WELCOME TO THE 2009 SENIOR TRANSPORTATION CAPSTONE DESIGN PRESENTATIONS
BOYLSTON ST. AND PUBLIC GARDEN CYCLE TRACK

Boylston Boneshakers
James Barnack           Sean Carr           Tom Leduc           Dan Liepins
OBJECTIVES

► Overview
► Why a cycle track?
► Boylston Street
► Intersection at Dartmouth Street
► Intersection at Fenway
► Intersection at Massachusetts Ave
► Public Garden
► Conclusion
OVERVIEW
WHY A CYCLE TRACK?

Best of Both Worlds

Bicycle Lane  Bicycle Path
WHY A CYCLE TRACK?

Best of Both Worlds

Bicycle Lane

Bicycle Path
WHY A CYCLE TRACK?

Best of Both Worlds

Bicycle Lane

Bicycle Path
WHY A CYCLE TRACK?

Best of Both Worlds

Bicycle Lane

Bicycle Path
WHY A CYCLE TRACK?

- Separated
- No vehicular access
- Direct
BOYLSTON STREET

- Baseline for Design
- One-Way
- Commercial Street
- Width Restrictions
### BOYLSTON STREET

**Critical Section**

<table>
<thead>
<tr>
<th>8’</th>
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<tbody>
<tr>
<td>11’</td>
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<tr>
<td>11’</td>
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<td>12’</td>
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<td>8’</td>
<td>P</td>
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Existing

![Street View](image_url)
### Critical Section

<table>
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<tr>
<th>Distance (ft)</th>
<th>Description</th>
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<tbody>
<tr>
<td>8'</td>
<td>METERED/COMMERCIAL</td>
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<tr>
<td>10'</td>
<td></td>
</tr>
<tr>
<td>10'</td>
<td></td>
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<tr>
<td>11'</td>
<td></td>
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<tr>
<td>50'+</td>
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#### Proposed

- 10 ft
- P

[Diagram showing proposed changes to Boylston Street with additional lanes and parking zones.]
BOYLSTON ST. AT DARTMOUTH ST.

- Proposed Concrete Median
- Proposed Cycle Signal Poles

Boylston St.

8 Stand
BOYLSTON ST. AT DARTMOUTH ST.

PROPOSED CONCRETE MEDIAN

PROPOSED CYCLE SIGNAL POLES

COLEY STATION

Boylnston Street

B STAND

APARTMENT/RETAIL BUILDING

PROPOSED CONCRETE MEDIAN
BOYLSTON ST. AT DARTMOUTH ST.

- PROPOSED CONCRETE MEDIAN
- PROPOSED CYCLE SIGNAL POLES

BUILDINGS
COPLEY STATION
Boylston Street

APARTMENT/RETAIL BUILDINGS
Dartmouth Street
BOYLSTON ST. AT DARTMOUTH ST.

- Proposed Concrete Median
- Proposed Cycle Signal Poles
- Copley Station
- Boylston Street

BUILDINGS

APARTMENT/RETAIL BUILDING

Dartmouth Street

Parking Spaces
### Boylston Street at Dartmouth Street

#### Existing Signal Timing

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#### Proposed Signal Timing

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<th>LOS</th>
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<td>30</td>
<td>C</td>
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</table>
BOYLSTON ST. AT FENWAY

Existing Conditions
BOYLSTON ST. AT FENWAY

Existing Bicycle Paths

BACK BAY FENS

THE FENWAY
BOYLSTON ST. AT MASS. AVE

Existing Conditions

- High pedestrian conflicts
- Non-compliance
- MBTA B,C,D Lines
  - Hynes Convention Center

I-90
MBTA
BOYLSTON ST.
MASS. AVE.
FENWAY
BOYLSTON ST. AT MASS. AVE

Conceptual Design

PROPOSED INTERSECTION DESIGN MASSACHUSETTS AVE. AT BOYLSTON ST.
ADD PROPOSED CYCLE SIGNAL TO EXISTING PED SIGNAL POLE
RELOCATE EXISTING MEDIAN

MASSACHUSETTS TURNPIKE

BOYLSTON STREET

APARTMENT/RETAIL BUILDINGS

CAMBRIA STREET

0 68 42 110

20 48 32 10

PED

68 42
THE PUBLIC GARDEN
THE PUBLIC GARDEN

- Symbol of Boston
- No Bikes Allowed
THE PUBLIC GARDEN

Existing Conditions

Beacon Street

Charles Street

Arlington Street
THE PUBLIC GARDEN

Existing Conditions

Beacon Street

Charles Street

Cyclist in Traffic

Arlington Street
THE PUBLIC GARDEN

Existing Conditions
THE PUBLIC GARDEN

Proposed Design
THE PUBLIC GARDEN

Proposed Design
THE PUBLIC GARDEN
CONCLUSION

► Demonstrate Feasibility
  ▪ Separated Cycle Track
  ▪ Lane Removals

► Promotion
  ▪ Bicycle Transportation
  ▪ Safety
THE END

Questions?