**Safe and Efficient Automated Freeway Traffic Control**

**Data Management Plan**

### Data description

This project will use data from multiple sources, including the NGSIM microscopic vehicle trajectory data sets, Caltrans PeMS macroscopic vehicle detector data, and synthetic data sets. The first two data sets are publicly available from national or state transportation agencies, the third set will be generated in the course of this research using conventional data analysis tools, e.g., Matlab. Data related products will be used in journal and conference level research papers and presentations. These products.

### Data format and standards

Numerical data will be stored in standard open file formats such as Matlab, Excel, CSV, and plain text.

### Policies for access and sharing

Algorithms developed under the project and research results will be disseminated in scientific publications and presentations, as well as in final reports that will be available on the Safety21 and possibly other websites. The PIs and OSU Technology Commercialization Office will make an evaluation regarding invention disclosure, patentability, and other intellectual property issues that may require protecting or limiting access to software and source codes. Otherwise, those materials will be available on request after considering the purpose of use.

We will comply with The OSU Research Data Policy.

### Plans for archiving and preservation

Data will be stored on local, professionally managed servers with regular backup, as well as cloud-bases services such as OSU contracted OneDrive storage. Digital and written data will be retained by OSU for a minimum of 5 years following the end of the project, as per the OSU Research Data Plan. Analysis related intermediate results that could be easily recreated may not be considered for long-term storage and preservation.