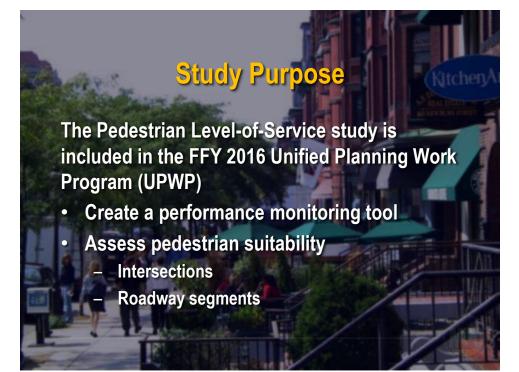


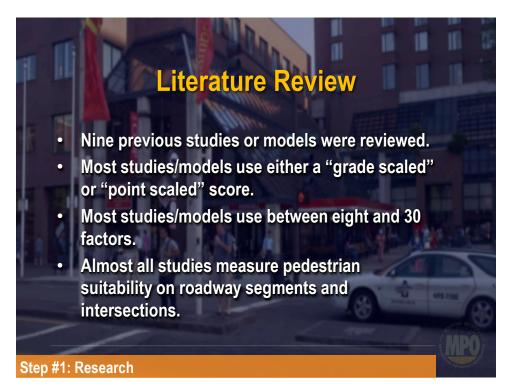
Pedestrian Level-of-Service

January 19, 2017

Ryan Hicks and Casey-Marie Claude

Boston Region Metropolitan Planning Organization









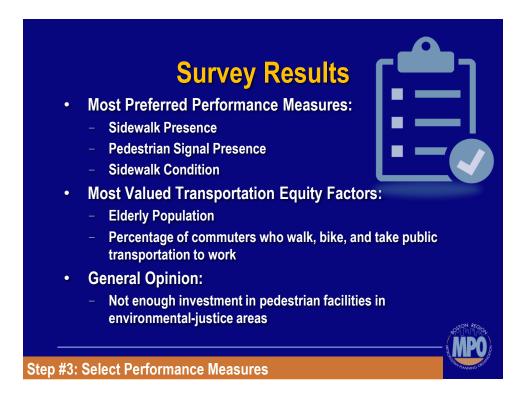


Selection Process

1. List of potential performance measures

- Usefulness and relevance of measure
- · Availability of data
- 2. Survey
 - Boston region transportation professionals
- 3. Test run results

Step #3: Select Performance Measures



Goals and Performance Measures

Capacity Management and Mobility	Economic Vitality	Safety	System Preservation		
Sidewalk Presence Roadway Segments and Intersections	Pedestrian Volumes Roadway Segments and Intersections	Pedestrian Crashes Roadway Segments and Intersections	Sidewalk Condition Roadway Segments and Intersections		
Crossing Opportunities Roadway Segments and Intersections	Adjacent Bicycle Accommodations Roadway Segments	Pedestrian-Vehicle Buffer Roadway Segments			
Walkway Width Roadway Segments		Vehicle Travel Speed Roadway Segments and Intersections			
Pedestrian Delay		Sufficient Crossing Time (Index) Intersections			
Curb Ramps Intersections		Pedestrian Signal Presence			
p #3: Select Performance Measures					

Roadway Segment Performance Measure Weights

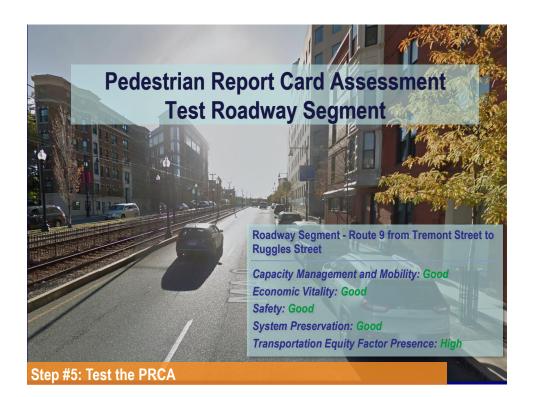
S

Boston Region MPO Goal	Performance Measure	Weight Factor		
Capacity Management and Mobility	Sidewalk Presence	3		
	Crossing Opportunities	2		
	Walkway Width	1		
Economia Vitality	Pedestrian Volumes	1		
Economic Vitality	Adjacent Bicycle Accommodations	1		
	Pedestrian Crashes	3		
Safety	Pedestrian-Vehicle Buffer	1		
	Vehicle Travel Speed	1		
System Preservation	Sidewalk Condition	1		
4: Performance Measure Weighting				

Intersection Performance Measure Weights

Category	Performance Measure	Weight Factor		
Capacity Management and Mobility	Pedestrian Delay	3		
	Sidewalk Presence	2		
	Curb Ramps	1		
	Crossing Opportunities	1		
Economic Vitality	Pedestrian Volumes	1		
Safety	Sufficient Crossing Time (Index)	3		
	Pedestrian Crashes	3		
Salety	Pedestrian Signal Presence	1		
	Vehicle Travel Speed	1		
System Preservation	Sidewalk Condition	1		
Deufermenen Menerum Weinktinn				
Performance Measure Weighting				







Step #6: Recommendations and Next Steps