

## **APPENDIX A**

### **Pedestrian Report Card Assessment**

Adams Street at Furnace Brook Parkway in Quincy  
Route 27 at West Street in Medfield



**Central Transportation Planning Staff (CTPS) to the Boston Region MPO:**  
[www.ctps.org](http://www.ctps.org) | 857.702.3700 | [ctps@ctps.org](mailto:ctps@ctps.org)

**Ryan Hicks, Congestion Management Process Manager:**  
[www.ctps.org/cmp](http://www.ctps.org/cmp) | 857.702.3661 | [rhicks@ctps.org](mailto:rhicks@ctps.org)

**Casey Claude, Bicycle and Pedestrian Program Manager:**  
[www.ctps.org/bicycle-pedestrian-activities](http://www.ctps.org/bicycle-pedestrian-activities) | 857.702.3707 | [cclaude@ctps.org](mailto:cclaude@ctps.org)

# Pedestrian Report Card Assessment (PRCA): Signalized Intersection

Intersection Location		
Furnace Brook Parkway at Adams Street and Common Street, Quincy		

Grading Categories	Score	Rating
Safety	1.2	Poor
System Preservation	2.0	Fair
Capacity Management and Mobility	1.7	Poor
Economic Vitality	3.0	Good

Transportation Equity	
High Priority Area	
Moderate Priority Area	√
Low Priority Area	

**Category Ratings**

**Good:** Score 2.3 to 3.0  
**Fair:** 2.3 > Score > 1.7  
**Poor:** Score 1.7 to 0

**Transportation Equity Priority**

**High:** Four (4) or Five (5) Factors  
**Moderate:** Two (2) or Three (3) Factors  
**Low:** Zero (0) or One (1) Factor

# Grading Categories: Scoring Breakdown Signalized Intersection

Capacity Management and Mobility			
Performance Measure	Percentage	Score (out of 3.0)	Rating
Pedestrian Delay	43%	1.0	Poor
Sidewalk Presence	29%	2.0	Fair
Curb Ramp Presence	14%	2.0	Fair
Crosswalk Presence	14%	2.0	Fair
<b>Total</b> <small>(Pedestrian Delay Score * 0.43) + (Sidewalk Presence Score * 0.29) + (Curb Ramp Presence Score * 0.14) + (Crosswalk Presence Score * 0.14)</small>	<b>100%</b>	<b>1.7</b>	<b>Poor</b>

Economic Vitality			
Performance Measure	Percentage	Score (out of 3.0)	Rating
Pedestrian Volumes	100%	<b>3.0</b>	<b>Good</b>

### Meaning of Ratings

**Good:** 3.0

**Fair:** 2.0

**Poor:** 1.0

### Transportation Equity Priority

**High:** Four (4) or Five (5) Factors

**Moderate:** Two (2) or Three (3) Factors

**Low:** Zero (0) or One (1) Factor

Safety			
Performance Measure	Percentage	Score (out of 3.0)	Rating
Sufficient Crossing Time (Index)	38%	1.0	Poor
Pedestrian Crashes	38%	1.0	Poor
Pedestrian Signal Phase	13%	2.0	Fair
Vehicle Travel Speed	13%	1.0	Poor
<b>Total</b> <small>(Sufficient Crossing Time (Index) Score * 0.38) + (Pedestrian Crashes Score * 0.38) + (Pedestrian Signal Phase Score * 0.13) + (Vehicle Travel Speed Score * 0.13)</small>	<b>100%</b>	<b>1.2</b>	<b>Poor</b>

System Preservation			
Performance Measure	Percentage	Score (out of 3.0)	Rating
Sidewalk Condition	100%	<b>2.0</b>	<b>Fair</b>

Transportation Equity Priority	
Area Condition	Yes/No
Low Income Population => 32.32%	No
Minority Population => 28.19%	No
6.69%+ of Population > 75 Years of Age	Yes
16.15%+ of Households w/o Vehicle	No
Within ¼ Mile of School/College	Yes



**Central Transportation Planning Staff (CTPS) to the Boston Region MPO:**  
[www.ctps.org](http://www.ctps.org) | 857.702.3700 | [ctps@ctps.org](mailto:ctps@ctps.org)

**Ryan Hicks, Congestion Management Process Manager:**  
[www.ctps.org/cmp](http://www.ctps.org/cmp) | 857.702.3661 | [rhicks@ctps.org](mailto:rhicks@ctps.org)

**Casey Claude, Bicycle and Pedestrian Program Manager:**  
[www.ctps.org/bicycle-pedestrian-activities](http://www.ctps.org/bicycle-pedestrian-activities) | 857.702.3707 | [cclaude@ctps.org](mailto:cclaude@ctps.org)

# Pedestrian Report Card Assessment (PRCA): Signalized Intersection

Intersection Location		
Route 27 at West Street, Medfield		

Grading Categories	Score	Rating
Safety	1.3	Poor
System Preservation	0	Poor
Capacity Management and Mobility	0	Poor
Economic Vitality	1.0	Poor

Transportation Equity	
High Priority Area	
Moderate Priority Area	√
Low Priority Area	

**Category Ratings**

**Good:** Score 2.3 to 3.0  
**Fair:** 2.3 > Score > 1.7  
**Poor:** Score 1.7 to 0

**Transportation Equity Priority**

**High:** Four (4) or Five (5) Factors  
**Moderate:** Two (2) or Three (3) Factors  
**Low:** Zero (0) or One (1) Factor

# Grading Categories: Scoring Breakdown Signalized Intersection

Capacity Management and Mobility			
Performance Measure	Percentage	Score (out of 3.0)	Rating
Pedestrian Delay	43%	0	Poor
Sidewalk Presence	29%	0	Poor
Curb Ramp Presence	14%	0	Poor
Crosswalk Presence	14%	0	Poor
<b>Total</b> <small>(Pedestrian Delay Score * 0.43) + (Sidewalk Presence Score * 0.29) + (Curb Ramp Presence Score * 0.14) + (Crosswalk Presence Score * 0.14)</small>	<b>100%</b>	<b>0</b>	<b>Poor</b>

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

### Meaning of Ratings

**Good:** 3.0

**Fair:** 2.0

**Poor:** 1.0

### Transportation Equity Priority

**High:** Four (4) or Five (5) Factors

**Moderate:** Two (2) or Three (3) Factors

**Low:** Zero (0) or One (1) Factor

Safety			
Performance Measure	Percentage	Score (out of 3.0)	Rating
Sufficient Crossing Time (Index)	38%	3	Poor
Pedestrian Crashes	38%	0	Poor
Pedestrian Signal Phase	13%	0	Poor
Vehicle Travel Speed	13%	1	Poor
<b>Total</b> <small>(Sufficient Crossing Time (Index) Score * 0.38) + (Pedestrian Crashes Score * 0.38) + (Pedestrian Signal Presence Score * 0.13) + (Vehicle Travel Speed Score * 0.13)</small>	<b>100%</b>	<b>1.3</b>	<b>Poor</b>

System Preservation			
Performance Measure	Percentage	Score (out of 3.0)	Rating
Sidewalk Condition	100%	0	Poor

Transportation Equity Priority	
Area Condition	Yes/No
Low Income Population $\geq$ 32.32%	No
Minority Population $\geq$ 28.19%	No
6.69%+ of Population > 75 Years of Age	Yes
16.15%+ of Households w/o Vehicle	No
Within ¼ Mile of School/College	Yes