Data Management Plan (DMP) for Weigh in Motion (WIM) Stations 2006 Dataset
U.S. Department of Transportation (USDOT)
Federal Highway Administration (FHWA);
Bureau of Transportation Statistics (BTS)
2021-04-12

Persistent link: https://doi.org/10.21949/1520836

Recommended Citation:
U.S. Department of Transportation, Federal Highway Administration; U.S. Department of Transportation, Bureau of Transportation Statistics [distributor]. (2020). Weigh in Motion (WIM) Stations 2006 Dataset[datasets]. https://doi.org/10.21949/1520836.

Change log:
2021-04-12: Initial DMP written

CONTENTS
0. Dataset and Contact Information
1. Data Description
2. Standards Employed
3. Access Policies
4. Re-Use, Redistribution, and Derivative Products Policies
5. Archiving and Preservation Plans
6. Policies Affecting this Data Management Plan

0. Dataset and Contact Information

Title of Dataset: Weigh in Motion (WIM) Stations 2006 Dataset
URL: https://doi.org/10.21949/1520836
This is an ☒ initial DMP or a ☐ revised DMP.

Organizational Contact Information
Name: Weigh in Motion (WIM) Stations 2006 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 data included in the GIS Weigh in Motion Stations Version database have been assimilated from station description files provided by FHWA for Weigh-in-Motion (WIM), and Automatic Traffic Counters (ATR). Location referencing information was derived from the National Highway Planning Network version 4.0. and State offices of Transportation. The attributes on the point elements of the database have come from two

primary sources, the Station Description Records and the National Highway Planning Network's Linear Referencing System. 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). There is a separate Station Description Table (SDT) for each of the different station types; WIM, and ATR. The attributes in the Station Description Table correspond with the Station Description Record found in Chapter 6 of the latest Traffic Monitoring Guide. The SDT contains the most recent stations available for each state and station type. This table was derived from files provided UTCTR by FHWA. The Station Description Table can be linked to the station shapefile via the STNNKEY field . A single exception table containing records for those stations that could not be located is provided for WIM, and ATR stations. Generally, this table contains records where location descriptions were not clear enough to locate a station. It is hoped that FHWA will be able to contact the States for a more detailed description

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 .xml 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). Weigh in Motion (WIM) Stations 2006 Dataset [datasets]. https://doi.org/10.21949/1520836

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/10.21949/1520836

The assigned DOI resolves to the repository landing page for the "Weigh in Motion (WIM) Stations 2006 Dataset" 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.