FY24 Approved SCOOP Projects

Project	Description
What Freight is Going Where?	This project will build on TETC's previous work in FAF Disaggregation to take the most recently released FAF 5.4 data and disaggregate the state level data into county level data for all TETC states. Disaggregation brings FAF data to the county level for greater understanding of freight generation/delivery. These FAF datasets provide key insights into recent supply chain trends and the most current version incorporates forecast data. The project will deliver to each state their data file as well as data for each TETC member state providing regional insights and information sharing. 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).
EV Charging Data Specifications for NEVI	As State DOTs get EV fast chargers on the roadways, the way that data are collected will be critical. A partnership of public agencies, private sector and other stakeholder groups have developed a specification (housed on GitHub) that defines a common format and process for provisioning, collecting, validating and reporting on data related to EV charger deployment and use. This project will take this defined specification and create a resource document for the DOT audience to offer guidance on what they should include in contracts/RFPs with EVSPs to ensure the data they collect is useful and reportable. The final deliverable also includes examples from existing contracts.
Down with Copper Theft	Copper wiring is utilized in a variety of ITS devices. Agencies across the country have seen an increase 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, costs 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 transportation, including an explanation of various types of AI, the state of the practice among responding Coalition states, and use cases for this technology.

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CV Data Prioritization	This project is investigating and documenting the strengths, limitations, use-cases, and costs for current and emerging connected vehicle (CV) data sources. This includes examining potential opportunities for CV data to reduce the need for costly roadside units (RSUs), and strategies that could reduce the costs of acquisition through multi-agency procurements, shared use, and/or multi-state model deployments.
Charging the Charge	DOTs are hard at work awarding NEVI funds to contractors for EV charger installation. As they look forward toward the electrification transition and away from gasoline, many agencies and legislatures are considering 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 look at those states that have adopted a kWh fee and explore what is known to date about the opportunities and challenges related to that model. Deliverables will include a guidance document to help decision makers assess kWh fees, and materials to support 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 information on resources for fiber deployments (new and existing) and fiber sharing processes within Coalition states. The project will be a prelude to a TETC fiber/broadband workshop in 2024.
CAPABLE	Count All Pedestrians and Bicycles Efficiently (CAPABLE) examines the ecosystem supporting bicycle and pedestrian data collection (non-motorized counts). The project has resulted in an inventory of existing data and best practices, as well as identifying opportunities for the Coalition and its members to improve the accuracy and quality of data for non-motorized transportation modes. In cooperation with industry, the CAPABLE project has assessed the state of traditional data collection, and its relationship to inform and calibrate big data insights into bike and ped behavior on larger geographic scales. The final products will include an assessment of data schemas from various regional and national efforts to unify and integrate bike/ped data, and recommendations for a Coalition role with respect to non-motorized data.
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 the Transportation Data Marketplace to support planning and performance metrics. Real-time Volume Estimates Across Locations (REVEAL) takes the next step toward real-time traffic volume estimates to support members responding 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.