

EVALUATION OVERVIEW

All data is based on 48 grants awarded from Fiscal Year (FY) 2016 through FY 2020.

Grantee evaluations demonstrate the effects of grantees' projects by providing insight on the benefits of the technology deployments and the overall effectiveness in advancing Fixing America's Surface Transportation (FAST) Act (Pub. L. No. 114-94) goals.

Common Technologies for Key FAST Act Goals

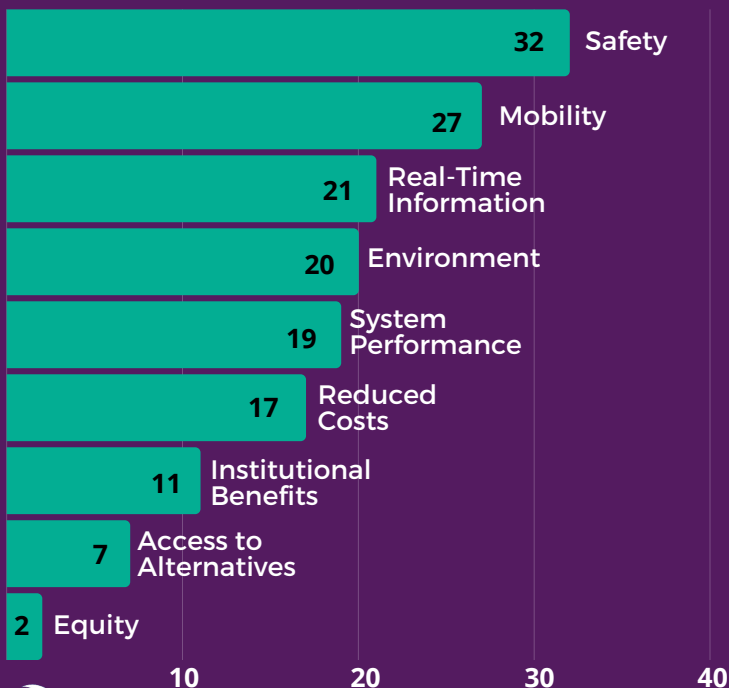
Connected Vehicles and Infrastructure, Artificial Intelligence, Machine Learning, Advanced Analytics **Safety**

Adaptive Signals, Managed Lanes and Tolling, Integrated Corridor Management **Mobility**

Automated Vehicles, Freight Technologies, Real-Time Traveler Information **Environment**

Number of Projects by Goal

Most projects set multiple FAST Act goals.



Common Performance Measures



Improved Safety

- Number/rate of crashes
- Incident response time
- Crash type/trend
- Speed

- Travel time/reliability
- Delay
- Speed
- Miles traveled

Reduced Congestion/Improved Mobility



Reduced Environmental Impacts

- Emissions
- Fuel savings/fuel consumption/idling
- Occupancy per vehicle

- Mobility measures
- On-time performance
- System performance
- Technology effectiveness

Improved System Performance



Enhanced Access to Transportation Alternatives

- Number of passengers/ridership
- User satisfaction
- Number of trips/rides

- Stakeholder information sharing
- Improved access to data
- Improved understanding of technologies

Institutional Benefits



Reduced Costs

- Cost comparison
- Net present value
- Benefit-cost analysis/ratio

- User feedback/perception
- Number of users aware of/using information

Effectiveness of Real-Time Transportation Information



Non-Binding Contents

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