Fostering Innovation in Pedestrian and Bicycle

A study focuses on bicycle and pedestrian network planning, safety design issues, traffic control devices, and other relevant issues.

WHAT IS THE NEED?

Transportation agencies across the country are seeking ways to improve safety and mobility for pedestrians and bicyclists. The research team has seen a rapid rise in the demand for research on a wide variety of pedestrian and bicycle issues in many different settings and situations.

This Transportation Pooled Fund (TPF) study will supplement the existing research by emphasizing short turnaround, practical research on safety, and road design that focuses on bicycle and pedestrian traffic.

WHAT ARE WE DOING?

The Federal Highway Administration (FHWA) office is collaborating with numerous research members in order to ensure that the TPF study addresses all issues, recognizes research underway, and does not duplicated any efforts.

This study includes conducting research that will evaluate the pedestrian lane facility type and multimodal safety issues relating to clear zones on rural, suburban, and urban streets; and other economic and safety benefits.
WHAT IS OUR GOAL?

The goal of this research is to focus on bicycle and pedestrian network planning, safety, design issues, traffic control devices, and other relevant issues as designed by TPF participants.

WHAT IS THE BENEFIT?

This project will provide valuable information to answer, conduct, facilitate, and support any research demands on a wide variety of pedestrian and bicycle issues. The benefits of this research is a new or improved business practice, procedure, or process. The results can improve the standards and business process to deal with evolving active transportation plan for validating yield and pedestrian sign in Manual on Uniform Traffic Control Devices.

WHAT IS THE PROGRESS TO DATE?

The Bicycle and Pedestrian TPF study has completed contracting for two projects, which are now underway.

The research team for “Driver Comprehension and Sign Design Options for Left Turn Yield to Bikes and Shared Street Signs” have completed a work plan, identified the Technical Advisory Committee members, and completed a draft literature review.

The research team for “Development of Crash Modification Factors for Curb Extensions and Bicycle Specific Intersection Markings” have completed their work plan, selected sign designs for testing, and are in the process of completing user testing.