Outline

- Project Overview
- Objectives & Goals
- Proposed Corridor
  - Existing Conditions
  - Selected Design
- Questions
Project Objectives

- Connection between Existing Paths
- Safety, Separation & Comfort
- Appealing Bikeway for All Users
  - Recreational Cyclists
  - Commuters
Southampton Street (Western Section)

- Existing Constraints
  - Industrial Area
  - Heavy Vehicles
  - Loading Truck Block Lanes
Southampton Street (Western Section)

Critical Volume Analysis (Westbound)

Existing Capacity: 3600
Proposed Capacity: 1800
Actual Volume (AM): 948
Actual Volume (PM): 525

Vehicles per Hour

Civil & Environmental Engineering

Northeastern
Southampton Street (Western Section)

Proposed Design

One-Way

Two-Way

Civil & Environmental Engineering
Southampton Street (Eastern Section)

Existing Constraints
- High Traffic Volumes
- Extended Queues
Southampton Street (Eastern Section)

Proposed Design
Preble Street

- Existing Opportunities
  - Expansive Right-of-Way
  - Residential
  - Low Traffic Volumes
Preble Street

Existing

Civil & Environmental Engineering
Preble Street Rotary

- Existing Constraints
  - Expansive Pavement
  - “Straight Shots”
  - Difficult Crossings
Old Colony Avenue

- Existing Opportunities
  - Expansive Pavement
  - Underutilized Lanes
  - Residential
  - Recreational
Old Colony Avenue

Critical Volume Analysis (Southbound)

- Existing Capacity: 5400
- Proposed Capacity: 3600
- Actual Volume (PM): 1290
- Actual Volume (AM): 1110

Vehicles per Hour

0 1000 2000 3000 4000 5000 6000

Civil & Environmental Engineering
Old Colony Avenue

Existing

Proposed Design

Civil & Environmental Engineering
Morrissey Blvd. (Northern Section)

- Existing Constraints
  - Inadequate Bike Lane
  - Underutilized Southbound Lanes
Morrissey Blvd. (Northern Section)

Critical Volume Analysis (Southbound near Shaw’s)

<table>
<thead>
<tr>
<th>Time of Day</th>
<th>Existing Capacity</th>
<th>Proposed Capacity</th>
<th>Actual Volume (AM)</th>
<th>Actual Volume (PM)</th>
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<tr>
<td>Morning</td>
<td>3600</td>
<td>1800</td>
<td>854</td>
<td>575</td>
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<td>Evening</td>
<td></td>
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Morrissey Blvd. (Northern Section)

Proposed Design

Existing
Morrissey Blvd. (Southern Section)

- Existing Constraints
  - No Bicycle Facilities
  - Deteriorating Pedestrian Facilities
  - Traffic Centered Roadway
Morrissey Blvd. (Southern Section)

Critical Volume Analysis (Southbound)

Existing Capacity: 7200
Proposed Capacity: 9000
Actual Volume (AM): 1324
Actual Volume (PM): 2266

Vehicles per Hour

Civil & Environmental Engineering
Existing Constraints

- Underutilized Lanes
- Expansive Pavement
- Confusing Southbound Configuration
Conclusions

- Feasible
- Safe
- Separated
- Appealing to All Users