Title: TTD ATMS Data Aggregation Plan

Abstract:

The Tahoe Transportation District (TTD) and regional partners are seeking to enhance transportation safety and mobility along key corridors in the Lake Tahoe Basin. The roadway network entering, traveling within, and leaving the Tahoe Basin lacks the infrastructure required to acquire real-time and historical traffic and congestion data. This pilot project aims to support TTD and the regional partners in collecting accurate count data at each of the seven entry/exit points of the Tahoe Basin and along the Truckee/US80/SR267/SR89 roadways. The project is designed to plan, prototype, test, and evaluate a limited deployment of a data collection sensor infrastructure to gather transportation and traveler-related information. The goal is to integrate this information into a single cloud-based open source or interface for reporting and management. This information will be utilized by TTD, TRPA, partners, commuters, and travelers within the Tahoe Basin and adjoining areas to provide an integrated infrastructure for collecting vehicle data. This data will be incorporated into a database for various stakeholders. Furthermore, the project will establish the framework for long-term data collection across the region and integrate multiple transportation data sources for efficient use by partner agencies. It will propel the region toward real-time parking availability for motorists and improve the ease of transit use, walking, and bicycling. Other long-term uses include sharing information about weather hazards, closures, construction, or crashes.

Publisher:

Strengthening Mobility and Revolutionizing Transportation (SMART) Program

Department of Transportation

United States Government

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DOI: https://doi.org/10.21949/1530332

Files:

TTD_SMART_SafetyInsights.csv

TTD_SMART_Speed.csv

TTD_SMART_TrafficCameraLocations.geojson

TTD_SMART_VehicleCounts.csv

TTD_SMART_VRUCounts.csv

WWDriverVideo_03.08.2025.wmv

WWDriverVideo_04.19.2025.wmv

WWDriverVideo_07.19.2025.wmv

WWDriverVideo_07.20.2025.wmv

WWDriverVideo_08.02.2025.wmv

WWDriverVideo_08.03.2025.wmv

Format: Zip

Keywords: (Please use terms from the Transportation Research Thesaurus https://trt.trb.org/.)

Transportation, crashes, technological innovations, traffic volume, near crashes, vulnerable road users, cameras, traffic counts, bicycle counts, traffic violations, speed

Language of item: English

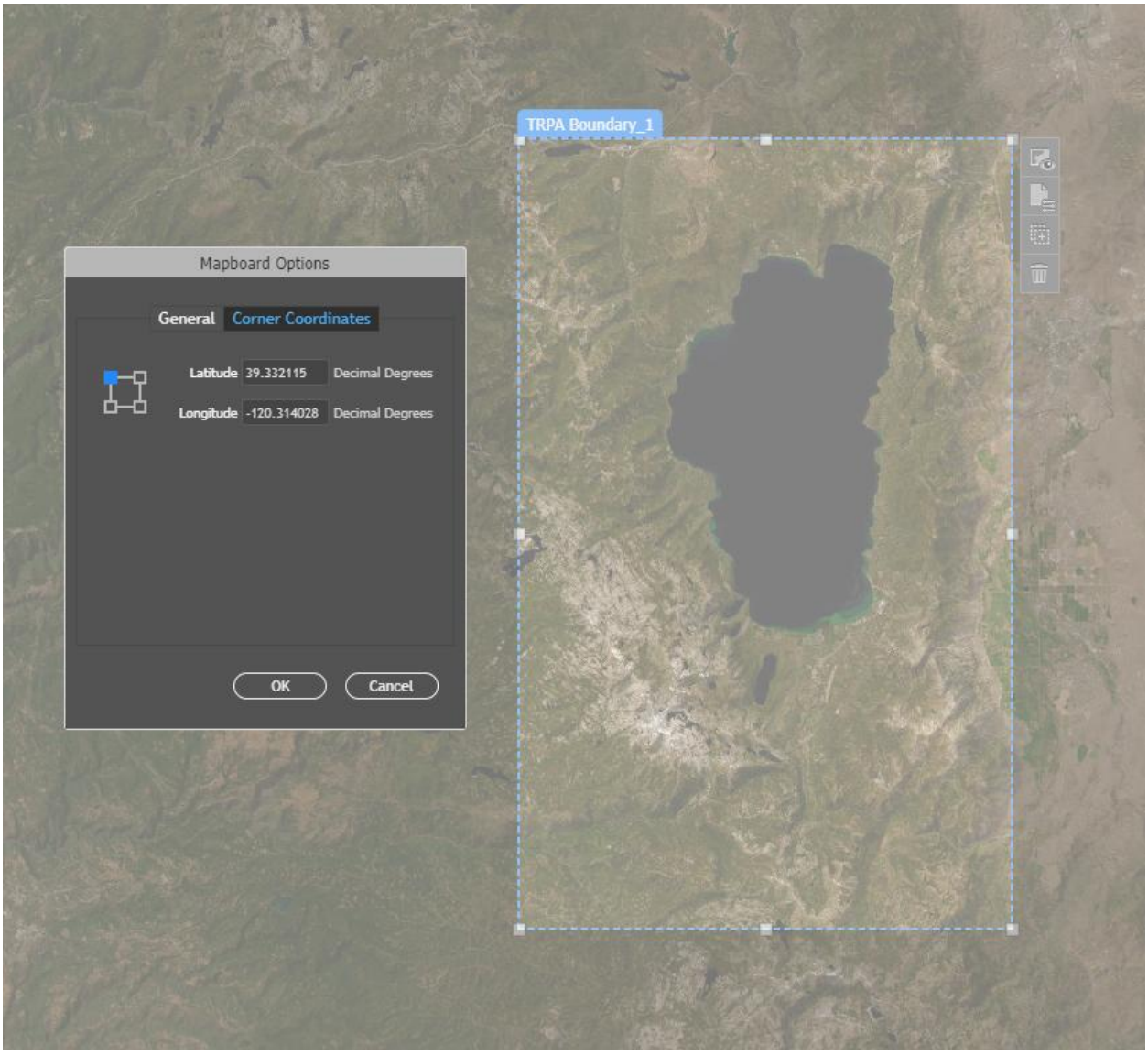
License/copyright: N/A

Report or other item this data asset references (DOI Preferred):
https://doi.org/10.21949/1530332

Spatial (bounding box or named place): Box from top left clockwise: -120.314028, 39.332115; -119.805910, 39.332115; -119.805910, 38.700457; -120.314028, 38.700457; -120.314028, 39.332115

For a "Polygon" type, the "coordinates" field must be an array of arrays, of points, where the array defines the outer boundary of the "Polygon". This array should contain at least four [longitude, latitude] points (as numbers, either integers or floating-point numbers), and the first and last points must be the same to close the shape.

{"spatial":{"type":"Polygon","coordinates":[[[-120.314028,39.332115],[-119.805910,39.332115],[-119.805910,38.700457],[-120.314028,38.700457],[-120.314028,39.332115]]]}}



Policy statement: This dataset was made public under the requirements enumerated in the U.S. Department of Transportation's 'Plan to Increase Public Access to the Results of Federally-Funded Scientific Research' Version 1.1 <https://doi.org/10.21949/1520559> and guidelines suggested by the DOT Public Access website <https://doi.org/10.21949/1503647>, in effect and current as of December 03, 2020.

Link/DOI to Policy: https://doi.org/10.21949/1520559 , https://doi.org/10.21949/1503647

Public Access Level: public

Bureau Code: 021:04

Program Code: 021:053

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https://doi.org/10.21949/xp59-gc26

DOT ONLY Fedora/CDC PID of Data Asset in "dot:[PID]" format (ex: dot:76508)