SIP_CRASH_ARC

Data format: SDE Feature Class

File or table name: SDV_PUBLIC.SIP_CRASH_ARC

Coordinate system: Lambert Conformal Conic

Theme keywords: Roads, Major Roads, State maintained roads, Interstate, Highways, Streets, Centerline, Crash, NC, US, SR, Primary, Secondary, Crash

Abstract: This is a digital file of the North Carolina Department of Transportation's Linear Referencing System that represents portions of state-maintained roads that meet crash criteria along the NCDOT state road system.

FGDC and ESRI Metadata:

- Identification Information
- Data Quality Information
- Spatial Data Organization Information
- Spatial Reference Information
- Entity and Attribute Information
- Distribution Information
- Metadata Reference Information
- Geoprocessing History

Metadata elements shown with blue text are defined in the Federal Geographic Data Committee's (FGDC) *Content Standard for Digital Geospatial Metadata (CSDGM)*. Elements shown with green text are defined in the *ESRI Profile of the CSDGM*. Elements shown with a green asterisk (*) will be automatically updated by ArcCatalog. ArcCatalog adds hints indicating which FGDC elements are mandatory; these are shown with gray text.

Identification Information:

Citation:
Citation information:
Originators: NCDOT GIS Unit and Highway Safety Improvement Program Group

Title:
SIP_CRASH_ARC
*File or table name: SDV_PUBLIC.SIP_CRASH_ARC

Publication date: 08/01/2012
*Geospatial data presentation form: vector digital data

Other citation details:
Linework is current with the 3rd Quarter, 2012, release; and the Crash Table provided by the NCDOT Highway Safety Improvement Program Group reported crashes from 2007-2011.

Online linkage: NA

Description:
Abstract:
This is a digital file of the North Carolina Department of Transportation's Linear Referencing System that represents portions of state-maintained roads that meet crash criteria along the NCDOT state road system.

Purpose:
For visual representation of portions of state-maintained roads that meet the crash criteria defined by the North Carolina Department of Transportation.

Supplemental information:
This file should not be used for routing.

*Language of dataset: en

Time period of content:
    Time period information:
        Single date/time:
            Calendar date: 08/01/2012
            Time of day: unknown

    Currentness reference:
        Linework - 8/01/12; Crash table - 2007-2011

Status:
    Progress: In work
    Maintenance and update frequency: Irregular

Spatial domain:
    Bounding coordinates:
        *__West bounding coordinate:__ -84.275887
        *__East bounding coordinate:__ -75.612367
        *__North bounding coordinate:__ 36.597540
        *__South bounding coordinate:__ 33.782887

    Local bounding coordinates:
        *__Left bounding coordinate:__ 449496.808207
        *__Right bounding coordinate:__ 2995022.751161
        *__Top bounding coordinate:__ 1036446.154056
        *__Bottom bounding coordinate:__ 51837.232902

Keywords:
    Theme:
        Theme keywords: Roads, Major Roads, State maintained roads, Interstate, Highways, Streets, Centerline, Crash
        Theme keyword thesaurus: ISO 19115 Topic Category

    Theme:
        Theme keywords: NC, US, SR, Primary, Secondary, Crash
        Theme keyword thesaurus: User

    Place:
        Place keywords: North Carolina, Division, County
        Place keyword thesaurus: User

Access constraints: None
Use constraints:
    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.

Point of contact:
    Contact information:
        Contact organization primary:
            Contact organization: North Carolina Department of Transportation Geographic Information Systems Unit
        Contact position: GIS Help Desk

        Contact address:
            Address type: mailing and physical address
            Address:
                4101 Capital Blvd
            City: Raleigh
            State or province: North Carolina
            Postal code: 27604
            Country: USA

        Contact voice telephone: 919.707.2152
        Contact facsimile telephone: 919.707.2214

        Contact electronic mail address: gishelp@ncdot.gov

Hours of service: 8am to 5pm, M-F
Contact instructions:
Phone or e-mail.

For additional information on the source Crash data, contact Stephen Lowry of the Highway Safety Improvement Program Group at 919-773-2892 or slowry@ncdot.gov.

Security information:
Security classification system: None
Security classification: Unclassified
Security handling description: None

*__Native dataset format:__ SDE Feature Class
*__Native data set environment:__
Microsoft Windows Vista Version 6.1 (Build 7600) ; ESRI ArcCatalog 9.3.1.3000

Cross reference:
Citation information:

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Data Quality Information:

Attribute accuracy:
Attribute accuracy report:
There are no measurement, precision, spatial, or data schema standards assigned to this data set.

Logical consistency report:
There are no measurement, precision, spatial, or data schema standards assigned to this data set.

Completeness report:
There are no measurement, precision, spatial, or data schema standards assigned to this data set.

Positional accuracy:
Horizontal positional accuracy:
Horizontal positional accuracy report:
There are no measurement, precision, spatial, or data schema standards assigned to this data set.

Vertical positional accuracy:
Vertical positional accuracy report:
There are no measurement, precision, spatial, or data schema standards assigned to this data set.

Lineage:
Source information:
Source scale denominator: 24000
Type of source media: paper
Source citation abbreviation:
USGS75_QUADS
Source contribution:
Data was originally acquired through digitizing of USGS 7.5 quad maps with scales of 1:24,000 and continuously refined and updated using past (1993 and 1998) DOQQ's and the most current available orthophotography.

Source time period of content:
Time period information:
Single date/time:
Calendar date: 08/01/2012
Time of day: unknown

Source currentness reference:
publication date

Process step:
Process description:
Data Conversion Group maintains state a current road network and NCDOT LRS in a geodatabase format.

Highway Safety Improvement Program Group maintains reported crashes in an Excel table.

Process software and version: ArcMap 9.3.1 and Excel
Process date: On going

Process contact:
    Contact information:
        Contact organization primary:
            Contact organization: North Carolina Department of Transportation Geographic Information Systems Unit
        Contact position: GIS Help Desk

        Contact address:
            Address type: mailing and physical address
            Address:
                4101 Capital Boulevard
            City: Raleigh
            State or province: North Carolina
            Postal code: 27604
            Country: USA

        Contact voice telephone: 919.707.2152
        Contact facsimile telephone: 919.707.2214

        Contact electronic mail address: gishelp@ncdot.gov

        Hours of service: 8am to 5pm, M-F
        Contact instructions:
            Phone or e-mail

Process step:
    Process description:
        Run internal program run to create co routes.

    Process date: July 2012

    Process contact:
        Contact information:
            Contact organization primary:
                Contact organization: North Carolina Department of Transportation Geographic Information Systems Unit
            Contact position: GIS Help Desk

            Contact address:
                Address type: mailing and physical address
                Address:
                    4101 Capital Boulevard
                City: Raleigh
                State or province: North Carolina
                Postal code: 27604
                Country: USA

            Contact voice telephone: 919.707.2152
            Contact facsimile telephone: 919.707.2214

            Contact electronic mail address: gishelp@ncdot.gov

            Hours of service: 8am to 5pm, M-F
            Contact instructions:
                Phone or e-mail

Process step:
    Process description:
        A separate crash table reporting crashes from 2007-2011 was linearly referenced along the routes generated in the previous step.

    Process software and version: ArcMap 9.3.1
    Process date: July 2012

    Process contact:

Contact information:
 Contact organization primary:
 Contact organization: North Carolina Department of Transportation Geographic Information Systems Unit
 Contact position: GIS Help Desk

 Contact address:
 Address type: mailing and physical address
 Address:
 4101 Capital Boulevard
 City: Raleigh
 State or province: North Carolina
 Postal code: 27604
 Country: USA

 Contact voice telephone: 919.707.2152
 Contact facsimile telephone: 919.707.2214

 Contact electronic mail address: gishelp@ncdot.gov

 Hours of service: 8am to 5pm, M-F
 Contact instructions:
 Phone or e-mail

Process step:
 Process description:
 Metadata is imported & revised.

 Process software and version: ArcCatalog 9.3.1
 Process date: July 2012

 Process contact:
 Contact information:
 Contact organization primary:
 Contact organization: North Carolina Department of Transportation Geographic Information Systems Unit
 Contact position: GIS Help Desk

 Contact address:
 Address type: mailing and physical address
 Address:
 4101 Capital Boulevard
 City: Raleigh
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 Hours of service: 8am to 5pm, M-F
 Contact instructions:
 Phone or e-mail

Process step:
 Process description:
 Dataset copied.

 Process date: 20120810
 Process time: 12565100

 Source used citation abbreviation:
 \\DOT\DFSROOT01\GROUPS-GISNH\GIS-SpatialDataMgmt\Maintenance\QuarterlyDataRefresh\SdvUpdate\Workspace\SIP_CRASH_ARC.gdb

Spatial Data Organization Information:

*Direct spatial reference method: Vector

Point and vector object information:
SDTS terms description:
   *Name: SDV_PUBLIC.SIP_CRASH_ARC
   *SDTS point and vector object type: String
   *Point and vector object count: 4237

ESRI terms description:
   *Name: SDV_PUBLIC.SIP_CRASH_ARC
   *ESRI feature type: Simple
   *ESRI feature geometry: Polyline
   *ESRI topology: FALSE
   *ESRI feature count: 4237
   *Spatial index: TRUE
   *Linear referencing: FALSE

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Spatial Reference Information:

Horizontal coordinate system definition:
Coordinate system name:
   *Projected coordinate system name: NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet
   *Geographic coordinate system name: GCS_North_American_1983

Planar:
Map projection:
   *Map projection name: Lambert Conformal Conic
   Lambert conformal conic:
      *Standard parallel: 34.333333
      *Standard parallel: 36.166667
      *Longitude of central meridian: -79.000000
      *Latitude of projection origin: 33.750000
      *False easting: 2000000.002617
      *False northing: 0.000000

Planar coordinate information:
   *Planar coordinate encoding method: coordinate pair
   Coordinate representation:
      *Abscissa resolution: 0.005000
      *Ordinate resolution: 0.005000
   *Planar distance units: survey feet

Geodetic model:
   *Horizontal datum name: North American Datum of 1983
   *Ellipsoid name: Geodetic Reference System 80
   *Semi-major axis: 6378137.000000
   *Denominator of flattening ratio: 298.257222

Vertical coordinate system definition:
Altitude system definition:
   *Altitude resolution: 1.000000
   *Altitude encoding method: Explicit elevation coordinate included with horizontal coordinates

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Entity and Attribute Information:

Detailed description:
   *Name: SDV_PUBLIC.SIP_CRASH_ARC

Entity type:
    *__Entity type label:__ SDV_PUBLIC.SIP_CRASH_ARC
    *__Entity type type:__ Feature Class
    *__Entity type count:__ 4237

Attribute:
    Attribute label: OBJECTID
    *__Attribute alias:__ OBJECTID
    Attribute definition:
        Internal feature number.
    Attribute definition source:
        ESRI

    *__Attribute type:__ OID
    *__Attribute width:__ 4
    *__Attribute precision:__ 10
    *__Attribute scale:__ 0

    Attribute domain values:
        Unrepresentable domain:
            Sequential unique whole numbers that are automatically generated.

Attribute:
    Attribute label: SGMNT
    *__Attribute alias:__ SGMNT
    Attribute definition:
        Unique ID in crash table
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

    *__Attribute type:__ String
    *__Attribute width:__ 255
    *__Attribute precision:__ 0
    *__Attribute scale:__ 0

Attribute:
    Attribute label: CNTY
    *__Attribute alias:__ CNTY
    Attribute definition:
        County number (0-99)
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

    *__Attribute type:__ Double
    *__Attribute width:__ 8
    *__Attribute precision:__ 38
    *__Attribute scale:__ 8

Attribute:
    Attribute label: ROUTE
    *__Attribute alias:__ ROUTE
    Attribute definition:
        8-digit route number
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

    *__Attribute type:__ Double
    *__Attribute width:__ 8
    *__Attribute precision:__ 38
    *__Attribute scale:__ 8

Attribute:
    Attribute label: BEGIN
    *__Attribute alias:__ BEGIN
    Attribute definition:
        Beginning milepost of roadway section
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

*Attribute type: Double
*Attribute width: 8
*Attribute precision: 38
*Attribute scale: 8

Attribute:
    Attribute label: END
    *Attribute alias: END
    Attribute definition:
        Ending milepost of roadway section
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

    *Attribute type: Double
    *Attribute width: 8
    *Attribute precision: 38
    *Attribute scale: 8

Attribute:
    Attribute label: COUNT
    *Attribute alias: COUNT
    Attribute definition:
        Total crash count for 5-year period
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

    *Attribute type: Double
    *Attribute width: 8
    *Attribute precision: 38
    *Attribute scale: 8

Attribute:
    Attribute label: FATAL
    *Attribute alias: FATAL
    Attribute definition:
        Number of crashes with fatal injuries for 5-year period
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

    *Attribute type: Double
    *Attribute width: 8
    *Attribute precision: 38
    *Attribute scale: 8

Attribute:
    Attribute label: DISABLING
    *Attribute alias: DISABLING
    Attribute definition:
        Disabling injury crashes
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

    *Attribute type: Double
    *Attribute width: 8
    *Attribute precision: 38
    *Attribute scale: 8

Attribute:
    Attribute label: EVIDENT
    *Attribute alias: EVIDENT
    Attribute definition:
        Evident injury crashes
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

    *Attribute type: Double
    *Attribute width: 8
    *Attribute precision: 38
    *Attribute scale: 8

Attribute:
    Attribute label: POSSIBLE
    *****Attribute alias:** POSSIBLE
    Attribute definition:
        Possible injury crashes
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

    *****Attribute type:** Double
    *****Attribute width:** 8
    *****Attribute precision:** 38
    *****Attribute scale:** 8

Attribute:
    Attribute label: PROPERTY
    *****Attribute alias:** PROPERTY
    Attribute definition:
        Property damage only crashes
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

    *****Attribute type:** Double
    *****Attribute width:** 8
    *****Attribute precision:** 38
    *****Attribute scale:** 8

Attribute:
    Attribute label: LANE_DEP
    *****Attribute alias:** LANE_DEP
    Attribute definition:
        Number of lane departure crashes for 5-year period
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

    *****Attribute type:** Double
    *****Attribute width:** 8
    *****Attribute precision:** 38
    *****Attribute scale:** 8

Attribute:
    Attribute label: FRONTAL
    *****Attribute alias:** FRONTAL
    Attribute definition:
        Frontal impact crashes
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

    *****Attribute type:** Double
    *****Attribute width:** 8
    *****Attribute precision:** 38
    *****Attribute scale:** 8

Attribute:
    Attribute label: REAR
    *****Attribute alias:** REAR
    Attribute definition:
        Rear end crashes
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

    *****Attribute type:** Double
    *****Attribute width:** 8
    *****Attribute precision:** 38
    *****Attribute scale:** 8

Attribute:
    Attribute label: ANIMAL
    *****Attribute alias:** ANIMAL

Attribute definition:
    Crashes involving an animal
Attribute definition source:
    NCDOT Highway Safety Improvement Program Group

***Attribute type:** Double
***Attribute width:** 8
***Attribute precision:** 38
***Attribute scale:** 8

Attribute:
    Attribute label: OTHER
    ***Attribute alias:** OTHER
    Attribute definition:
        Other crashes, those not described by one of the fields above
    Attribute definition source:
        NCDOT Highway Safety Improvement Program Group

    ***Attribute type:** Double
    ***Attribute width:** 8
    ***Attribute precision:** 38
    ***Attribute scale:** 8

Attribute:
    Attribute label: Shape
    ***Attribute alias:** Shape
    Attribute definition:
        Feature geometry.
    Attribute definition source:
        ESRI

    ***Attribute type:** Geometry
    ***Attribute width:** 4
    ***Attribute precision:** 0
    ***Attribute scale:** 0

    Attribute domain values:
        Unrepresentable domain:
            Coordinates defining the features.

Attribute:
    Attribute label: ROUTE10
    ***Attribute alias:** ROUTE10
    Attribute definition:
        10-digit concatenation of the 2-digit county code + the 8-digit NCDOT route number
    Attribute definition source:
        NCDOT GIS Unit

    ***Attribute type:** String
    ***Attribute width:** 10
    ***Attribute precision:** 0
    ***Attribute scale:** 0

Attribute:
    ***Attribute label:** SHAPE.LEN
    ***Attribute alias:** SHAPE.LEN

    ***Attribute type:** Double
    ***Attribute width:** 0
    ***Attribute precision:** 0
    ***Attribute scale:** 0

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Distribution Information:

    Distributor:
        Contact information:

Contact organization primary:
　　Contact organization: North Carolina Department of Transportation Geographic Information Systems Unit
Contact position: GIS Help Desk

Contact address:
　　Address type: mailing and physical address
　　Address:
　　　　4101 Capital Boulevard
　　City: Raleigh
　　State or province: North Carolina
　　Postal code: 27604
　　Country: USA

Contact voice telephone: 919.707.2152
Contact facsimile telephone: 919.707.2214

Contact electronic mail address: gishelp@ncdot.gov

Hours of service: 8am to 5pm, M-F
Contact instructions:
　　Phone or e-mail.

Resource description: Downloadable Data

Distribution liability:
　　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.

Standard order process:
　　Digital form:
　　　　Digital transfer information:
　　　　　　Format name: personal geodatabase
　　　　　　File decompression technique: no compression applied
　　　　　　Transfer size: variable

Available time period:
　　Time period information:
　　　　Single date/time:
　　　　　　Calendar date: 08/01/2012
　　　　　　Time of day: unknown

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Metadata Reference Information:

****Metadata date:** 20120816
Metadata review date: 20100129

****Language of metadata:** en

Metadata contact:
　　Contact information:
　　　　Contact organization primary:
　　　　　　Contact person: REQUIRED: The person responsible for the metadata information.
　　　　　　Contact organization: North Carolina Department of Transportation Geographic Information Systems Unit
　　　　Contact position: GIS Help Desk

　　　　Contact address:
　　　　　　Address type: mailing and physical address
　　　　　　Address:
　　　　　　　　4101 Capital Blvd.
　　　　　　City: Raleigh
　　　　　　State or province: North Carolina
　　　　　　Postal code: 27604

Country: USA

Contact voice telephone: 919.707.2152
Contact facsimile telephone: 919.707.2214

Contact electronic mail address: gishelp@ncdot.gov

Hours of service: 8am to 5pm, M-F
Contact instructions:
Phone or e-mail.

*Metadata standard name:** FGDC Content Standards for Digital Geospatial Metadata
*Metadata standard version:** FGDC-STD-001-1998
*Metadata time convention:** local time

Metadata access constraints: None
Metadata use constraints:
The North Carolina Department of Transportation shall not be held liable for any errors in this metadata. This includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. This data cannot be construed to be a legal document. Primary sources from which this data was compiled must be consulted for verification of information contained in this data.

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

Metadata extensions:
Online linkage: http://www.esri.com/metadata/esriprof80.html
Profile name: ESRI Metadata Profile

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Profile name: ESRI Metadata Profile

Metadata extensions:
*Online linkage:** http://www.esri.com/metadata/esriprof80.html
*Profile name:** ESRI Metadata Profile

Geoprocessing History: