

## Connected Vehicle Technology for Improved Winter Travel

Dataset available at: <https://doi.org/10.7910/DVN/IM4MWI>

(This dataset supports report **Exploring Weather-Related Connected Vehicle Applications for Improved Winter Travel in the Pacific Northwest**)

This U.S. Department of Transportation-funded dataset is preserved by the Pacific Northwest Transportation Consortium (PacTrans) is the Regional University Transportation Center (UTC) for Federal Region 10 in the digital repository Harvard Dataverse (<https://dataverse.harvard.edu>), and is available at <https://doi.org/10.7910/DVN/IM4MWI>.

The related final report **Exploring Weather-Related Connected Vehicle Applications for Improved Winter Travel in the Pacific Northwest**, is available from the National Transportation Library's Digital Repository at <https://rosap.ntl.bts.gov/view/dot/56496>.

### Metadata from the Harvard Dataverse Repository record:

#### Description:

The dataset is part of a PacTrans research project that aims to explore the use of Connected Vehicle (CV) (such as wireless or DSRC connectivity) technology for improved winter travel. (2018)

#### Subject:

Engineering

#### Keywords:

Connected Vehicle Technology, Mobile Data, Winter Road Maintenance

#### Notes:

<http://hdl.handle.net/1773/46273>

### Recommended citation:

Shi, Xianming, 2020, "Connected Vehicle Technology for Improved Winter Travel", <https://doi.org/10.7910/DVN/IM4MWI>, Harvard Dataverse, V1

### Dataset description:

This dataset contains 1 .zip file collection described below.

### Exploring Weather-Related Connected Vehicle Applications for Improved Winter Travel.zip:

This collection contains 80 files and 4 files types, listed at <https://doi.org/10.7910/DVN/IM4MWI>

File Type Descriptions:

- The file extension ds\_store is associated with Apple macOS (OS X) operating system. The ds\_store file holds information, which controls the way a folder will be opened; i.e., the shape and size of the window, the position of the window on the desktop and whether file, folder or icon view has been selected. DS part in this file extension means Desktop Services. (for more information on .ds\_store files and software, please visit [https://www.file-extensions.org/ds\\_store-file-extension](https://www.file-extensions.org/ds_store-file-extension))
- The csv file extension is commonly used to files in Comma Separated Value format. A comma-separated values file is a simple text format for a database table. Each line in the CSV file corresponds to a row in the table. Within the line, fields are separated by commas, each field belonging to one table column. The CSV is a simple file format that is supported by many applications. (for more information on .csv files and software, please visit <https://www.file-extensions.org/csv-file-extension>)
- File extension xlsx is associated with Microsoft Excel, one of the most popular and powerful tool for creating spreadsheets, graphs and much more. (fore more information on .xlsx files and software, please visit <https://www.file-extensions.org/xlsx-file-extension>)
- The docx file extension is best known for its use in Microsoft Word, a powerful word processor and authoring program that gives users the ability to create and share documents, which is available as part of Microsoft Office and Office 365 subscription based service. ((for more information on .docx files and software, please visit <https://www.file-extensions.org/docx-file-extension>)

**National Transportation Library (NTL) Curation Note:**

As this dataset is preserved in a repository outside U.S. DOT control, as allowed by the U.S. DOT's Public Access Plan (<https://doi.org/10.21949/1503647>) Section 7.4.2 Data, the NTL staff has performed *NO* additional curation actions on this dataset.

NTL staff last accessed this dataset at <https://doi.org/10.7910/DVN/IM4MWI> on 2021-07-08

If, in the future, you have trouble accessing this dataset at the host repository, please email [NTLDataCurator@dot.gov](mailto:NTLDataCurator@dot.gov) describing your problem. NTL staff will do its best to assist you at that time.