

Comparison of SHRP2 Naturalistic Driving Data to Geometric Design Speed Characteristics on Freeway Ramps Dataset

Dataset available at: <https://doi.org/10.15787/VTT1/K11ULD>

(This dataset supports report **Comparison of SHRP2 Naturalistic Driving Data to Geometric Design Speed Characteristics on Freeway Ramps**)

This U.S. Department of Transportation-funded dataset is preserved by Safe-D University Transportation Center and Virginia Tech University in the Virginia Tech Transportation Institute (VTTI) Dataverse Repository (<https://dataverse.vtti.vt.edu/>), and is available at <https://doi.org/10.15787/VTT1/K11ULD>

The related final report **Comparison of SHRP2 Naturalistic Driving Data to Geometric Design Speed Characteristics on Freeway Ramps**, is available from the National Transportation Library's Digital Repository at <https://rosap.ntl.bts.gov/view/dot/55681>

Metadata from the VTTI Dataverse Repository record:

Title: SHRP2 Entrance and Exit Ramps Time Series (TTI-01-03)

Description:

- **Project Description:** Comparison of SHRP2 Naturalistic Driving Data to Geometric Design Speed Characteristics on Freeway Ramps” was a study sponsored by SAFE-D that examined data on freeway ramps from the SHRP2 NDS – speed profiles along with selected driver and vehicle variables – and compared that data to the design characteristics of the ramps traveled during the study. The objective of the comparison was to identify relationships between the factors used to select freeway ramp design speed (e.g., radius) and the actual speeds of drivers traveling on those ramps.
- **Data Scope:** This dataset is composed of kinematic time series data for over 10,000 trips occurring on 100 freeway ramps. All variables beginning with “vtti” and the system time stamp variable were given to the researchers upon request. All other variables were observed by the researchers and added to the data set.

Subject: Engineering; Other

Keyword: Freeway ramps, Ramps, Kinematic time series data

Notes: In order to comply with participant informed consent and IRB requirements, use of this data set is governed by a Data Use License (DUL). Please send DUL inquiries to datasharing@vtti.vt.edu.

Recommended citation:

Marcus Brewer; Jayson Stibbe, 2018, "SHRP2 Entrance and Exit Ramps Time Series (TTI-01-03)", <https://doi.org/10.15787/VTT1/K11ULD>, VTTI, V1

Dataset description:

This dataset contains 1 .docx file described below.

Data Dictionary for entrance and exit ramps.docx:

The .docx file is a Microsoft Word file, which can be opened with Word and other free word processor programs, such as Kingsoft Writer, OpenOffice Writer, and ONLYOFFICE.

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://ntl.bts.gov/public-access>) 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/10.15787/VTT1/K11ULD> on 2021-06-02. If, in the future, you have trouble accessing this dataset at the host repository, please email NTLDataCurator@dot.gov describing your problem. NTL staff will do its best to assist you at that time.