲

Hide Metadata Maintenance ▲

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.

      This data should be used for planning, maintenance, and decision-making support purposes only. It should be used only by those who fully understand the extents, limitations, and content of the data. This data should not be used for routing. The data should not be used in place of field survey or data collection efforts that are normally performed by licensed professionals and it should not replace any data collection efforts that are typically required as a part of detailed design and construction efforts.

SECURITY CONSTRAINTS
  CLASSIFICATION   unclassified
  CLASSIFICATION SYSTEM   None

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Hide Metadata Constraints ▲

Thumbnail and Enclosures ▶

THUMBNAIL
THUMBNAIL TYPE   JPG

Hide Thumbnail and Enclosures ▲