

Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program Final Report Template

The contents of this template do not have the force and effect of law and are not meant to bind the public in any way. This template is intended only to provide a high-level guide for what ATCMTD grantees should include in their Final Reports based on existing requirements under the law or agency policies. All reporting requirements for each ATCMTD funding recipient are established separately in each ATCMTD grant award agreement. If you have any questions about your reporting requirements, please contact the agreement officer. If you have questions about the content of this template, please contact Margaret Petrella (margaret.petrella@dot.gov), US Department of Transportation (DOT), Volpe Center.

1. Project Summary

- Description of the project, including the technologies being deployed; these technologies may be organized as “use cases” if that provides a helpful framework:
 - Include project location(s) and initial (baseline) conditions the project is trying to address, providing context for the purpose of the project.
- Project Scope
 - Describe any changes in scope from the original award, highlighting any key goal areas or performance measures that were no longer being addressed as a result of the change in scope.
- Project Timeline

2. Performance Metrics, Evaluation Methods, and Data Sources

- Description of project goals the project covers that align with Section 6004 of the Fixing America’s Surface Transportation (FAST) Act (PL 114-94) including (*NOTE: this description should focus on goals that were measured in the evaluation*):
 - Improved safety
 - Reduced congestion and/or improved mobility (e.g., travel time reliability)
 - Reduced environmental impacts (e.g., emissions or energy)
 - Improved system performance or optimized multimodal system performance
 - Enhanced access to transportation options
 - Effectiveness of providing integrated real-time transportation information to the public to make informed travel decisions
 - Reduced costs
 - Institutional or administrative benefits (e.g., increased inter-agency coordination)
 - Other benefits
- This section should include a brief description of how the deployed technologies were expected to meet their stated goals.
- Description of performance metrics that shows how they are aligned with project goals (described in Section 6004 of the Fixing America’s Surface Transportation (FAST) Act (PL 114-94)) and evaluation questions/hypotheses (include performance measure

targets, if applicable). *Please note this list is not exhaustive, and grantees may use other performance metrics tailored to their projects:*

- Reduced traffic-related fatalities and injuries
- Reduced traffic congestion and improved travel time reliability
- Reduced transportation-related emissions
- Optimized multimodal system performance
- Improved access to transportation alternatives
- Provided the public with access to real-time integrated traffic, transit, and multimodal transportation information to make informed travel decisions
- Provided cost savings to transportation agencies, businesses, and the traveling public
- Provided other benefits to transportation users and the general public
- Evaluation design and method(s) that are being used to address each performance measure:
 - Data sources
 - Data collection time period
 - Any challenges with data sources or data collection that may have impacted the evaluation (alternatively, these challenges could be discussed in Section 3 with Evaluation findings)
- For example, if surveys are used, include information on the target population, how they were sampled or recruited, how the survey was administered, the response rate, and the types of questions that were asked (include the questionnaire in an appendix).

Note: Grantees can use a table to summarize this information. See table 1 in the appendix for an example. The table should be accompanied by text that provides more details.

3. Evaluation Results

- Detailed evaluation results (quantitative and qualitative) organized by goal area or use cases:
 - Describe any data limitations, including external factors that may have impacted the evaluation findings

4. Lessons Learned, Recommendations, and Conclusions

- Key Takeaways, including:
 - The overall effectiveness of the grantee in meeting their deployment plans
 - Deployment and operational costs of the project compared to the benefits and savings the project provides
- Project lessons learned
- Recommendations for future deployers regarding strategies to optimize transportation efficiency and multimodal system performance

Appendix

Table 1 provides an example of the type of information that grantees may want to summarize using a table format. A more detailed write-up should accompany any tables.

Table 1: Performance Measurement Summary Table

Goal Area	Performance Measure	Data Method	Data Source	Data Collection Time Period	Sample Size (if applicable)
Safety	Percent of respondents who feel safety warning was helpful	Survey	Survey response in post-survey	3 months post-deployment	N=288
Safety	Number of fatalities	Quantitative data comparison	Fatality Analysis Reporting System (FARS) data	1 year of baseline data and 1 year of post-deployment data	
Reduced Congestion and/or Improved Mobility	Percent change in average travel times	Field test (vehicle probe data)	Pre-post comparison of vehicle probe data	1 year of baseline data and 1 year of post-deployment data	
Reduced Environmental Impacts	Reduction in GHG emissions	Environmental modeling	Environmental model emission estimates	1 year of baseline data and 1 year of post-deployment data	
Cost Savings/Return on Investment	Net present value	Benefit-cost analysis	Monetized estimates of project impacts	1 year of baseline data and 1 year of post-deployment data	
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