

**Intersection Vehicle Count by Movement in Bellevue, WA**  
Dataset available at: <https://doi.org/10.7910/DVN/XAOW8A>

(This dataset supports report **A Connected Vehicle-Based Adaptive Navigation Algorithm**)

This U.S. Department of Transportation-funded dataset is preserved by the Pacific Northwest Transportation Consortium (PacTrans), the Regional University Transportation Center (UTC) for Federal Region 10 in the digital repository Harvard Dataverse (<https://dataverse.harvard.edu>), and is available at <https://doi.org/10.7910/DVN/XAOW8A>.

The related final report **A Connected Vehicle-Based Adaptive Navigation Algorithm**, is available from the National Transportation Library's Digital Repository at <https://rosap.ntl.bts.gov/view/dot/55925>.

**Metadata from the Harvard Dataverse Repository record:**

Description:

The dataset contains the vehicle count by movement information for 35 intersections in Bellevue, WA. It can be used for network-wide traffic simulation. The data were collected in 2017, during an off-peak (1 pm) period in a normal weekday. The Turn\_ratio.xlsx file contains intersection identification numbers and vehicle count for each movement. The Intersection\_address.xlsx file contains the north-south and east-west road names for each intersection. The two files are linked with intersection identification number. (2020-1-16)

Subjects:

Engineering

Keyword:

Traffic Intersection, Turning Movement Count Data, Bellevue

Related Publication

W. Zhu, "A connected vehicle based coordinated adaptive navigation system," Ph.D. dissertation, University of Washington, 2019.

**Recommended citation:**

Wang, Yinhai, 2020, "Intersection Vehicle Count by Movement in Bellevue, WA", <https://doi.org/10.7910/DVN/XAOW8A>, Harvard Dataverse, V1

**Dataset description:**

This dataset contains 1 .zip file collection described below.

**A Connected Vehicle-Based Adaptive Navigation Algorithm.zip:**

This collection contains 2 files and 1 files types, listed below.

- Intersection\_address.xlsx

- Turn\_ratio.xlsx

File Type Descriptions:

- File extension xlsx is associated with Microsoft Excel, one of the most popular and powerful tool for creating spreadsheets, graphs and much more. (fore more information on .xlsx files and software, please visit <https://www.file-extensions.org/xlsx-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://doi.org/10.21949/1503647>) 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/10.7910/DVN/XAOW8A> on 2021-07-08

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.