[Insert Project Title]

Preliminary Data Management Plan

XX 2020

Produced by
U.S. Department of Transportation
Intelligent Transportation Systems (ITS) Joint Program Office

Notice

Contents

Instructions

Please see the Preliminary Data Management Plan Instructions document for detailed instructions on how to fill out this template.

Provide a Project Title and date in the red fields on the title page of this document. Fill out all sections and elements in the Data Management Plan (DMP) Template below. Samples of elements may be provided in italics below. Please delete these examples before submitting your Preliminary DMP as part of your application.

These instructions inform applicants of elements the U.S. DOT would like to see in the preliminary DMP but do not serve as an approved government form or template. Applicants should use their best judgement in determining what information to include and whether or not additional information should be incorporated into the preliminary DMP.

1. Project Overview

Project Title	Project Goals and Objectives	Project Description	Performance Measurements
Tampa Connected Vehicle (CV) Pilot	*The objective of this research project is to determine what transportation safety, efficiency, and other benefits can result from CV technology. This objective aligns with the U.S. DOT's Intelligent Transportation Systems (ITS) Joint Program Office (JPO) mission to "[c]onduct research, development, and education activities to facilitate the adoption of information and communication technology to enable society to move more safely and efficiently.[1]"*	*The Tampa Hillsborough Expressway Authority (THEA) and its partners are debuting innovative connected vehicle technology in Tampa's Downtown, and the benefits will change how we view roadway travel.* *A car or truck equipped with connected vehicle technology "talks" wirelessly to other vehicles, traffic signals, crosswalks and more. This wireless communication can help prevent crashes, keep traffic moving and even improve fuel efficiency.*	*Planned performance measurements include mobility improvements observed from mobility performance measures such as Percentage of arrival on green, queue length, and average delay for auto mode. See the Performance Measurement and Evaluation Support Plan for more details.*

2. Data Overview

Dataset Title	Description	Type / Scale	Collection Method	Data File Format(s)	Metadata

[1] https://www.its.dot.gov/about.htm

Tampa Connected Vehicle (CV) Pilot Basic Safety Message (BSM)	*This data consists of Basic Safety Messages (BSMs) generated by participant and public transportation vehicles onboard units (OBU) and transmitted to road-side units (RSU) located throughout the Project Study area.*	*Numerical data, text sequences, positional data (e.g. latitude and longitude)*	*Observed, experimental data automatically collected through OBUs and RSUs*	*Newline json*	*Metadata will be provided at the field and asset level, using the Project Open Data Metadata Schema and schema.org as metadata standards.*

3. Data Stewardship

3.1 Data Owner and Steward

Dataset Title	Data Owner	Data Steward
Tampa CV BSM	*U.S. DOT*	*City of Tampa DOT*

3.2 Access Level

3.2.1 Can all data from this project be shared with the public or is controlled-access required for at least some of the data?

☐ All Public Access ☐ Some/All Controlled-Access

3.2.2 Datasets Requiring Controlled-Access

This section is required if "Some/All Controlled-Access" is selected above.

Dataset Title	Reason(s) for Controlled-Access	Safeguarding Methods and Processes
Tampa CV BSM	*License plate images from the data are considered personally identifiable information (PII), and access to license plate numbers must be restricted to protect the confidentiality of car drivers.*	*The license plate images will be blurred before making the data accessible. The full dataset will be held in an ITS JPO secure data system (e.g. the Secure Data Commons), and a redacted version of the data with the blurred license plate images removed will be made publicly available. Sharing data containing the license plate images poses privacy and confidentiality concerns, as this information can be used to identify individuals, which is not the*

		purpose of this research project and violates the privacy of the car drivers.

3.2.3 Informed Consent

<*Insert*>

3.3 Re-Use, Redistribution, and Derivative Products Policies

This section is required for all *anticipated datasets of the project.*

Dataset Title	License Used	Reason(s) for Non-Open License
Tampa CV BSM	*Creative Commons BY-SA 4.0*	*N/A*

3.4 Data Storage and Retention

Data Storage System Name	Data Storage System Type	Dataset Title(s)	Initial Storage Date	Frequency of Update	Archiving and Preservation Period
Data.transportation.gov	*U.S. DOT-managed – Public System*	*Tampa CV BSM* *Tampa CV SPaT*	*Six months after award* *Three months after award*	*Daily*	*Five years* *Five years*
Secure Data Commons	*U.S. DOT-managed -Controlled-Access System*	*Tampa CV BSM*	*Six months after award*		*Five years*

3.4.1 Data Storage System Description(s)

<*Insert*>

3.4.2 Cybersecurity Policies

<*Insert*>

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