

# **TIP Criteria Revisions: System Preservation and Modernization**

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#### Matt Genova

**Transportation Improvement Program Manager** 

**Boston Region Metropolitan Planning Organization** 

## **Today's Presentation**

- Goals for today
- Framing the conversation
- Summary of feedback
- Proposed changes to current criteria
- Next steps
- Discussion



# **Goals for Today**



#### **Goals for Today**

- 1. Provide feedback on general direction of System Preservation criteria
- 2. Suggest additional changes or other topics for further exploration within this goal area
- 3. Set the stage for today's discussion of Equity criteria

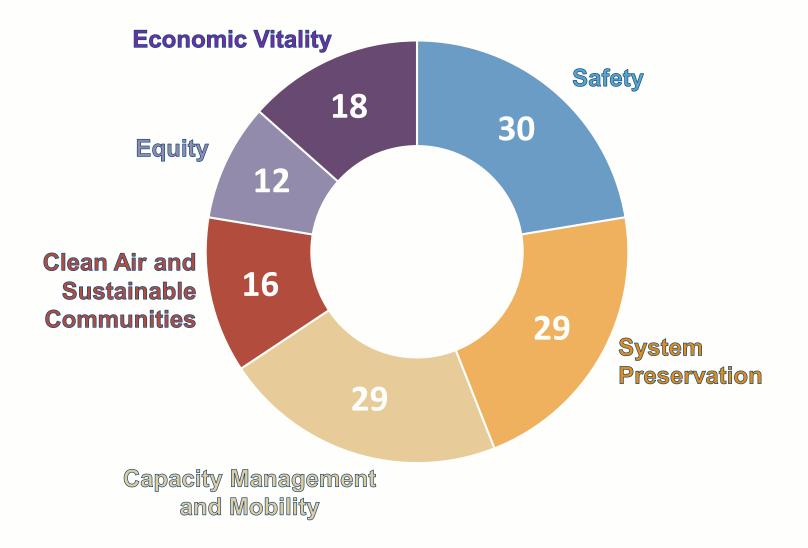


# **Framing the Conversation**



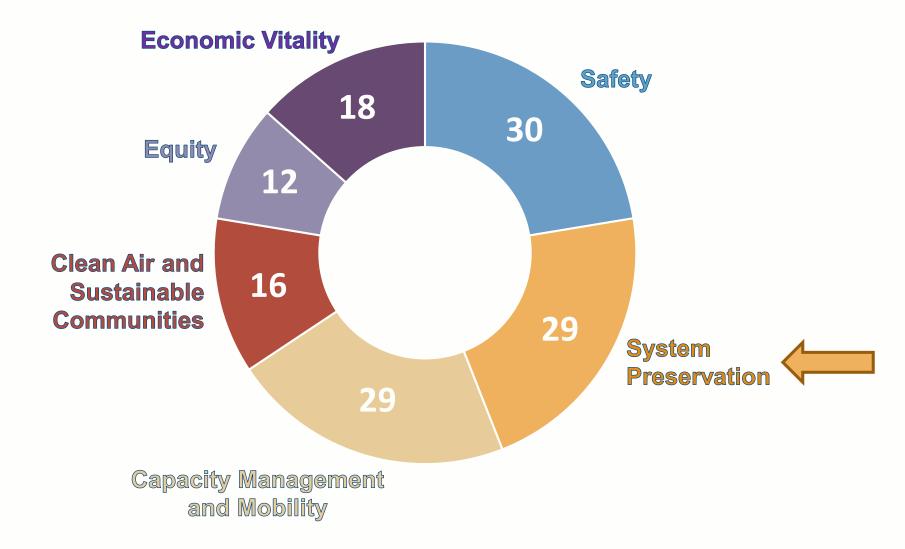
#### **Current Criteria: Overview**

#### **Current TIP Criteria: Point Allocations (134 Possible Points)**



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#### **Current Criteria: Objectives**

- Three objectives established in *Destination 2040*:
  - 1. Maintain the transportation system, including roadway, transit, and active transportation infrastructure, in a state of good repair



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  - 1. Maintain the transportation system, including roadway, transit, and active transportation infrastructure, in a state of good repair
  - 2. Modernize transportation infrastructure across all modes



#### **Current Criteria: Objectives**

- Three objectives established in *Destination 2040*:
  - 1. Maintain the transportation system, including roadway, transit, and active transportation infrastructure, in a state of good repair
  - 2. Modernize transportation infrastructure across all modes
  - 3. Prioritize projects that support planned response capability to existing or future extreme conditions (sea level rise, flooding, and other natural and securityrelated man-made impacts)



# **Summary of Feedback**



## Summary of Feedback: MPO

- Survey
  - Climate resilience criteria need to be clarified
  - System preservation criteria are helpful in scoring projects
  - More emphasis on transit system maintenance



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- Survey
  - Climate resilience criteria need to be clarified
  - System preservation criteria are helpful in scoring projects
  - More emphasis on transit system maintenance
- Focus Group
  - Maintenance of existing system before expansion
  - Transit reliability key to mode shift
  - Road condition critical for future AV implementation



#### **Summary of Feedback: Other**

#### • RTAC

- Increase weighting of resilience criteria

- Consider more directly degree of improvements



## **Summary of Feedback: Other**

- RTAC
  - Increase weighting of resilience criteria
  - Consider more directly degree of improvements
- Transportation for America
  - Issue negative scores for projects that work against resiliency
  - Reexamine weighting of traffic signals, transit assets



# Proposed Changes to Current Criteria



## **Approach to Criteria Changes**

- Address both state of good repair and modernization
- Expand resilience criteria
- Reference asset management and resilience plans
- Penalize projects in hazard zones that do not address resilience
- Standardize methods for measuring asset condition
- Expand definition of critical facilities
- Tailor criteria to specific investment programs



#### **System Preservation: Summary**

Торіс	Updated Criteria		
Resiliency	Incorporates resiliency elements into its design		
	Demonstrates regional coordination		
	Improves emergency response		
Asset Repair and Modernization	Improves and/or modernizes existing transit assets		
	Improves existing bridges or culverts		
	Improves existing pavement condition		
	Improves existing sidewalks and paths		
	Improves other existing roadway or bicycle/pedestrian facility assets		

#### **Criterion: Resiliency Elements**

Criterion	Project incorporates resiliency elements into its design
Key Features	<ul> <li>Awards points for:</li> <li>Links to resiliency plans</li> <li>Addressing future conditions (flooding/sea level rise)</li> <li>Using climate-resilient materials or nature-based solutions</li> <li>Improving stormwater infrastructure</li> <li>Protecting the freight network</li> </ul> Deducts points if project is located in hazard zone but doesn't address resilience
Updates to Existing Criterion	<ul> <li>Focuses on sea level rise and flooding</li> <li>Adds emphasis on materials/strategies</li> <li>Introduces penalty</li> </ul>
Program Modifications	<ul> <li>Bicycle/Pedestrian and Transit Modernization Programs don't include freight network score</li> </ul>
<b>Discussion Topics</b>	Point penalty

#### **Criterion: Regional Coordination**

Criterion	Project demonstrates regional coordination	
Key Features	<ul> <li>Awards points for:</li> <li>Providing off-site resiliency benefits</li> <li>Proponent coordination with other resiliency projects</li> </ul>	
Updates to Existing Criterion	<ul> <li>N/A (new criterion)</li> </ul>	
Program Modifications	<ul> <li>N/A (same scoring across investment programs)</li> </ul>	
<b>Discussion Topics</b>	Similar to Community Connections scoring	

#### **Criterion: Emergency Response**

Criterion	Project improves emergency response
Key Features	<ul> <li>Awards points for:</li> <li>Improving an evacuation route, diversion route, or alternate diversion route</li> <li>Improving connectivity to critical facilities</li> </ul>
Updates to Existing Criterion	<ul> <li>Expands definition of critical facilities to include schools, long-term care facilities, utilities, and other resilience- supporting facilities</li> </ul>
Program Modifications	<ul> <li>Bicycle/Pedestrian and Transit Modernization Programs do not include evacuation route scores</li> </ul>
<b>Discussion Topics</b>	Critical facilities definition

#### **Criterion: Transit Assets**

Criterion	Project improves and/or modernizes existing transit assets	
Key Features	<ul> <li>Awards points for:</li> <li>Improving condition of existing transit assets</li> <li>Modernizing existing transit assets</li> <li>(Bonus) Improving operations- or safety-critical or climate- sensitive assets</li> </ul>	
Updates to Existing Criterion	<ul> <li>Incorporates roadway-based transit assets</li> <li>Distinguishes between replacing and modernizing assets</li> </ul>	
Program Modifications	<ul> <li>Bicycle/Pedestrian Program not scored</li> <li>Transit Modernization Program weighted most heavily</li> </ul>	
<b>Discussion Topics</b>	Bonus points	

#### **Criterion: Bridges and Culverts**

Criterion	Project improves existing bridges and culverts	
Key Features	<ul> <li>Awards points for:</li> <li>Improving structure condition from fair or poor to good</li> <li>(Bonus) Modernizing designs or reducing weight or height restrictions</li> <li>(Bonus) Improving NHS or freight network structures</li> </ul> Includes scaled points for improving more than one structure	
Updates to Existing Criterion	<ul> <li>Incorporates new federal good/fair/poor definitions</li> <li>Specifically includes culverts</li> <li>Rewards improvements on specific networks</li> </ul>	
Program Modifications	Bicycle/Pedestrian Program not scored for this criterion	
<b>Discussion Topics</b>	<ul><li>New bonus points</li><li>Scaling for multiple structures</li></ul>	

#### **Criterion: Pavement Condition**

Criterion	Project improves existing pavement condition	
Key Features	<ul> <li>Awards points for:</li> <li>Improving pavement condition from fair or poor to good</li> <li>(Bonus) Improving roadway substructure</li> <li>(Bonus) Improving NHS, freight network, or key bus route pavement</li> </ul>	
Updates to Existing Criterion	<ul> <li>Incorporates new federal good/fair/poor definitions</li> <li>Recognizes substructure improvements</li> <li>Rewards improvements on specific networks</li> </ul>	
Program Modifications	<ul> <li>Bicycle/Pedestrian and Transit Modernization Programs not scored</li> <li>Scaled down point values for Intersection Improvements</li> </ul>	
<b>Discussion Topics</b>	<ul><li>Scaling across investment programs</li><li>Substructure scoring</li></ul>	

#### **Criterion: Sidewalks and Paths**

Criterion	Project improves existing sidewalks and paths	
Key Features	<ul> <li>Awards points for:</li> <li>Relative quantity of existing sidewalk or shared-use path reconstructed within project area</li> </ul>	
Updates to Existing Criterion	<ul> <li>Refocuses scoring on quantity of sidewalk/path improved, rather than existing condition of sidewalk in project area</li> <li>Specifically includes shared-use paths</li> </ul>	
Program Modifications	<ul> <li>Higher point values for Bicycle/Pedestrian Program</li> </ul>	
<b>Discussion Topics</b>	<ul> <li>Scaling by quantity over existing condition</li> </ul>	

#### **Criterion: Other Facility Assets**

Criterion	Project improves other existing roadway or bicycle/pedestrian facility assets	
Key Features	<ul> <li>Awards points for:</li> <li>Improving existing traffic signals</li> <li>Improving other elements, including guard-rails, signage, pavement markings, lighting, or non-bridge structures</li> <li>Includes scaled points for improving more assets</li> </ul>	
Updates to Existing Criterion	<ul> <li>Incorporates new elements</li> <li>Reduces focus on current traffic signal condition</li> </ul>	
Program Modifications	Transit Modernization Program not scored	
<b>Discussion Topics</b>	Inclusion of new assets	



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