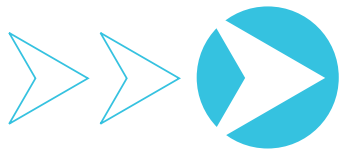# ITS4US

DEPLOYMENT PROGRAM
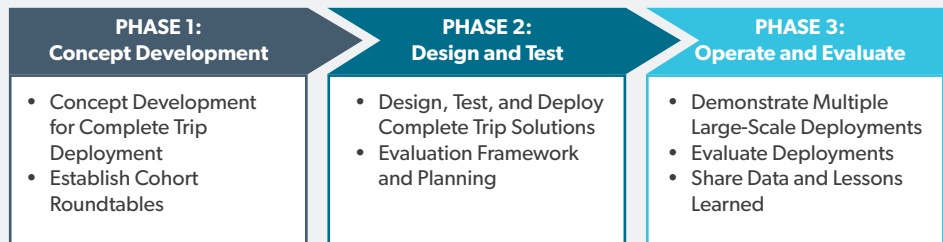
ITS JPO High-Priority Research Areas

➤ Automation

➤ Data Access and Exchanges

➤ Emerging and Enabling Technologies

➤ Cybersecurity for ITS

➤ Complete Trip – ITS4US

➤ Accelerating ITS Deployment

The lack of transportation options for all travelers, including travelers from underserved communities, is a persistent challenge for access to jobs, education, healthcare, and other activities.

As a response to these challenges, the U.S. Department of Transportation (U.S. DOT) is increasing its investments in innovations that enhance access and mobility for all travelers. The U.S. DOT is launching a new department-wide initiative to expand access to transportation for people with disabilities, older adults, and individuals of low income. The Complete Trip portfolio will identify ways to provide more efficient, affordable, and accessible transportation services for people with disabilities, older adults, and other underserved communities that often face greater challenges in accessing essential services.

As part of the Complete Trip portfolio, the Complete Trip – ITS4US Deployment Program is a multi-modal effort led by the Intelligent Transportation Systems Joint Program Office (ITS JPO) with support from the Office of the Secretary, the Federal Transit Administration, and the Federal Highway Administration. This program will make up to $40 million available to enable communities to showcase innovative business partnerships, technologies, and practices that promote independent mobility for all.

The Complete Trip – ITS4US Deployment Program expects to procure and award multiple large-scale, replicable, real-world deployments of integrated innovative technologies to address the challenges of planning and executing complete trips.

PHASE 1: Concept Development	PHASE 2: Design and Test	PHASE 3: Operate and Evaluate
• Concept Development for Complete Trip Deployment • Establish Cohort Roundtables	• Design, Test, and Deploy Complete Trip Solutions • Evaluation Framework and Planning	• Demonstrate Multiple Large-Scale Deployments • Evaluate Deployments • Share Data and Lessons Learned

U.S. Department of Transportation

The Complete Trip – ITS4US Deployment Program aims to solve the mobility challenges of all travelers, regardless of location, income, or disability, in accessing jobs, education, healthcare, and other activities.

Vision
Innovative and integrated complete trip deployments support seamless travel for all users across all modes, regardless of location, income, or disability.

Mission
Facilitate the integration and deployment of emerging technologies, along with innovative and replicable traveler-centric partnerships, business models, and practices to foster reliable, spontaneous, independent, safe, affordable, accessible, and efficient mobility options for all travelers.

Guiding Principles
• Integrated, Innovative, and Emerging Technologies
• Inclusive Design
• Long-Term Viability and Partnerships
• Open and Secure Data and Standardization

People with Disabilities

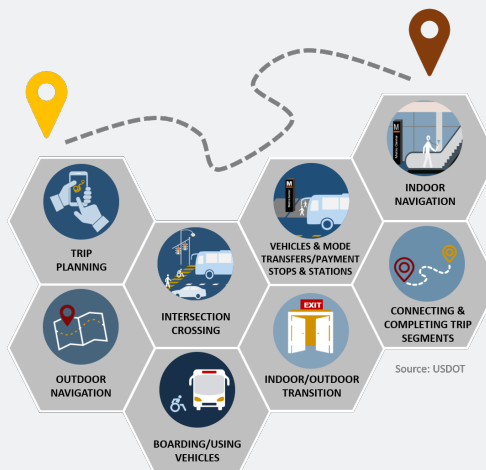Older Adults

Low Income

Rural Residents

Veterans

Limited English Proficiency

Complete Trip Concept

The success of a complete trip can be defined in terms of an individual's ability to go from origin to destination without gaps in the travel chain.

A complete trip may include multiple links or trip segments such as trip planning; outdoor navigation; intersection crossing; boarding and use of vehicles; transfers between vehicles, modes, and payment services; stop and station use; indoor and outdoor transitions; indoor navigation; and completion of travel to destination. If one segment of the trip is inaccessible, unreliable, or inefficient, then access to subsequent segments is broken, and the trip cannot be completed.

TRIP PLANNING

VEHICLES & MODE TRANSFERS/PAYMENT STOPS & STATIONS

INDOOR NAVIGATION

INTERSECTION CROSSING

CONNECTING & COMPLETING TRIP SEGMENTS

OUTDOOR NAVIGATION

INDOOR/OUTDOOR TRANSITION

BOARDING/USING VEHICLES

Source: USDOT

To learn more about this program, visit:

https://its.dot.gov/its4us

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