FY24 Approved SCOOP Projects

Project	Description
What Freight is Going Where?	States need relevant, complete and valid data to understand what freight is moving within and across its jurisdictional boundaries. The Freight Analysis Framework (FAF) is valuable publicly available data that gives insights into national-level freight movement but does not provide the granular information necessary for state and metropolitan freight planning and policy decision making. This project will build on TETC's previous work in FAF Disaggregation to take the newly released FAF 5.4 data (2022) and disaggregate the state level data into county level data for all TETC states. Disaggregation brings FAF data to county level for greater understanding of freight generation/delivery. The 2022 FAF datasets provide key insights into recent supply chain trends and incorporates forecast data. The project would deliver to each state their data file as well as data for each TETC member state providing regional insights and information sharing. By conducting the disaggregation analysis for all TETC states saves time and resources for members (e.g., previous disaggregated data enable one agency to defer for several years a six-figure data contract).
Down with Copper Theft	Copper wiring is utilized in a variety of ITS devices. Agencies across the country have seen a rise in copper wire theft as the price of copper rises, resulting in device outages and costly repairs. This project will provide an easy-to-use synthesis of mitigation strategies, cost-benefits of these strategies, and examples of successful partnerships utilized in mitigation efforts.
AI For Operations	This project is an exploration into the use of artificial intelligence (AI) in traffic operations, including an explanation of various types of AI, the state of the practice among Coalition states, use cases for this technology, and ideas for next steps in advancing the use of AI within this industry. This project is a primer for an implementable next steps SCOOP project.
Emergency Divisible Loads	This project will work with TETC states to develop a written formal agreement (MOU) and action plan to establish a common weight standard states may apply for movement of emergency divisible loads (EDL) across TETC States during federal declared emergencies pursuant to the Stafford Act. Applying a common EDL weight on the federal interstate system during disasters/disruptions will allow carriers to better plan for and support goods movement, emergency relief and supply chain resiliency.
TIM Training	This project provides 6-month licensing and training for RealScene, a NextGen TIM training software that provides interactive 3-D immersion into traffic incident scenes with customizable roadway configurations, involved vehicles, and emergency responders.
Third Party Mapping Navigation Ticketing Hub	3rd party navigation partners play an important role in communicating roadway events to the traveling public. This project will provide a tool for collaborative reporting and to request new features for 3rd party mapping and navigation partners, with the focused goal of timely and accurate dissemination of traveler information.

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CV Data Prioritization	An investigation into the strengths, limitations, applicability, and acquisition costs for potential CV/Big Data sources. This project will also examine if and where opportunities might exist for CV data to reduce the need for costly roadside devices and the potential for data sharing among agencies or jurisdictions to avoid redundant costs.
Charging the Charge	As DOTs are in the midst of contracting with NEVI funds for public charging stations, the question many DOTs are asking is whether there should be a state-imposed fee (aka kWh fee) like the gas tax for those purchasing electricity as part of a transportation revenue strategy. This project will explore the opportunities and challenges related to adopting and implementing kWh fees. Deliverables will include a guidance document to help decision makers assess kWh fees and a peer-to-peer workshop for further interactive discussion and sharing of lessons learned.
Our Fiber/Broadband Backbone	There are a variety of considerations for deployment and/or commercialization of fiber optic communications infrastructure along highway rights-of-way. This project will provide a state of the practice across Coalition states, including various policies that govern fiber deployments. The project will be a prelude to a TETC fiber/broadband workshop in 2024.
CAPABLE	Count All Pedestrians and Bicycles Efficiently – or CAPABLE is re-examining the ecosystem supporting bicycle and pedestrian data collection. The project will result both in an inventory of existing data and best practices, as well as identify opportunities for the Coalition and its members to improve the accuracy and quality of non-motorized transportation modes in cooperation with industry.
REVEAL	The Eastern Transportation Coalition led the nation in harnessing travel time and speed from probe data in 2006 – and in 2022 the Coalition integrated traffic volume estimates into Transportation Data Marketplace to support planning and performance metrics. Real-time Volume Estimates Across Locations (or REVEAL) takes the next step toward real-time traffic volume estimates to support members respond in real-time to increasingly frequent and severe weather incidents, major incidents, and other disruptions to normal traffic flow such as a solar eclipse. REVEAL will extend the fundamental volume estimation capabilities initiated through TETC-sponsored research and provide a path for the Coalition to procure and integrate real-time volume into their TSMO systems.