



# **TIP Criteria Revisions: Scoring Framework**

**August 20, 2020**

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**Transportation Improvement Program Manager**

**Boston Region Metropolitan Planning Organization**

# Today's Presentation

- **Goal/questions for today**
- **Current scoring framework**
- **Summary of MPO feedback**
- **Proposed new framework**
- **Next steps**
- **Discussion**

**Goal for Today:** Provide feedback  
on the proposed new scoring  
framework and point allocations

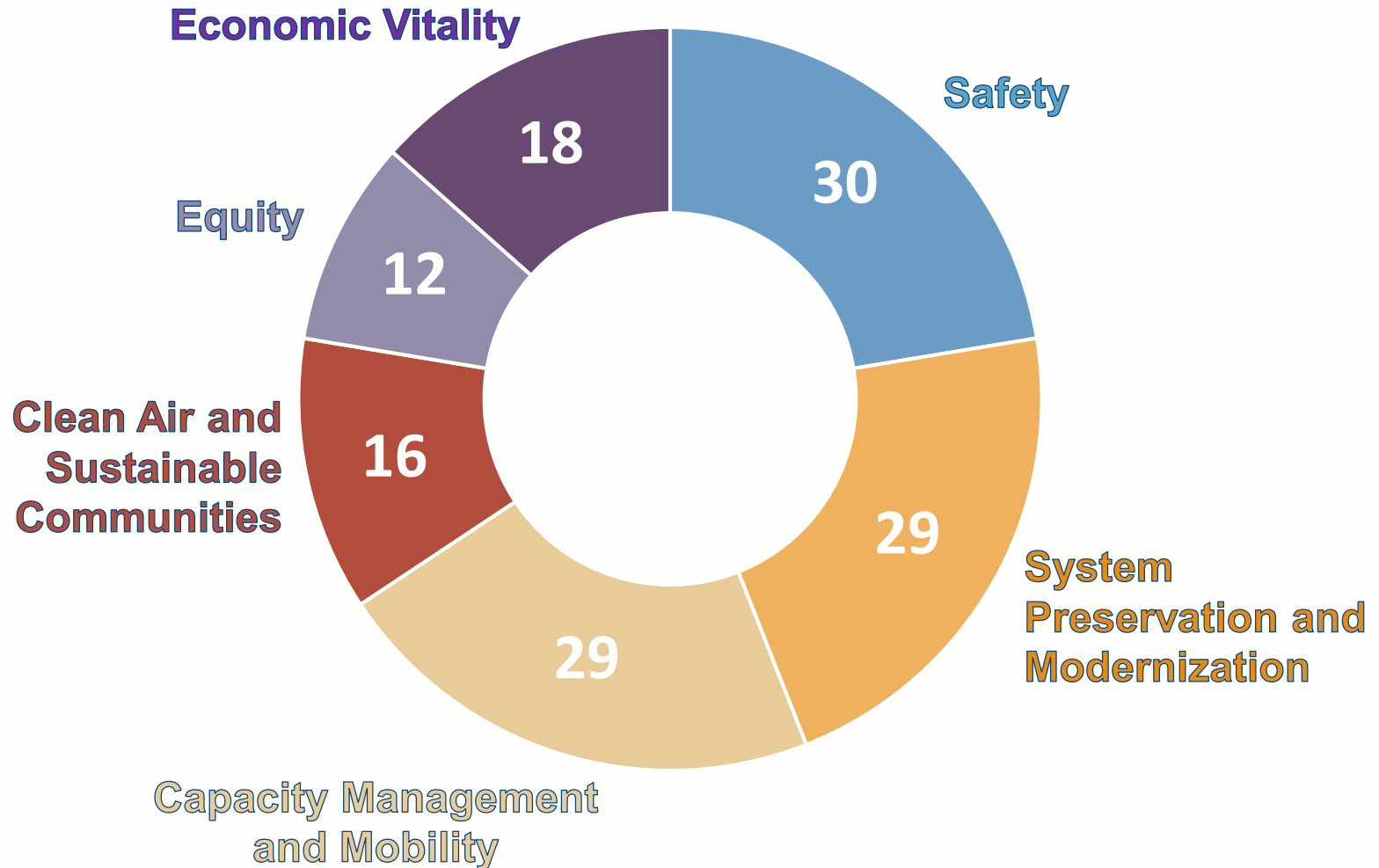
# Questions for Today

1. Do you support transitioning to a new overall point total?
2. Do you support increasing the value of Transportation Equity as a portion of total score?
3. Do you support the idea of using different goal area weightings across different investment programs?

# Current Scoring Framework

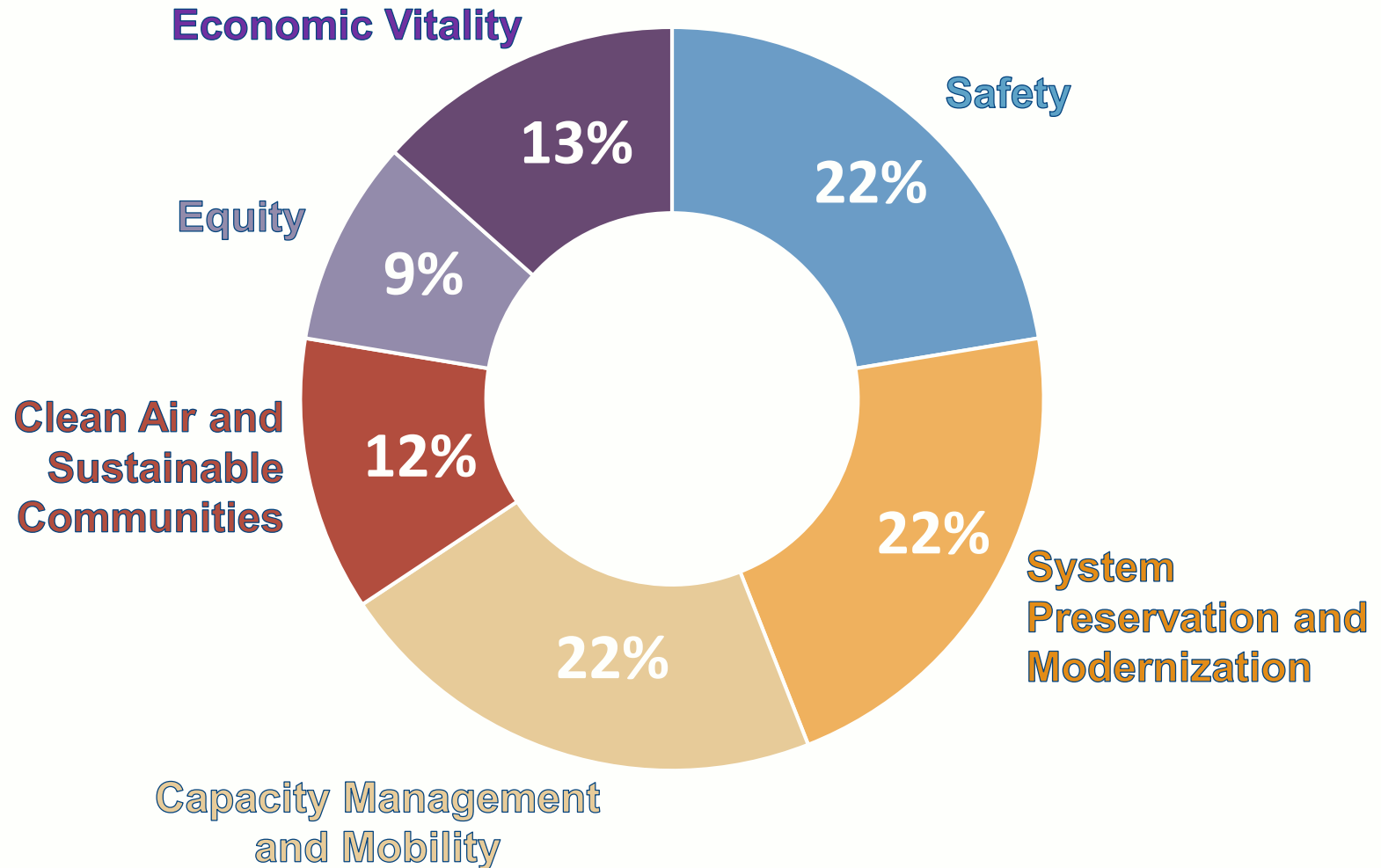
# Current Scoring Framework

Current TIP Criteria: Point Allocations (134 Possible Points)

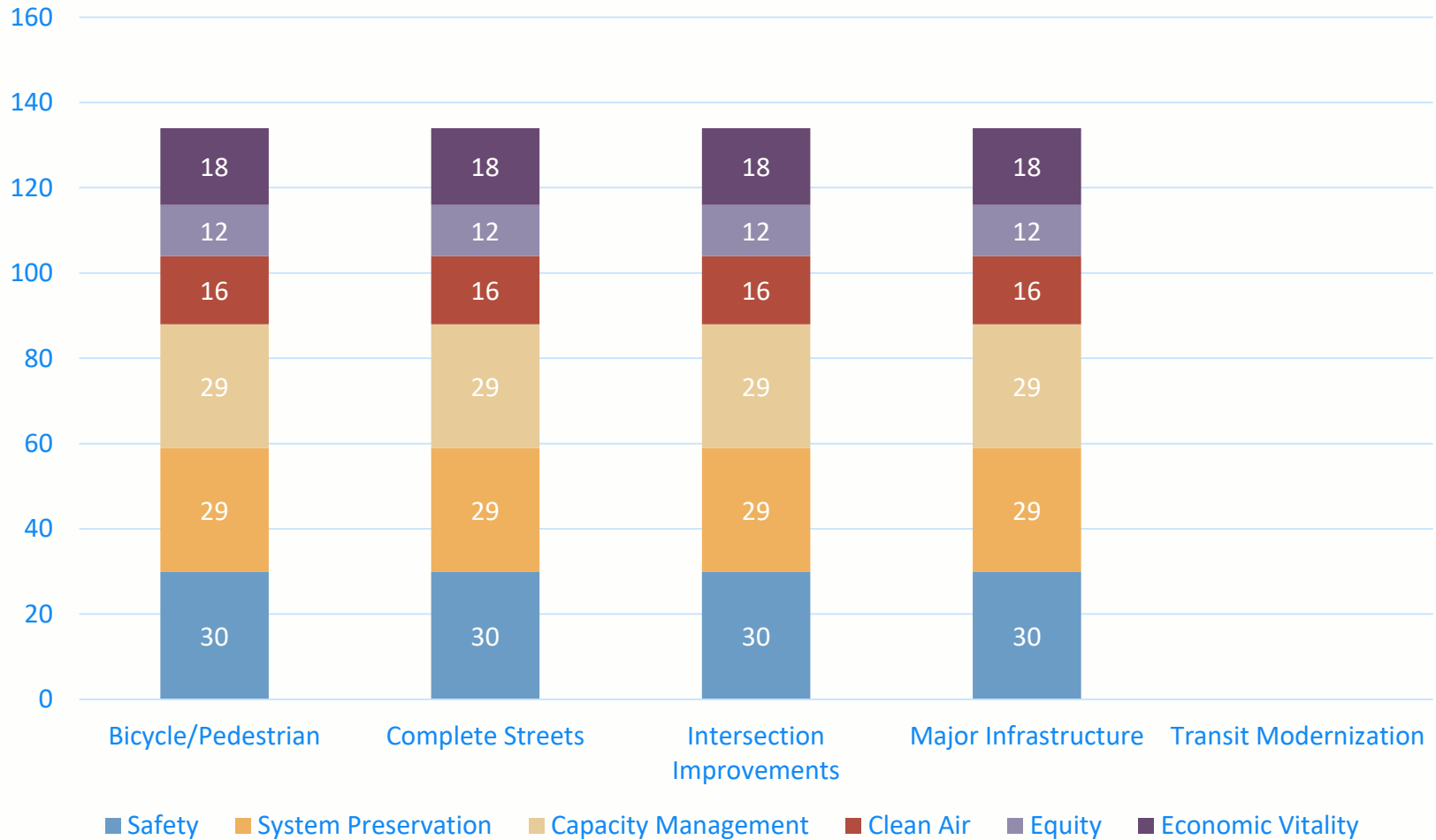


# Current Scoring Framework

Current TIP Criteria: Point Allocations (134 Possible Points)

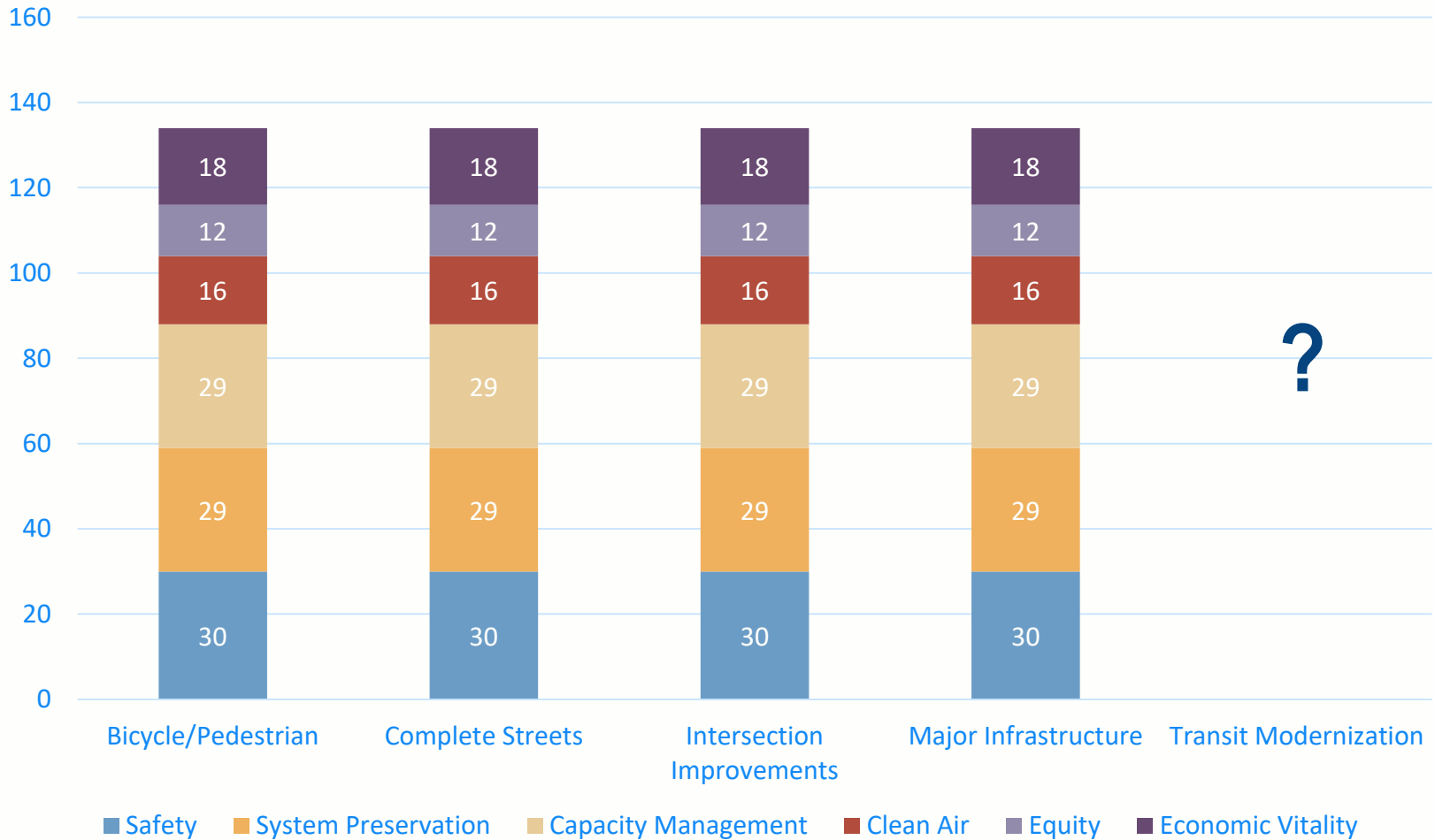


# Current Scoring Framework





# Current Scoring Framework



# Summary of MPO Feedback

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- **Survey (December 2019): Most important goals for transportation projects**
  1. **Equity (73%)**
  2. **Pedestrian safety (55%)**
  2. **Promoting economic development (55%)**
  2. **Prioritizing buses (55%)**
  5. **Bicycle safety (45%)**
  5. **Reducing emissions (45%)**

# Summary of MPO Feedback

- **Focus Group (July 2020)**
  - **Safety is the most important thing a project can accomplish**

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  - **Equity should be highlighted separately from base scoring**

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- **Focus Group (July 2020)**
  - **Safety is the most important thing a project can accomplish**
  - **System preservation second in importance**
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  - **Equity should be highlighted separately from base scoring**
  - **Point disparities between goal areas should be reduced**
  - **Overall scoring system should be legible**

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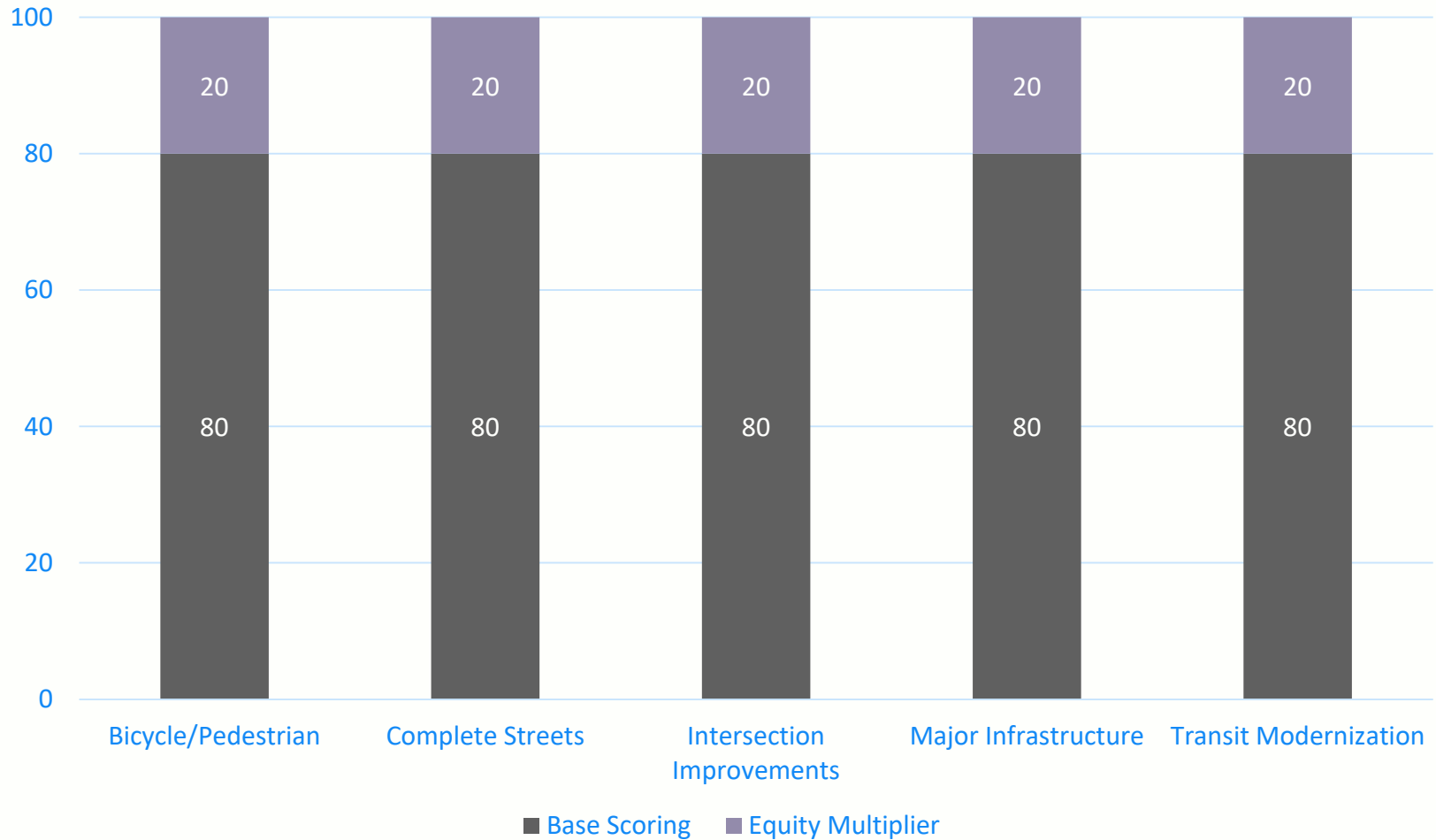
- **Focus Group (July 2020)**
  - Safety is the most important thing a project can accomplish
  - System preservation second in importance
  - Capacity management points should be focused on non-SOV modes
  - Equity should be highlighted separately from base scoring
  - Point disparities between goal areas should be reduced
  - Overall scoring system should be legible
  - No strong preference on different weights across investment programs

# Proposed New Framework

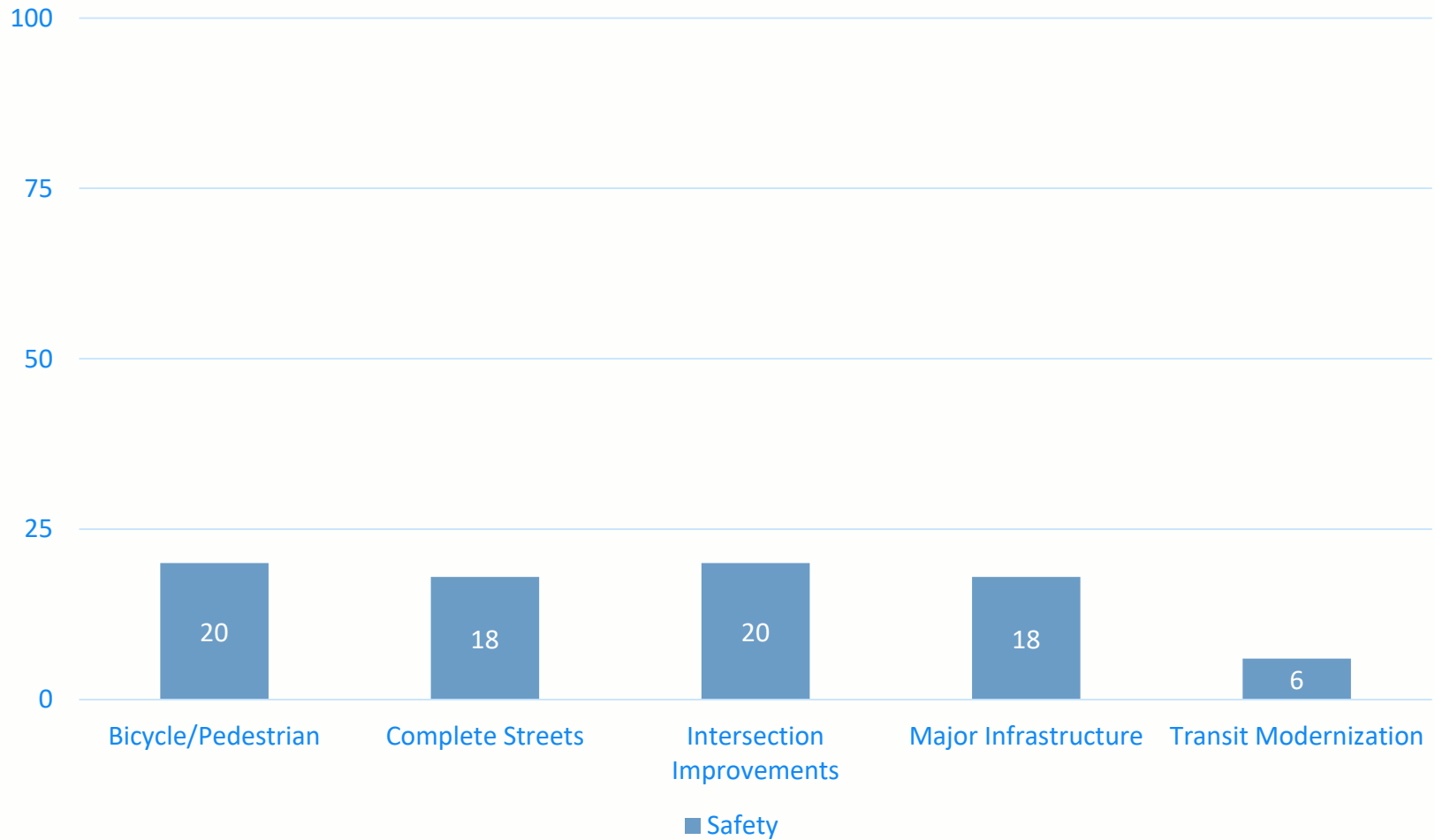
# Approach to New Framework

- Incorporate MPO member feedback
- Make final score legible
- Increase the overall weight of Transportation Equity, while highlighting these points as distinct

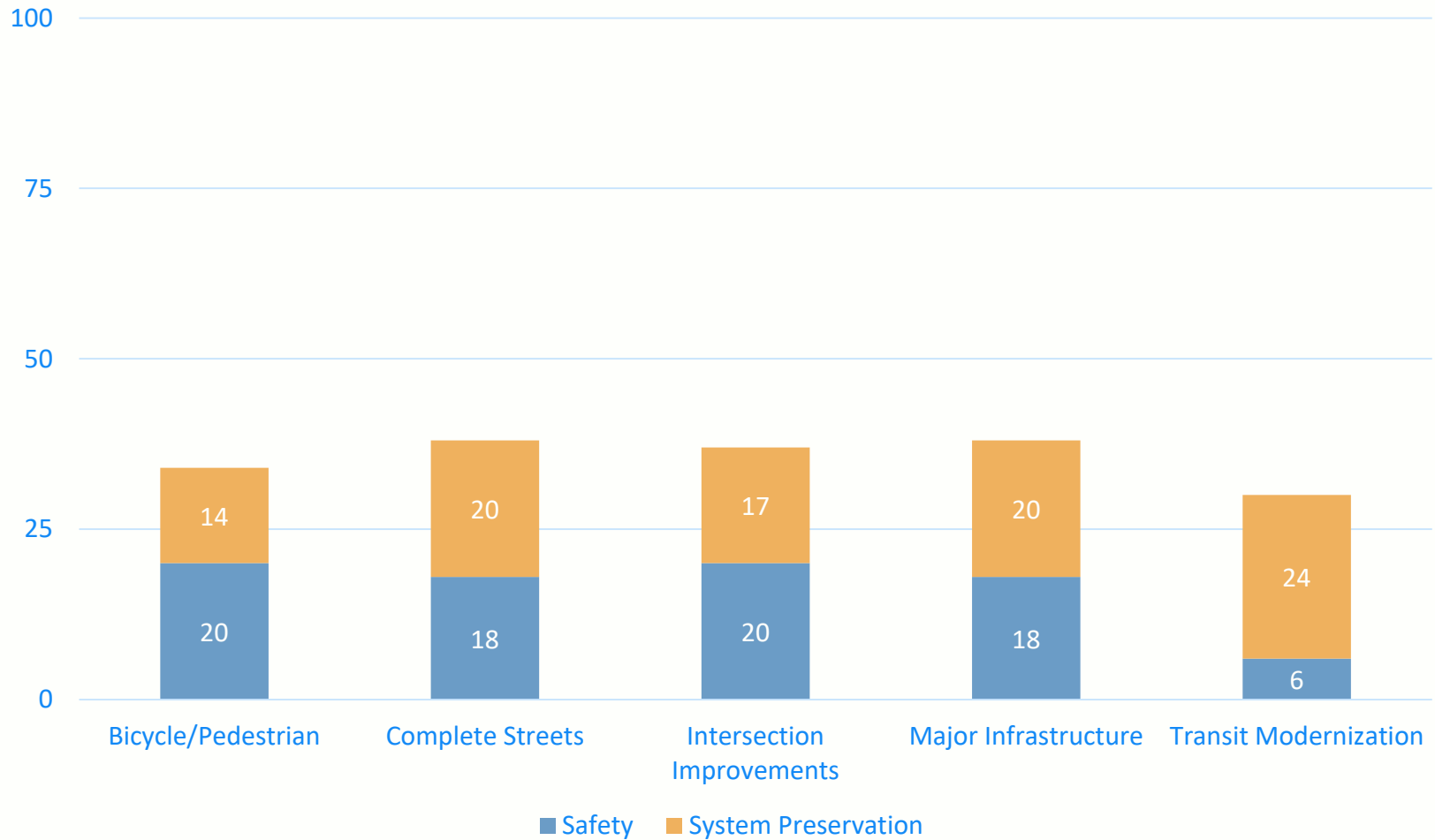
# Proposed Scoring Framework



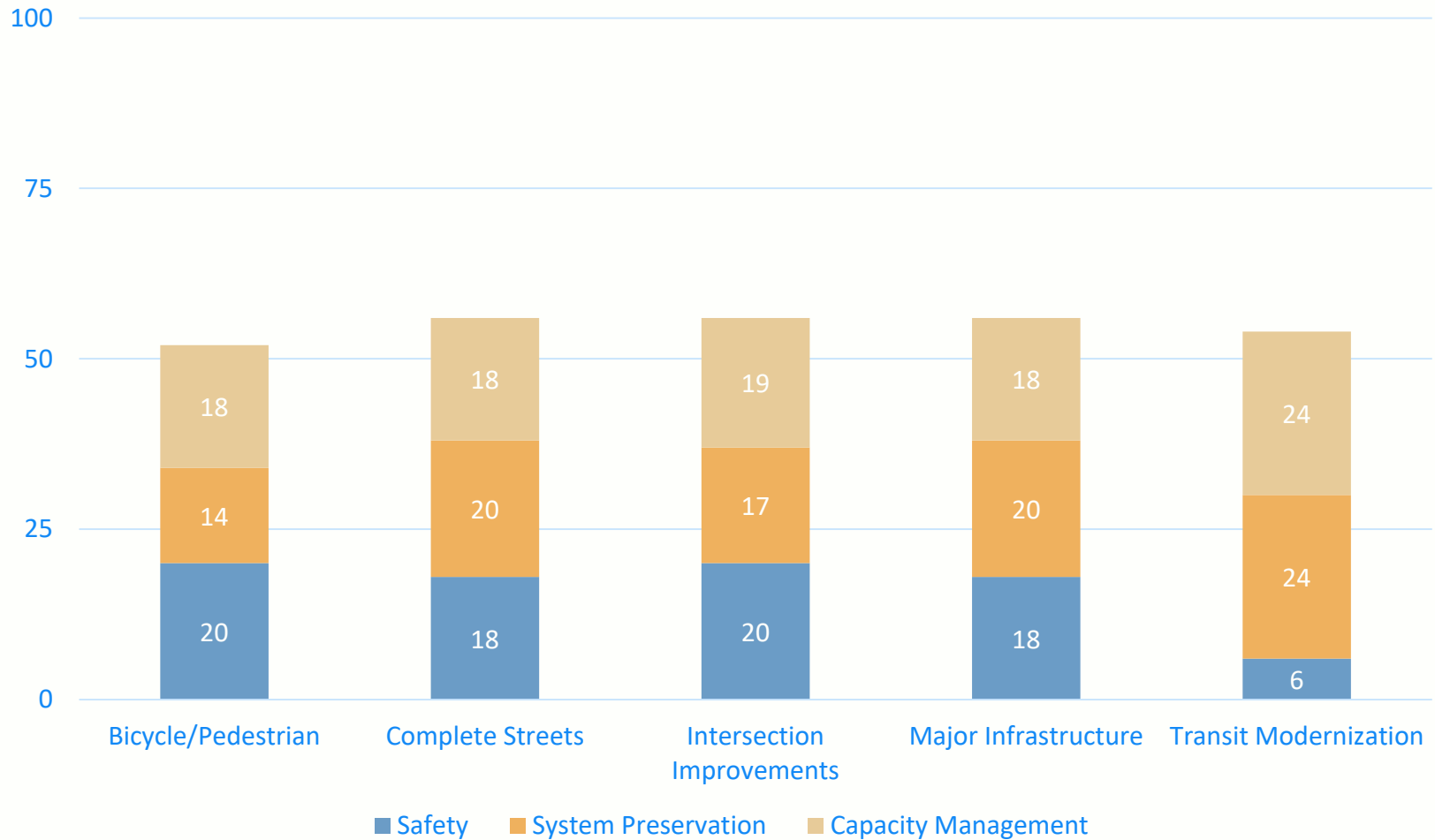
# Proposed Scoring Framework



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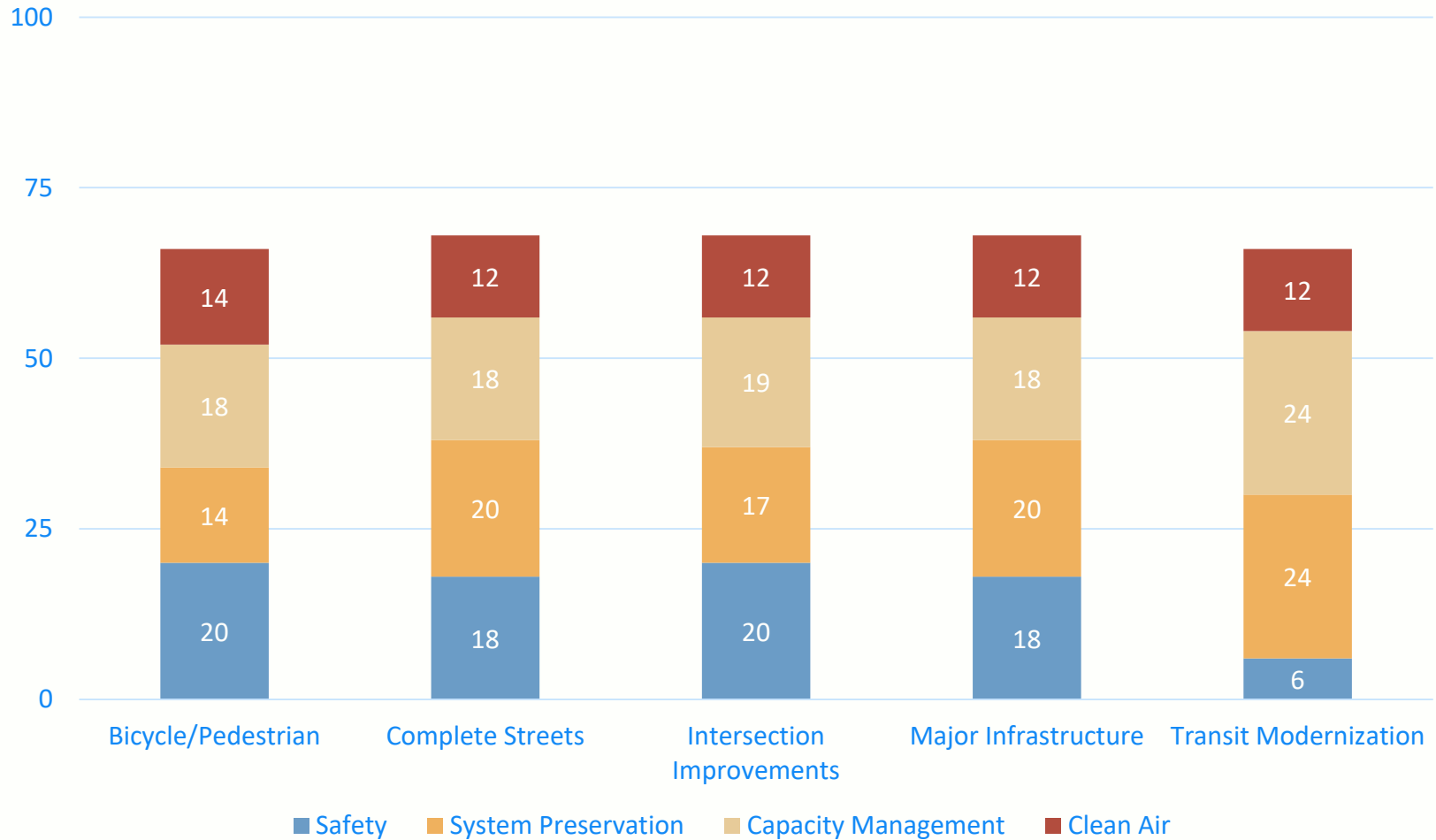


# Proposed Scoring Framework

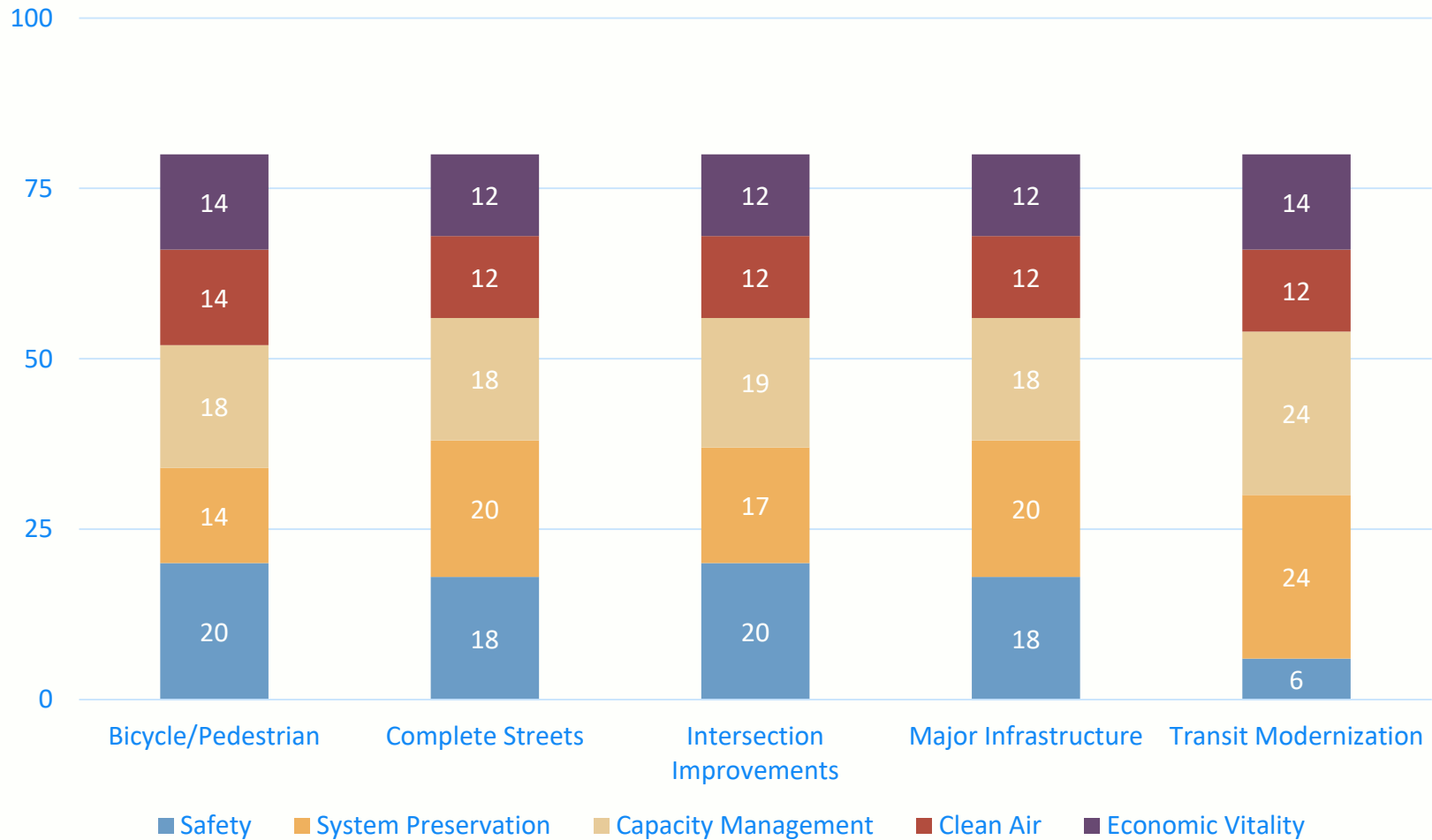




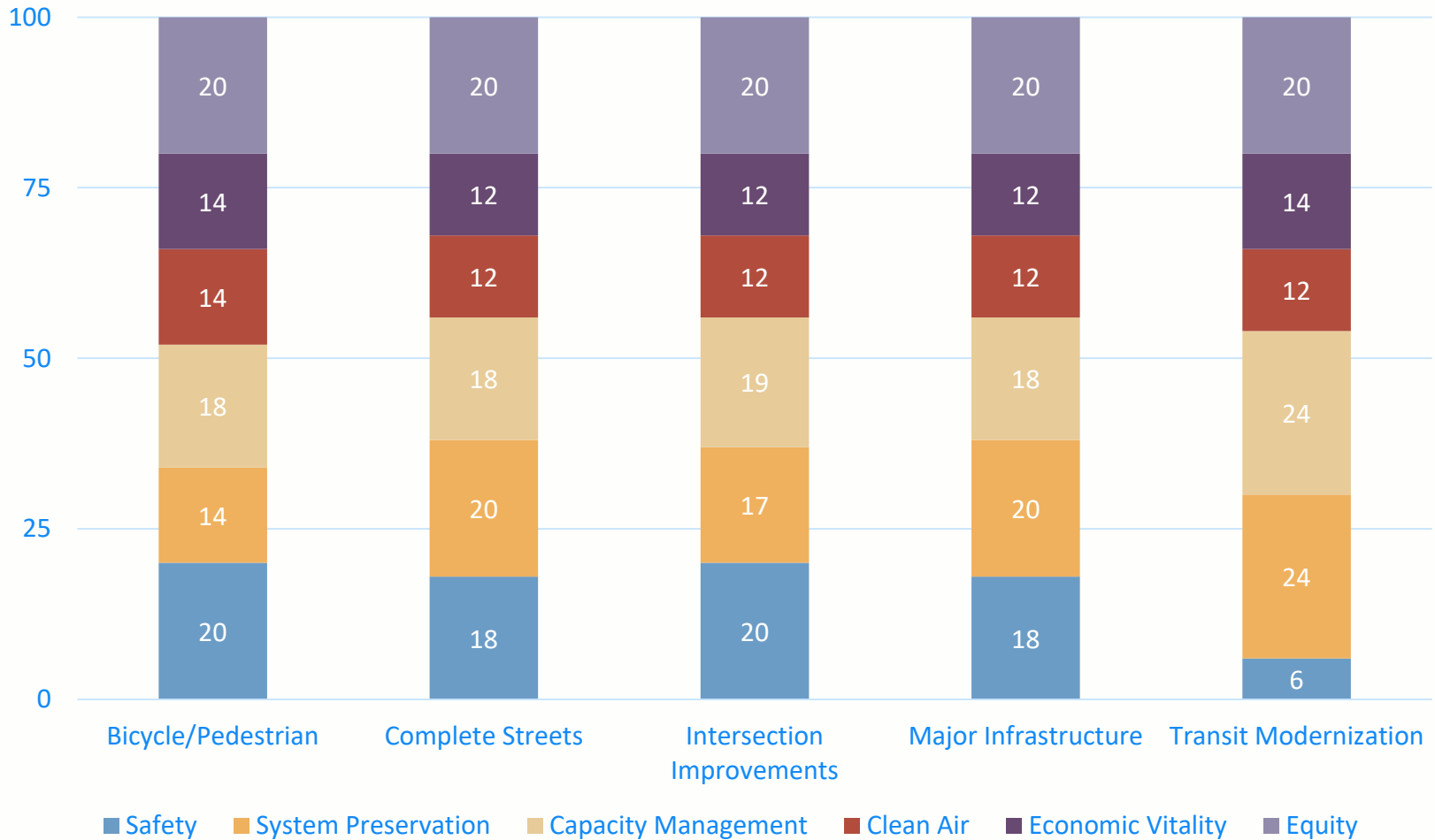
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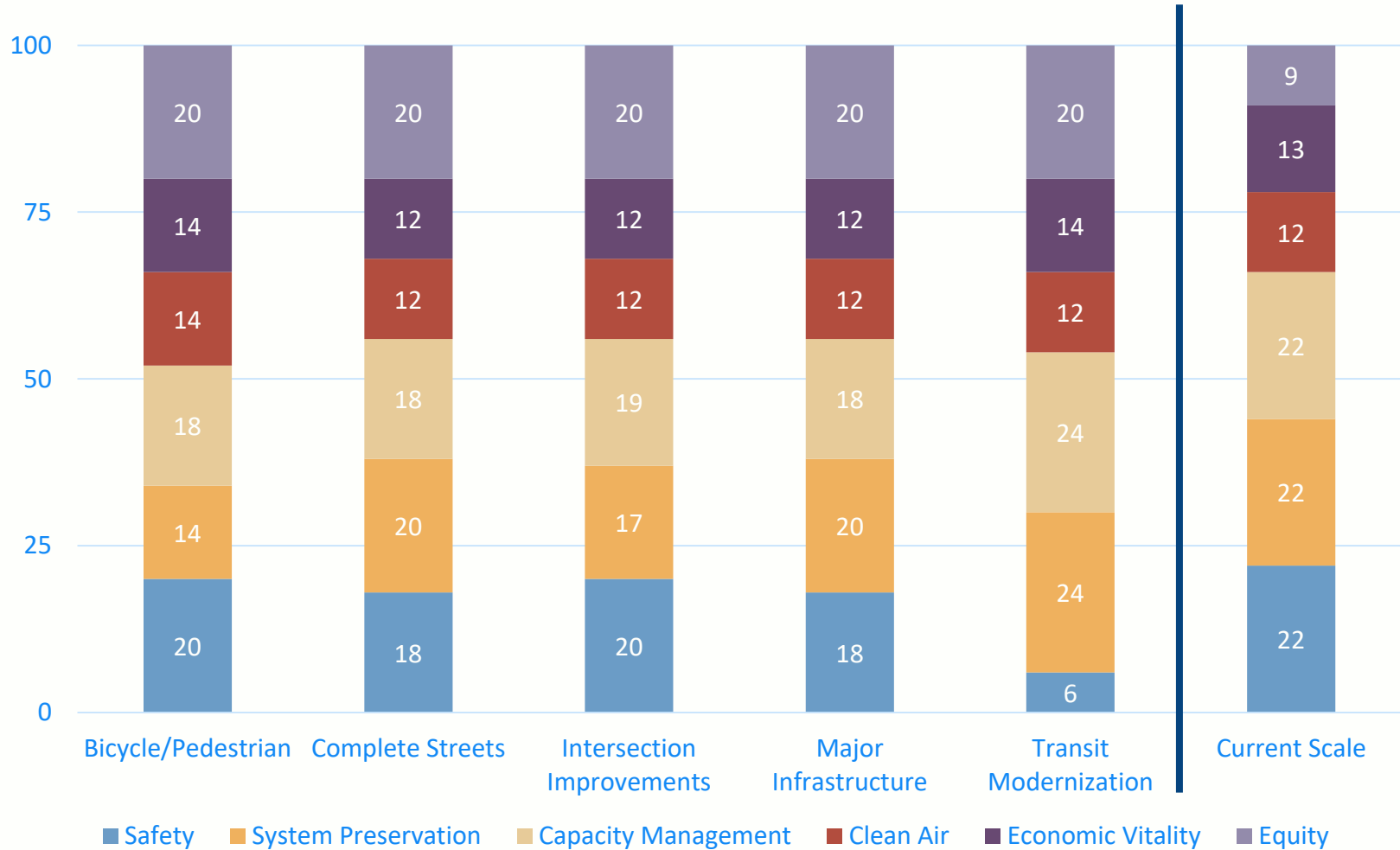
# Proposed Scoring Framework



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# Proposed Scoring Framework



# Proposed Scoring Framework: Example

	Points Possible			
<b>Safety</b>	<b>20</b>			
<b>System Preservation</b>	<b>17</b>			
<b>Capacity Management</b>	<b>19</b>			
<b>Clean Air</b>	<b>12</b>			
<b>Economic Vitality</b>	<b>12</b>			
<b>Base Score</b>	<b>80</b>			
<b>Equity Score</b>				
<b>Total Score</b>				

# Proposed Scoring Framework: Example

	Points Possible			
Safety	20			
System Preservation	17			
Capacity Management	19			
Clean Air	12			
Economic Vitality	12			
<b>Base Score</b>	<b>80</b>			
<b>Equity Score</b>	<b>38</b>			
<b>Total Score</b>	<b>118</b>			

# Proposed Scoring Framework: Example

	Points Possible	Points Scaled		
Safety	20	20		
System Preservation	17	17		
Capacity Management	19	19		
Clean Air	12	12		
Economic Vitality	12	12		
<b>Base Score</b>	<b>80</b>	<b>80</b>		
<b>Equity Score</b>	<del>38</del>	20		
<b>Total Score</b>	<del>118</del>	100		

# Proposed Scoring Framework: Example

	Points Possible	Points Scaled	Points Scored	
<b>Safety</b>	20	20	14	
<b>System Preservation</b>	17	17	12	
<b>Capacity Management</b>	19	19	7	
<b>Clean Air</b>	12	12	6	
<b>Economic Vitality</b>	12	12	9	
<b>Base Score</b>	80	80		
<b>Equity Score</b>	38	20		
<b>Total Score</b>	118	100		



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<b>Clean Air</b>	12	12	6	
<b>Economic Vitality</b>	12	12	9	
<b>Base Score</b>	80	80	48	
<b>Equity Score</b>	38	20	22	
<b>Total Score</b>	118	100	N/A	

# Proposed Scoring Framework: Example

	Points Possible	Points Scaled	Points Scored	Final Score
<b>Safety</b>	20	20	14	14
<b>System Preservation</b>	17	17	12	12
<b>Capacity Management</b>	19	19	7	7
<b>Clean Air</b>	12	12	6	6
<b>Economic Vitality</b>	12	12	9	9
<b>Base Score</b>	80	80	48	48
<b>Equity Score</b>	38	20	22	
<b>Total Score</b>	118	100	N/A	

# Proposed Scoring Framework: Example

$$\frac{\text{Equity Points}}{\text{Possible Points}} \times \text{Equity Scale} = \text{Equity Score}$$

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$$\frac{\text{Equity Points}}{\text{Possible Points}} \times \text{Equity Scale} = \text{Equity Score}$$

$$\frac{22}{38} \times 20 = 11.6$$

# Proposed Scoring Framework: Example

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<b>Base Score</b>	80	80	48	48
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<b>Economic Vitality</b>	12	12	9	9
<b>Base Score</b>	80	80	48	48
<b>Equity Score</b>	38	20	22	11.6
<b>Total Score</b>	118	100	N/A	

# Proposed Scoring Framework: Example

	Points Possible	Points Scaled	Points Scored	Final Score
<b>Safety</b>	20	20	14	14
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<b>Economic Vitality</b>	12	12	9	9
<b>Base Score</b>	80	80	48	48
<b>Equity Score</b>	38	20	22	11.6
<b>Total Score</b>	118	100	N/A	59.6

# Proposed Scoring Framework: Evaluation

- **Benefits**
  - More legible system
  - Higher Equity weighting
  - Retains importance of Safety and System Preservation
  - More focused criteria



# Proposed Scoring Framework: Evaluation

- **Benefits**
  - More legible system
  - Higher Equity weighting
  - Retains importance of Safety and System Preservation
  - More focused criteria
- **Drawbacks**
  - Fewer gradations within criteria
  - Introduction of extra calculation

# Next Steps

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**Today:**

**Discuss scoring  
framework**

**August 20**



# Next Steps

**Today:**

**Discuss scoring  
framework**

**Next MPO Meeting:**

**Discuss initial test  
scores and public input**

**August 20**

**September 3**



# Next Steps

**Today:**

**Discuss scoring framework**

**Next MPO Meeting:**

**Discuss initial test scores and public input**

**Future MPO Meetings:**

**Discuss additional test scoring and finalize criteria**

**August 20**

**September 3**

**September 17 – October 1**

# Discussion

# Questions for Today

1. Do you support transitioning to a 100-point scoring system?
2. Do you support increasing the value of Transportation Equity to 20% of total score?
3. Do you support the idea of using different goal area weightings across different investment programs?