

Data Management Plan (DMP) for Travel Monitoring Analysis System (TMAS) Stations Present Dataset 2013-Present

U.S. Department of Transportation (USDOT)
Federal Highway Administration (FHWA);
Bureau of Transportation Statistics (BTS)
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Change log:

2021-04-12: Initial DMP written

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0. Dataset and Contact Information

Title of Dataset: Travel Monitoring Analysis System (TMAS) Stations 2013-Present Dataset

URL: <https://doi.org/10.21949/1520848>

This is an ☒ initial DMP or a ☐ revised DMP.

Organizational Contact Information

Name: Travel Monitoring Analysis System (TMAS) Stations 2013-Present Dataset

Institution: U.S. Department of Transportation, Federal Highway Administration

Address: 1200 New Jersey Ave SE, Washington D.C. 20590

Email: ExecSecretariat.FHWA@dot.gov

Data Distributor Contact Information

Name: National Transportation Atlas Database (NTAD)

Institution: U.S. Department of Transportation, Bureau of Transportation Statistics (BTS)

Address: 1200 New Jersey Ave. SE, Washington D.C. 20590

Email: ntad@dot.gov

1. Data Description:

The Travel Monitoring Analysis System (TMAS) dataset is from the Federal Highway Administration (FHWA) and part of the U.S. Department of Transportation (USDOT)/Bureau of Transportation Statistics' (BTS's) National Transportation Atlas Database (NTAD). The data included in the GIS Traffic Stations Version

database have been collected by the FHWA from the State DOTs through 24/7 permanent count data. Location referencing information was derived from State offices of Transportation. The attributes on the point elements of the database are used by FHWA for its Travel Monitoring and Analysis System and by State DOTs. The attributes for these databases have been intentionally limited to location referencing attributes since the core station description attribute data are contained within the Station Description Tables (SDT). Here is a separate Station Description Table (SDT) for each of the station types. The attributes in the Station Description Table correspond with the Station Description Record found in Chapter 6 of the 2001 Traffic Monitoring Guide. The SDT contains the most recent stations available for each state and station type. This table was derived from files provided by FHWA. The Station Description Table can be linked to the station shapefile via the STNNKEY field. Some station were not located in the US, and were beyond available geographic extents causing display problems. These were moved to Lat and Long 0,0. This is in recognition that the locations of these stations were in error, but were moved to a less obtrusive area.

2. Standards Employed:

The data files collected here are saved in the ubiquitous and common geospatial shapefile (.shp) format. As the files created for this ingest were migrations from the original format in a SQL geodatabase, each data file name includes a date stamp indicating when the data in the shapefile was from.

Documentation will include this data management plan, and the metadata and readme files created in 2020.

Documentation will also include the shapefiles, data dictionary, and relevant supporting files created alongside the data from 2013-Present.

A Project Open Data Version 1.1 .json metadata file will be created to describe the archival location of this data, and that .xml file will be uploaded to data.gov and transportation.data.gov

Necessary software tools: The file formats found in the zip files include: .txt files which can be opened using any text editor; .dbf files, which can be opened with Microsoft Excel; .shapefiles (.shp, .shx, and .dbf) which can be opened with any GIS software program; and, .pdf files which can be opened with PDF readers.

3. Access Policies:

These data files are in the public domain, and can be shared without restriction. The data files contain no sensitive information.

4. Re-Use, Redistribution, and Derivative Products Policies:

These data are managed by the Bureau of Transportation Statistics. The data are in the public domain, and may be re-use without restriction.

Citation of the data is appreciated. Please use the following recommended citation:

U.S. Department of Transportation, Federal Highway Administration; U.S. Department of Transportation, Bureau of Transportation Statistics (BTS) [distributor]. (2020). Travel Monitoring Analysis System (TMAS) Stations 2013-Present [datasets]. <https://doi.org/10.21949/1520848>

5. Archiving and Preservation Plans:

The dataset will be archived in the National Transportation Library Repository and Open Science Access Portal (ROSA P). Prior to archiving, the data are stored on the secured BTS networks and drives, which are backed up nightly. The US DOT systems are secured from outside users and backed up daily.

Files in ROSA P are backed up in NTL drives at US DOT, daily; at the Centers for Disease Control, the repository managing facility, daily; and in Amazon Web Service Cloud servers in Virginia and Oregon daily.

The dataset will be retained in perpetuity.

NTL staff will mint persistent Digital Object Identifiers (DOIs) for each dataset stored in ROSA P. These DOIs will be associated with dataset documentation as soon as they become available for use.

The DOIs associated with this dataset include: <https://doi.org/10.21949/1520848>

The assigned DOI resolves to the repository landing page for the “Travel Monitoring Analysis System (TMAS) Stations 2013-Present” dataset, so that users may locate associated metadata and supporting files.

ROSA P meets all the criteria outlined on the “Guidelines for Evaluating Repositories for Conformance with the DOT Public Access Plan” page: <https://ntl.bts.gov/publicaccess/evaluatingrepositories.html>

6. Policies Affecting this Data Management Plan

This document was created to meet the requirements enumerated in the U.S. Department of Transportation's 'Plan to Increase Public Access to the Results of 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.