

README for “Hazmat 2006” dataset.

Federal Motor Carrier Safety Administration (FMCSA); U.S. Department of Transportation (USDOT), Bureau of Transportation Statistics (BTS)

2021-09-07

LINKS TO DATASET

A. ROSA-P archive dataset link (2006):

<https://doi.org/10.21949/1520830>

SUMMARY OF DATASET

The Federal Motor Carrier Safety Administration (FMCSA) Hazardous Material Routes were developed using the 2004 First Edition TIGER/Line files. The routes are described in the National Hazardous Material Route Registry (NMHRR). The on-line NMHRR linkage is <http://hazmat.fmcsa.dot.gov/nhmrr/index.asp> With the exception of 13 features that were not identified with the Tiger/Lines, Hazmat routes were created by extracting the TIGER/Line segments that corresponded to each individual route. Hazmat routes in the NTAD, are organized into 3 database files, hazmat.shp, hmroutes.dbf, and hmstcnty.dbf. Each record in each database represents a unique Tiger/Line segment. These Tiger/Line segments are grouped into routes identified as character strings in the ROUTE_ID field in the hmroutes.dbf table. The route name appearing in the ROUTE_ID is assigned by FMCSA and is unique for each State [this sentence could be deleted - it doesn't add a lot to it]. The hmstcnty.dbf table allows the user to select routes by State and County. A single shapefile, called hazmat.shp, represents geometry for all routes in the United States.

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A. GENERAL INFORMATION

0. Title of Dataset:

Hazmat 2006 [datasets]

1. Description of Dataset:

The Federal Motor Carrier Safety Administration (FMCSA) Hazardous Material Routes were developed using the 2004 First Edition TIGER/Line files. The routes are described in the National Hazardous Material Route Registry (NMHRR). The on-line NMHRR linkage is <http://hazmat.fmcsa.dot.gov/nhmrr/index.asp> With the exception of 13 features that were not identified with the Tiger/Lines, Hazmat routes were created by extracting the TIGER/Line segments that corresponded to each individual route. Hazmat routes in the NTAD, are organized into 3 database files, hazmat.shp, hmroutes.dbf, and hmstcnty.dbf. Each record in each database represents a unique Tiger/Line segment. These Tiger/Line segments are grouped into routes identified as character strings in the ROUTE_ID field in the hmroutes.dbf table. The route name appearing in the ROUTE_ID is assigned by FMCSA and is unique for each State [this sentence could be deleted - it doesn't add a lot to it]. The hmstcnty.dbf table allows the user to select routes by State and County. A single shapefile, called hazmat.shp, represents geometry for all routes in the United States.

2. Dataset archive link:

<https://doi.org/10.21949/1520830>

3. Authorship Information:

Principal Data Creator or Data Manager Contact Information

Institution: Federal Motor Carrier Safety Administration (FMCSA)
Address: 800 Independence Avenue, SW, Washington D.C. 20032
Phone: 301-427-4891

Data Distributor Contact Information

Name: National Transportation Atlas Database (NTAD)
Institution: U.S. Department of Transportation, Bureau of Transportation Statistics (BTS), The Office of Spatial Analysis and Visualization (OSAV)
Address: 1200 New Jersey Ave. SE, Washington D.C. 20590
Email: ntad@dot.gov

4. Date of data collection and update interval:

Annually

5. Geographic location of data collection:

United States of America.

6. Information about funding sources that supported the collection of the data:

U.S. Department of Transportation, Federal Motor Carrier Safety Administration (FMCSA)

B. SHARING/ACCESS & POLICIES INFORMATION

0. Recommended citation for the data:

Federal Aviation Administration (FAA), U.S. Department of Transportation, Bureau of Transportation Statistics [distributor]. (2021). Hazmat 2006 [datasets]. <https://doi.org/10.21949/1520830>.

1. Licenses/restrictions placed on the data:

These data are in the Public Domain.

2. Was data derived from another source?:

No.

3. This dataset and its documentation was created and shared to meet the requirements enumerated in the U.S. Federally-Funded Scientific Research" Version 1.1 << <https://doi.org/10.21949/1520559> >> and guidelines suggested by the DOT Public Access website << <https://doi.org/10.21949/1503647> >>, in effect and current as of December 03, 2020.

C. DATA & RELATED FILE OVERVIEW

1. File List for the bts_NTAD_Hazmat_Data_Package.zip collection

A. Filename:

bts_Hazmat_DMP_20210311.pdf

Short description:

A PDF file containing the Data Management Plan that was created for current and future management of the data and associated files.

B. Filename:

bts_Hazmat_20210311_README.txt

Short description:

The README.txt file that includes human-readable information about the data, variable definitions, contact information, and other contextual information. The file you are reading now.

2. File List for the Hazmat_XXXX.zip collection. Posted are the archived shapefiles, classified by vintage year (_XXXX). Datasets will be archived as they become available.

A. Filename:

hazmat.shp

Short description:

A shapefile containing the geospatial data for Hazmat 2006 dataset. This includes associated files with extensions. .prj, .dbf, .sbn, .sbx, .shx.

B. Filename:

hazmat.txt (or .met)

Short description:

A text file containing key metadata and documentation information such as methodology, procedures, data dictionary, etc.

D. METHODOLOGICAL INFORMATION

1. Description of methods used for collection/generation of data:

N/A

2. Instrument- or software-specific information needed to interpret the data:

The data and documentation files can be opened with Esri ArcMap and any GIS software package.

E. DATA-SPECIFIC INFORMATION

1. XXXXXX data table

Data is updated annually. Dataset Manager is contacted to verify changes to data resulting in NTAD update. The metadata is updated in the same manner. For the most recent data, please visit the NTAD catalog at <https://data-usdot.opendata.arcgis.com/>

A. Number of variables (columns):

The data dictionary found in the original metadata (Hazmat.txt, Hazmat.met) provides definitions for the attributes.

B. Data Dictionary/Variable List:

Because of the large number of variables, please refer to the Data Dictionary found within the file Hazmat.txt (or .met) for names, definitions, and formats of variables.

C. Missing data codes:

None

F. UPDATE LOG

This bts_Hazmat_20210907_README.txt file was originally created on 2021-09-07 by Dominic Menegus, Geographer, dominic.menegus@dot.gov

[Note changes or update to the readme.txt file, e.g.:]

2021-09-07: Original file created

2021-09-15: Review and updates

2023-10-16: Updating end year