

SDV_PUBLIC.TIP_ROAD_ARC

Data format: SDE Feature Class

File or table name: SDV_PUBLIC.TIP_ROAD_ARC

Coordinate system: Lambert Conformal Conic

Theme keywords: Transportation, Road Projects, Transportation Improvement Program, TIP 2012-2020

Abstract: The 2012-2020 TIP Road Projects layer contains 2012-2020 TIP road alignments. The layer is static. The layer represent the 2012-2020 TIP projects as they are defined at the beginning of the 2 year TIP cycle. Data will not be updated to reflect changes until the beginning of the next 2 year cycle. The layer contains all trust-fund eligible projects. The layer does not contain unfunded TIP projects or enhancement, landscape, rail, ferry, bicycle, public transportation, feasibility studies or governor highway safety projects. The corridors represented in the layer are not definite or final locations. TIP projects are subject to change during the planning or design process. All projects are subject to the availability of funds. The NCDOT GIS Unit obtained the individual 2012-2020 TIP Projects Microstation design file from the NCDOT TIP Unit. Using automated routines, the GIS Unit extracted the project alignment line segments, intersection points, and bridge points from the Microstation design files and merged them into the appropriate GIS layer. During the automated process the project number was assigned to the line segments, intersection points, or bridge points representing the project. To ensure the quality of the layers the GIS Unit compared the online copies of the TIP maps (<http://www.ncdot.org/planning/development/TIP/TIP/Trans/>) to printed GIS maps showing each project. The GIS layer was changed to match the online TIP Unit maps. Additionally, the GIS Unit obtained a list of projects from the TIP Unit that should exist within the layers and compared this list against the list of projects in the GIS layers. Any discrepancies were resolved so the GIS layer contained all of the projects on the list from the TIP Unit. The TIP layers developed by the GIS Unit are designed to be used for general planning only; NOT DETAILED DESIGN.

FGDC and ESRI Metadata:

- [Identification Information](#)
- [Data Quality Information](#)
- [Spatial Data Organization Information](#)
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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: The North Carolina Department of Transportation Geographic Information Systems Unit

***Title:**

SDV_PUBLIC.TIP_ROAD_ARC

***File or table name:** SDV_PUBLIC.TIP_ROAD_ARC

Publication date: Unknown

Publication time: Unknown

***Geospatial data presentation form:** vector digital data

Publication information:

Publication place: Raleigh, North Carolina

Publisher: The North Carolina Department of Transportation Geographic Information Systems Unit

Description:

Abstract:

The 2012-2020 TIP Road Projects layer contains 2012-2020 TIP road alignments.

The layer is static. The layer represent the 2012-2020 TIP projects as they are defined at the beginning of the 2 year TIP cycle. Data will not be updated to reflect changes until the beginning of the next 2 year cycle.

The layer contains all trust-fund eligible projects. The layer does not contain unfunded TIP projects or enhancement, landscape, rail, ferry, bicycle, public transportation, feasibility studies or governor highway safety projects.

The corridors represented in the layer are not definite or final locations. TIP projects are subject to change during the planning or design process. All projects are subject to the availability of funds.

The NCDOT GIS Unit obtained the individual 2012-2020 TIP Projects Microstation design file from the NCDOT TIP Unit. Using automated routines, the GIS Unit extracted the project alignment line segments, intersection points, and bridge points from the Microstation design files and merged them into the appropriate GIS layer.

During the automated process the project number was assigned to the line segments, intersection points, or bridge points representing the project.

To ensure the quality of the layers the GIS Unit compared the online copies of the TIP maps (<http://www.ncdot.org/planning/development/TIP/TIP/Trans/>) to printed GIS maps showing each project. The GIS layer was changed to match the online TIP Unit maps.

Additionally, the GIS Unit obtained a list of projects from the TIP Unit that should exist within the layers and compared this list against the list of projects in the GIS layers. Any discrepancies were resolved so the GIS layer contained all of the projects on the list from the TIP Unit.

The TIP layers developed by the GIS Unit are designed to be used for general planning only; NOT DETAILED DESIGN.

Purpose:

The TIP Roads layers were developed to assist in the planning of TIP projects using GIS technologies.

The TIP layers developed by the GIS Unit are designed to be used in general planning only; NOT DETAILED DESIGN.

***Language of dataset:** en

Time period of content:

Time period information:

Single date/time:

Calendar date: unknown

Currentness reference:

publication date

Status:

Progress: Complete

Maintenance and update frequency: Two year cycle.

Spatial domain:

Bounding coordinates:

- ***West bounding coordinate:** -84.394600
- ***East bounding coordinate:** -75.423740
- ***North bounding coordinate:** 36.599921
- ***South bounding coordinate:** 33.781225

Local bounding coordinates:

- ***Left bounding coordinate:** 414588.000000
- ***Right bounding coordinate:** 3050442.000000
- ***Top bounding coordinate:** 1037313.000000
- ***Bottom bounding coordinate:** 53048.000000

Keywords:

Theme:

Theme keywords: Transportation, Road Projects, Transportation Improvement Program, TIP 2012-2020

Theme keyword thesaurus: ISO 19115 Topic Category

Place:

Place keywords: North Carolina

Place keyword thesaurus: None

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: NC 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.

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 XP Version 5.1 (Build 2600) Service Pack 3; ESRI ArcCatalog 9.3.1.4000

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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 citation:

Citation information:

Originators: US Geological Survey

Title:

7.5 Series USGS Quad maps

Publication date: Unknown

Publication time: Unknown

Geospatial data presentation form: map

Publication information:

Publication place: Reston, Virginia

Publisher: US Geological Survey

Other citation details:

Published map series

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 refined and updated using 1993 and 1998 DOQQ's.

Source time period of content:

Time period information:

Single date/time:

Calendar date: unknown

Time of day: unknown

Source currentness reference:
publication date

Process step:

Process description:

Data was originally acquired through digitizing of USGS 7.5 quad maps with scales of 1:24,000 and refined and updated using 1993 and 1998 DOQQ's.

Process date: Unknown

Process contact:

Contact information:

Contact organization primary:

Contact organization: North Carolina Department of Transportation
Geographic Information Systems (GIS) Unit Programming & Analysis Section

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 added

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

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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:

Dataset copied.

Process date: 20100505

Process time: 09161500

Source used citation abbreviation:

\\DOT\DFSROOT01\GROUPS-GISNH\GIS-TechShare\SDVProject_Data\SDV Priority 1
Data\14STIP - Funded\TIP2009_2015.gdb

Process step:

Process description:

Metadata imported.

Process date: 20110416

Process time: 07195400

Source used citation abbreviation:

C:\Users\Phils_Projects\temp\SDV_PUBLIC.xml

Process step:

Process description:

Metadata imported.

Process date: 20110810

Process time: 13522900

Source used citation abbreviation:

C:\Users\metadata_arcs.xml

Process step:

Process description:

Dataset copied.

Process date: 20110817

Process time: 19411300

Source used citation abbreviation:

\\DOT\DFSROOT01\GROUPS-GISNH\GIS-
SpatialDataMgmt\WorkFlowProcedures\SdvUpdate\Workspace\TIP2012_2020Projects.gdb

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Spatial Data Organization Information:

***Direct spatial reference method:** Vector

Point and vector object information:

SDTS terms description:

***Name:** SDV_PUBLIC.TIP_ROAD_ARC

***SDTS point and vector object type:** String

***Point and vector object count:** 1051

ESRI terms description:

***Name:** SDV_PUBLIC.TIP_ROAD_ARC

***ESRI feature type:** Simple

***ESRI feature geometry:** Polyline

***ESRI topology:** FALSE

***ESRI feature count:** 1051

***Spatial index:** TRUE

***Linear referencing:** FALSE

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: 1.000000

*Ordinate resolution: 1.000000

*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: 0.000010

Altitude encoding method: Explicit elevation coordinate included with horizontal coordinates

Entity and Attribute Information:

Detailed description:

*Name: SDV_PUBLIC.TIP_ROAD_ARC

Entity type:

*Entity type label: SDV_PUBLIC.TIP_ROAD_ARC

*Entity type type: Feature Class

*Entity type count: 1051

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: 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: TIP_PRJCT_NBR

*Attribute alias: Tip Project Number

*Attribute type: String

*Attribute width: 10

*Attribute precision: 0

*Attribute scale: 0

Attribute:

Attribute label: BRKDWN_ID

*Attribute alias: Breakdown Identifier

*Attribute type: String

*Attribute width: 5

*Attribute precision: 0

*Attribute scale: 0

Attribute:

*Attribute label: CNTY_NAME

*Attribute alias: County Name

*Attribute type: String

*Attribute width: 254

*Attribute precision: 0

*Attribute scale: 0

Attribute:

Attribute label: TIP_ROAD_PRGRM_CD

*Attribute alias: Tip Road Program Code

*Attribute type: String

*Attribute width: 1

*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: NC 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:

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Standard order process:

Digital form:

Digital transfer information:

Format name: ESRI Shapefile

File decompression technique: no compression applied

Transfer size: 0.713

Digital transfer option:

Online option:

Computer contact information:

Network address:

Network resource name: [N/A](#)

Access instructions:

N/A

Online computer and operating system:

N/A

Fees: N/A

Custom order process:

none

Technical prerequisites:

ESRI Software

Available time period:

Time period information:

Range of dates/times:

Beginning date: unknown

Ending date: Present

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Metadata Reference Information:

***Metadata date:** 20110823

***Language of metadata:** en

Metadata contact:

Contact information:

Contact organization primary:

Contact person: REQUIRED: The person responsible for the metadata information.

Contact organization: NC Department of Transportation Geographic Information Systems Unit

Contact position: GIS Help Desk

Contact address:

Address type: mailing and physical address

Address:

4101 Capital Boulevard

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Contact electronic mail address: gishelp@ncdot.gov

Hours of service: 8am to 5pm, M-F

Contact instructions:

E-mail or phone

***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:

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Metadata extensions:

Online linkage: <http://www.esri.com/metadata/esriprof80.html>

Profile name: ESRI Metadata Profile

Metadata extensions:

***Online linkage:** <http://www.esri.com/metadata/esriprof80.html>

***Profile name:** ESRI Metadata Profile

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Geoprocessing History:

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