**Determining Segment and Network Traffic Volumes from Video Data Obtained from Transit Buses in Regular Service: Developments and Evaluation of Approaches for Ongoing Use across Urban Networks**

**Data Management Plan**

### Data description

This project will use data from multiple sources, including data collected from transit vehicles equipped with cameras, GPS sensors, and other motion sensors; road tube vehicle count data; and manually collected vehicle count data. Some of these data may have been collected in previous research activities, and other data will be obtained within the scope of this project. Some data will be collected by the research team, and some will be provided by collaborators and third parties, including The Ohio State University (OSU) Department of Traffic and Transportation Management, who owns and operates the Campus Area Bus Service (CABS), and the Mid-Ohio Regional Planning Commission, which is the MPO for the Central Ohio region.

Data related products will be used in journal and conference level research papers and presentations. These products will be partly derived from manual or automatic image processing efforts and software codes written in commonly available languages.

### 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 Mobility21 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.

The supplier and owner of the video imagery used for this project does not permit their being made publicly available. Other publicly available datasets used will be cited and documented. We do not expect any data used or produced in this project to fall under ITAR or other Export Control regulations. None of the data used in this project will contain personally identifiable information.

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 Buckeye Box. 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.