

# Western Avenue Reconstruction Advisory Committee meeting #3



CITY OF CAMBRIDGE  
COMMUNITY DEVELOPMENT DEPARTMENT

Environmental &  
Transportation Planning

# Welcome

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Environmental & Transportation Planning  
Community Development Department

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## Agenda

- Debrief 3/31 community meeting & community walks
- Presentation: parking study; crash data; review key points on existing conditions
- Street Design 101
- *Committee input session*
- Public comment period
- Wrap-up, next steps

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## Existing Conditions (continued)

- Parking study
- Crash information

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## Vehicle (18 crashes per year)



Vehicle Crash Data  
MassDOT Crash Database, 2009-2017

	Western @ Main Drive	Western @ Putnam Ave	Western @ Howard Street	Western @ Main Ave
Average crashes per year	8.7	2	2	2
Property damage only	58%	75%	50%	83%
Personal injury	42%	25%	50%	17%
Fatality	-	-	-	-
Cross movement or angle	15%	50%	33%	33%
Rear end collision	50%	15%	50%	-
Side-swipe	15%	-	-	50%
Head-on	4%	-	-	-
Fixed object	-	7%	-	17%
Other	12%	15%	-	-

## Bicycle (1.6 crashes per year)



Bicycle Crash Data  
City of Cambridge, 2008-2009

Month	Mar. 08	Apr. 08	May 08	Jun. 08	Jul. 08	Aug. 08	Sep. 08	Oct. 08	Nov. 08	Dec. 08
Time	8:15 AM	5:30 PM	1:05 PM	5:30 PM	7:00 PM	4:30 PM	2:05 PM	11:18 PM	-	-
Description	Bicyclist collided with stopped car	Driver opened door into bicyclist	Bicyclist avoided pothole, was hit by car	Western hit bicyclist	N/A	Driver turning onto Western hit bicyclist	Driver turning onto Western hit bicyclist	Driver turning onto Western hit bicyclist	-	-

## Existing Conditions Summary

- Roadway and sidewalk in poor condition
- Pedestrian safety a main concern
- Significant transit hub at Central Square
- Lots of peds, >500 during peak hour
- 1 cyclist per minute during peak hour
- Afternoon peak worst time for traffic, travel time 6 to 8 minutes (3 min usually)
- Parking: upper and lower have high resident parking demand but not exceeding supply; metered parking is inadequate

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## Street Design 101

1. Experience objectives
2. Design goals
3. What's in our toolbox

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## Experience objectives

- Safe
- Efficient
- Pleasant

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## Design goals

- Safe
- Efficient
- Pleasant

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## Mobility on Western Avenue



Transit riders



People on foot



Bicyclists

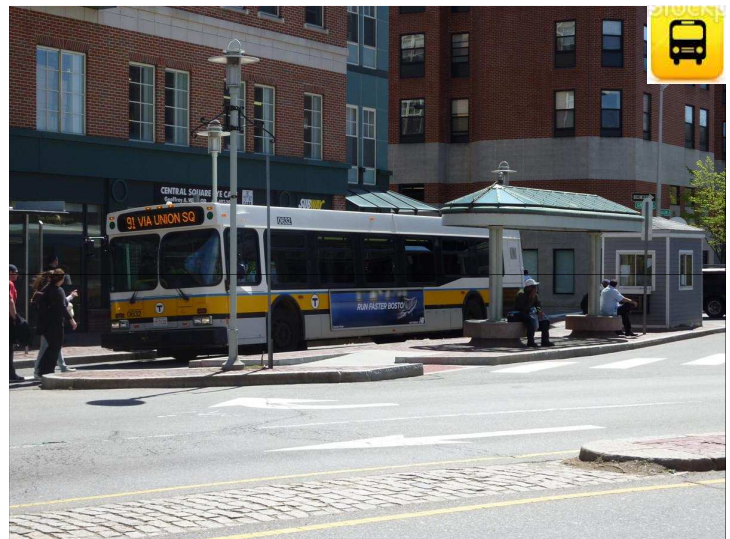


Drivers

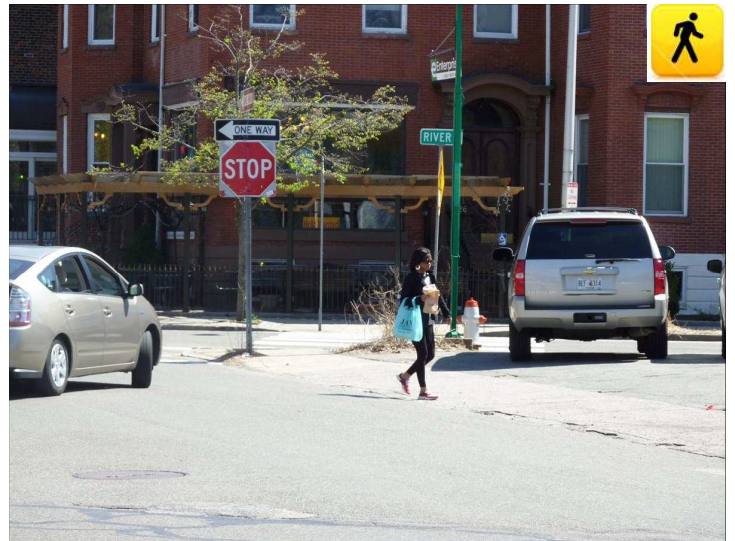
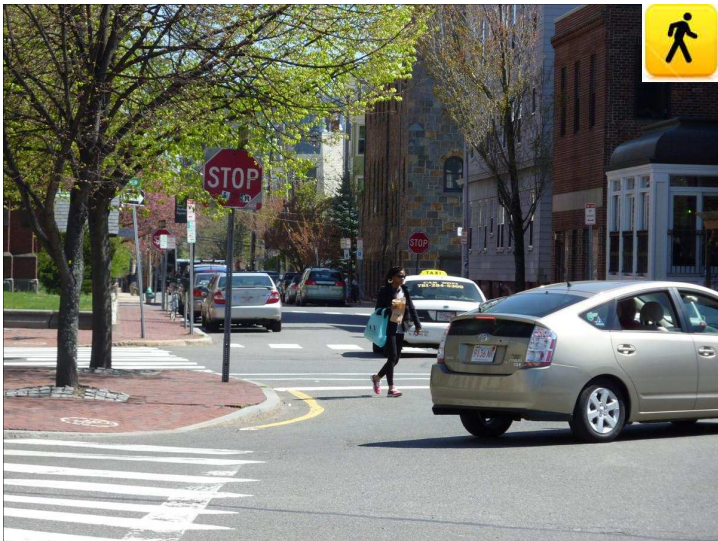
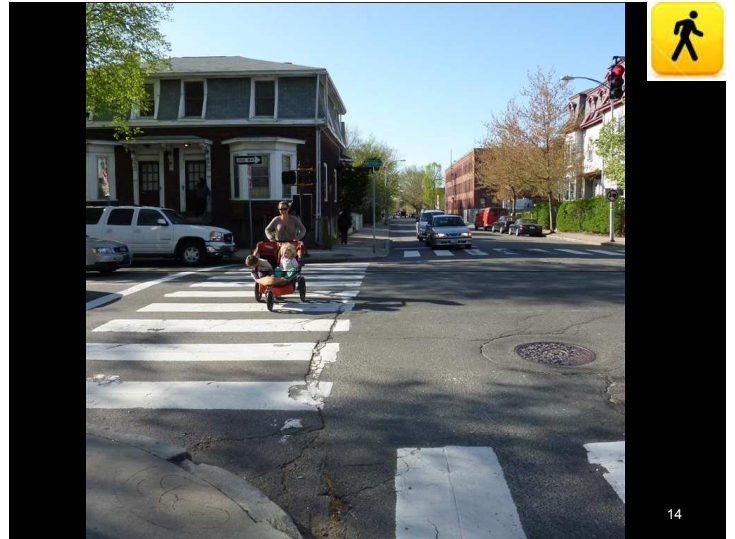
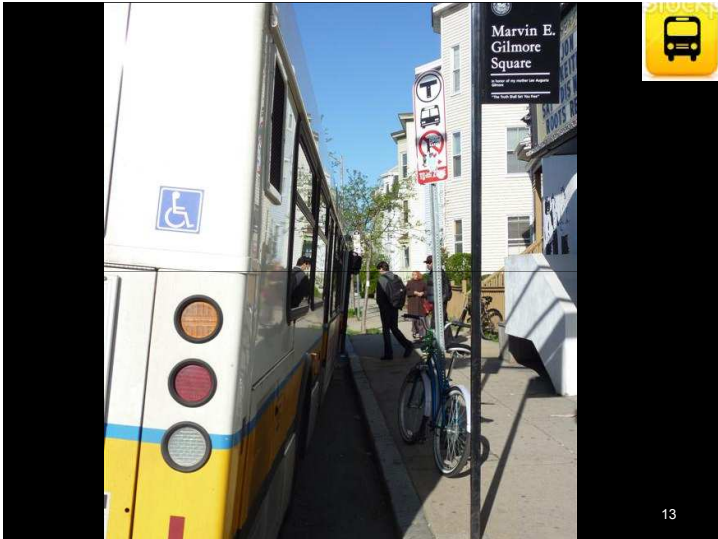


Truckers

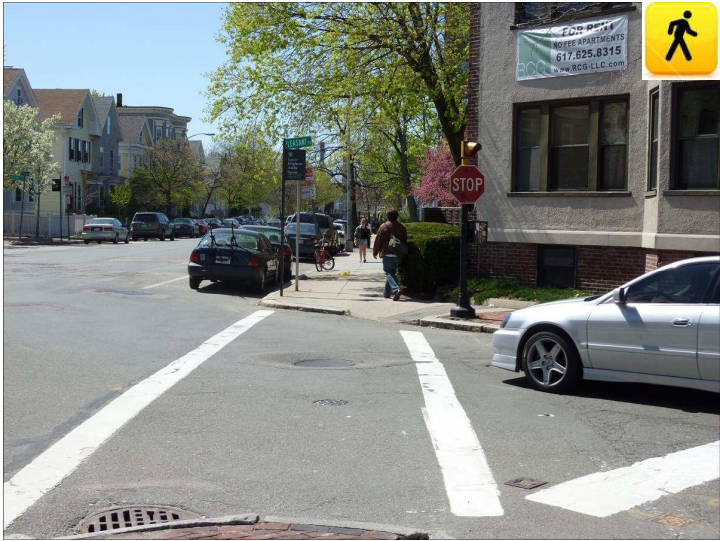
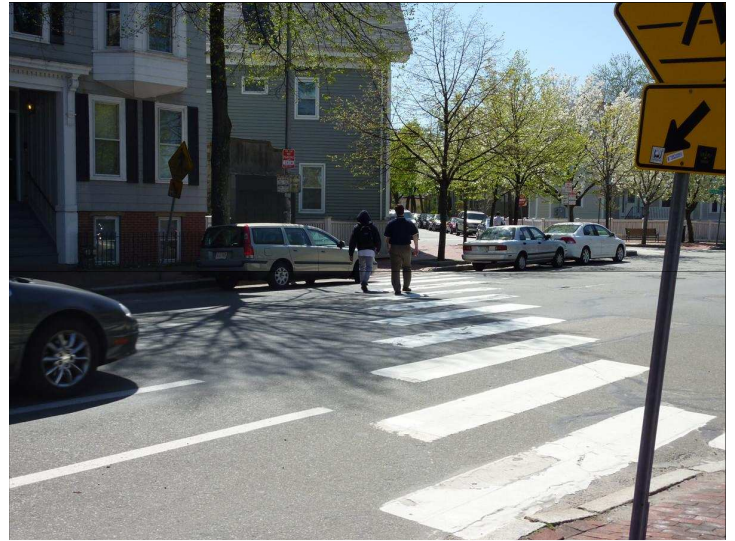
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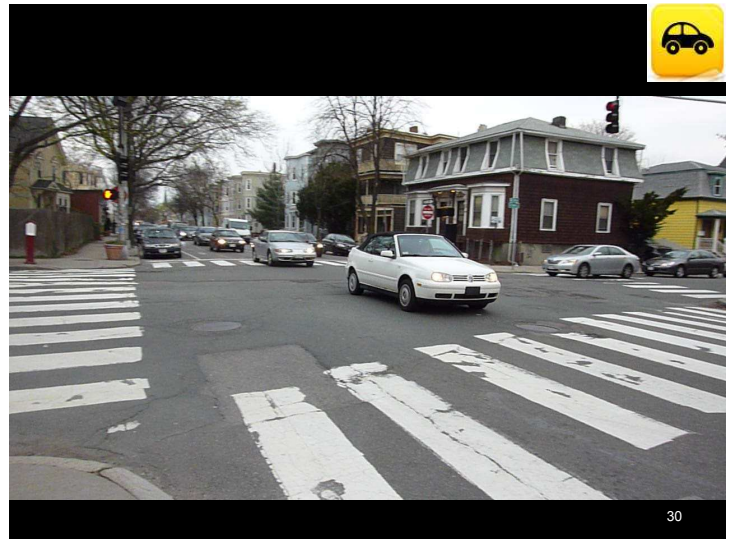
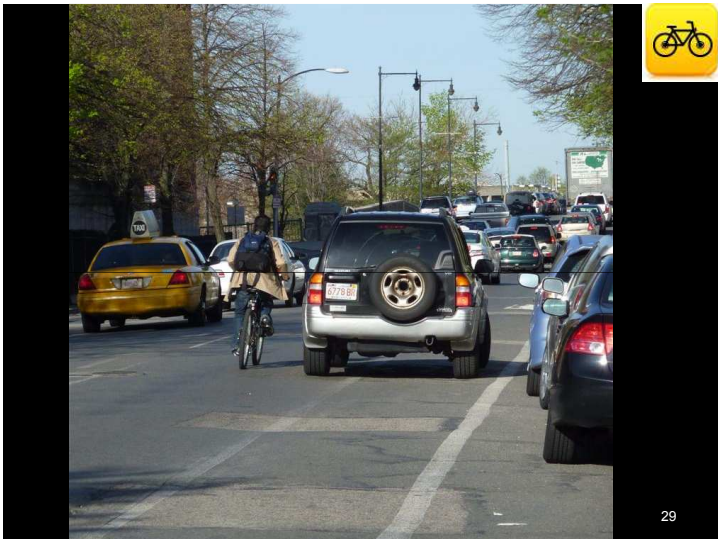
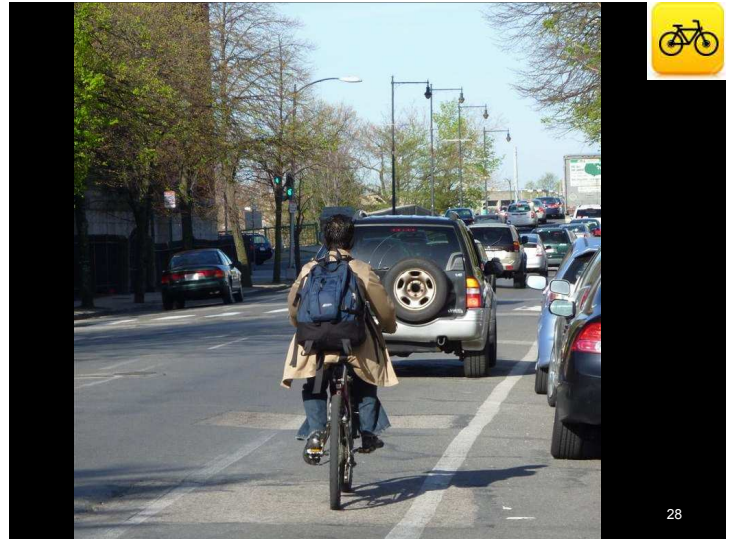
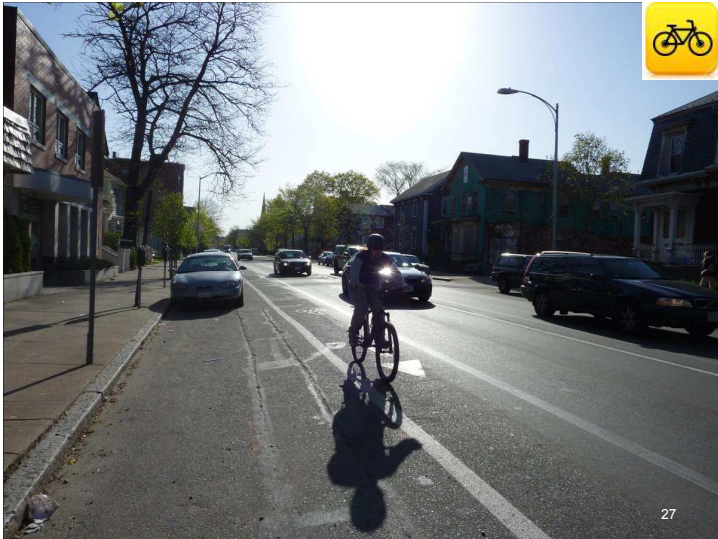
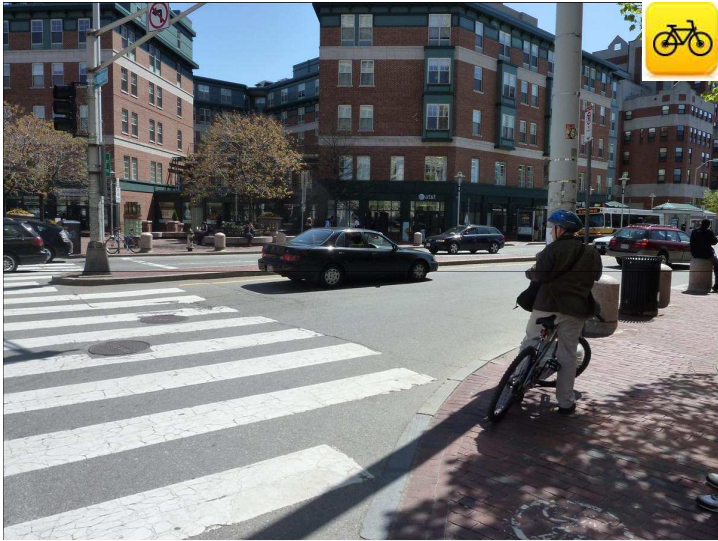




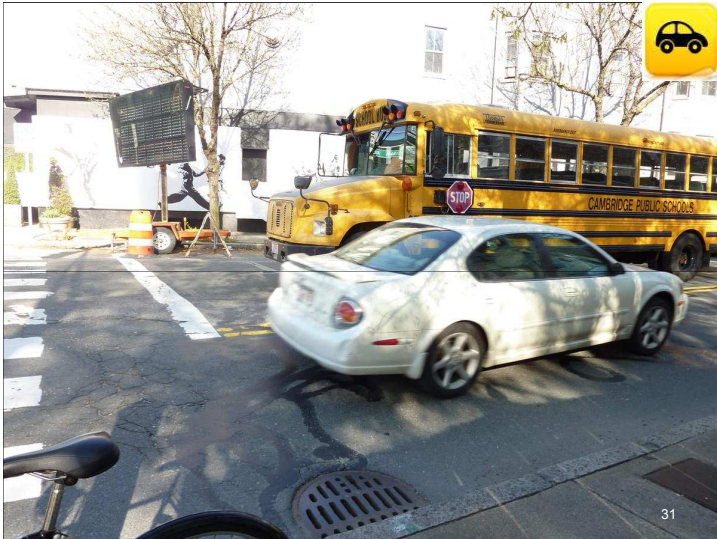




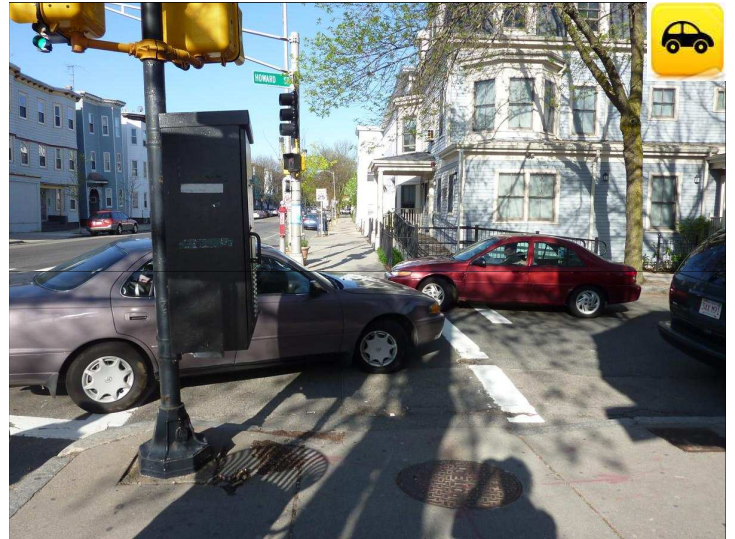








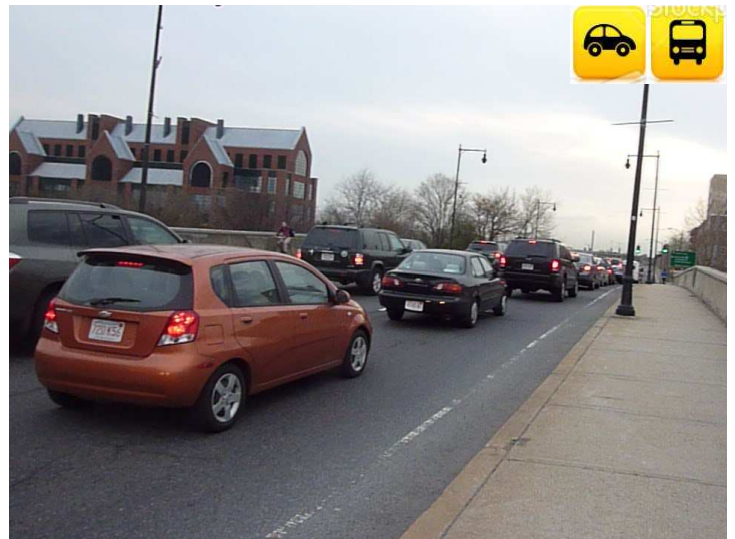
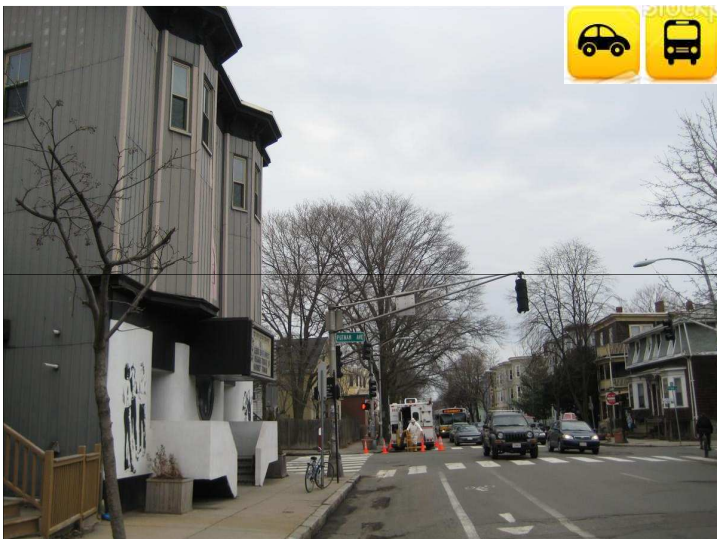
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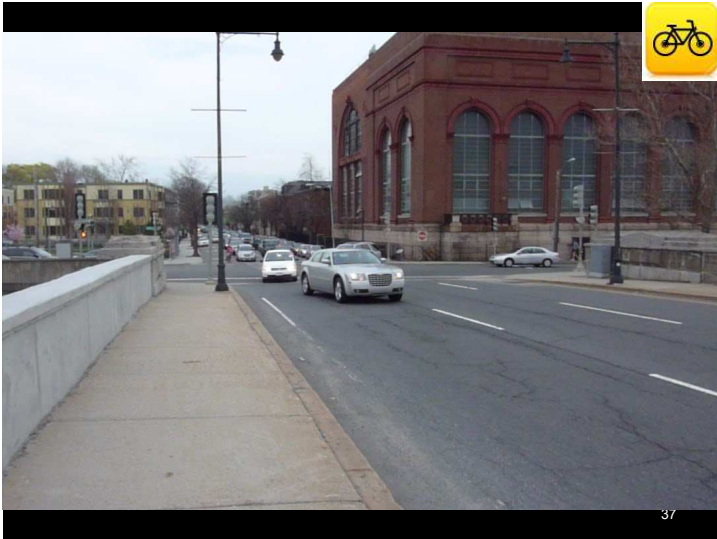
## Design goals

- Safe
- Efficient
- Pleasant

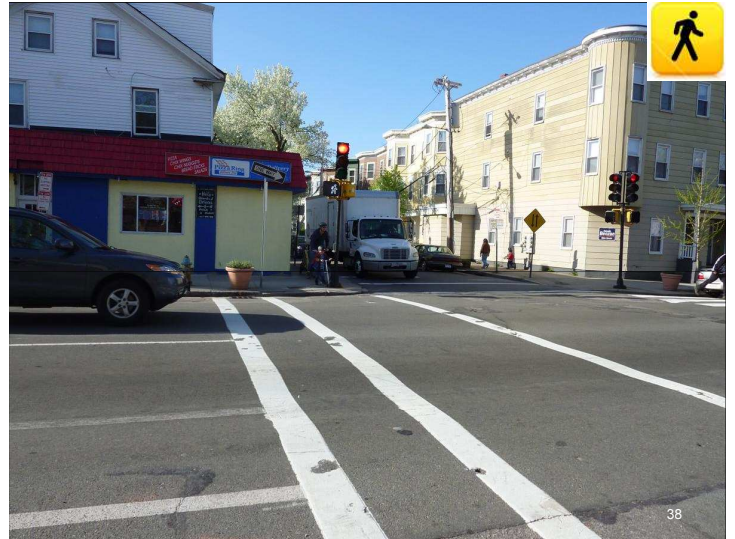
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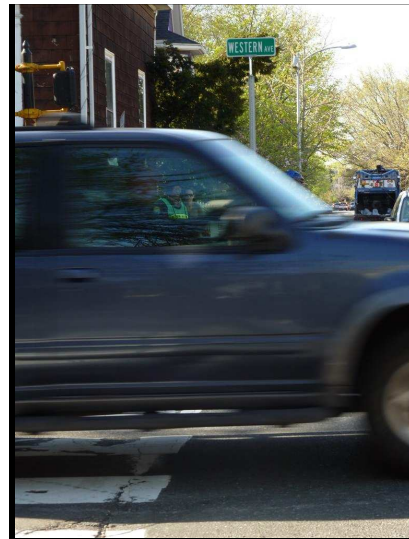


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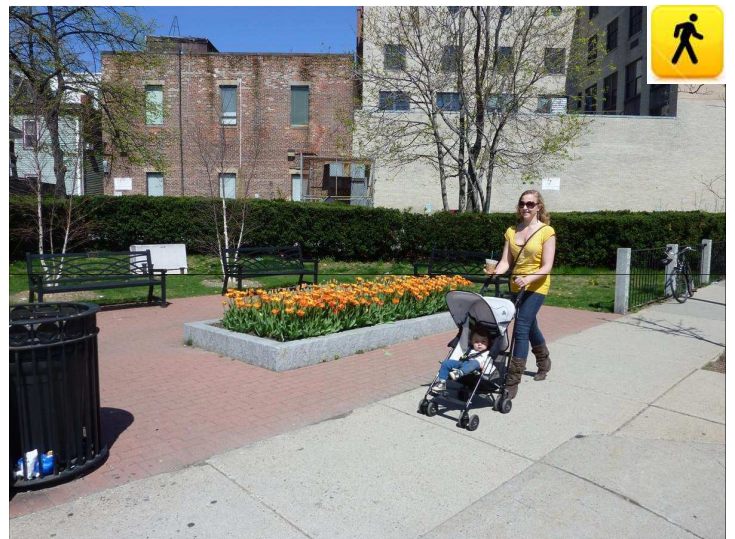
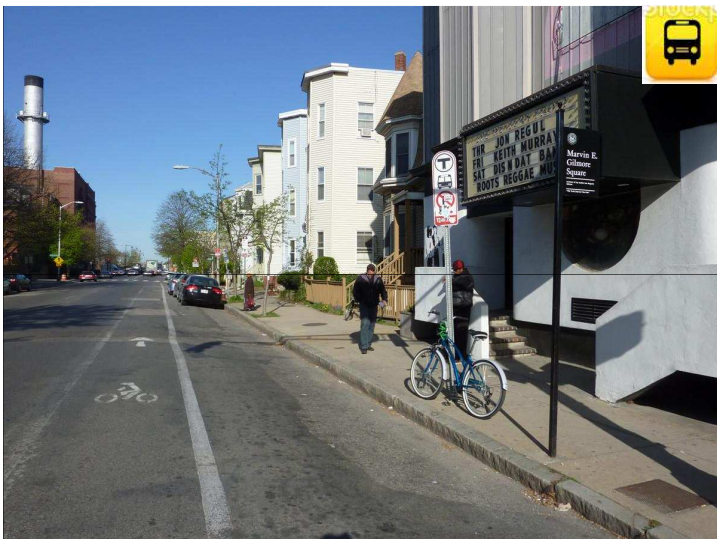
## Design goals

- Safe
- Efficient
- Pleasant

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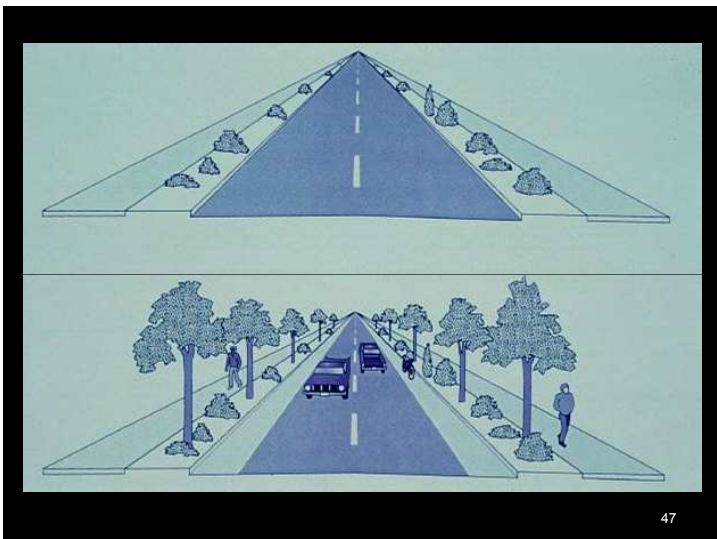


## Focus for today

- Focus on Advisory Committee goals with major effects on conceptual design
  - Appropriate vehicle speed
  - Improve pedestrian safety when crossing
  - Improve bicycle accommodation
  - Improve transit experience
  - Address parking needs
  - Reduce impact on water quality

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## The toolbox

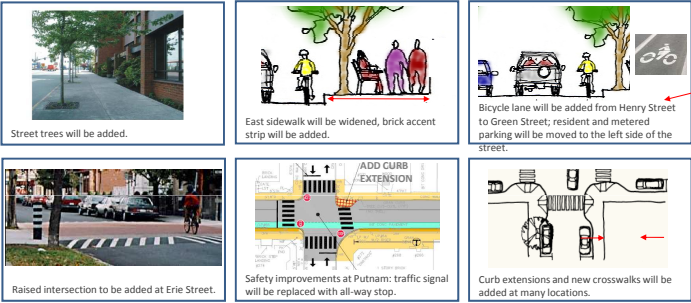


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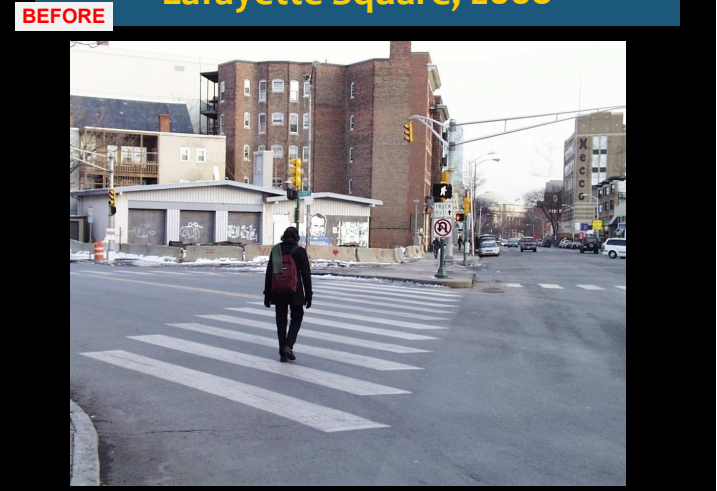
# Brookline Street Reconstruction Project Final Plan Highlights



## Mass. Ave. 1996



## Lafayette Square, 2008



## Lafayette Square, 2008



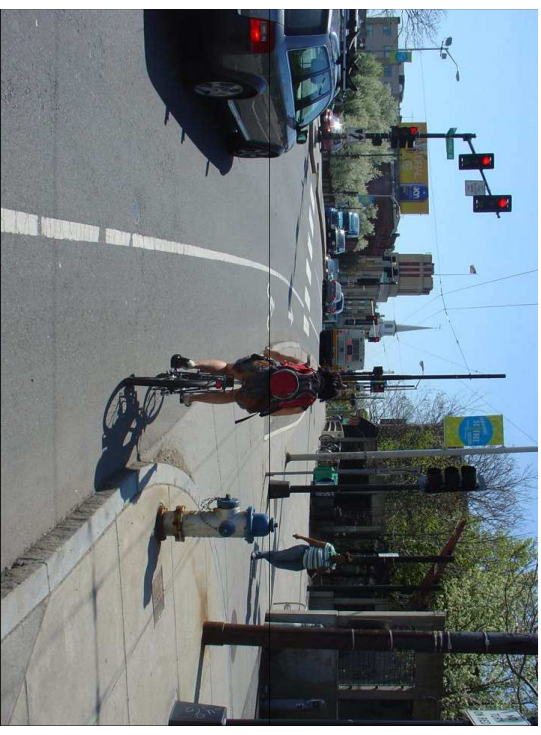




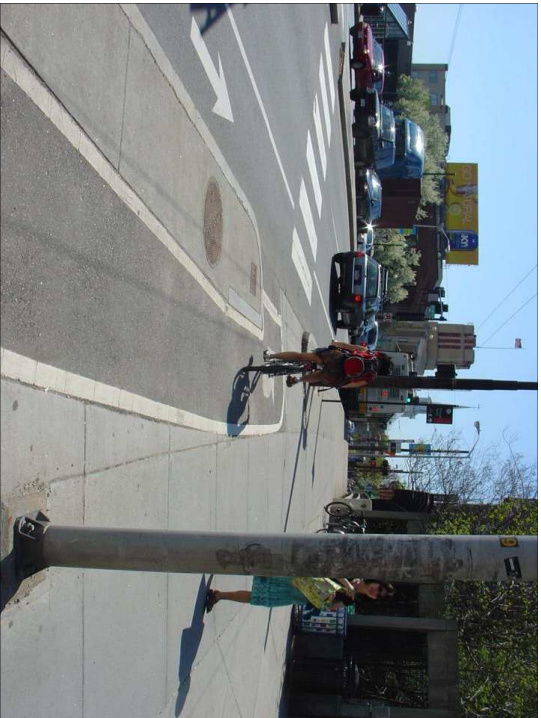
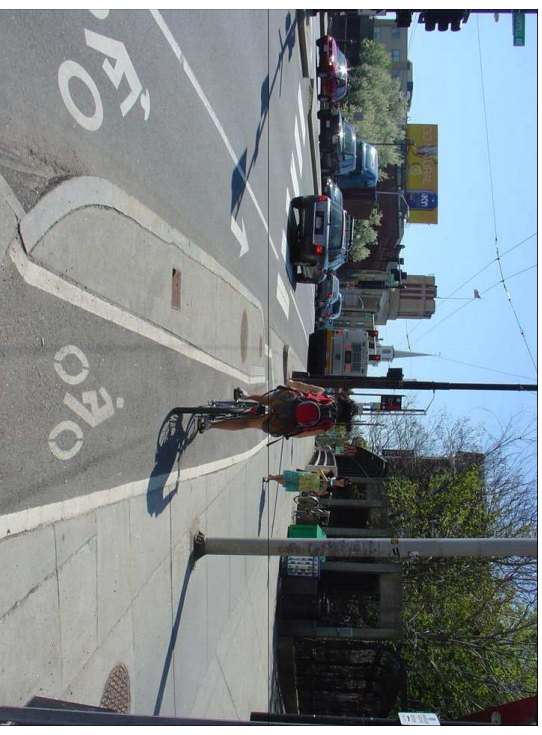
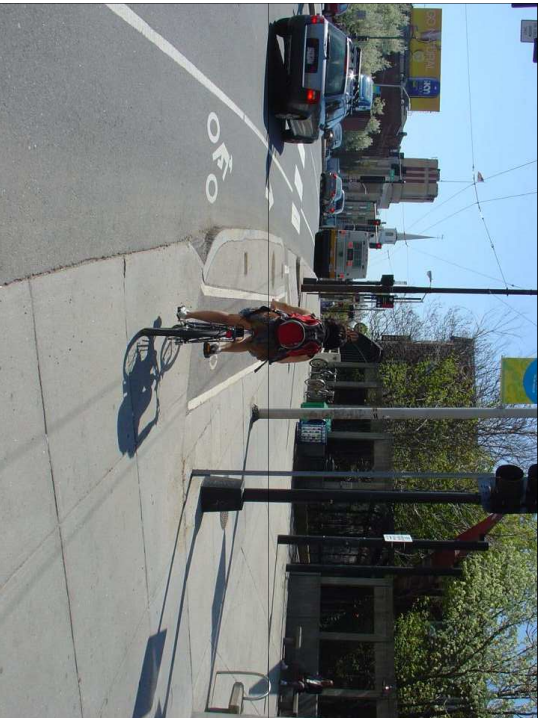




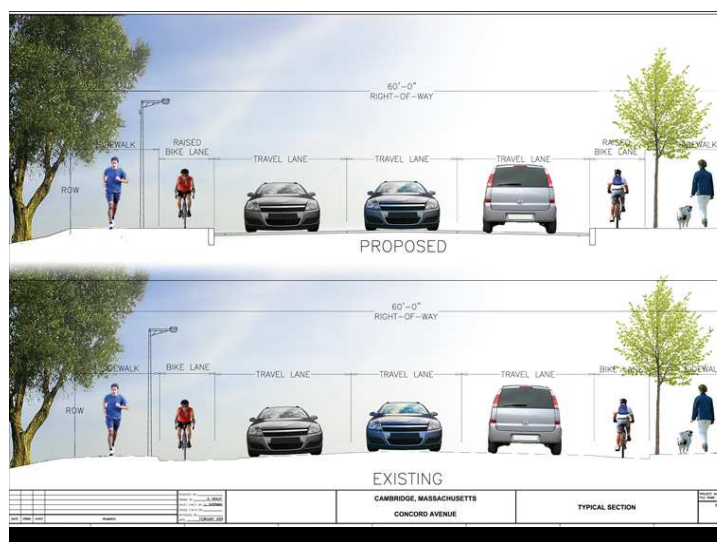
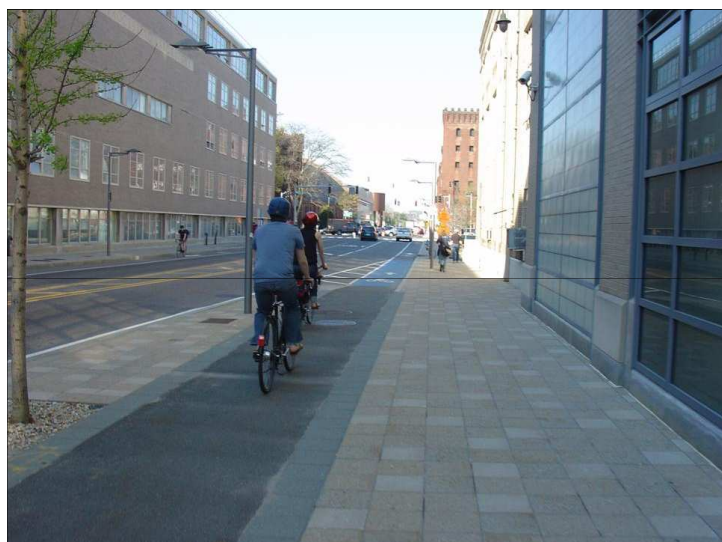












## Water quality

- Reduce paved surface
- Permeable surface
- Rain gardens

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## Working Session

Feedback session

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## Next meetings

Advisory Committee Meetings:

- Meeting #4: Tuesday April 27 (6-8 pm)
- Meeting #5:
- Meeting #6:

(All meetings at the Citywide Senior Center)

Neighborhood walk:

- Monday April 26 @ 6pm (Meet @ Andala)

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# Adjourn

Website: <http://westernavenue.info>