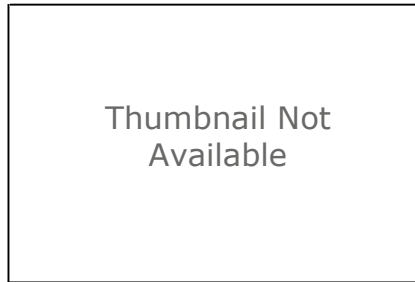


Concrete Mix Design Technician Certifications by ZIP Code, 2013-NC Dept. of Transportation

Personal GeoDatabase Feature Class



Tags

Materials & Tests Unit, North Carolina, NC, Certification, NCDOT, Concrete, Official NCDOT

Summary

Concrete Mix Design Technician Certifications by ZIP Code provides the distribution of certified concrete design technicians in and around North Carolina by ZIP code polygons. This will be used to find suitable locations for re-certification exams.

Description

Concrete Mix Design Technician Certifications by ZIP Code provides the distribution of certified concrete mix design technicians in and around North Carolina. The data is organized by ZIP code polygons where each ZIP code has a corresponding number of technicians attributed to it. Only ZIP codes with a value greater than zero are represented in this dataset.

Credits

There are no credits for this item.

Use limitations

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Extent

West -82.891468 **East** -76.656832
North 36.887590 **South** 33.845314

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 society, transportation, location

* CONTENT TYPE Downloadable Data

OTHER KEYWORDS Materials & Tests Unit, North Carolina, NC, Certification, NCDOT, Concrete,

Official NCDOT

[Hide Topics and Keywords ▲](#)

Citation ►

TITLE Concrete Mix Design Technician Certifications by ZIP Code, 2013-NC Dept. of Transportation

EDITION 2013

EDITION DATE 2013-06-01

PRESENTATION FORMATS digital map

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME ArcGIS Content Team

ORGANIZATION'S NAME Esri

CONTACT'S POSITION ArcGIS Content Team

CONTACT'S ROLE originator

CONTACT INFORMATION ►

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FAX 909-793-5953

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COUNTRY US

E-MAIL ADDRESS info@esri.com

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RESPONSIBLE PARTY

ORGANIZATION'S NAME TomTom North America, Inc.

CONTACT'S ROLE originator

CONTACT INFORMATION ►

ADDRESS

CITY Lebanon

ADMINISTRATIVE AREA New Hampshire

COUNTRY US

[Hide Contact information ▲](#)

RESPONSIBLE PARTY

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE point of contact

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CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE owner

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

CONTACT INSTRUCTIONS

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Resource Details ►

DATASET LANGUAGES English (UNITED STATES)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS completed

SPATIAL REPRESENTATION TYPE vector

SPATIAL RESOLUTION

DATASET'S SCALE

SCALE DENOMINATOR 50000

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.1.1.3143

ARCGIS ITEM PROPERTIES

* NAME Cert_Poly_Design

* LOCATION file:///\\GIS265751\C\$\Users\mswittmer\Desktop\DMV Sites\DMV Support.mdb

* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)**Extents ►**

EXTENT

DESCRIPTION

The certification data are current as of 9/13/2013 and they are applied to the ZIP code polygons that are current as of December 2012.

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

WEST LONGITUDE -84.32187

EAST LONGITUDE -75.459872

SOUTH LATITUDE 33.834365

NORTH LATITUDE 36.588118

EXTENT CONTAINS THE RESOURCE Yes

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

WEST LONGITUDE -84.189415

EAST LONGITUDE -76.073964

SOUTH LATITUDE 31.69791

NORTH LATITUDE 37.46045

EXTENT CONTAINS THE RESOURCE Yes

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -82.891468

* EAST LONGITUDE -76.656832

* NORTH LATITUDE 36.887590

* SOUTH LATITUDE 33.845314

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 860990.821418

* EAST LONGITUDE 2685607.329658

* SOUTH LATITUDE 56215.788026

* NORTH LATITUDE 1142070.902728

* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE point of contact

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Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

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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_1983",DATUM["D_North_American_1983",SPHEROID
["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT
["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER
["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER
["Central_Meridian",-79.0],PARAMETER
["Standard_Parallel_1",34.33333333333334],PARAMETER
["Standard_Parallel_2",36.16666666666666],PARAMETER
["Latitude_Of_Origin",33.75],UNIT["Foot_US",0.3048006096012192],AUTHORITY
["EPSG",2264]]

```

REFERENCE SYSTEM IDENTIFIER

VALUE NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet
 * CODESPACE EPSG
 * VERSION 7.11.2

Hide Spatial Reference ▲

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME Cert_Poly_Design
 * OBJECT TYPE composite
 * OBJECT COUNT 34

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME Cert_Poly_Design
 * FEATURE TYPE Simple
 * GEOMETRY TYPE Polygon
 * HAS TOPOLOGY FALSE
 * FEATURE COUNT 34
 * 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 ▲

Hide Data Quality ▲

Lineage ►

LINEAGE STATEMENT

Source data: TomTom MultiNet Postal Districts and Administrative Areas v. 2012.12 (source 1 of 3) TomTom North America, Inc., 20121214, TomTom MultiNet Postal Districts; TomTom MultiNet Administrative Areas: TomTom® MultiNet® North America Version 2012.12, TomTom North America, Inc., Lebanon, New Hampshire, USA. Online links: <http://www.tomtom.com/> Type of source media: DVD-ROM Source contribution: Attribute and geospatial data U.S. Census SF 1 (source 2 of 3) Department of Commerce, Census Bureau, 2011, Summary File 1 (SF 1): Summary File 1 (SF 1) 2010, Department of Commerce, Census Bureau, Washington, DC, USA. Online links: <http://www.census.gov/prod/cen2010/doc/sf1.pdf> Other citation details: The Summary

File 1 (SF 1) data is based on the 2010 Census of Population and Housing. Type of source media: online Source contribution: Attribute data Esri Data (source 3 of 3) Esri, 20121128; 20111027, Esri Data: Esri® Data 2012; 2011, Esri, Redlands, California, USA. Online links: <http://www.esri.com> Type of source media: DVD-ROM Source contribution: Attribute data Date: 20130409 (change 1 of 1) The following steps were performed by Esri: Extracted the data set from TomTom MultiNet v. 2012.12. Removed any Canada and Mexico records. Attached and formatted the fields from 2010 Census Summary File 1 and Esri Data. Added the SQMI field and calculated its values. Deleted the fields POP2000 and POP00_SQMI. Added the field POP2012 and added and calculated the field POP12_SQMI. Put "-99" values into all number type fields (except SQMI) for records where there were no data. Converted the data set to SDC. Created ArcGIS® layer file (.lyr), projection file (.prj), and spatial indices. Data sources used in this process: TomTom MultiNet Postal Districts and Administrative Areas v. 2012.12 U.S. Census SF 1 Esri Data

PROCESS STEP ▶

DESCRIPTION Dataset copied to the web.

Hide Process step ▲

PROCESS STEP ▶

DESCRIPTION Metadata is updated for publication.

Hide Process step ▲

PROCESS STEP ▶

DESCRIPTION Certification data from Materials and Tests Unit added to ZIP code boundaries layer.

Hide Process step ▲

SOURCE DATA ▶

DESCRIPTION The certification data is derived from Materials & Tests Unit at NCDOT. The ZIP code polygons are taken from an Esri publication on ArcGIS Online that is based on ZIP code boundaries from December 2012.

Hide Source data ▲

Hide Lineage ▲

Geoprocessing history ▶

Hide Geoprocessing history ▲

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**

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TRANSFER OPTIONS

TRANSFER SIZE 90.712

ONLINE SOURCE

LOCATION <http://ncdot.maps.arcgis.com/home/item.html?id=fa4e05296f5145809a24ca9814d7f829>
 DESCRIPTION Downloadable Data
 FUNCTION PERFORMED download

MEDIUM OF DISTRIBUTION

MEDIUM NAME DVD-ROM

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

* NAME Personal GeoDatabase Feature Class

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [Cert_Poly_Design ►](#)

* TYPE Feature Class
 * ROW COUNT 34

DEFINITION

The polygons represent five-digit ZIP Code areas where mail is delivered (from a city block or two to a whole rural town) within the United States. The number of technicians shows how many technicians in each ZIP code has a certification in concrete mix design.

DEFINITION SOURCE

TomTom North America, Inc., North Carolina Department of Transportation Materials and Tests Unit

FIELD [ObjectID ►](#)

* ALIAS OBJECTID
 * DATA TYPE OID
 * WIDTH 4
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Internal feature number.

DESCRIPTION SOURCE

Esri

DESCRIPTION OF VALUES Sequential unique whole numbers that are automatically generated.

Hide Field ObjectID ▲

FIELD ZIP ►

- * ALIAS ZIP
- * DATA TYPE String
- * WIDTH 10
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

The five-digit number used by the postal service to identify an area where mail is delivered. This is a unique identifier for the polygons used in this feature class.

DESCRIPTION SOURCE

United States Postal Service®

CODED VALUES

NAME OF CODELIST USPS National 5-Digit ZIP Code® and Post Office Directory
SOURCE United States Postal Service

Hide Field ZIP ▲

FIELD Certs_Certification ►

- * ALIAS Certs_Certification
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Type of concrete certification: Concrete Mix Design

DESCRIPTION SOURCE

North Carolina Department of Transportation Materials and Tests Unit

Hide Field Certs_Certification ▲

FIELD FREQUENCY ►

- * ALIAS FREQUENCY
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Number of technicians in each ZIP code with associated certification.

DESCRIPTION SOURCE

North Carolina Department of Transportation Materials and Tests Unit

Hide Field FREQUENCY ▲

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 [Shape_Area ▶](#)

* ALIAS Shape_Area
 * DATA TYPE Double
 * WIDTH 8
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Area of feature in internal units squared.

DESCRIPTION SOURCE

Esri

DESCRIPTION OF VALUES Positive real numbers that are automatically generated.

[Hide Field Shape_Area ▲](#)

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 Cert_Poly_Design ▲](#)

[Hide Fields ▲](#)

References ▶

AGGREGATE INFORMATION

AGGREGATE RESOURCE NAME ▶

TITLE Concrete Mix Design Technicians by ZIP Code

RESPONSIBLE PARTY

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

CONTACT INFORMATION ►

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Metadata Details ►

METADATA LANGUAGE English (UNITED STATES)
 METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER Cert_Poly_Design

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset
 SCOPE NAME *dataset

* LAST UPDATE 2013-10-07

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
 METADATA STYLE ISO 19139 Metadata Implementation Specification
 STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2013-09-24 13:27:21
 LAST MODIFIED IN ARCGIS FOR THE ITEM 2013-10-07 14:57:59

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
 LAST UPDATE 2013-10-07 14:57:59

[Hide Metadata Details ▲](#)

Metadata Contacts ►

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CONTACT'S ROLE distributor

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Metadata Maintenance ▶**MAINTENANCE**

UPDATE FREQUENCY as needed

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