

Developing Notification and Enforcement Systems to Communicate and Administer Bridge Load Postings Dataset

Dataset available at: https://digitalcommons.lsu.edu/transet_data/115

(This dataset supports report **Developing Notification and Enforcement Systems to Communicate and Administer Bridge Load Postings**)

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The related final report **Developing Notification and Enforcement Systems to Communicate and Administer Bridge Load Postings**, is available from the National Transportation Library's Digital Repository at <https://rosap.ntl.bts.gov/view/dot/61751>.

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Abstract: State and local law enforcement agencies in the US strive to enforce weight restrictions on trucks and heavy vehicles travelling on public roads as a matter of public safety and as a way of safeguarding vital transportation infrastructure. This research aimed to identify plausible notification systems that can effectively communicate bridge load postings to dispatchers and drivers, investigate and suggest possible approaches to communicate potential detour routes, and identify corresponding enforcement methods required to successfully administer bridge load postings. This report discusses the current practices of bridge load posting notification and enforcement systems. Also, it presents an overview of the existing conditions of intelligent Transportation systems (ITS) in Louisiana that included: Traffic Management Centers (TMCs), Motorist Assistance Patrol (MAP) service, ITS devices, and technologies. A national survey was also conduct targeting US Departments of Transportation (DOTs) professionals and law enforcement agencies in USA to obtain their feedback and insights regarding the current bridge load posting notification and enforcement procedures/systems, its limitations and required modifications at their States. The results of this research suggest that improving the notification methods alone is not enough to ensure public compliance with posted weight limit on bridges, therefore, the enforcement methods need to be improved as well to enhance drivers' compliance and to prolong the lifespan of bridges. The report concluded by providing recommendations that can improve the notification and enforcement systems to effectively communicate and administer bridge load postings

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Dataset description:

This dataset contains 1 file described below.

Developing_Notification_and_Enforcement_Systems_to_Communicate_and_Administer_Bridge_Load_Postings__1_.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://digitalcommons.lsu.edu/transet_data/115 on 2022-05-20. 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.