Towards Integrating Resilience into Everyday Transportation Practices of Coastal and River Valley Communities Dataset

Dataset available at: https://doi.org/10.5281/zenodo.4746628

(This dataset supports report **Towards Integrating Resilience into Everyday Transportation Practices of Coastal and River Valley Communities**)

This U.S. Department of Transportation-funded dataset is preserved in the Zenodo Repository (https://zenodo.org/), and is available at https://doi.org/10.5281/zenodo.4746628

The related final report **Towards Integrating Resilience into Everyday Transportation Practices of Coastal and River Valley Communities**, is available from the National Transportation Library's Digital Repository at https://rosap.ntl.bts.gov/view/dot/59885.

Metadata from the Zenodo Repository record:

Title: Towards Integrating Resilience into Everyday Transportation Practices of Coastal and River Valley Communities

Author: Nelida Herrera, Mohammad Shapouri, Brian Wolshon, Siavash Shojaat

Description: Coastal and river valley communities have become increasingly vulnerable to sea-level rise and other disasters which can disrupt transportation systems. Therefore, it is important for these systems to be resilient. Analyzing the resilience of transportation systems is important for practitioners and decision-makers to identify weaknesses within the network and analyze design alternatives that can improve resilience. Even though research has been conducted in the area of resilience, integrating this concept into everyday transportation practices to prepare for disasters and other disruptions (e.g. inclement weather, traffic incidents, road blockages) remains a challenge. The goal of this research was to advance the state-of-the-art in transportation activities to integrate resilience into traffic analyses to assist coastal and river valley communities in their resilience practices.

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Keywords: Resilience, microscopic traffic simulation

Communities: Maritime Transportation Research and Education Center

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Dataset description:

This dataset contains 5 files described below.

- **Base_No Ramp Meter_LinkEval.txt**
- **Base_Ramp Meter_LinkEval.txt**
- **Crash_ No Ramp Meter_LinkEval.txt**
- **Crash_ Ramp Meter_LinkEval.txt**

- **MarTREC Final Research Report_Towards integrating resilience into everyday transportation practices of coastal and river valley communities_final.docx**

File Type Descriptions:

- The .txt file type is a common text file, which can be opened with a basic text editor. The most common software used to open .txt files are Microsoft Windows Notepad, Sublime Text, Atom, and TextEdit (for more information on .txt files and software, please visit https://www.file-extensions.org/txt-file-extension).
- The .docx file is a Microsoft Word file, which can be opened with Word and other free word processor programs, such as Kingsoft Writer, OpenOffice Writer, and ONLYOFFICE.

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.4746628 on 2022-05-11. 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.