

Extracted and classified road markings from a mobile lidar dataset collected in Philomath, OR.

Dataset available at: <https://doi.org/10.7910/DVN/0STTJR>

(This dataset supports report **Efficient Extraction and Evaluation of Complex Pavement Markings from Mobile Laser Scan Data**)

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/0STTJR>.

The related final report **Efficient Extraction and Evaluation of Complex Pavement Markings from Mobile Laser Scan Data**, is available from the National Transportation Library's Digital Repository at <https://rosap.ntl.bts.gov/view/dot/56491>

Metadata from the Harvard Dataverse Repository record:

Description:

The dataset is an annotated point cloud in ASPRS LAS v1.2 format, which is annotated with different classification numbers representing six different road markings, including lane markings (1), pedestrian crosswalk and text (2), bike (3), left arrow (4), right arrow (5), straight arrow (6), and others (0). The point cloud dataset was obtained using Oregon Department of Transportation current mobile lidar system (Leica Pegasus:Two). The data were georeferenced in the supporting software for the Leica Pegasus:Two by Oregon DOT. The authors processed the data to extract the road markings using the road marking extraction tool (Rome2) developed in this Pactrans research.

Subjects:

Engineering; Computer and Information Science

Keyword:

Lidar, Point Cloud, Road Markings, Segmentation, classification

Notes

<http://hdl.handle.net/1773/46275>

Recommended citation:

Olsen, Michael; Jung, Jaehoon, 2020, "Extracted and classified road markings from a mobile lidar dataset collected in Philomath, OR.", <https://doi.org/10.7910/DVN/0STTJR>, Harvard Dataverse, V1

Dataset description:

This dataset is not listed on the Harvard Dataverse. Please contact the dataset owner via the Harvard Dataverse at <https://doi.org/10.7910/DVN/0STTJR>.

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/0STTJR> on 2021-07-08

If, in the future, you have trouble accessing this dataset at the host repository, please email NTLDataCurator@dot.gov describing your problem. NTL staff will do its best to assist you at that time.