

# **STRIDE Project A - Trip Routing Choices, Diversion Prediction, and Traffic Management with Decentralized Traveler Information Data**

Dataset available at: <https://doi.org/10.5281/zenodo.4320150>

(This dataset supports report **Impact of Smartphone Applications on Trip Routing**)

This U.S. Department of Transportation-funded dataset is preserved by the STRIDE | Southeastern Transportation Research, Innovation, Development & Education Center in the Zenodo Repository (<https://zenodo.org/>), and is available at <https://doi.org/10.5281/zenodo.4320150>

The related final report **Impact of Smartphone Applications on Trip Routing**, is available from the National Transportation Library's Digital Repository at <https://rosap.ntl.bts.gov/view/dot/60067>.

## **Metadata from the Zenodo Repository record:**

Title: STRIDE Project A - Trip Routing Choices, Diversion Prediction, and Traffic Management with Decentralized Traveler Information Data

Authors: Mohammed Hadi; Angshuman Guin; Feng Wang; Kari Watkins; Michael P. Hunter; Md Shahadat Iqbal; Rebecca Kiriazes; Lei Bu; Mosammat Tahnin Tariq; Mahmoud Arafat; Rajib Saha

### Description:

This research aims to fill the gap of knowledge surrounding navigation apps by analyzing the impact of traffic routing smartphone applications on roadway facility selection. Freeway detector data used to develop a direct method to estimate traffic diversion rate for individual incidents based on mainline detector data and incident data.

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Keywords: Navigation app, Traffic rerouting, Incidents, Traffic Detectors, Traffic Management, Data Analytics

Communities: STRIDE | Southeastern Transportation Research, Innovation, Development & Education Center

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Versions: Version 1

## **Recommended citation:**

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## **Dataset description:**

This dataset contains 1 .zip file collection and 4 .csv files, described below.

**detector\_data\_southbound.zip:**

- Zone\_Readings.csv
- Lane\_Readings.csv
- Detector\_Identification.csv

**diversion1528.csv**

**diversion1901.csv**

**diversion1918.csv**

**diversion193.csv**

The .csv, Comma Separated Value, file is a simple format that is designed for a database table and supported by many applications. The .csv file is often used for moving tabular data between two different computer programs, due to its open format. The most common software used to open .csv files are Microsoft Excel and RecordEditor, (for more information on .csv files and software, please visit <https://www.file-extensions.org/csv-file-extension>).

**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/10.5281/zenodo.4320150> on 2022-04-20. If, in the future, you have trouble accessing this dataset at the host repository, please email [NTLDataCurator@dot.gov](mailto:NTLDataCurator@dot.gov) describing your problem. NTL staff will do its best to assist you at that time.