

ACTION TRANSMITTAL – 2021-31

DATE: September 8, 2021

TO: Transportation Advisory Board

FROM: Technical Advisory Committee

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SUBJECT: 2022 Regional Solicitation: Weighting of Criteria and Measures

REQUESTED ACTION: Approval of the weighting of criteria and measures for the 2022 Regional Solicitation as shown in Attachments 1 through 5.

RECOMMENDED MOTION: That TAB adopt the weighting of the criteria and measures for the 2022 Regional Solicitation as shown in Attachments 1 through 5.

BACKGROUND AND PURPOSE OF ACTION: Each criterion contains measures, the scores for which are determined by TAB following TAC recommendation. The following list highlights potential changes to criteria weights and measure scoring values. Attachment 1 shows the criteria and the proposed weighting thereof for each of the application categories (only one change is under discussion). Attachments 2 through 5 show the proposed changes to the distribution of points within and between the criteria.

Proposed Criteria Weighting Changes:

- Attachment 1 highlights, within the Spot Mobility and Safety category, the Safety criterion, which committee members have suggested to be rated higher. The recommendation from TAC is currently shown with track changes. This option will be discussed by TAB at its August 18 meeting and a recommendation should be made by this committee.
- Attachments 2-5 show the proposed updates to the measures and scoring values within the Equity and Affordable Housing criterion (shaded).

RELATIONSHIP TO REGIONAL POLICY: TAB develops and issues a Regional Solicitation for federal funding.

COMMITTEE COMMENTS AND ACTION: At its August 19, 2021, meeting the TAC Funding and Programming Committee recommended adoption of the weighting of the criteria and measures for the 2022 Regional Solicitation as shown in Attachments 1 through 5.

At its September 1, 2021, meeting, the Technical Advisory Committee recommended adoption of the weighting of the criteria and measures for the 2022 Regional Solicitation as shown in Attachments 1 through 5 as part of the consent agenda.

ROUTING

TO	ACTION REQUESTED	DATE SCHEDULED / COMPLETED
TAC Funding & Programming Committee	Review & Recommend	8/19/2021
Technical Advisory Committee	Review & Recommend	9/1/2021
Transportation Advisory Board	Review & Adopt	9/15/2021

ATTACHMENT 1: DRAFT CRITERIA WEIGHTING

Criteria	Traffic Mgmt. Tech.	Spot Mobility & Safety	Strategic Capacity	Roadway Recon / Mod	Roadway Bridges	Transit Exp	Transit Mod.	TDM	Multi-Use Trails & Bike Facility	Ped. Facility	Safe Routes to School
Role in the Regional System	16%	16% 10%	19%	10%	18%	9%	9%	18%	18%	14%	--
Usage	11%	--	16%	16%	12%	32%	30%	9%	18%	14%	23%
Safety	18%	25% 30%	14%	16%	--	--	--	--	23%	27%	23%
Congestion /Air Quality	18%	25%	14%	7%	--	18%	5%	27%	--	--	--
Infrastructure Age	7%	--	4%	16%	36%	--	--	--	--	--	--
Equity and Affordable Housing	9%	9%	9%	9%	9%	18%	16%	14%	11%	11%	11%
Multimodal Facilities	5%	9%	9%	10%	9%	9%	9%	--	9%	14%	--
Risk Assessment	7%	7%	7%	7%	7%	5%	5%	5%	12%	12%	12%
Relationship Between SRTS Elements	--	--	--	--	--	--	--	--	--	--	23%
Transit Improvements	--	--	--	--	--	--	18%	--	--	--	--
TDM Innovation	--	--	--	--	--	--	--	18%	--	--	--
Cost Effectiveness	9%	9%	9%	9%	9%	9%	9%	9%	9%	9%	9%
TOTAL POINTS	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100

Changes shown from 2020: Changes in Spot Mobility & Safety application category and Equity and Affordable Housing in all applications

ATTACHMENT 2: ROADWAY MEASURES

Criteria and Measures	Traffic Mgmt	Spot Mob.	Strat Cap.	Recon/Mod	Bridge
Role in the Regional Transportation System and Economy	175	175 115	210	105	195
Distance to the nearest parallel bridge					100
Congestion, Adjacent Congestion, or PA Intersection Conversion Study Priorities		100 70	80		
Functional Classification of project	50				
Connection to Total Jobs, Manu/Dist. Jobs, and Post-Secondary Students			50	65	30
Integration within existing traffic management systems	50				
Highway Truck Corridor Tiers	50	75 45	80	40	65
Coordination with other agencies	25				
Usage	125		175	175	130
Current daily person throughput	85		110	110	100
Forecast 2040 average daily traffic volume	40		65	65	30
Equity and Affordable Housing	100	100	100	100	100
Engagement	30	30	30	30	30
Equity Population Benefits and Impacts	40	40	40	40	40
Affordable Housing Access	30	30	30	30	30
Bonus	(25)	(25)	(25)	(25)	(25)
Infrastructure Age/Condition	75		40	175	400
Date of construction			40	50	
Upgrades to obsolete equipment	75				
Geometric, structural, or infrastructure deficiencies				125	
Bridge Sufficiency Rating					300
Load-Posting					100
Congestion Reduction/Air Quality	200	275	150	80	
Vehicle delay reduced		200	100	50	
Congested roadway (V/C Ratio)	150				
Kg of emissions reduced		75	50	30	
Emissions and congestion benefits of project	50				
Safety	200	275 335	150	180	
Crashes reduced	50	225 235	120	150	
Safety issues in project area	150				
Pedestrian Crash Reduction (Proactive)		50 100	30	30	
Multimodal Elements and Existing Connections	50	100	100	110	100
Transit, bicycle, pedestrian, elements and connections	50	100	100	110	100
Risk Assessment (1 Measure: Risk Assessment Form)	75	75	75	75	75
Cost Effectiveness (total points awarded/total project cost)	100	100	100	100	100
Total	1,100	1,100	1,100	1,100	1,100

ATTACHMENT 3: TRANSIT MEASURES

Criteria and Measures	Transit Expansion	Transit Modernization
Role in the Regional Transportation System and Economy	100	100
Connection to Jobs and Educational Institutions	50	50
Average number of weekday transit trips connected to the project	50	50
Usage	350	325
Existing Riders		325
New Annual Riders	350	
Equity and Affordable Housing	200	175
Engagement	60	50
Equity Population Benefits and Impacts	80	75
Affordable Housing Access	60	50
Bonus	(25)	(25)
Emissions Reduction	200	50
Total emissions reduced	200	50
Multimodal Elements and Existing Connections	100	100
Bicycle and pedestrian elements of the project and connections	100	100
Risk Assessment	50	50
Risk Assessment Form	50	50
Service and Customer Improvements		200
Project improvement for transit users		200
Cost Effectiveness	100	100
Cost effectiveness (total points awarded/total annual project cost)	100	100
Total	1,100	1,100

ATTACHMENT 4: TDM MEASURES

Criteria and Measures	Points
1. Role in the Regional Transportation System and Economy	200
Ability to capitalize on existing regional transportation facilities and resources	200
2. Usage	100
Users	100
3. Equity and Affordable Housing	150
Engagement	45
Equity Population Benefits and Impacts	60
Affordable Housing Access	45
Bonus	(25)
4. Congestion Reduction/Air Quality	300
Congested roadways in project area	150
VMT reduced	150
5. Innovation	200
Project innovations and geographic expansion	200
6. Risk Assessment	50
Technical capacity of applicant's organization	25
Continuation of project after initial federal funds are expended	25
7. Cost Effectiveness	100
Cost effectiveness (total project cost/total points awarded)	100
Total	1,100

ATTACHMENT 5: BIKE / PEDESTRIAN MEASURES

Criteria and Measures	Multiuse Trails / Bike	Pedestrian	SRTS
Role in the Regional Transportation System and Economy	200	150	
Identify location of project relative to Regional Bicycle Transportation Network	200		
Connection to Jobs and Educational Institutions		150	
Potential Usage	200	150	250
Existing population and employment within 1 mile	200		
Existing population within ½ mile		150	
Average share of student population that bikes, walks, or uses transit			170
Student population within school's walkshed			80
Equity and Affordable Housing	120	120	120
Engagement	36	36	36
Equity Population Benefits and Impacts	48	48	48
Affordable Housing Access	36	36	36
Bonus	(25)	(25)	(25)
Deficiencies and Safety	250	300	250
Barriers overcome or gaps filled	100	120	100
Deficiencies corrected or safety problem addressed	150	180	150
Multimodal Facilities and Existing Connections	100	150	
Transit or pedestrian elements of the project and existing connections	100	150	
Risk Assessment/Public Engagement	130	130	130
Risk Assessment Form	130	130	85
Public Engagement			45
Relationship between Safe Routes to School Program Elements			250
Describe how project addresses 6 Es of SRTS Program			170
Completion of Safe Routes to School Plan			80
Cost Effectiveness	100	100	100
Measure A-Cost effectiveness (Total project cost/total points awarded)	100	100	100
Total	1,100	1,100	1,100