



Development of New Project Evaluation Criteria



July 1, 2020

Regional Collaboration • Transportation Planning • Multimodal Mobility



Process Overview

- Benefit/Cost Analysis review
- Investment Categories
- TAC/TPC Subcommittee comments (e.g., Ped/Bike, Transit, Safety)
- Weighting and Scoring
- Application/Submittal Process



Draft Timeline

July	Begin discussions on investment criteria and establish working group
August	Continue discussions on investment criteria Update on the Benefit/Cost Analysis review Input from other Subcommittees
September	TAC Mid-point Progress Report (Information)
October – November	Continue development of draft evaluation criteria and selection process with TIP Subcommittee
November	TAC/TPC review of draft evaluation criteria and selection process (Information)
December/January 2021	Final draft evaluation criteria and selection process to TAC/TPC (Action)

2018 CFP Other Investments Categories

- Access Management/Safety/Grade Separations
- Active Transportation
- AV/CV Infrastructure
- Infrastructure Resiliency
- Innovative Freight Movement
- Regional ITS Infrastructure
- Rehabilitation/Reconstruction
- Roadway Added Capacity/New Construction/Complete Streets
- Transit Expansion
- Transit Facility State of Good Repair
- Transit Passenger Facilities
- Transit Priority Infrastructure

2018 Call Projects: Project Scoring

- **50% Benefit Cost Analysis**
 - Safety benefits/Crash Reduction
 - Reduced travel delay
 - Air quality benefits
- **50% Planning Factors**
 - Barrier Elimination.;
Connectivity.; Planning Factors.;
Emissions Reductions.;
Environmental Justice.
- Review benefits methodologies
- Identify gaps and improve templates to be consistent with 2020 CFP priorities

Review of Safety Benefits Template

- Safety benefits template
 - Roadways
 - Transit & Active Transportation Projects
- Safety benefits calculated based on Value of Statistical Life and crash reductions based on proposed improvement
- Crash reductions based on potential crashes with and without proposed Improvement and County crash rates per VMT

Review of Delay Benefits Template

- Calculated based on Value of Time
- Delay reductions based on proposed improvement
- Estimated potential Travel Times from Regional Travel Demand Model runs with and without proposed improvement and delay reduction factors from FIXiT 2.0 sketch planning tool

Review of Emissions Benefits Template

- Roadway Projects
 - Improvement to speed
 - Reduction in intersection delay
- Active Transportation and Transit Projects
 - Reduction in vehicle miles traveled
- Transit new vehicles
- Templates were developed consistent with MOSERS methodology

Proposed Tasks

- Review and modify safety benefits template to capture benefits based on segment specific data.
- Review and modify delay template to capture project location network benefits.
- Review and update emissions template consistent with MOSERS guidebook.

Safety Benefits - Ideas

- Consideration of crashes by mode
 - Vehicular
 - Bike/Pedestrian
- Consideration of crashes by severity and contributing factors
 - Fatalities, serious injuries Vs. All severity levels
 - Design , operations Vs. Driver behavior
- Crash rates or crashes
- Crashes within a buffer area
- Develop consistent methodology to calculate input values