



Pedestrian Report Card Assessment (PRCA): Signalized Intersection



Central Transportation Planning Staff (CTPS) to the Boston Region MPO:
www.ctps.org | 857.702.3700 | ctps@ctps.org

Ryan Hicks, Congestion Management Process Manager:
www.ctps.org/cmp | 857.702.3661 | rhicks@ctps.org

Casey Claude, Bicycle and Pedestrian Program Manager:
www.ctps.org/bicycle-pedestrian-activities | 857.702.3707 | cclaude@ctps.org

Intersection Location		

Grading Categories ^[1]	Score	Rating
Safety		
System Preservation		
Capacity Management and Mobility		
Economic Vitality		

Transportation Equity ^[2]	
High Priority Area	
Moderate Priority Area	
Low Priority Area	

[1] **Poor** = 0 to 1.7; **Fair** = 1.7 < 2.3; **Good** = 2.3 to 3.0

[2] **Low** = 0 or 1 Factor; **Moderate** = 2 or 3 Factors; **High** = 4 or 5 Factors

Grading Categories: Scoring Breakdown Signalized Intersection

Capacity Management and Mobility			
Performance Measure ^[1]	Percentage	Score (out of 3.0)	Rating
Pedestrian Delay	43%		
Sidewalk Presence	29%		
Curb Ramp Presence	14%		
Crosswalk Presence	14%		
GRADING CATEGORY TOTAL^[2] <small>(Pedestrian Delay Score * 0.43) + (Sidewalk Presence Score * 0.29) + (Curb Ramp Presence Score * 0.14) + (Crosswalk Presence Score * 0.14)</small>	100%		

Economic Vitality			
Performance Measure ^[1]	Percentage	Score (out of 3.0)	Rating
Pedestrian Volumes	100%		

[1] Poor = 1.0; Fair = 2.0; Good = 3.0

[2] Poor = 0 to 1.7; Fair = 1.7 < 2.3; Good = 2.3 to 3.0

[3] Use these factors to determine Transportation Equity priority level (front)

Safety			
Performance Measure ^[1]	Percentage	Score (out of 3.0)	Rating
Sufficient Crossing Time (Index)	38%		
Pedestrian Crashes	38%		
Pedestrian Signal Phase Type	13%		
Vehicle Travel Speed	13%		
GRADING CATEGORY TOTAL^[2] <small>(Sufficient Crossing Time [Index] Score * 0.38) + (Pedestrian Crashes Score * 0.38) + (Pedestrian Signal Phase Type Score * 0.13) + (Vehicle Travel Speed Score * 0.13)</small>	100%		

System Preservation			
Performance Measure ^[1]	Percentage	Score (out of 3.0)	Rating
Sidewalk Condition	100%		

Transportation Equity Priority ^[3]	
Area Condition	Yes/No
Low-Income Population ≥ 32.32%	
Minority Population ≥ 28.19%	
More than 6.69% of Population > 75 Years of Age	
More than 16.15% of Households w/o Vehicle	
Within ¼ Mile of School/College	