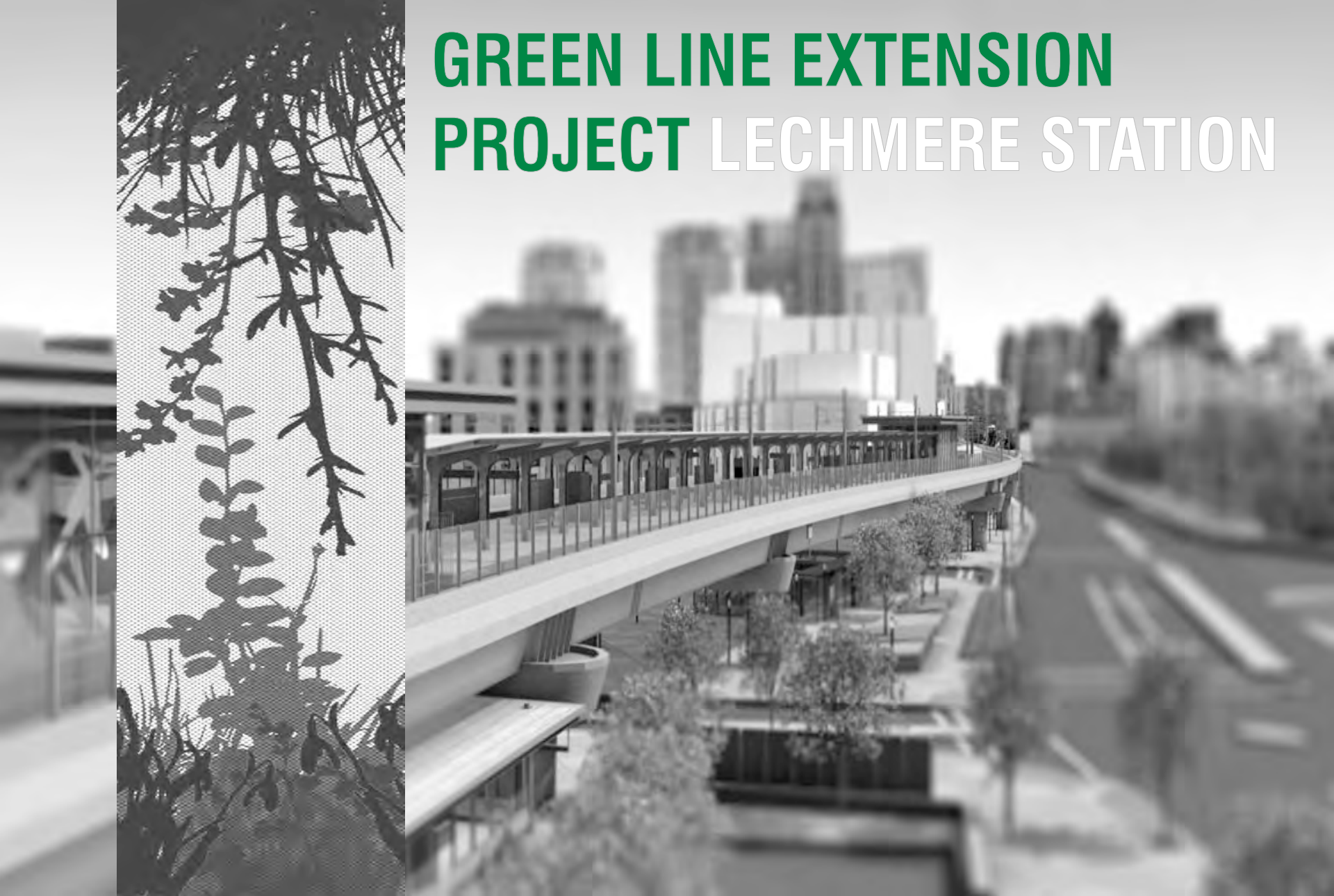


GREEN LINE EXTENSION PROJECT LECHMERE STATION



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LECHMERE STATION
OCTOBER 28, 2014

AGENDA

- GLX Project Update
- Design Development & Community Input
- Station Site Design
- Station Design
- HYM/NorthPoint Lechmere Planning Update
- GLX Construction Sequencing
- Upcoming Meetings
- Q&A



GLX PROJECT UPDATE



Current Projected Phased Schedule



■ Phase 1 – Harvard & Medford St Rail Bridges; 21 Water Demo Award: Dec 2012/ Finish: Oct 2015

■ Phase 2/2A – Lechmere to Washington Street/
 ■ Union Square Branch Start: Oct 2014 Finish: Jun 2017/
 Start-up Testing to Dec 2017

- Contracts 1 & 2 – Long Lead Items & Utility Work Start: Oct 2014
- Contract 3 – Miller’s River Drainage & Fitchburg Mainline Start: Oct 2014
- Contract 4 – Balance of Phase 2/2A Work Start: Mar 2015

■ Phase 3 – Vehicle Maintenance Facility (Contracts 6 & 7) Start: Feb 2016/ Finish: Jan 2019

■ Phase 4 – Washington Street to College Avenue Start: Oct 2014/ Finish: Jan 2020/
 Start-up Testing to Jun 2020

- Contracts 1 & 2 – Long Lead Items & Utility Work Start: Oct 2014
- Contract 4 – Tufts Interlocking Work Start: Mar 2015
- Contract 5 – Balance of Phase 4 Work Start: Nov 2015

GLX Recent Milestone

Notice to Proceed on Early Work Construction received Oct. 2, 2014

- Construction Contract #1-Procurement of Long Lead Items
- Construction Contract #2-Early Utilities Phases 2/2A & 4
- Construction Contract #3-Miller's River & Fitchburg Line

Construction Activities Beginning:

- Rodent Control Plan
- Preconstruction Surveys
- Soil Testing & Characterization
- Clearing & Grubbing

GLX Upcoming Milestones

- Submit FFGA Application Fall 2014
- Full Funding Grant Agreement Winter 2014-15
- Begin Construction Contract #4 –
Phase 2/2A Construction (& Tufts Interlocking) Spring 2015
- Service Begins:
 - Lechmere, Washington St. & Union Sq.: December 2017
 - Gilman Sq., Lowell St., Ball Sq. & College Ave.: Summer 2020

Status of Design for GLX Stations:

100% Due in November 2014
(90% under review)

- Lechmere
- Union Square
- Washington Street



60% Delivered in October 2014
(review ongoing)

- Gilman Square
- Lowell Street
- Ball Square
- College Avenue



DESIGN DEVELOPMENT & COMMUNITY INPUT



COMMUNITY CONCERNS/ISSUES

- Entrances and orientation
- Pedestrian access across Monsignor O'Brien Highway
- Renaming O'Brien Highway to O'Brien Boulevard
- Glass Factory residents' questions
- Station parking
- Community Path
- Pedestrian experience at Water Street
- Busway and shelter designs
- Bus routes/stops for New Lechmere Station area
- Green Line shutdown during construction/replacement service



STATION SITE DESIGN



GREEN LINE EXTENSION



LECHMERE STATION



LECHMERE STATION – EXISTING SITE



LECHMERE STATION – EXISTING SITE



SITE PLAN



LOT A PARKING



LECHMERE STATION



VIEW TO EAST



LECHMERE STATION



KLEINFELDER
Bright People. Right Solutions.

VIEW TO WEST



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LECHMERE STATION



VIEW TO EAST



STATION DESIGN



LECHMERE STATION



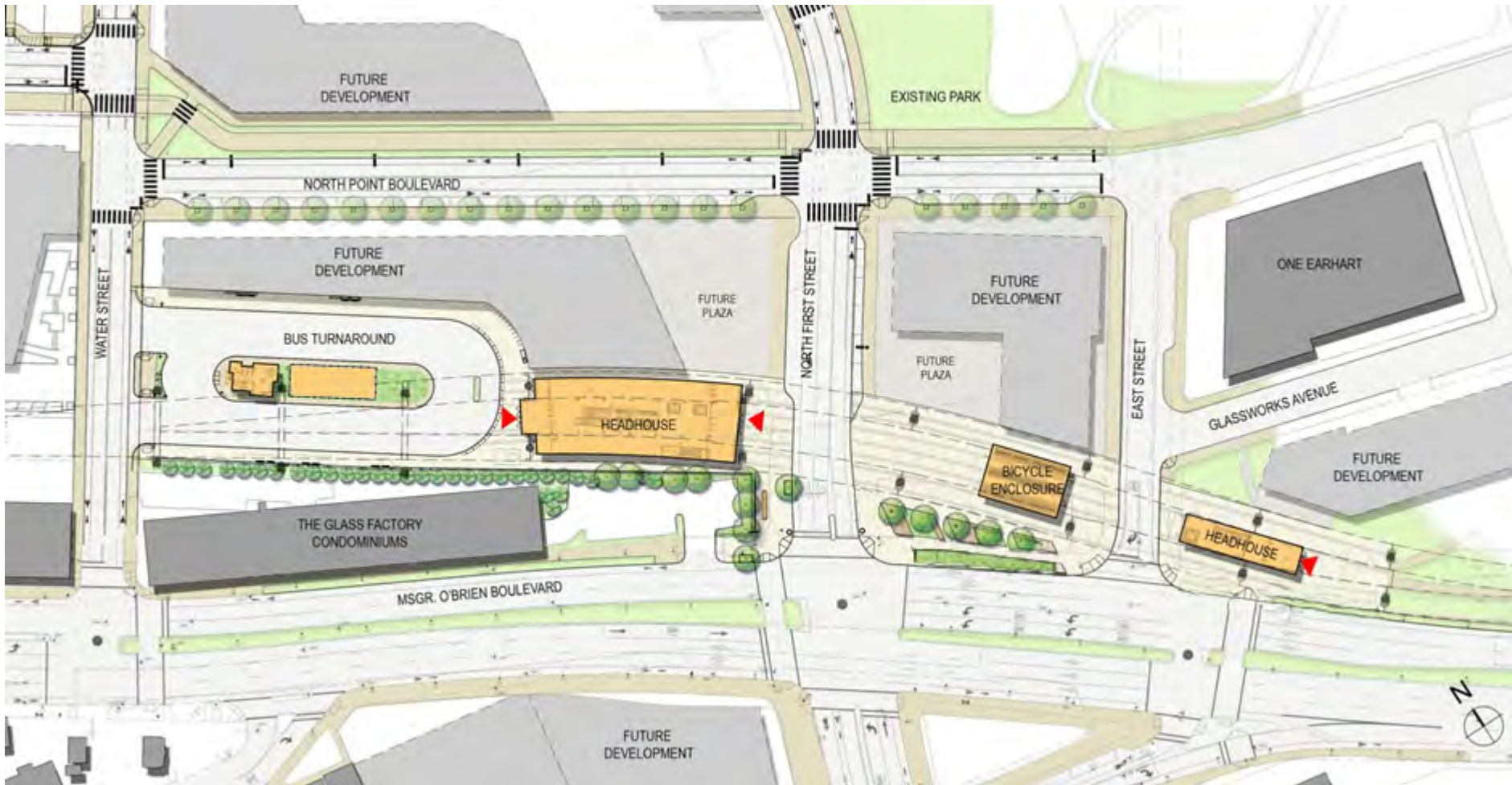
VIEW SOUTH



LECHMERE STATION



SITE PLAN



LECHMERE STATION



VIEW EAST AT NORTH FIRST STREET FROM O'BRIEN



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SOUTH ENTRANCE AT THE NORTH HEAD HOUSE



LECHMERE STATION



VIEW OF NORTH HEAD HOUSE FROM THE BUS WAY



LECHMERE STATION



NORTH HEADHOUSE NORTH ENTRANCE



LECHMERE STATION



NORTH HEADHOUSE NORTH ENTRANCE FARE GATES



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NORTH HEADHOUSE VERTICAL CIRCULATION



LECHMERE STATION



NORTH HEADHOUSE SOUTH ENTRANCE FARE GATES



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NORTH HEADHOUSE SOUTH ENTRANCE FVM



LECHMERE STATION



NORTH HEADHOUSE EAST LOBBY



LECHMERE STATION



NORTH HEADHOUSE VERTICAL CIRCULATION TO CONCOURSE



LECHMERE STATION



NORTH HEADHOUSE CONCOURSE



LECHMERE STATION



SOUTH HEADHOUSE ENTRANCE



LECHMERE STATION



SOUTH HEADHOUSE ENTRANCE



LECHMERE STATION



SOUTH HEADHOUSE FVM & FARE GATES



LECHMERE STATION



SOUTH HEADHOUSE ELEVATOR LOBBY LEVEL



LECHMERE STATION



SOUTH HEADHOUSE STAIRS TO PLATFORM



LECHMERE STATION



VIEW NORTH AT PLATFORM



LECHMERE STATION



VIEW OF NORTH HEADHOUSE FROM PLATFORM

LECHMERE STATION



NORTH HEADHOUSE VIEW NORTH FROM CONCOURSE

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NORTH HEADHOUSE NORTH LOBBY



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BUS LOOP FROM NORTH HEADHOUSE NORTH ENTRY



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VIEW NORTH



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VIEW SOUTH FROM NORTH FIRST STREET



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SCREEN WALL AT NORTH HEAD HOUSE PLAZA



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HISTORIC VIADUCT SPAN



LECHMERE STATION



VIEW SOUTH



HYM/NORTHPOINT LECHMERE PLANNING UPDATE



NorthPoint Overview



- 45 Acre Mixed Use Campus
- 5,245,000 SF
 - Resi: 3,060,000 SF
 - Com: 2,185,000 SF
- Completed
 - Parcels S + T
 - Northpoint Common
 - Earhart Park
 - NorthPoint Boulevard
- Under Construction
 - Parcel N (Twenty | 20)
 - Ped. Bridge Connection
 - Child St. Park

NorthPoint Connectivity



Twenty | 20 Overview

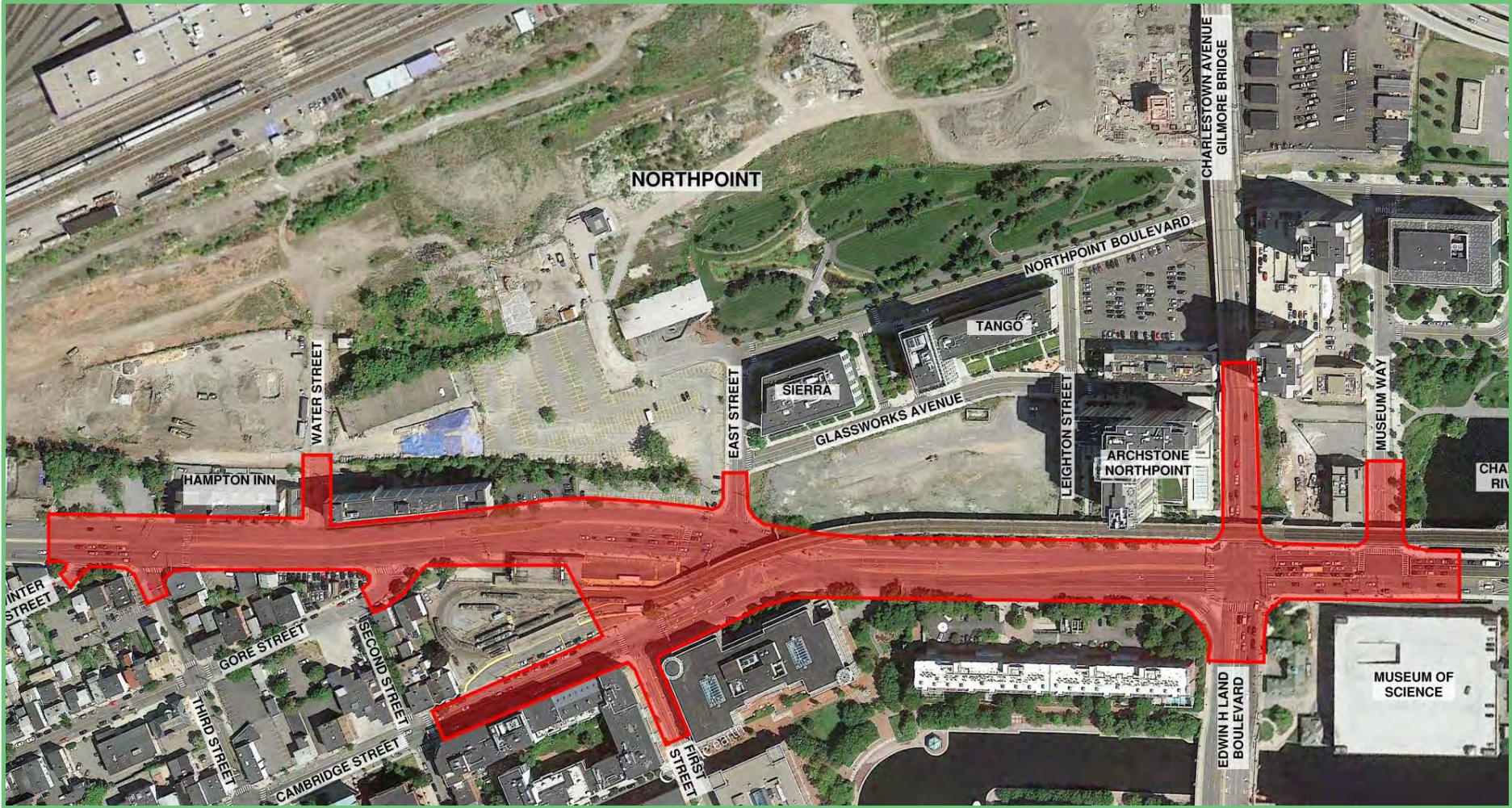


- 355 Residential Units
- 41 Affordable Units
- 8,000 SF Ground Floor Retail
- 17,000 SF Ellipse Park
- Ped. Connection to Gilmore Bridge
- 355 Bicycle Parking Facility

Monsignor O'Brien Reconstruction



Monsignor O'Brien Reconstruction



Monsignor O'Brien Goals

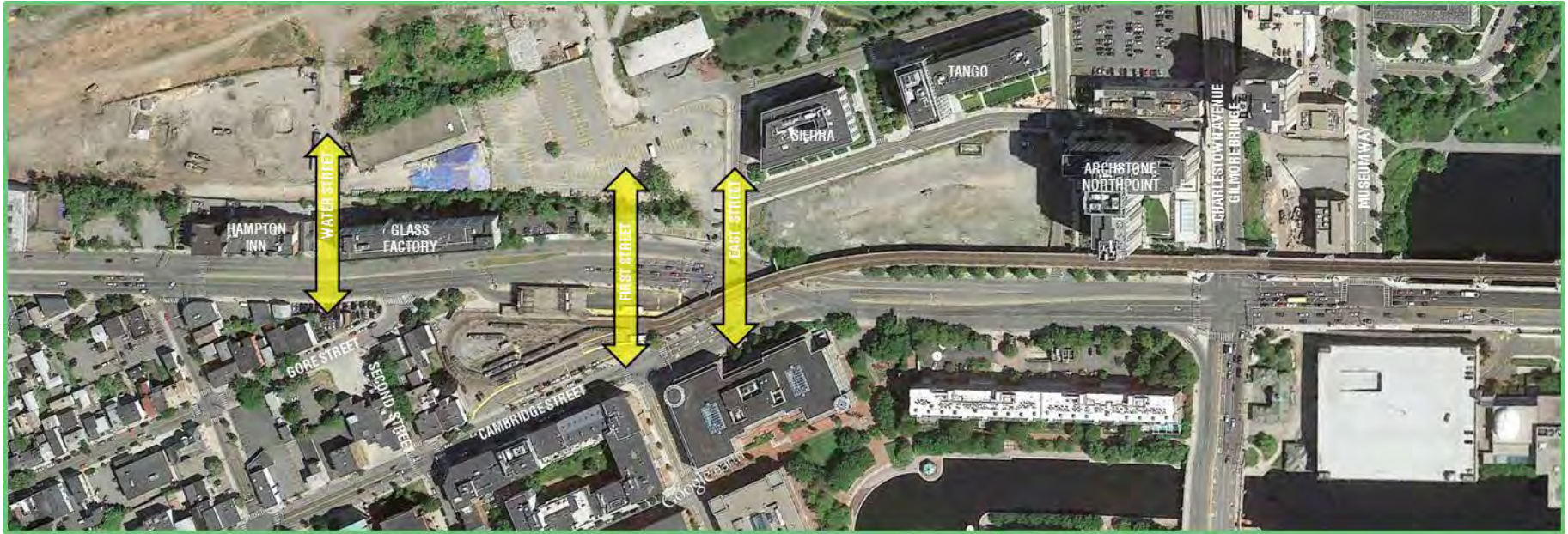


- Minimize trips through O'Brien/Land/Gilmore by using **Water Street** and **Museum Way**



- **Connect First Street** directly to Monsignor O'Brien Boulevard to **reduce traffic on Third Street** and the East Cambridge neighborhood

Monsignor O'Brien Goals



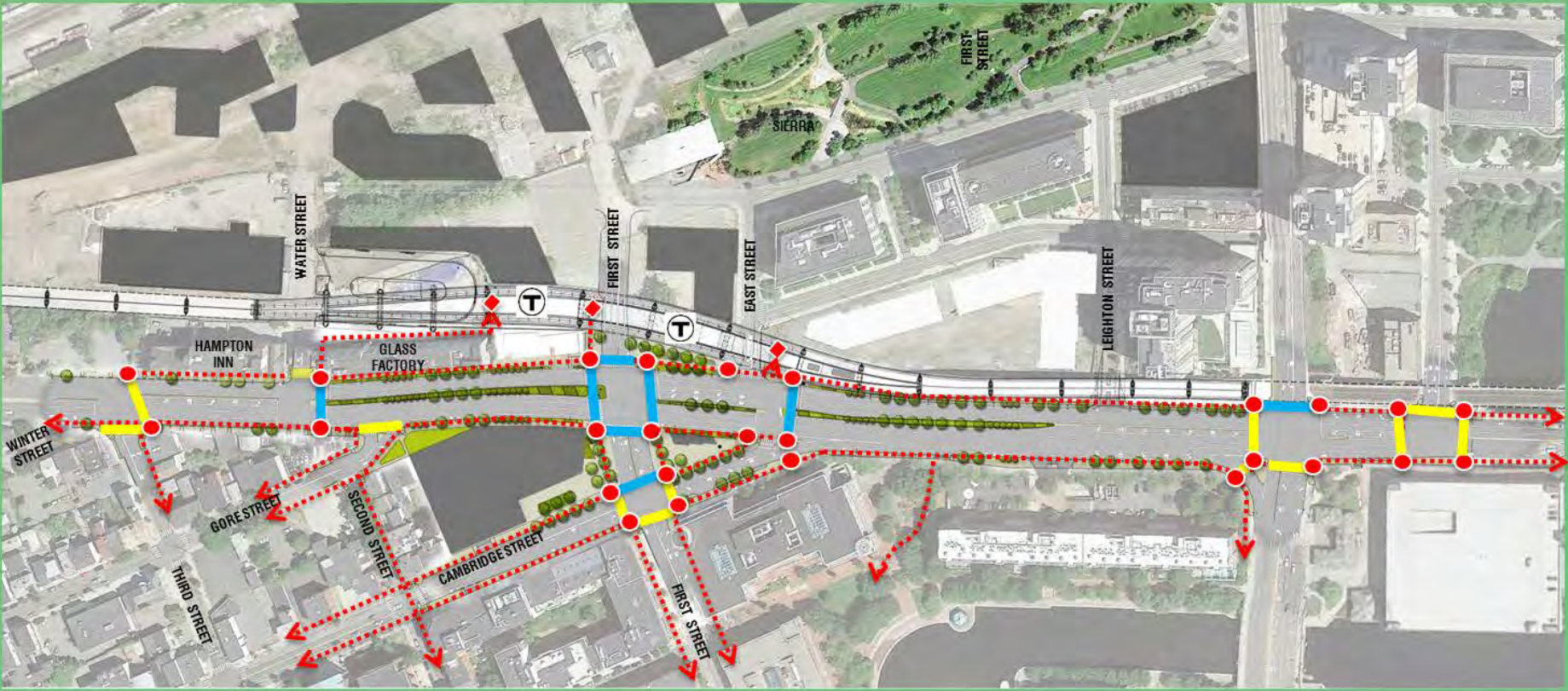
- Provide **high level of pedestrian service** for those traveling to and from the new Lechmere Station

Monsignor O'Brien Goals



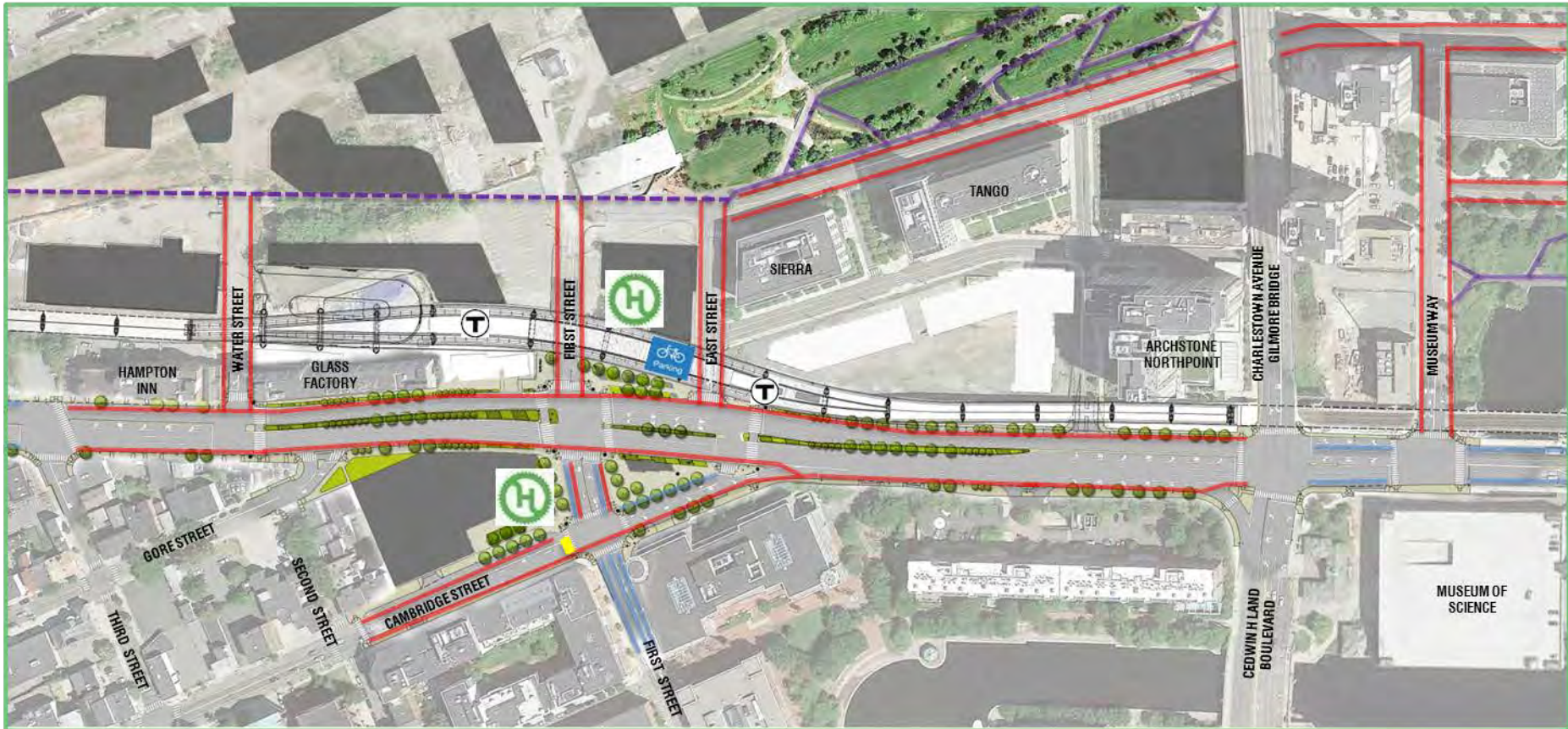
- Incorporate new bicycle lanes on O'Brien Boulevard




Pedestrian Circulation



- New Crosswalk
- Existing Crosswalks

Bicycle Accommodations

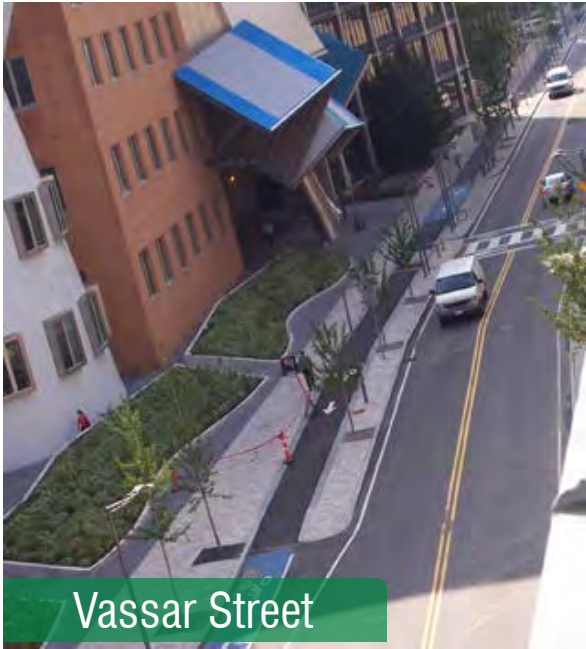


- Bike Lane
- Shared Lane
- Multi-use Path
- Bike Box
-  Hubway Station
-  MBTA Bike Parking
-  Lechmere Headhouse

Cambridge Cycle Tracks...



Vassar Street



Vassar Street

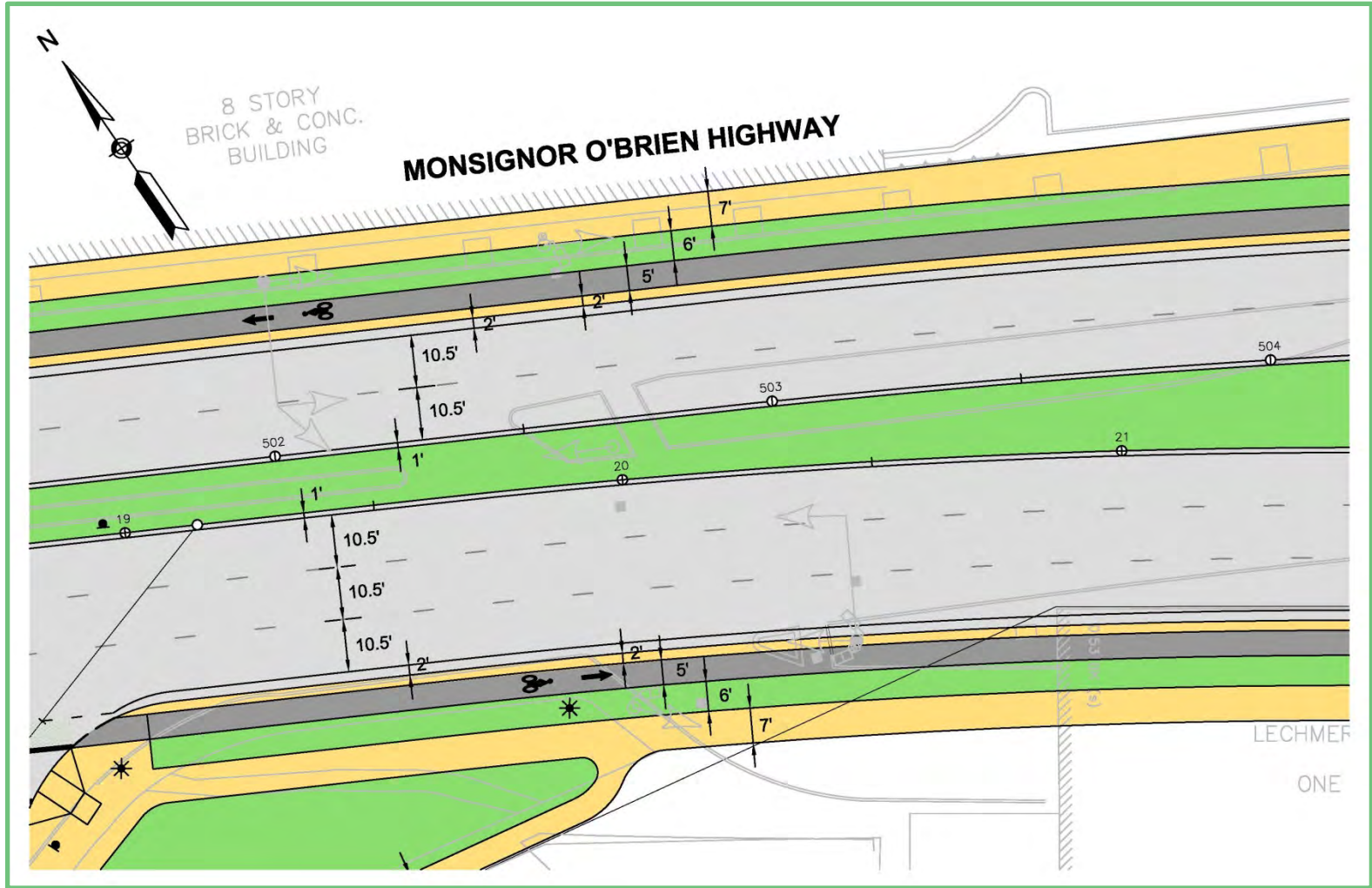


Concord Ave

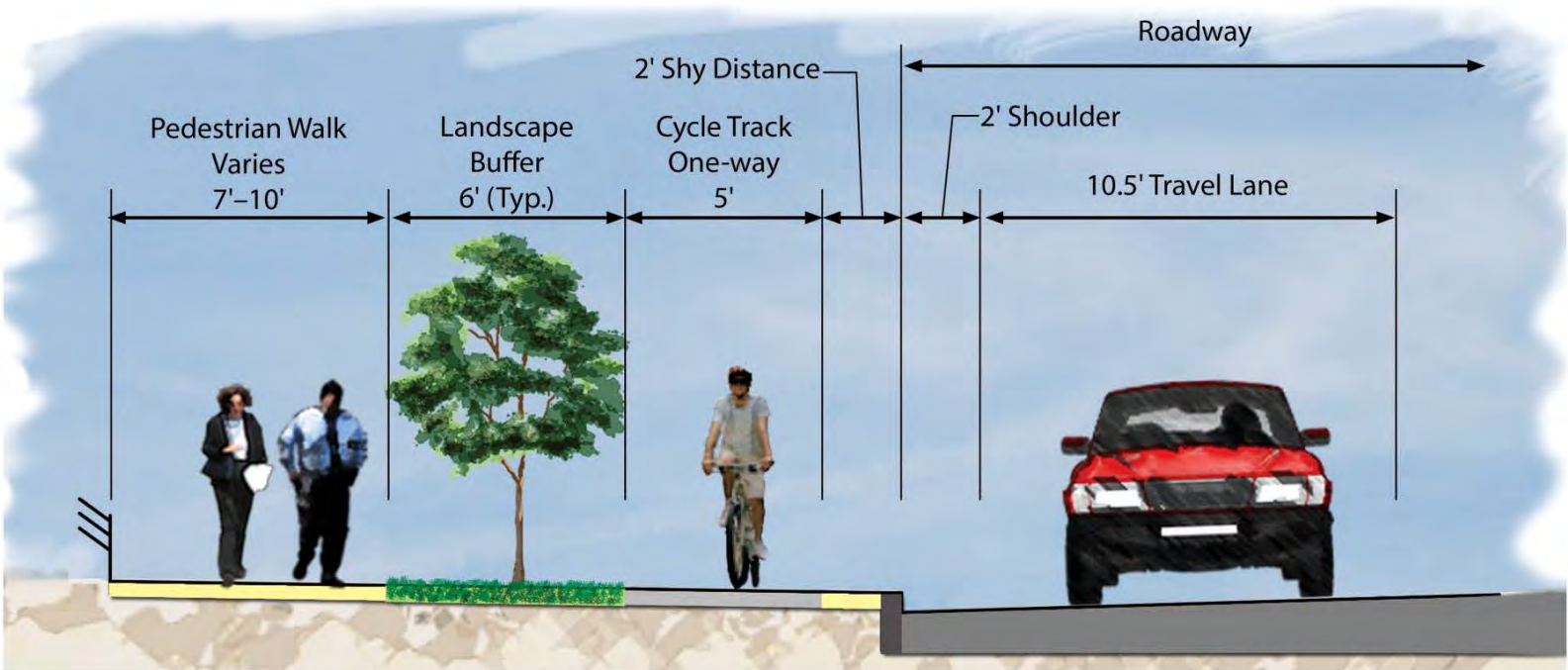


Western Ave

Typical Cycle Track Layout

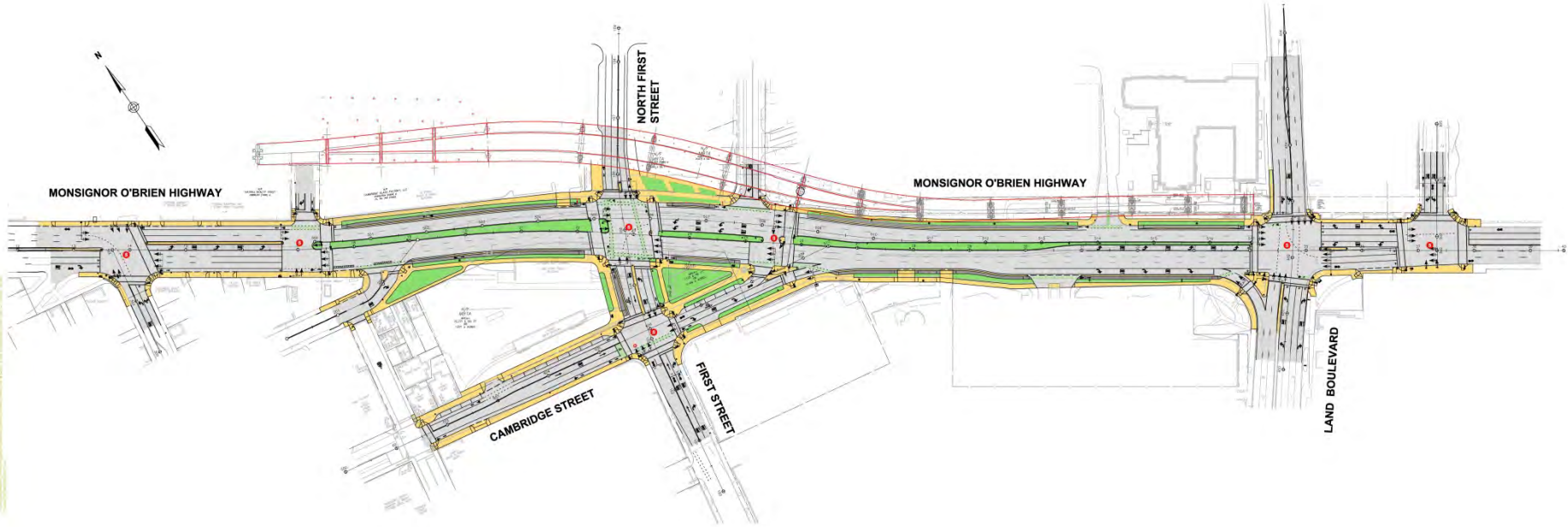


Cycle Track Cross Section



Typical Cycle Track Layout

Monsignor O'Brien Reconstruction



UPCOMING PUBLIC MEETINGS

GLX Washington St. & Union Sq. Station Design Update

Holiday Inn, Somerville – November 6, 2014

Lechmere Station Shutdown/ Replacement Service Meeting

Winter/Spring 2015



COMMENTS/ QUESTIONS?



EMAIL US AT [INFO@GLXINFO.COM](mailto:info@glxinfo.com)



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