

Strengthening Mobility And Revolutionizing Transportation (SMART) Grant Program

EXHIBIT E (PROJECT EVALUATION PHASE): Annual Implementation Report Guidance for SMART Grant Recipients

Annual Implementation Reports
<p>Project Overview (All Reports)</p> <ul style="list-style-type: none"> • Describe the project and highlight the technologies being deployed (if multiple technologies are being deployed, this may be organized as “use cases”) • Summarize what constitutes end-of-project successes
<p>Evaluation Goals/Objectives, Evaluation Questions, Performance Measures (All Reports)</p> <ul style="list-style-type: none"> • Describe project evaluation goals and/or objectives and associated evaluation questions (or hypotheses) and performance measures • The inclusion of a table that demonstrates how these elements map to one another is strongly recommended (in addition to explanatory text).
<p>Elements Specific to Stage 1 Reporting</p> <ul style="list-style-type: none"> • Describe anticipated costs and benefits of the project, including: <ul style="list-style-type: none"> o data on the performance metrics for the proof-of-concept or prototype; o preliminary baseline data for an evaluation of at scale implementation; o a detailed description of the community that would be impacted by at scale implementation and the anticipated distribution of benefits; and o quantitative data to substantiate key assumptions. • Demonstrate the feasibility of at scale implementation, including identified strategies or demonstrated progress in addressing the following implementation feasibility and readiness factors by the end of the Stage 2 Grant. <ul style="list-style-type: none"> o Legal, Policy, and Regulatory Requirements (e.g., environmental permits and reviews; public outreach; State and local approvals; equity and accessibility requirements) o Procurement & Budget (e.g., availability of suppliers and equipment; Buy America requirements; reliability of cost estimates; critical property acquisition) o Partnerships (e.g., MOUs for stakeholder coordination; private sector and user adoption and acceptance) o Technology Availability (e.g., systems engineering including ConOps and Detailed Design; maturity of technology; compatibility with existing infrastructure) o Data Governance (e.g., storage capability; database analytic capability; integration requirements; sharing agreements; cybersecurity and privacy protocols) o Workforce Capacity (e.g., availability of workforce from development and installation to operations and maintenance; availability of workforce training; agency capacity for deployment, operation, and evaluation) o Sustainability (e.g., agency/institutional capacity for continued operations following the grant funded period; revenue needs for continued operations) o Other Relevant Factors
<p>Elements Specific to Stage 2 Reporting</p> <ul style="list-style-type: none"> • Describe the evaluation method(s) and data sources used to measure the

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outcomes/impacts of the project

- Describe whether the project is on track to meet its original expectations
- Provide evaluation-related progress updates (e.g., is the grantee having any issues with data collection).
- Describe project challenges and lessons learned, including where resource gaps may exist.

Elements Specific to Final Implementation Report:

- Description of evaluation design, methods, data sources, and data collection period
 - o Summary of any evaluation challenges and/or limitations
- Final assessment of the deployment and operational costs of the project, as compared to the benefits and savings;
- Final evaluation findings, including the extent to which the grantee met original expectations, as projected in the SMART grant application, related to their specific goals, such as (for example):
 - o reducing traffic-related fatalities and injuries;
 - o reducing traffic congestion or improving travel-time reliability;
 - o effectiveness of providing the public with access to realtime integrated traffic, transit, and multimodal transportation information to make informed travel decisions;
 - o reducing barriers or improving access to jobs, education, or various essential services;
- lessons learned and recommendations for future deployment strategies to optimize transportation efficiency and multimodal system performance.