



Presented For:



Presented By:



PREPARING FOR FEDERAL GRANT OPPORTUNITIES

November 2021



PURPOSE OF SESSION

PURPOSE OF SESSION



1. Raise Awareness of Federal Grant Programs
2. Identify Promising Projects
3. Prepare Winning Applications
4. Develop a Project Portfolio

Use a proactive and strategic approach

- Project identification
- Funding & strategy development
- Resource planning for application development
- Project socialization





SCHEDULE REVIEW: FEDERAL GRANT PORTFOLIO DEVELOPMENT

SCHEDULE REVIEW: FEDERAL GRANT PORTFOLIO DEVELOPMENT



FDOT FEDERAL GRANT PORTFOLIO DEVELOPMENT												
Activity/Task	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL NEW FY	AUG
Federal Grant Strategy Sessions	Future Updates			Develop 1st Portfolio								
Portfolio Candidate Project Review FMO & Executive Leadership			Future Updates			Develop 1st Portfolio						
Districts Review Grant Priorities												
Executive Office of the Governor (EOG) Review	ONGOING- SUBMIT ATLEAST 30 DAYS PRIOR TO GRANT APPLICATION SUBMISSION TO USDOT											
FEDERAL GRANT PROGRAMS OPEN FOR APPLICATIONS (BASED ON PROGRAM HISTORY)												
For Planning Purposes Only: Grants.gov is the official information source												
ADS: Automated Driving Systems												
ACMTD: Advanced Transportation and Congestion Management Technologies												
BUILD: Better Utilizing Investments to Leverage Development												
CRISI: Consolidated Rail Infrastructure and Safety Improvements												
INFRA; Infrastructure For Rebuilding America												
PID: Port Infrastructure Development												



FEDERAL GRANT OVERVIEW & BASICS

FEDERAL GRANT PROGRAMS



ADS Automated Driving Systems

ATCMTD Advanced Transportation & Congestion Management Technologies

RAISE Rebuilding American Infrastructure with Sustainability and Equity

CRISI Consolidated Rail Infrastructure and Safety Improvements

INFRA Infrastructure For Rebuilding America

PID Port Infrastructure Development

Grants

FEDERAL GRANT ACRONYMS



AOR: Authorized Organization Representative

BCA: Benefit-Cost Analysis

C.F.R.: U.S. Code of Federal Regulations

DUNS: Dun and Bradstreet (D&B) Data Universal Numbering System

EO 12372: Executive Order 12372 Process

NOFO: Notice of Funding Opportunity

POC: E-business Point of Contact

SAM: System for Award Management

SEP-14: Experimental FHWA alternative contracting process

SEP-15: Experimental FHWA project delivery process

SF-424: Standard Form application for Federal assistance

SF-424A: Budget Information for Non-Construction Programs

SF-424B: Assurances for Non-Construction Programs

SF-424C: Standard Form budget information for construction programs

SF-424D: Assurances for Construction Programs

SPOC: State Single Point of Contact for Federal Executive Order 12372

U.S.C.: United States Code

ADS BASICS | OVERVIEW



- ▶ Automated Driving System (ADS) appropriates funding for a “highly automated vehicle research and development program”
- ▶ **Funding Opportunity:** Up to \$60M (FY19)
- ▶ **Maximum Award:** \$10M per project /\$15M per state
- ▶ **Cost Share:** Not required, but encouraged
- ▶ **Typical Grant Cycle:** December - March



The program funds planning, direct research, and demonstration grants or ADS and other driving automation systems and technologies

ADS BASICS | ELIGIBLE PROJECTS



- ▶ Large-scale projects that result in a significant benefit(s) to the public
- ▶ Projects where the industry lacks adequate incentives to participate. Specifically, where cost, risk, or complexity are too significant for any single private sector entity
- ▶ Projects supporting economic vitality at the national and regional level advancing domestic industry
- ▶ Projects promoting domestic development of intellectual property
- ▶ Projects that demonstrate automation, with preference for demonstrating Level 3 or greater automation technologies

The 5 levels of driving automation

For on-road vehicles

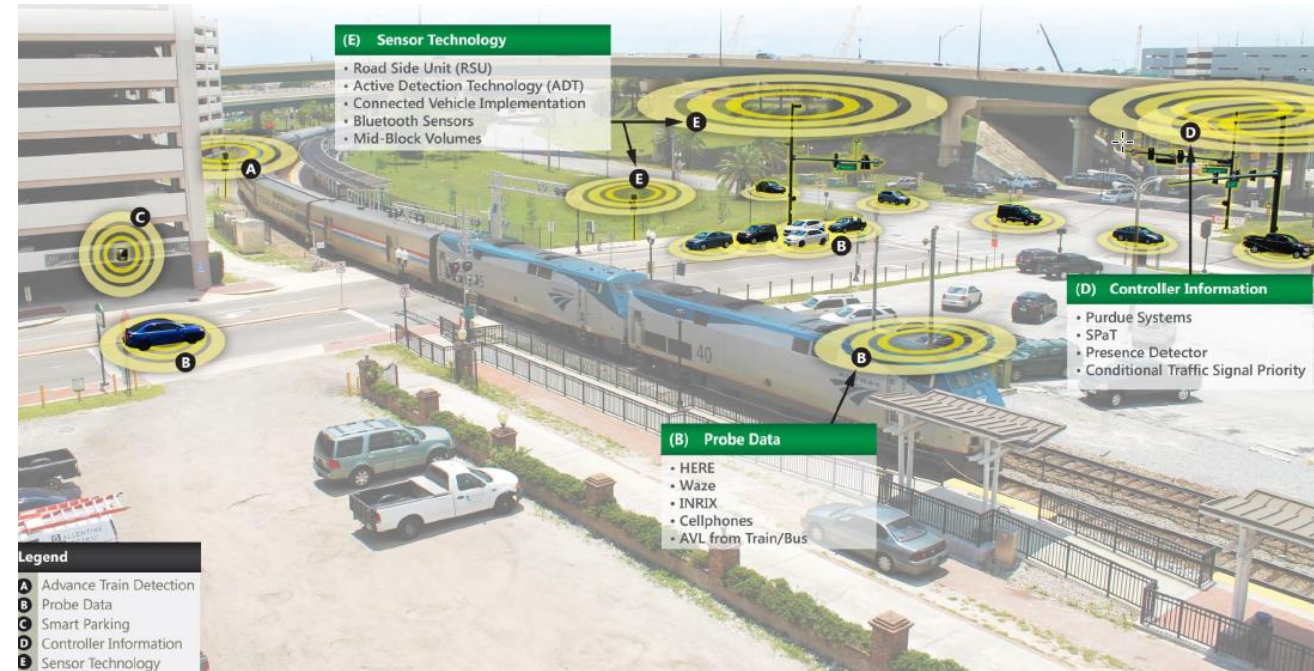


		Steering and acceleration/ deceleration	Monitoring of driving environment	Fallback when automation fails	Automated system is in control
Human driver monitors the road	0 NO AUTOMATION				N/A
	1 DRIVER ASSISTANCE				SOME DRIVING MODES
	2 PARTIAL AUTOMATION				SOME DRIVING MODES
Automated driving system monitors the road	3 CONDITIONAL AUTOMATION				SOME DRIVING MODES
	4 HIGH AUTOMATION				SOME DRIVING MODES
	5 FULL AUTOMATION				

ATCMTD BASICS | OVERVIEW



- ▶ Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD)
- ▶ **Funding Opportunity: \$60M (FY19)**
 - A single grant recipient may not receive more than \$12M in one FY
 - 5-10 awards per FY
- ▶ **Cost Share: Up to 50%**
- ▶ **Typical Grant Cycle: June - July**



Development of model deployment sites for large scale installation and operation of advanced transportation technologies to improve safety, efficiency, system performance, and infrastructure return on investment.

ATCMTD BASICS | ELIGIBLE PROJECTS



- ▶ Advanced traveler information systems
- ▶ Advanced transportation management technologies
- ▶ Infrastructure maintenance, monitoring, and condition assessment
- ▶ Advanced public transportation systems
- ▶ Transportation system performance data collection, analysis, and dissemination systems
- ▶ Technologies associated with autonomous vehicles and other collision avoidance technologies
- ▶ Integration of ITS with the Smart Grid and other energy distribution and charging systems
- ▶ Electronic pricing and payment systems
- ▶ Advanced mobility and access technologies
- ▶ Advanced safety systems, including V2V vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communications

RAISE BASICS | OVERVIEW



- ▶ Rebuilding American Infrastructure with Sustainability and Equity (RAISE)
- ▶ Supports roads, bridges, transit, rail, ports or intermodal transportation
- ▶ **Funding Opportunity: \$1B (FY21)**
- ▶ **Minimum Award: \$5M Urban/\$1M Rural/Planning no minimum**
- ▶ **Maximum Award: \$25M per project /\$100M per state**
- ▶ **Cost Share: Up to 80% Urban/100% Rural**
- ▶ **Rural Projects: 25% of funding reserved**
- ▶ **Typical Grant Cycle: April - July**



Discretionary grant program for investments in surface transportation infrastructure with a significant impact in local or regional communities

RAISE BASICS | ELIGIBLE PROJECTS



- ▶ Road or bridge projects eligible under title 23, United States Code
- ▶ Public transportation projects eligible under chapter 53 of title 49, U.S.C.
- ▶ Passenger and freight rail transportation projects
- ▶ Port infrastructure investments (including inland port infrastructure)
- ▶ Intermodal projects



CRISI BASICS | OVERVIEW



- ▶ Consolidated Rail Infrastructure and Safety Improvements (CRISI)
- ▶ **Funding Opportunity: \$362M (FY21)**
- ▶ **Cost Share: Up to 80%**
- ▶ **Rural Projects: 25% of funding reserved**
- ▶ **Typical Grant Cycle: August - October**



Discretionary grant program for projects that improve the safety, efficiency, and/or reliability of intercity passenger & freight rail systems

CRISI BASICS | ELIGIBLE PROJECTS



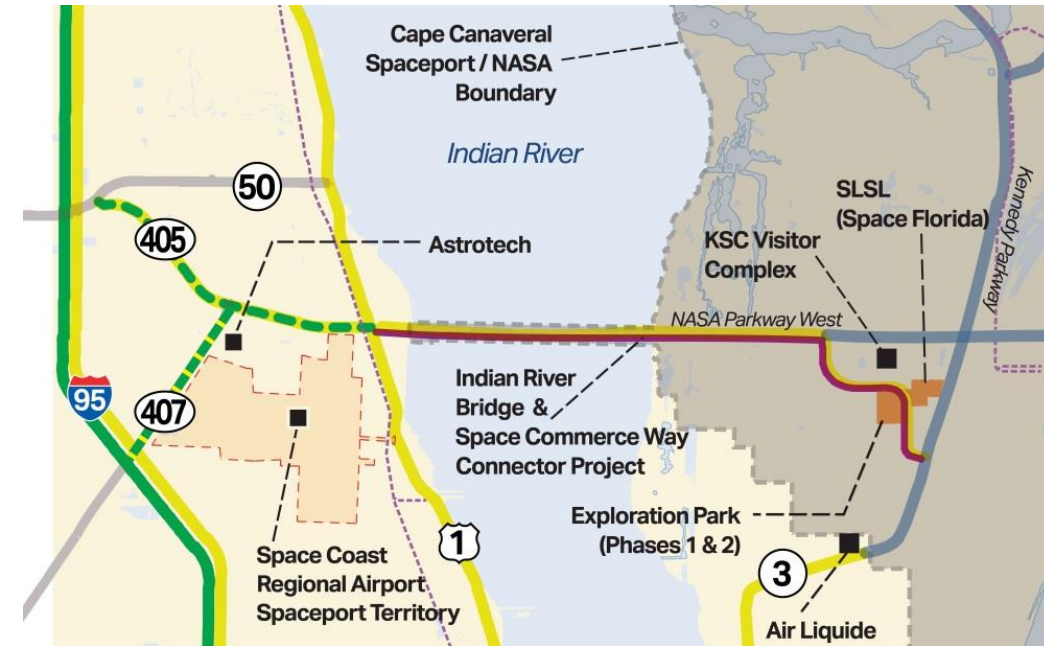
- ▶ Congestion mitigation
- ▶ Ridership growth facilitation
- ▶ Enhancements to multimodal connections
- ▶ Improvements to short-line or regional railroad infrastructure
- ▶ Railroad safety technology
- ▶ Grade crossing improvements

- ▶ Rail line relocation and improvement
- ▶ Regional, state, corridor planning and environmental analyses
- ▶ Safety programs and institutes
- ▶ Research, workforce development, and training
- ▶ Track, station and equipment improvements for intercity passenger rail

INFRA BASICS | OVERVIEW



- ▶ Infrastructure For Rebuilding America (INFRA)
- ▶ **Funding Opportunity:** \$1B (FY21)
- ▶ **Funding Allocation:** 90% large projects/
10% small projects
- ▶ **Minimum Award:** \$25M large projects/
\$5M small projects
- ▶ **Cost Share:** Up to 80% (60% INFRA /20% Federal)
- ▶ **Rural Projects:** 25% of funding reserved
- ▶ **Typical Grant Cycle:** December-March



Discretionary grant program provides Federal financial assistance to highway and freight projects of national or regional significance

INFRA BASICS | ELIGIBLE PROJECTS



- ▶ Highway freight project on the National Highway Freight Network (NHFN)
- ▶ Highway or bridge project on the National Highway System (NHS)
- ▶ Intermodal or freight rail project
- ▶ Intermodal/rail freight project within the boundaries of a public or private freight rail/maritime/intermodal facility
- ▶ Railway-highway grade crossing or grade separation project



PID BASICS | OVERVIEW

- ▶ Port Infrastructure Development (PID)
- ▶ Grants for improvements within, or around, coastal seaports
- ▶ **Funding Opportunity:** \$225,000,000 (FY21)
- ▶ **Funding Allocation:** \$200M coastal seaports/ \$92.73M Top 15 coastal container seaports(FY19)
- ▶ **Florida Ports in Top 15:** JAXPORT, Port Miami, and Port Everglades
- ▶ **Minimum Award:** \$10M
- ▶ **Application Limit:** One per applicant
- ▶ **Cost Share:** Up to 80%
- ▶ **Typical Grant Cycle:** June-September



Projects improve the safety, efficiency, or reliability of the movement of goods into, out of, around, or within a port, as well as the unloading and loading of cargo at a port

PID BASICS | ELIGIBLE PROJECTS



► Projects within the boundaries of a coastal seaport or outside the boundaries of a coastal seaport and directly related to port operations or to an intermodal connection to a port

► Examples:

- Port gate improvements
- Road & rail improvements both within and connecting to the port
- Berth improvements including docks, wharves, piers and dredging incidental to the improvement project
- Cargo moving equipment used shoreside
- Facilities necessary to improve cargo transport including silos, elevators, conveyors, container terminals, Ro/Ro facilities, etc.
- Utilities necessary for safe operations
- Port related intelligent transportation system hardware and software

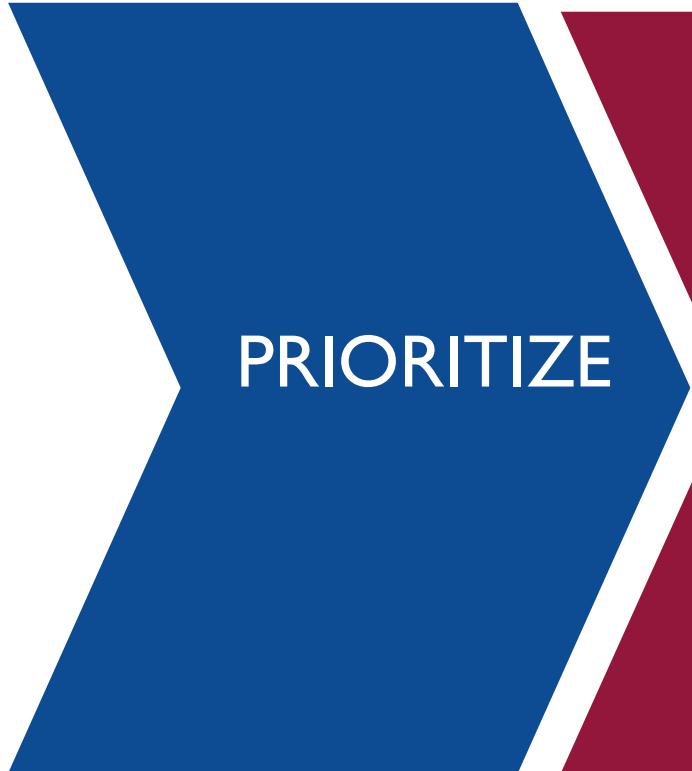


THE “4Ps” TO PREPARING WINNING GRANT APPLICATIONS

THE “4Ps” TO PREPARING WINNING GRANT APPLICATIONS



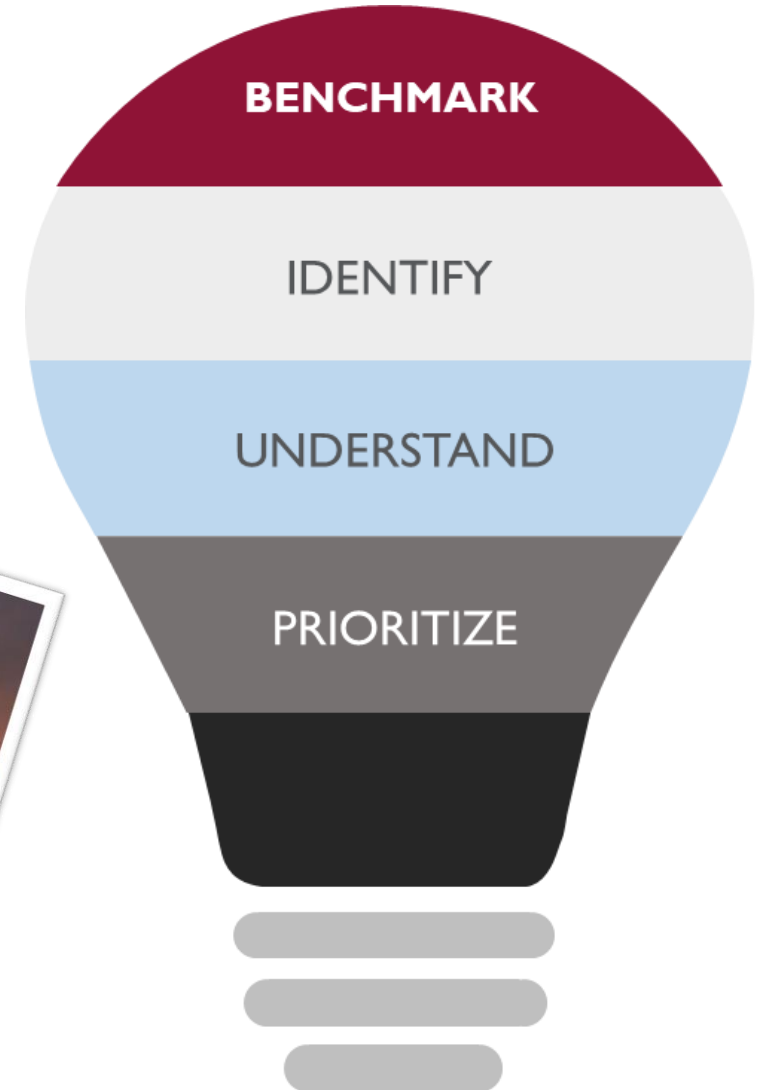
P P P P



THE “4Ps” TO PREPARING WINNING GRANT APPLICATIONS



- ▶ Benchmarking the competitive landscape
- ▶ Identifying the ideal project
- ▶ Understanding the project sponsors responsibilities
- ▶ Prioritize



THE “4Ps” TO PREPARING WINNING GRANT APPLICATIONS



- ▶ Aligns well against merit selection criteria
- ▶ Public benefits exceed the costs
- ▶ Strong support/partnership (public and private support)
- ▶ Strong cost share/matching funds (federal and non-federal)
- ▶ Considers obligation/expenditure deadlines



THE “4Ps” TO PREPARING WINNING GRANT APPLICATIONS



Application Format

Project Narrative

- Project Description
- Project Location
- Project Parties
- Grant Funds, Sources, and Uses
- Merit Selection Criteria
- Project Readiness

Appendices

- Benefit Cost Analysis (BCA)
- Letters of Support/Funding Commitments
- Supplemental Information (if applicable)

Application and Submission Information

For Planning Purposes Only: Grants.gov is the official information source

	Narrative	BCA	SF-424 (Verify Additional Tracks)
ADS	X		X
ATCMTD	X		X
RAISE	X	X	X
INFRA	X	X	X
CRISI	X	X	X
PID	X	X	X

THE “4Ps” TO PREPARING WINNING GRANT APPLICATIONS

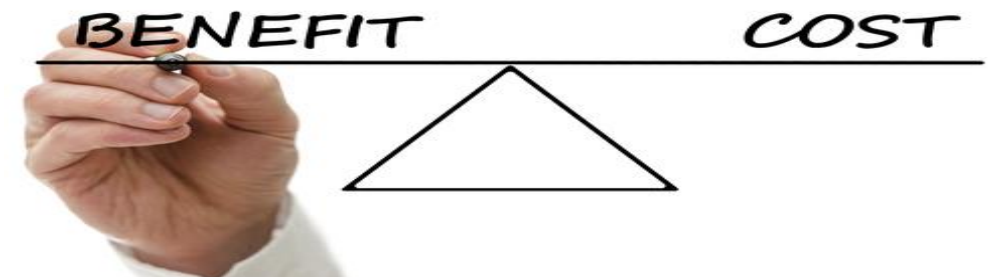


Benefit Cost Analysis (BCA)

- Useful Life of Infrastructure (20 – 30 years)
- Cost and Start of Operation & Maintenance
- Need for Baseline and Projected Traffic Counts (Levels of Service, Land Use Master Plan)
- Project Area Crash History (Number and Severity)
- Traffic Simulation Modeling (Benefits/Costs)
 - Greenhouse Gas Emissions
 - Travel Time
 - Vehicle Operations
 - Fuel Consumption
 - Crash/Injury
 - Property Damage



Are your project's anticipated benefits greater than the cost?



THE “4Ps” TO PREPARING WINNING GRANT APPLICATIONS



Environmental Readiness

Access

- Historic properties
- Wetlands/floodplain
- Endangered species
- Sole source aquifers
- Hazardous waste sites
- Socio-economic impact
- Others

Determine Project Scope

- Categorical Exclusion (CE)
(0-30 days)
- Environmental Assessment (EA)
(60-120 days)
- Environmental Impact Statement (EIS)
(120-360 days)

Public Notice/Participation



THE “4Ps” TO PREPARING WINNING GRANT APPLICATIONS



What else should be considered?

- Secure Right-of-Way (ROW)
- Railroad support
 - Economic development metrics
 - Number and types of jobs created
- Capital investment
- Environmental permits

State & Local
Planning & Approval

NEPA Approval &
Re-Evaluation

Preliminary Design
Activities

Final Design: Plans,
Specs & Permitting

Railroad
Implementation
Agreements

Procurement &
Construction

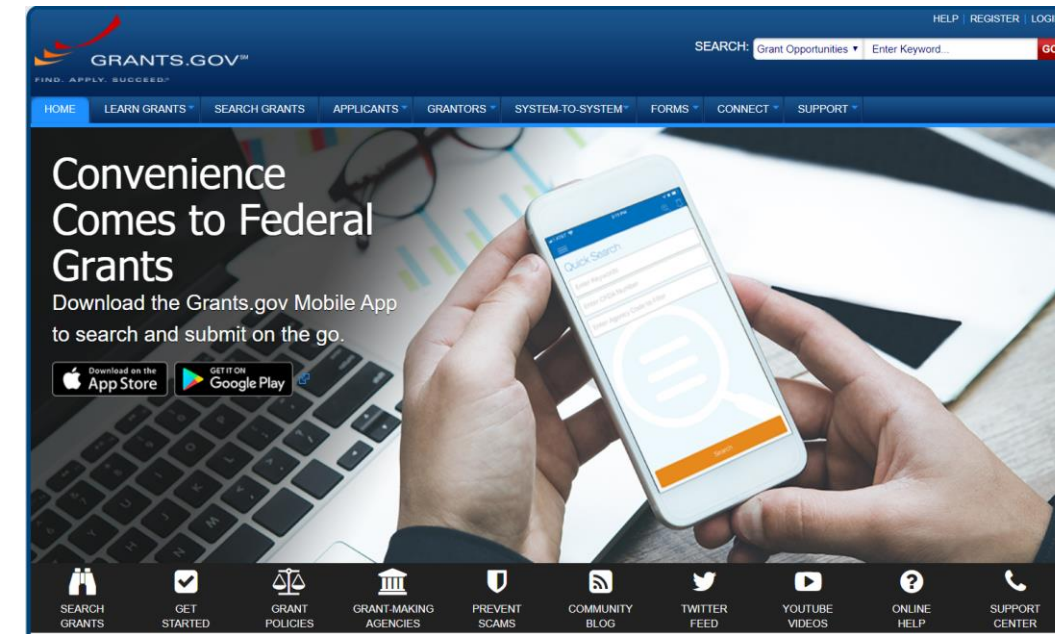
THE “4Ps” TO PREPARING WINNING GRANT APPLICATIONS



► Applications must be submitted via www.Grants.gov

- Obtain a Data Universal Numbering System (DUNS) number
- Register with the System for Award Management (SAM) at www.SAM.gov
- Create a Grants.gov username and password
- The E-business Point of Contact (POC) must respond to the registration email from Grants.gov and login at Grants.gov to authorize the applicant as the Authorized Organization Representative (AOR)
- Please note that there can be more than one AOR for an organization

► Project(s) should be socialized to US DOT and Congressional delegation



THE “4Ps” TO PREPARING WINNING GRANT APPLICATIONS



► Evaluation/Selection Process

- Intake Processing Team
- Technical Evaluation Teams
- Economic Analysis Team
- Project Readiness Team
- Senior Review Team
- Final funding awards decided by Secretary Pete Buttigieg



THE “4Ps” TO PREPARING WINNING GRANT APPLICATIONS



► Project Advocacy

- US DOT – officials in Washington and regional offices
- Congressional delegation
- State elected officials
- Locals elected officials
- Business community
- Impacted residents





AWARD EXPECTATIONS

FEDERAL GRANT AWARD EXPECTATIONS



► USDOT

- Announcements
- Project assignments (FHWA, FTA, MARAD, FRA)
- Negotiations initiated
- Sign/Execute grant agreement
- Reporting requirements/project modifications
- Project completion/close-out
- Performance monitoring

► BMPO/Awarded Municipality

- Initial grant agreement preparation



RESOURCES



RESOURCES



- ▶ [Automated Driving System Demonstration Grants \(ADS\)](#)
- ▶ [Advanced Transportation and Congestion Management Technologies Deployment \(ATCMTD\)](#)
- ▶ [Rebuilding American Infrastructure with Sustainability and Equity \(RAISE\)](#)
- ▶ [Consolidated Rail Infrastructure and Safety Improvements Program \(CRISI\)](#)
- ▶ [Infrastructure For Rebuilding America \(INFRA\)](#)
- ▶ [Port Infrastructure Development \(PID\)](#)
- ▶ [Grants.gov](#)
- ▶ [Grants.gov Forms Repository \(SF-424 Family, Post Award Reporting etc.\)](#)
- ▶ [Sam.gov](#)
- ▶ [Benefit cost analysis guidance for discretionary grant programs](#)
- ▶ [FDEP Office of Intergovernmental Programs \(OIP\) Clearinghouse Program: EO 12372](#)



QUESTIONS?

