

Massachusetts Avenue/ Pleasant Street/ Mystic Street: Improving Mobility

Community Meeting

January 10, 2012

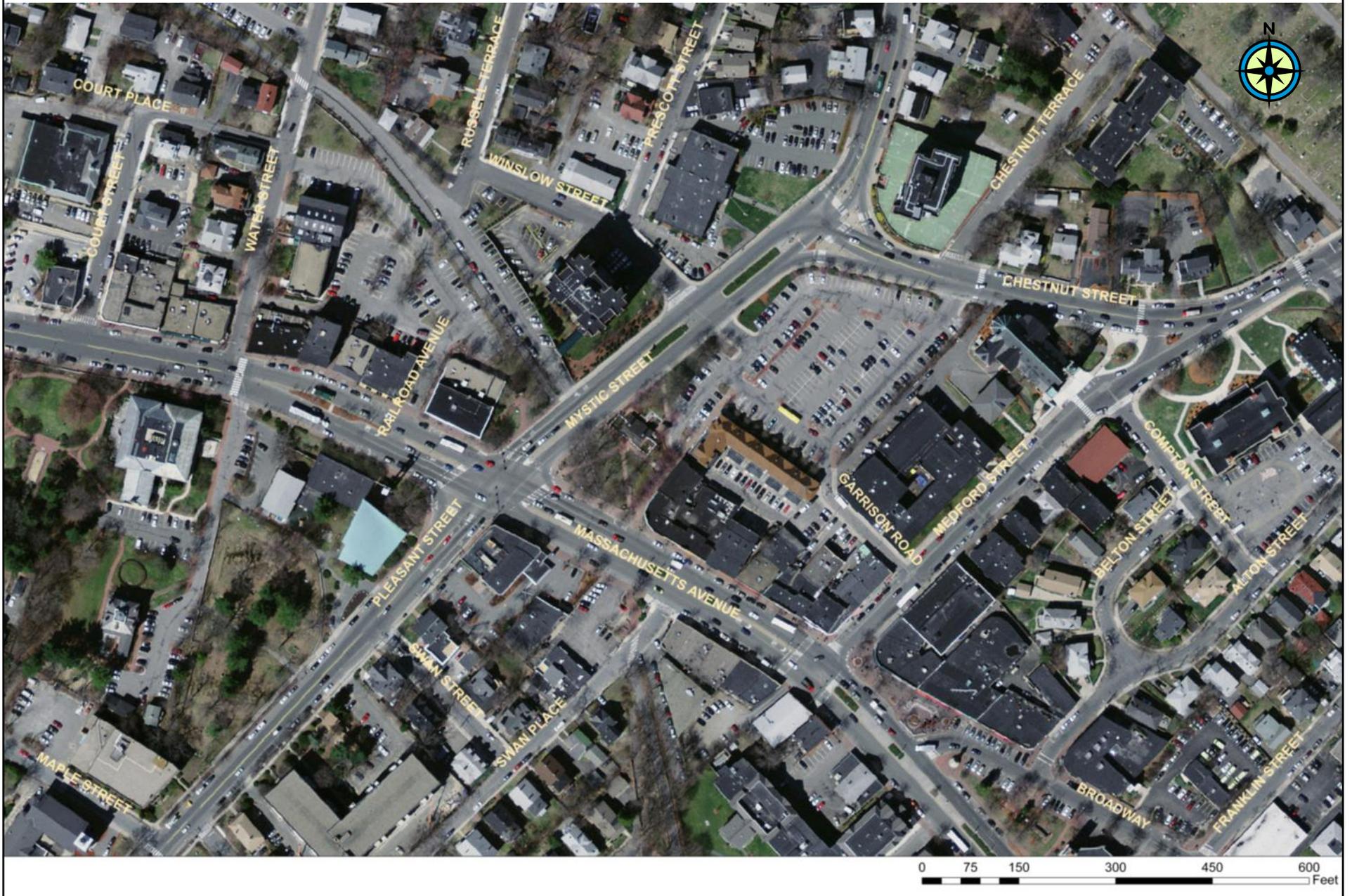


Howard/Stein-Hudson Associates, Inc.

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Project Area





Goals and Objectives

- Improve pedestrian safety
- Improve bicycle safety and mobility
- Improve automobile mobility

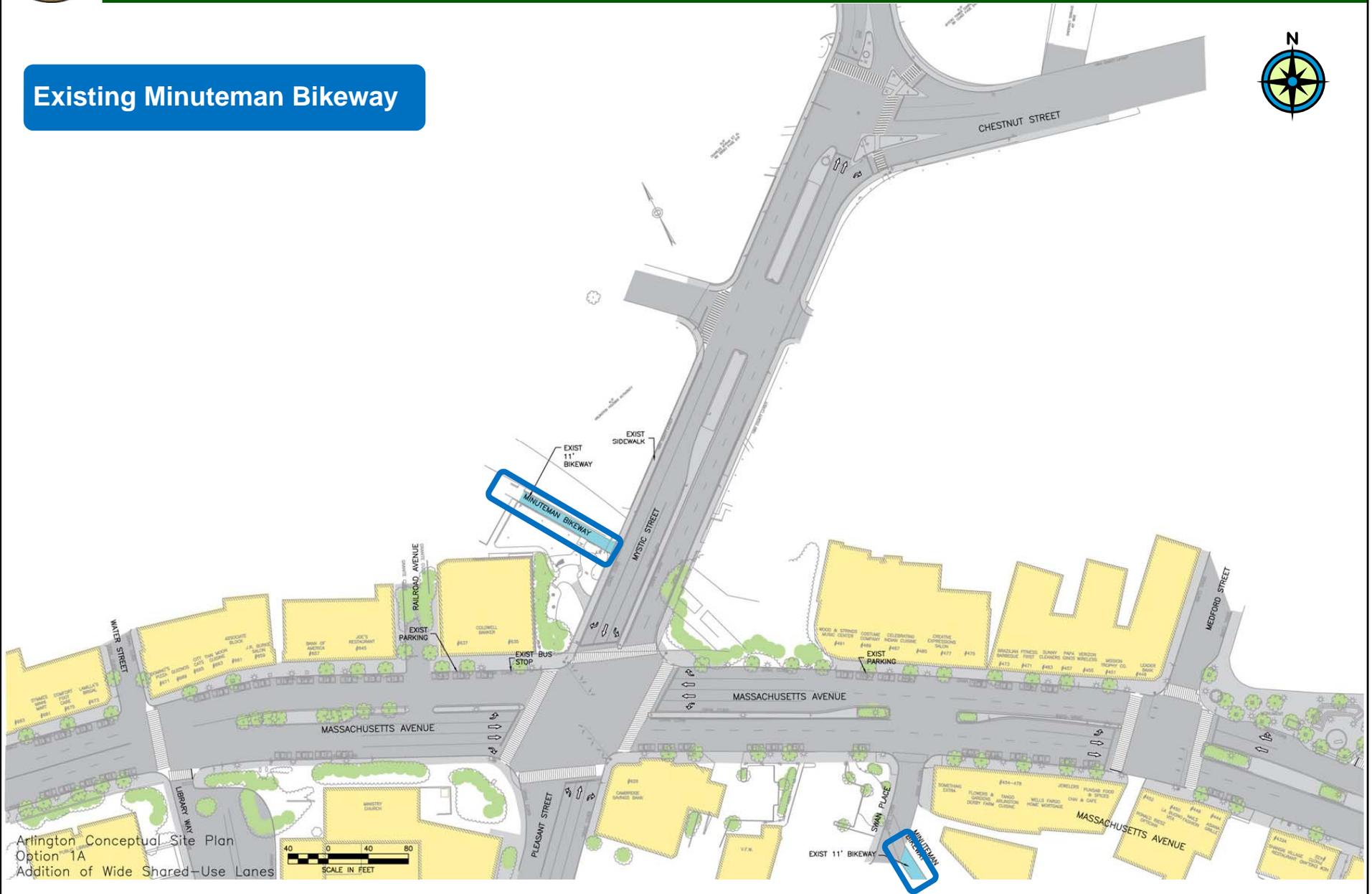


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Existing Conditions

Existing Minuteman Bikeway



Arlington Conceptual Site Plan
 Option 1A
 Addition of Wide Shared-Use Lanes



Common Concepts in All Options

2-way path extension along Uncle Sam Park

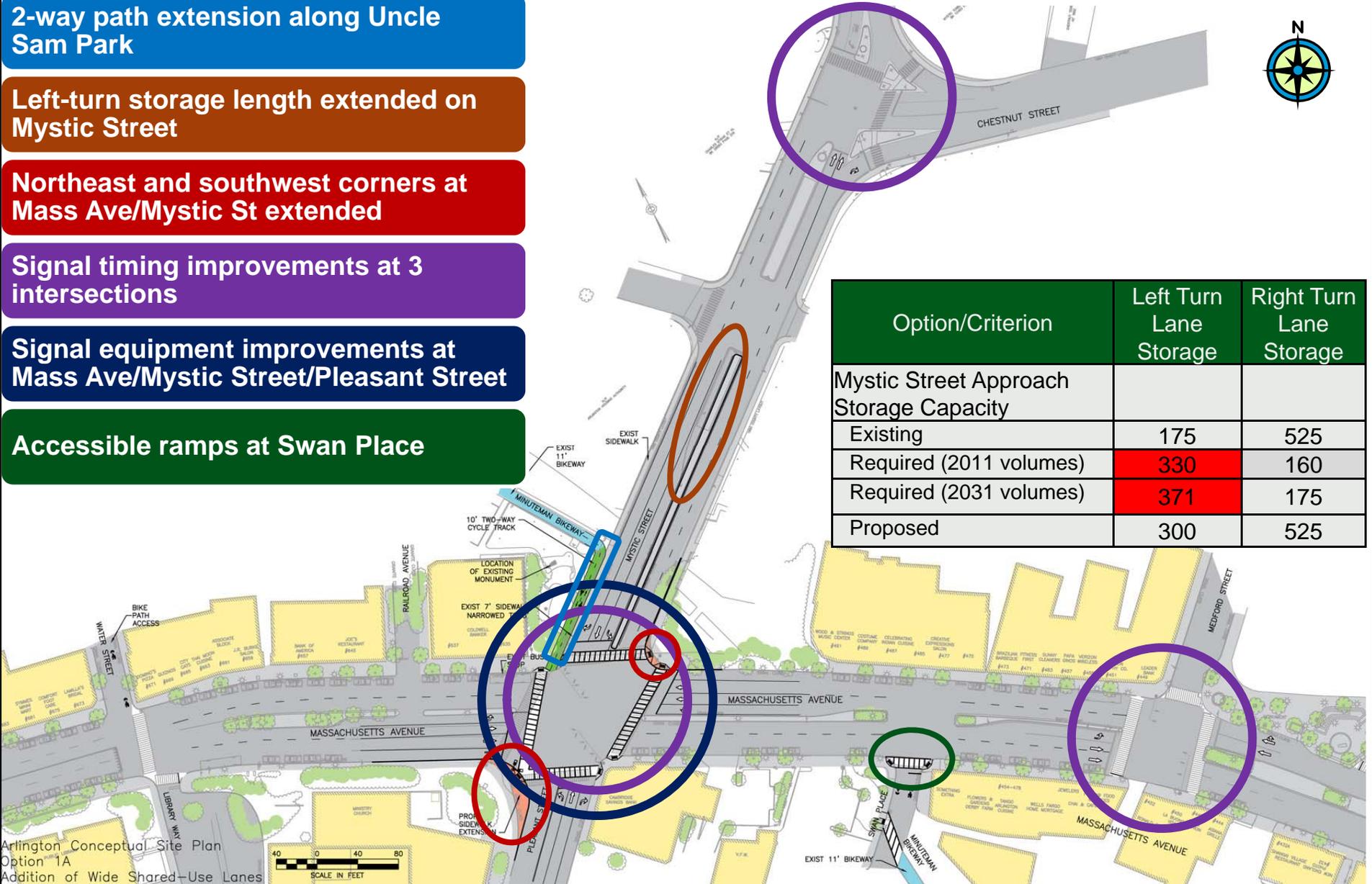
Left-turn storage length extended on Mystic Street

Northeast and southwest corners at Mass Ave/Mystic St extended

Signal timing improvements at 3 intersections

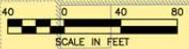
Signal equipment improvements at Mass Ave/Mystic Street/Pleasant Street

Accessible ramps at Swan Place



Option/Criterion	Left Turn Lane Storage	Right Turn Lane Storage
Mystic Street Approach Storage Capacity		
Existing	175	525
Required (2011 volumes)	330	160
Required (2031 volumes)	371	175
Proposed	300	525

Arlington Conceptual Site Plan
 Option 1A
 Addition of Wide Shared-Use Lanes





View of Minuteman Extension at Mystic Street



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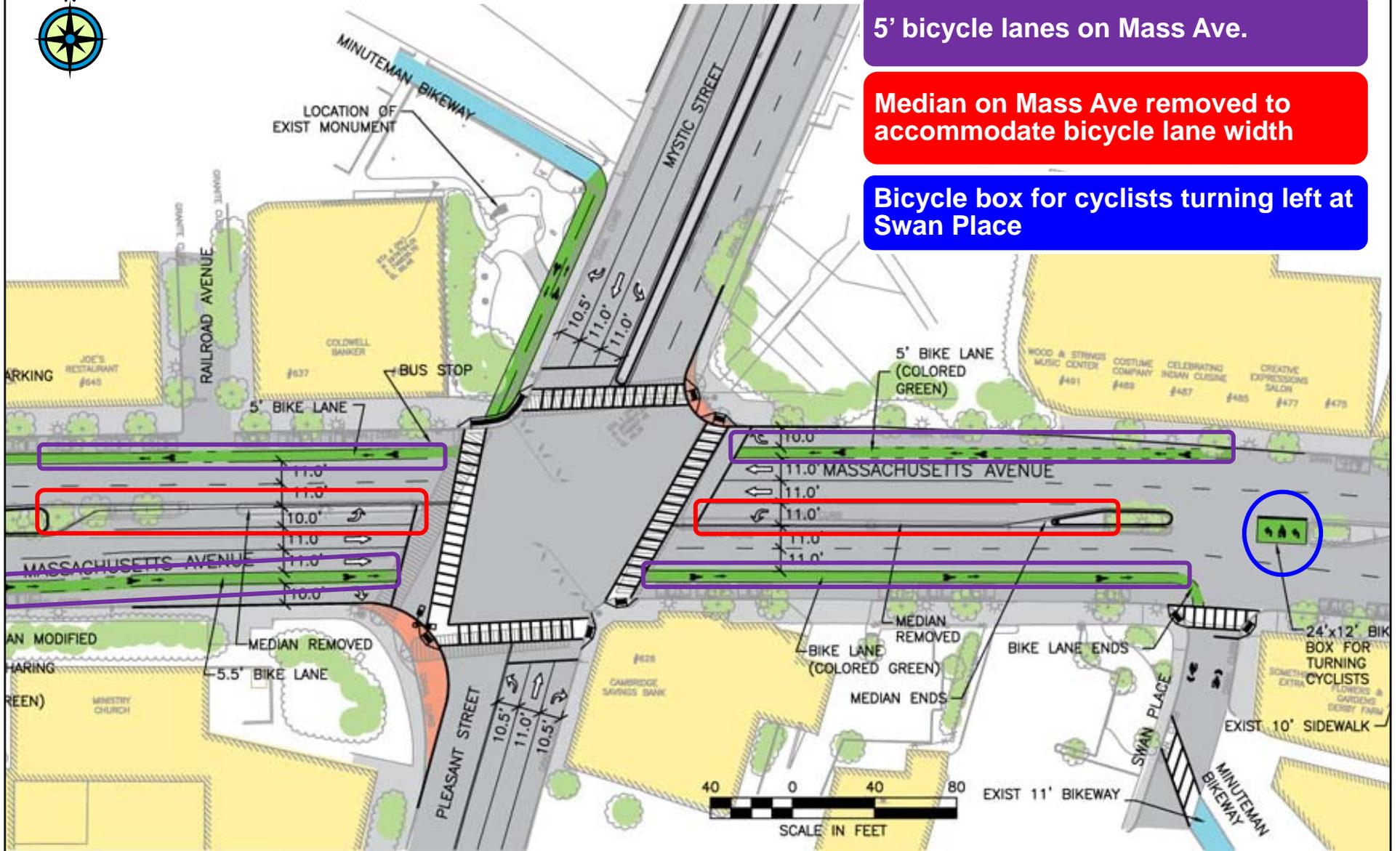


Benefits - Proposed Conditions

- **Pedestrians**
 - Shorter crossing distances and times
 - Fewer conflicts with cyclists on sidewalk on Mystic Street
 - New accessible ramps at all corners
- **Vehicles**
 - Less delay through coordinated signal timing
 - Extended queuing space for Mystic Street left-turn
- **Bicycles**
 - Fewer conflicts with pedestrians on Mystic Street sidewalks



Option 2 — Bicycle Lanes



5' bicycle lanes on Mass Ave.

Median on Mass Ave removed to accommodate bicycle lane width

Bicycle box for cyclists turning left at Swan Place



Option 2 – Photo Simulation



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Option 2 – Street View Simulation

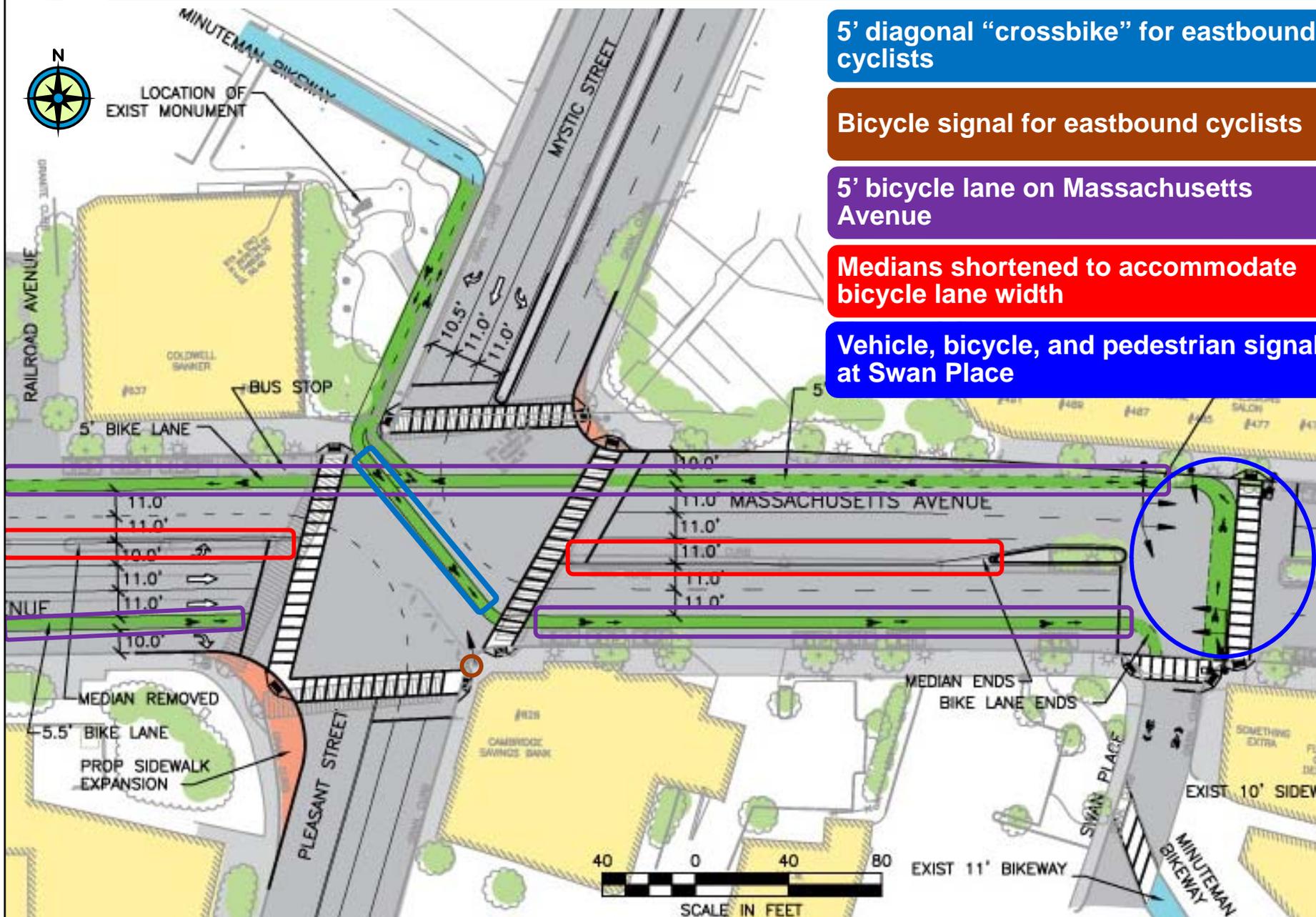


On Massachusetts Avenue looking west

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Option 3—One-way Crossbike with Signal at Swan Place



5' diagonal "crossbike" for eastbound cyclists

Bicycle signal for eastbound cyclists

5' bicycle lane on Massachusetts Avenue

Medians shortened to accommodate bicycle lane width

Vehicle, bicycle, and pedestrian signal at Swan Place



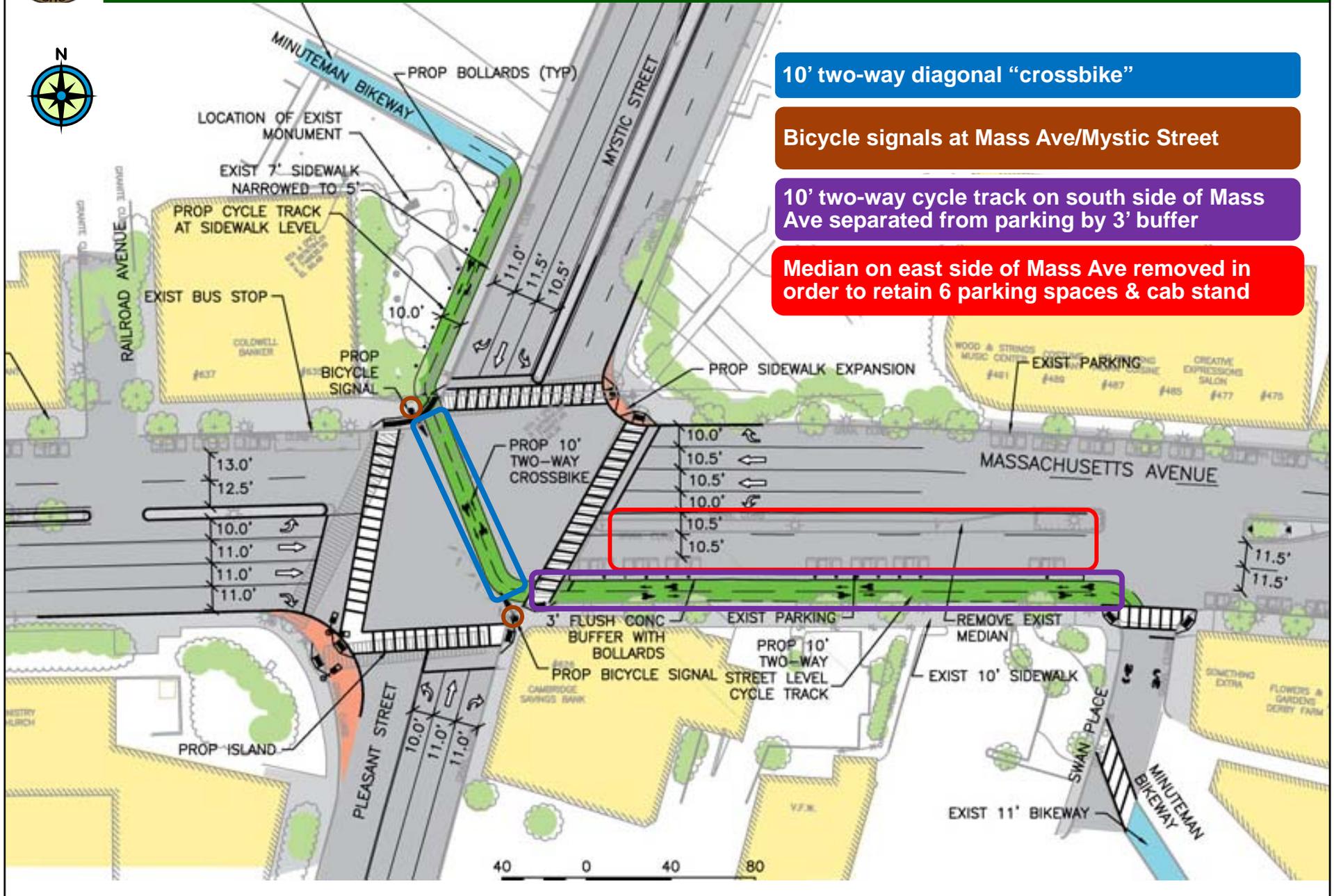
Option 3 – Photo Simulation



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Option 4—Two-way Crossbike with Parking



10' two-way diagonal "crossbike"

Bicycle signals at Mass Ave/Mystic Street

10' two-way cycle track on south side of Mass Ave separated from parking by 3' buffer

Median on east side of Mass Ave removed in order to retain 6 parking spaces & cab stand



Option 4 – Photo Simulation



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Option 4 – Street View Simulation



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Option 5 – Photo Simulation



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Option 5 – Street View Simulation



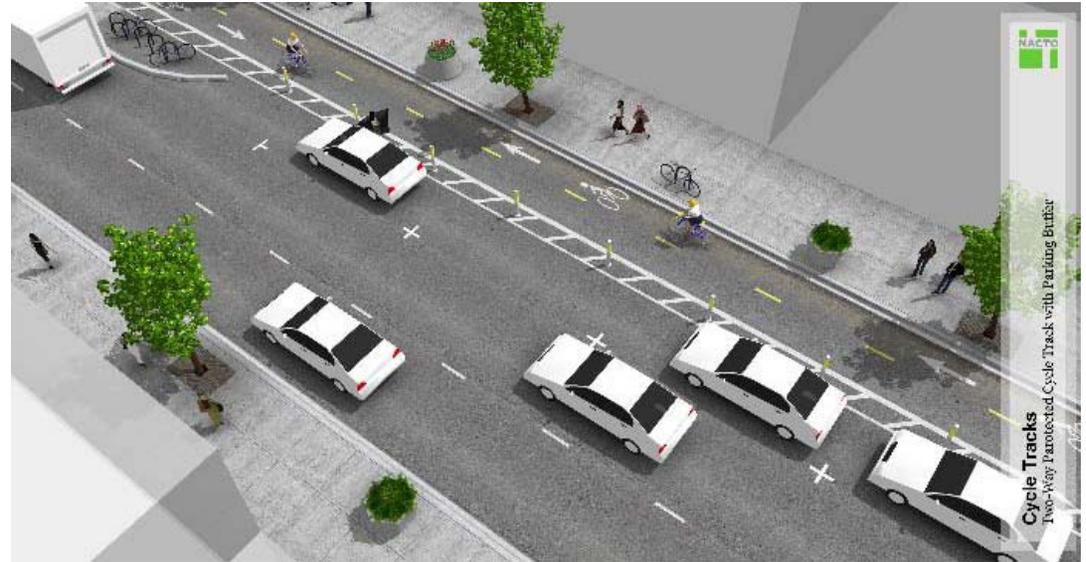
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Examples of Bicycle Accommodations



Bicycle Signal,
Washington, D.C.



Street Level Two-way Cycle Track Concept



Questions/Comments

