

**Data Management Plan (DMP) for Census TIGERLine Roads 2021- Present
Dataset**

U.S. Department of Commerce (DOC)
United States Census Bureau (USCB),
U.S. Department of Transportation (USDOT)
Bureau of Transportation Statistics (BTS)
2025-06-09

Persistent link: <https://doi.org/10.21949/1404293>

Recommended Citation:

U.S. Department of Commerce (DOC), United States Census Bureau (USCB); U.S. Department of Transportation (USDOT), Bureau of Transportation Statistics (BTS) [distributor]. Census TIGERLine Roads 2021-Present [datasets].
<https://doi.org/10.21949/1404293> .

Change log:

2025-06-09: Initial DMP written.
2025-10-29: DOI added.

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: Census TIGERLine Roads 2021-Present Dataset

URL: <https://doi.org/10.21949/1404293>

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

Organizational Contact Information

Institution: U.S. Department of Commerce (DOC), United States Census Bureau (USCB)

Address: 4600 Silver Hill Rd., Washington D.C. 20233

Contact: geo.bas@census.gov/ geo.geography@census.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 Census TIGERLine Roads 2021-Present dataset is from the United States Census Bureau (USCB), and is part of the U.S. Department of Transportation (USDOT)/Bureau of Transportation Statistics' (BTS's) National Transportation Atlas Database (NTAD). The TIGER/Line shapefiles and related database files (.dbf) are an extract of selected geographic and cartographic information from the U.S. Census Bureau's Master Address File / Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database (MTDB). The MTDB represents a seamless national file with no overlaps or gaps between parts, however, each TIGER/Line shapefile is designed to stand alone as an independent data set, or they can be combined to cover the entire nation. The All Roads Shapefile includes all features within the MTDB Super Class "Road/Path Features" distinguished where the MAF/TIGER Feature Classification Code (MTFCC) for the feature in MTDB that begins with "S". This includes all primary, secondary, local neighborhood, and rural roads, city streets, vehicular trails (4wd), ramps, service drives, alleys, parking lot roads, private roads for service vehicles (logging, oil fields, ranches, etc.), bike paths or trails, bridle/horse paths, walkways/pedestrian trails, and stairways.

2. Standards Employed:

The data files collected here are saved in the ubiquitous and common geospatial file geodatabase (.gdb) formats.

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 2025. Documentation will also include the shapefiles, data dictionary, and relevant supporting files created alongside the data from 1995. A DCAT-US vs. 1.1 .json metadata file will be created to describe the archival location of this data, and that .json file will be uploaded to data.gov and transportation.data.gov

Necessary software tools: The file formats found in the zip files include: .txt, file geodatabases (.gdb), and .pdf files.

- File geodatabases (.gdb) can be opened with any Esri GIS software program <https://www.esri.com/en-us/home/>.

- The txt is a common text file, which can be opened with a basic text editor. The most common software used to open .txt files are Microsoft Windows Notepad, Sublime Text, Atom, and TextEdit (for more information on .txt files and software, please visit <https://www.file-extensions.org/txt-file-extension>)

- The pdf file format was developed by Adobe Systems and represents two-dimensional documents in a device-independent and resolution-independent format. There are PDF readers available on many platforms, such as Xpdf, Foxit, and Adobe's

own Adobe Acrobat Reader. PDF readers/viewers or online services for basic functions are generally free (for more information on .pdf files and software, please visit <https://www.file-extensions.org/pdf-file-extension>).

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-used without restriction.

Citation of the data is appreciated. Please use the following recommended citation: U.S. Department of Commerce (DOC), United States Census Bureau (USCB); U.S. Department of Transportation, Bureau of Transportation Statistics (BTS) [distributor]. Census TIGERLine Roads 2021-Present [datasets]. <https://doi.org/10.21949/1404293>

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/10.21949/1404293>

The assigned DOI resolves to the repository landing page for the “Census TIGERLine Roads 2021-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.