

Transportation
Safety & Mobility

FEBRUARY 2022

Project Title:
TPF-5(440) - Support for Urban
Mobility Analyses - Pooled Fund
Study (Continuation from TPF-
5(198)/Task ID 2081)

Task Number: 3974

Start Date: August 22, 2019

Completion Date: June 30, 2024

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Researchers are studying congestion reduction strategies in order to apply them in urban areas in an effort to improve mobility and reduce traffic congestion.

WHAT IS THE NEED?

Traffic congestion is a big problem in urban areas which degrades mobility. Research is needed in order to mitigate congestion and improve mobility.

WHAT ARE WE DOING?

All stake holders participating in this pool fund research formed a Steering Committee, which decides on the congestion reduction methods to include in the new methodology and which cities will be included in the study. Researchers will continuously refine the Traffic Congestion Index to include multi-modal operations on regional operational improvement programs (i.e., ITS service, incident detection and response, travel demand management, transportation systems management, and computerized signal control coordination). Additional urban areas will be included in this research as needed. Researchers will respond to requests for mobility data by stakeholders and will publish an annual Urban Mobility Report which describes the scope of the mobility problem and some of the potential improvement strategies users can implement to try and mitigate the congestion mobility problem.

WHAT IS OUR GOAL?

Our goal is to develop improved mobility strategies and implement them in order to be able to reduce traffic congestion and improve mobility on the roads.



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California's transportation system

WHAT IS THE BENEFIT?

The Department can potentially benefit from the outcome of this research by implementing the improved urban mobility strategies results of this research. The public may benefit from the implementation of these improved mobility strategies which have the potential to reduce traffic congestion and improve mobility on the roads.

WHAT IS THE PROGRESS TO DATE?

Since 2009, this Pool Fund has produced 19 publications.

WEBSITES

<https://tti.tamu.edu/researcher/urban-mobility-pooled-fund-study-surpasses-two-decades-of-service-to-sponsors-nationwide/>

<https://mobility.tamu.edu/project/support-for-urban-mobility-analyses/>