ENTERPRISE: Evaluating New Technologies for Road Program Initiatives in Safety and Efficiency

Created in 1991 when intelligent transportation systems (ITS) technologies were early in their development, the ENTERPRISE pooled fund has been a consistent leader in the development and application of ITS innovations. Numerous state DOT and Canadian transportation organizations have collaborated through ENTERPRISE for a quarter century to produce more than 70 research products advancing the highway operations strategies of member agencies and the entire transportation community. The study’s goals are to:

- Facilitate rapid progress in the development and deployment of ITS technologies.
- Accelerate the systematic advancement of selected ITS projects.

Members carry out ITS projects and activities including fundamental research and technology development, demonstration, standardization, and deployment. ENTERPRISE allows research to progress in tune with emerging needs and newly available technologies, always with an eye toward integrating effective solutions into day-to-day operations.

Become a Member

ENTERPRISE membership ($30,000 contribution per year) is open to federal, state, and local transportation agencies. Contributions can be made with 100% federal funds. Current members include:

- Illinois DOT
- Iowa DOT
- Kansas DOT
- Michigan DOT (lead state)
- Minnesota DOT
- Ontario Ministry of Transportation
- Pennsylvania DOT
- Texas DOT
- Wisconsin DOT

Member Benefits

ENTERPRISE addresses traffic operations challenges both by sharing members’ ITS solutions and by conducting practitioner-oriented research. Partner agencies meet in person twice each year (travel expenses are paid by the pooled fund) to identify needs, solutions and by conducting practitioner-oriented research. Partner agencies meet in person twice each year (travel expenses are paid by the pooled fund) to identify needs, solutions and by conducting practitioner-oriented research. Partner agencies meet in person twice each year (travel expenses are paid by the pooled fund) to identify needs, solutions and by conducting practitioner-oriented research. Partner agencies meet in person twice each year (travel expenses are paid by the pooled fund) to identify needs, solutions and by conducting practitioner-oriented research. Partner agencies meet in person twice each year (travel expenses are paid by the pooled fund) to identify needs, solutions and by conducting practitioner-oriented research. Partner agencies meet in person twice each year (travel expenses are paid by the pooled fund) to identify needs, solutions and by conducting practitioner-oriented research. Partner agencies meet in person twice each year (travel expenses are paid by the pooled fund) to identify needs, solutions and by conducting practitioner-oriented research.

In-Progress Research Projects

- Evolution of ITS in asset management
- Phasing out legacy ITS systems/devices
- Integrating arrow board messages into traveler information systems (Phase 3)
- Roadmap for the next generation of intersection conflict warning systems
- ITS infrastructure integration of digital mobility as a service

Upcoming Research Projects

These projects have been selected for funding; work will begin in 2019 and 2020.

- Emerging practices for communications infrastructure
- Leveraging AVL/probe data to evaluate and prioritize arterial operation strategies
- Use cases and benefits of active traffic management strategies
- Volumes from probe data
- Wrong-way driving application for connected vehicles
- Partnering with emerging technologies as an infrastructure owner-operator
- Automated/assisted classification of winter road conditions (Phase 2)
- Color messages on dynamic message signs
- In-vehicle messaging for weather-based speed advisory notifications
- Combining ITS and signals infrastructure
- Value of advanced technology to historical/traditional methods

Contact ENTERPRISE

ENTERPRISE is Transportation Pooled Fund Project #TPF-5(359). For more information, please contact:

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