

APPENDIX A

Pedestrian Report Card Assessment

Route 53 in Norwell
Route 1 in Wrentham
Route 135 in Ashland



Central Transportation Planning Staff (CTPS) to the Boston Region MPO:
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Pedestrian Report Card Assessment (PRCA): Roadway Segment

Roadway Segment Location

Route 53 in Norwell

Grading Categories	Score	Rating
Safety	1.6	Poor
System Preservation	2.0	Fair
Capacity Management and Mobility	1.8	Fair
Economic Vitality	2.0	Fair

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 Roadway Segment

Capacity Management and Mobility			
Performance Measure	Percentage	Score (out of 3.0)	Rating
Sidewalk Presence	50%	2.0	Fair
Crosswalk Presence	33%	1.0	Poor
Walkway Width	17%	3.0	Good
TOTAL <small>(Sidewalk Presence Score * 0.5) + (Crosswalk Presence Score * 0.33) + (Walkway Width Score * 0.17)</small>	100%	1.8	Fair

Economic Vitality			
Performance Measure	Percentage	Score (out of 3.0)	Rating
Pedestrian Volumes	50%	3.0	Good
Adjacent Bicycle Accommodations	50%	1.0	Poor
TOTAL <small>(Pedestrian Volumes Score * 0.5) + (Adjacent Bicycle Accommodations Score * 0.5)</small>	100%	2.0	Fair

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
Pedestrian Crashes	60%	2.0	Fair
Pedestrian-Vehicle Buffer	20%	1.0	Poor
Vehicle Travel Speed	20%	1.0	Poor
TOTAL <small>(Pedestrian Crashes Score * 0.6) + (Pedestrian-Vehicle Buffer Score * 0.2) + (Vehicle Travel Speed Score * 0.2)</small>	100%	1.6	Poor

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

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



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Pedestrian Report Card Assessment (PRCA): Roadway Segment

Roadway Segment Location		
Route 1 in Wrentham		

Grading Categories	Score	Rating
Safety	2.2	Fair
System Preservation	1.0	Poor
Capacity Management and Mobility	1.0	Poor
Economic Vitality	1.5	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
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Grading Categories: Scoring Breakdown Roadway Segment

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Performance Measure	Percentage	Score (out of 3.0)	Rating
Sidewalk Presence	50%	1.0	Poor
Crosswalk Presence	33%	1.0	Poor
Walkway Width	17%	1.0	Poor
TOTAL <small>(Sidewalk Presence Score * 0.5) + (Crosswalk Presence Score * 0.33) + (Walkway Width Score * 0.17)</small>	100%	1.0	Poor

Economic Vitality			
Performance Measure	Percentage	Score (out of 3.0)	Rating
Pedestrian Volumes	50%	1.0	Poor
Adjacent Bicycle Accommodations	50%	2.0	Fair
TOTAL <small>(Pedestrian Volumes Score * 0.5) + (Adjacent Bicycle Accommodations Score * 0.5)</small>	100%	1.5	Poor

Meaning of Ratings

Good: 3.0
Fair: 2.0
Poor: 1.0

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Pedestrian-Vehicle Buffer	20%	1.0	Good
Vehicle Travel Speed	20%	1.0	Poor
TOTAL <small>(Pedestrian Crashes Score * 0.6) + (Pedestrian-Vehicle Buffer Score * 0.2) + (Vehicle Travel Speed Score * 0.2)</small>	100%	2.2	Fair

System Preservation			
Performance Measure	Percentage	Score (out of 3.0)	Rating
Sidewalk Condition	100%	1.0	Poor

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Area Condition	Yes/No
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Pedestrian Report Card Assessment (PRCA): Roadway Segment

Roadway Segment Location		
Route 135 in Ashland		

Grading Categories	Score	Rating
Safety	1.2	Poor
System Preservation	2.0	Fair
Capacity Management and Mobility	1.8	Fair
Economic Vitality	2.0	Fair

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High Priority Area	
Moderate Priority Area	√
Low Priority Area	

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Pedestrian Volumes	50%	3.0	Good
Adjacent Bicycle Accommodations	50%	1.0	Poor
TOTAL <small>(Pedestrian Volumes Score * 0.5) + (Adjacent Bicycle Accommodations Score * 0.5)</small>	100%	2.0	Fair

Meaning of Ratings

Good: 3.0
Fair: 2.0
Poor: 1.0

Transportation Equity Priority

High: Four (4) or Five (5) Factors
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Sidewalk Condition	100%	2.0	Fair

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