

#### **Meeting Agenda**



- Welcome & Introductions
- Project Purpose
- Project Area
- Project History Since 2/29/16
- MassDOT Concept 3K Refined
- Ongoing Public Involvement



## **Project Purpose**



- Replace structurally deficient/functionally obsolete I-90 viaduct
- Straighten main line through Beacon Park Yards (BPY)
  - All Electronic Tolling
  - Rebuild Urban Interchange
  - Geometric and safety improvements
- Realign Soldiers' Field Road (SFR)
- Create a more vibrant Cambridge Street
- Construct urban improvements/accessibility
  - Shared Use Path (SUP) "Peoples' Pike"
  - Rebuild Lincoln Street Pedestrian Bridge
  - Introduce Cycle Tracks on Cambridge Street
- Build BPY Layover and West Station



#### **Shared Priorities**



- √ Improve safety for all modes: walking, cycling, driving, transit
- ✓ Realign I-90
- ✓ Context sensitive design or:
  - ✓ Lessen impact of interchange
  - ✓ Avoid inducing cut-through traffic with new configuration
  - ✓ Reconnect sections of Allston to each other and the River
- Protect abutting and adjacent neighborhoods during construction
- ✓ A more vibrant Cambridge Street that serves all modes
- ✓ Accessibility to transit at future West Station



# Project Area







# Since We Last Visited - Ongoing Outreach



#### Taskforce meetings:

- March 10th, 2016
- March 30th, 2016 (site walk)
- April 7<sup>th</sup>, 2016
- April 28th, 2016
- May 19th, 2016
- October 13th, 2016
- February 16th, 2017

#### Targeted briefings:

- April 22<sup>nd</sup>, 2016 Allston Village Main Streets
- January 19<sup>th</sup>, 2017 Cambridgeport Neighborhood Association
- Public information meeting: December 8th, 2016
- City of Boston Allston Open House: March 6th, 2017



#### Since We Last Visited - BPDA

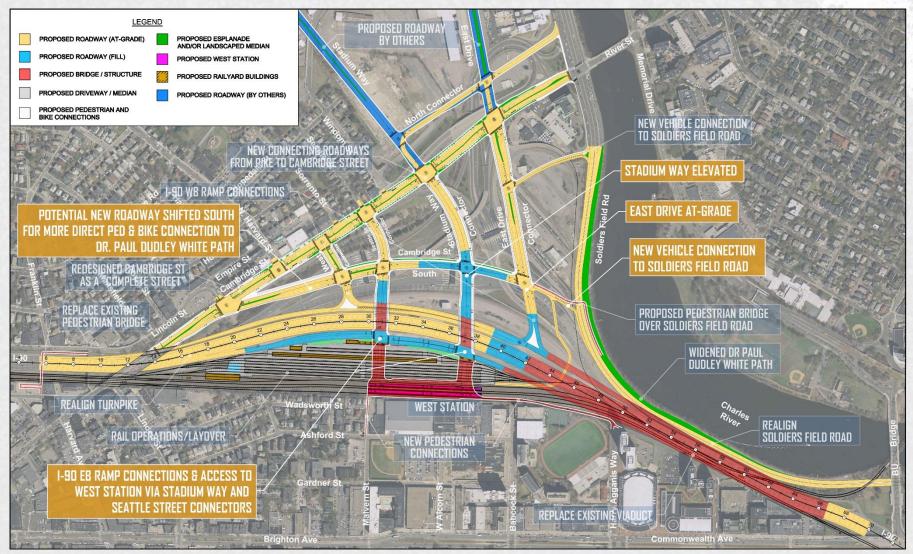


- Boston Planning & Development Agency (BPDA) (nee BRA) place-making process:
  - Used Option 3K4 as a baseline for analysis
  - "Test the district to ensure a wide range of successful outcomes"
  - Looked at:
    - Public Realm/Open Space
    - Mobility/Connectivity
    - Development Potential/Flexibility
    - Distinctive Place/Context Sensitive
    - Energy Efficiency/Sustainability
  - Meetings with I-90 Allston Taskforce on:
    - December 17th, 2015
    - January 11th, 2016
    - January 20th, 2016
    - February 3<sup>rd</sup>, 2016
    - Junes 27th, 2016
    - July 14<sup>th</sup>, 2016



#### MassDOT Concept 3K-4







## Major Placemaking Standards



#### **Organizing the Placemaking Standards**

- Charles River Edges and Connections
- Areas Along and Above the Highway and Rail Alignment
- Cambridge Street and Connections to the North
- Areas within the New District
- Area-Wide Standards
- Guidelines for Future Master Planning





1-90 Aliston Interchange Placemaking Study

The Cecil Group | Stantec | Nelson\Nygaard

June 27, 2016

19



















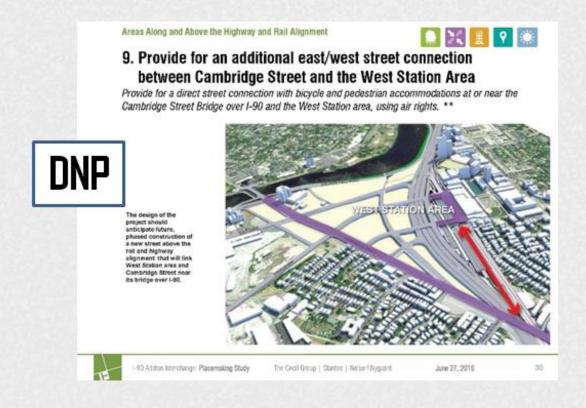








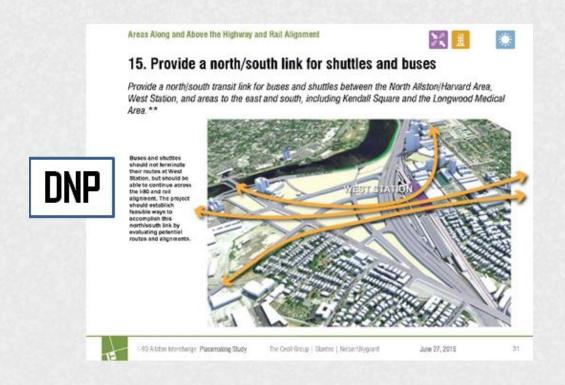
Areas Along and Above the Highway and Rail Alignment







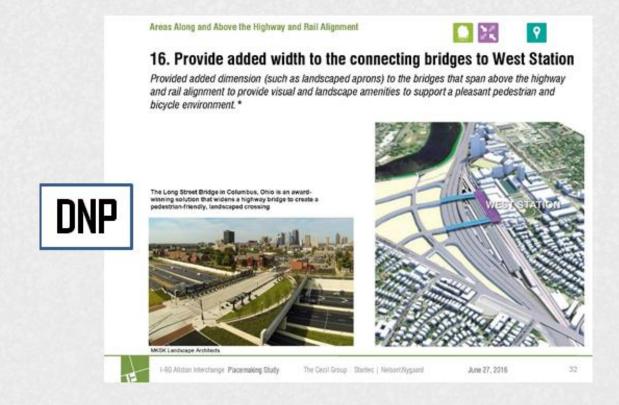
Areas Along and Above the Highway and Rail Alignment







Areas Along and Above the Highway and Rail Alignment







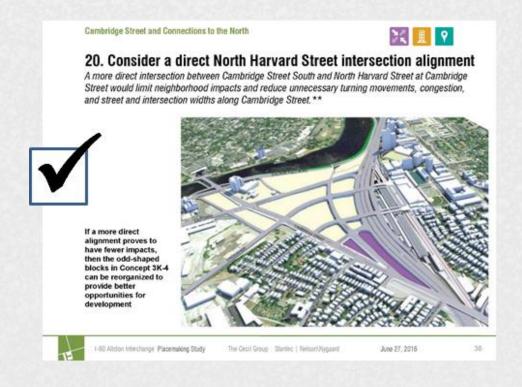
Cambridge Street and Connections to the North







Cambridge Street and Connections to the North







Cambridge Street and Connections to the North







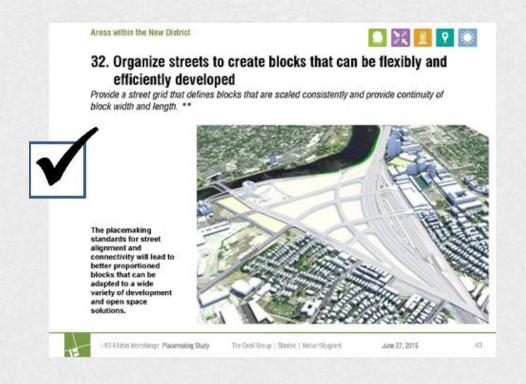
Areas within the New District







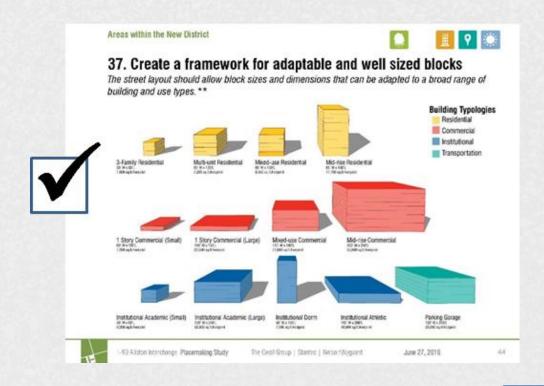
Areas within the New District







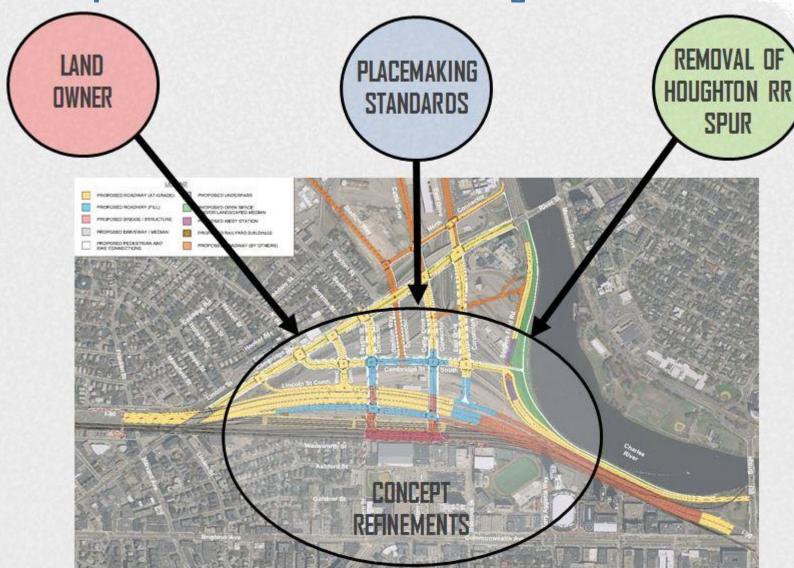
Areas within the New District





#### Concept Refinements - Contributing Factors



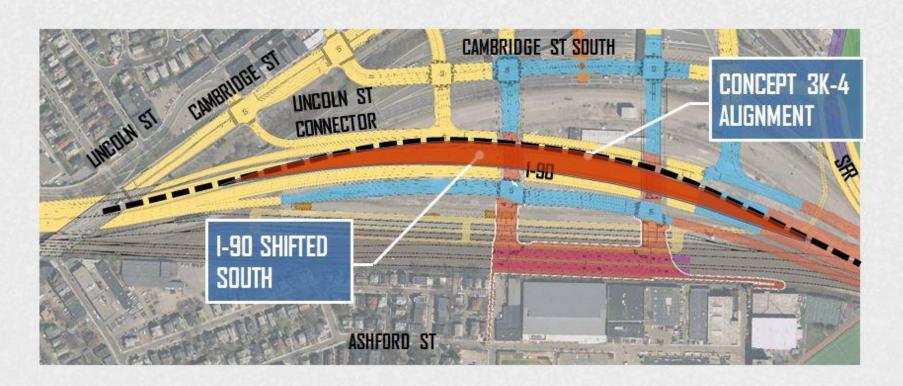




# Concept Refinements – I-90 Realignment



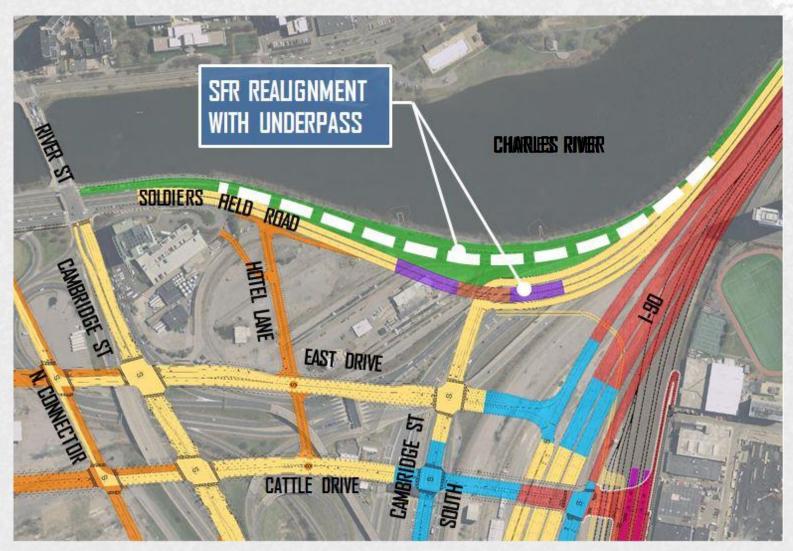
- Shifted 100 ft south
- Allows for adjusted Street Network
- Decreases slopes between Cambridge St and West Station





#### Concept Refinements - SFR Realignment

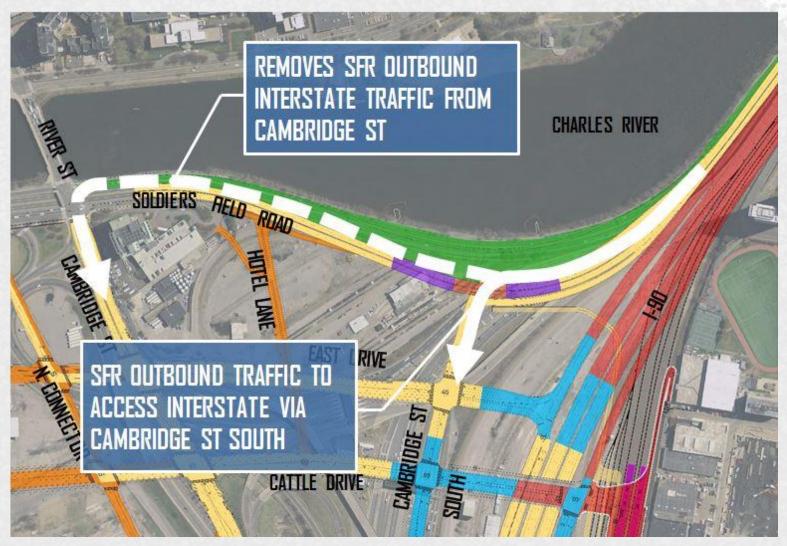






#### Concept Refinements - SFR Vehicular Access

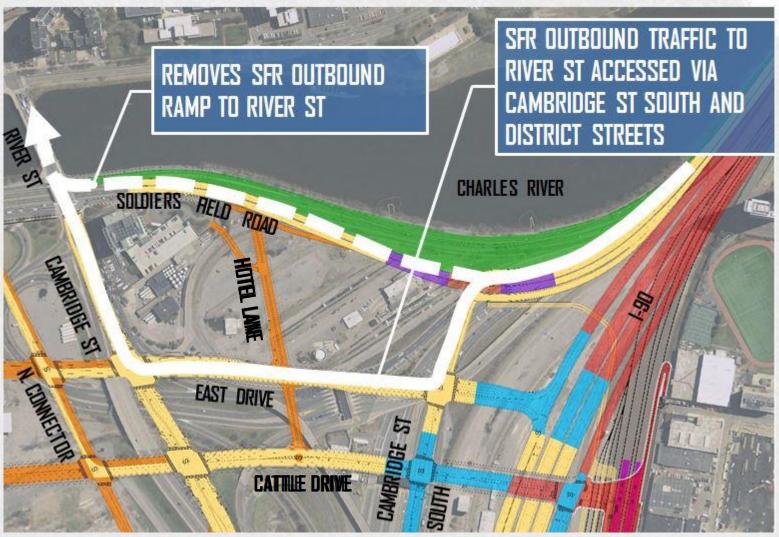






#### Concept Refinements - SFR Vehicular Access

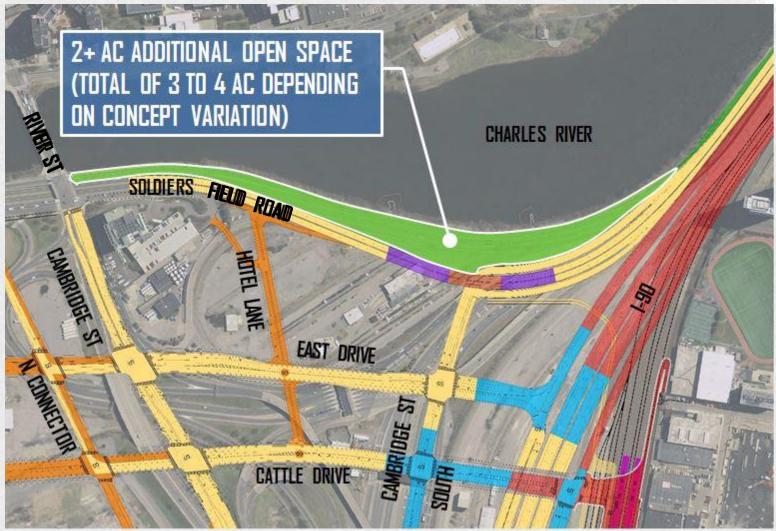






## Concept Refinements - SFR Additional Open Space

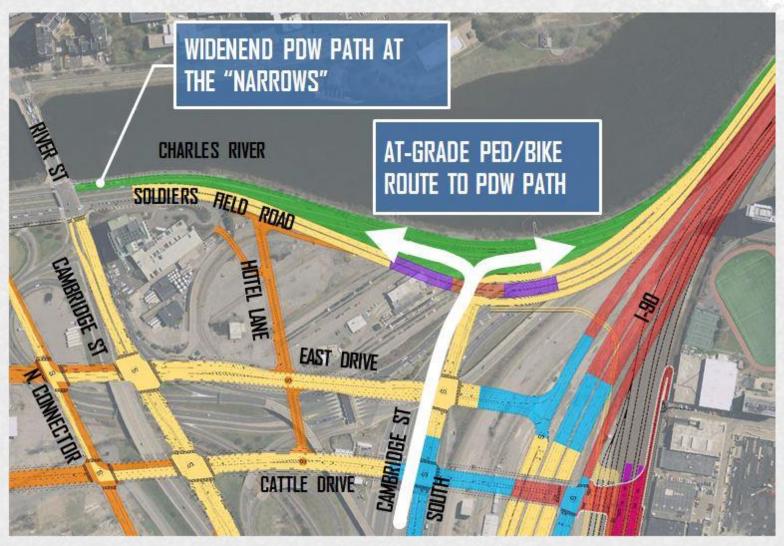






#### Concept Refinements - SFR At-Grade Ped/Bike

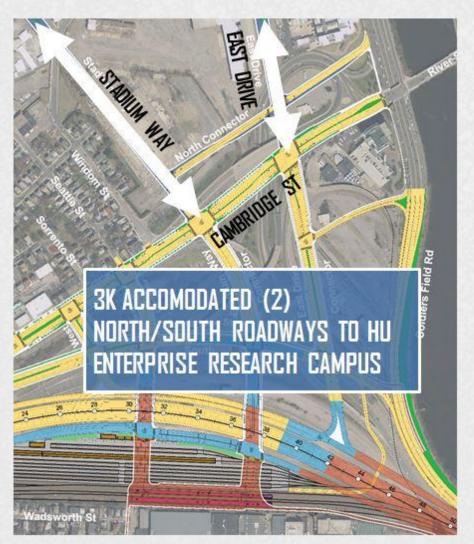


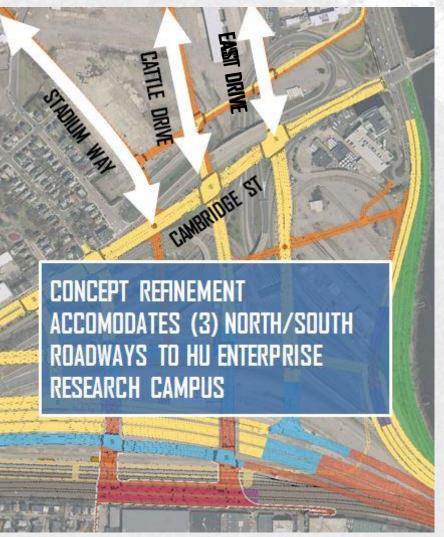




#### Concept Refinements - 3 North/South Streets







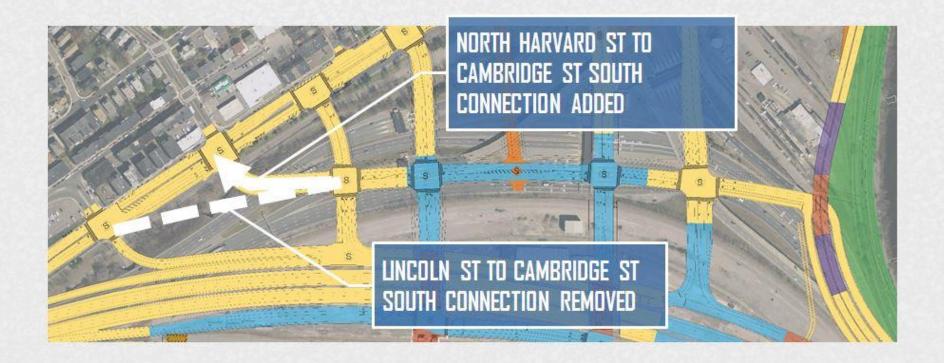
**CONCEPT 3K-4** 

CONCEPT REFINEMENT



## Concept Refinements - North Harvard St Connection

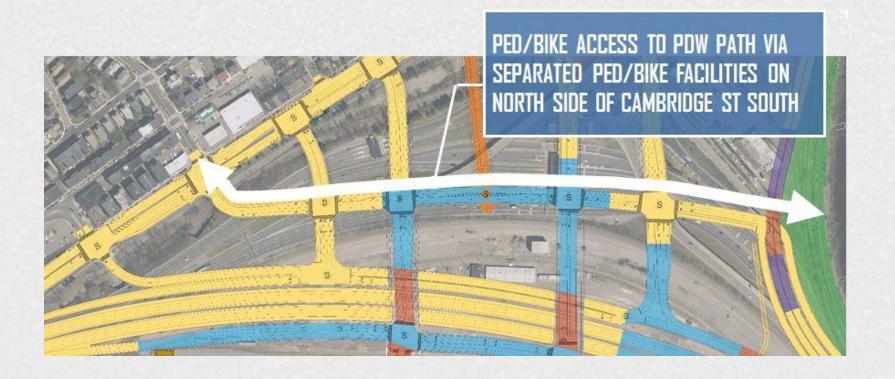






# Concept Refinements – Cambridge St South Ped/Bike Facilities

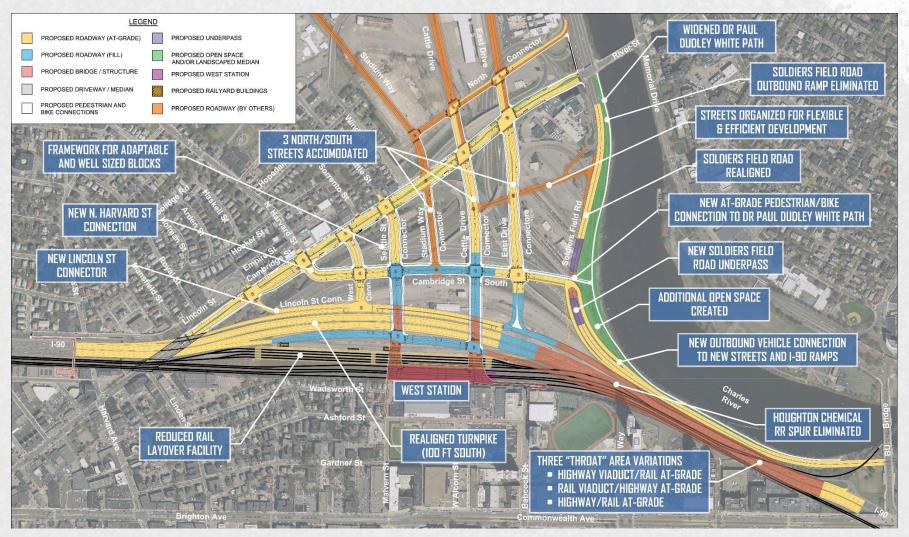






#### Summary of Concept Refinements (3K-Refined)







# North/South Connections - A Brookline Perspective



"I live in Brookline, a few blocks south of Commonwealth Avenue... I fully support the complete streets ideas we've heard tonight...a bike and pedestrian option on those [Malvern Street] would be fantastic.

At the December meeting, MassDOT said that that would lead to an extra car burden of up to 20,000 cars per day. Once they hit it [Commonwealth Avenue], they'll want to continue south, including through the main north/south streets in Brookline: Maple, Babcock, Pleasant, St. Paul, and Amory.

There will be a huge impact on those streets, which will all be negative. Those are all residential streets. Most of those cars would be cutting through, probably driving too fast. There are enough dangerous drivers already in north Brookline."



#### North/South Vehicular Connection

ALLSTON INTERCHANGE

- Malvern Street
- Full two-way connection
- CTPS projected traffic volumes





# North/South General Purpose Vehicular Connection



#### **Summary of Potential Impacts:**

- Congestion at I-90 ramps
  - Heavy North-South flow conflict
- Packard's Corner Impact
- Increased Neighborhood Traffic
- BU West Campus Pedestrian Environment



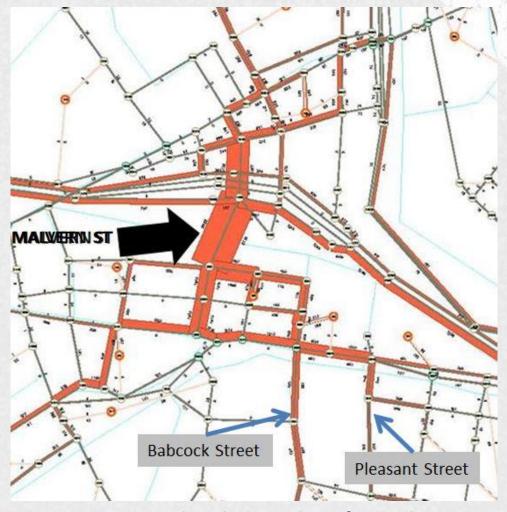
76 ASHFORD STREET (LOOKING NORTH)



## North/South Vehicular Connection -CTPS projected traffic volumes (year 2040)



- AM Peak: 1,727 vph
  - 1,065 Northbound
  - 662 Southbound
- PM Peak: 2,112 vph
  - 1,052 Northbound
  - 1,060 Southbound
- Daily: ~21,000+
- Shows ~4% higher volumes than when 2035 was run for earlier 3K series

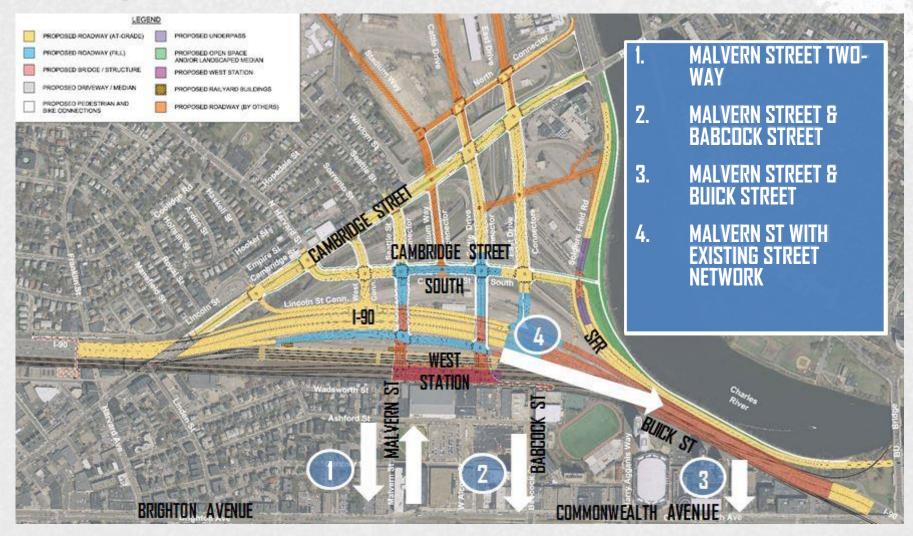


Source: CTPS select link analysis for Malvern St



# North/South Transit-Only Connection Four Options

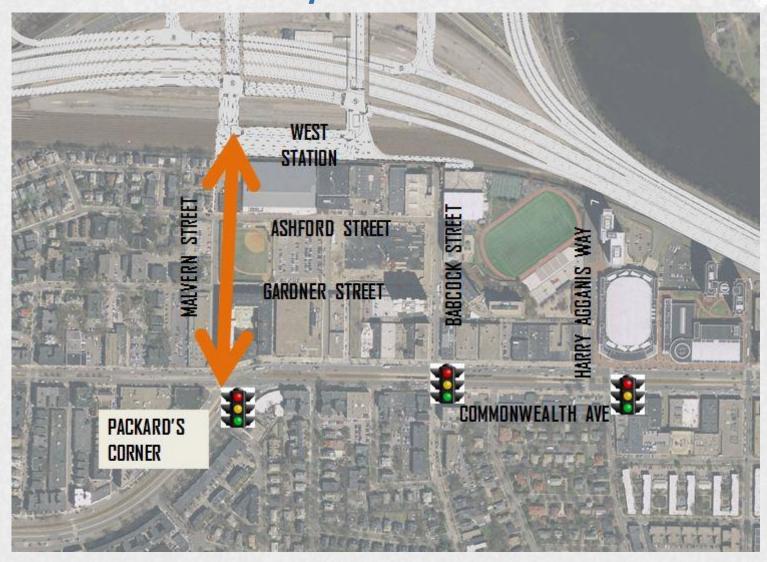






# Option 1 Malvern Street two-way connector

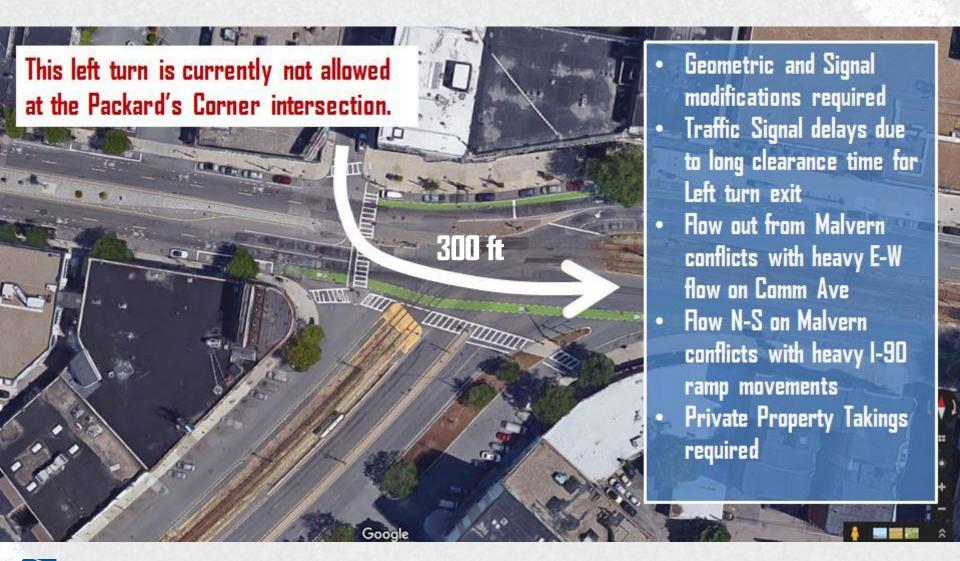






## Option 1: Packard's Corner Signal Impact







## Option 2 Malvern St & Babcock St







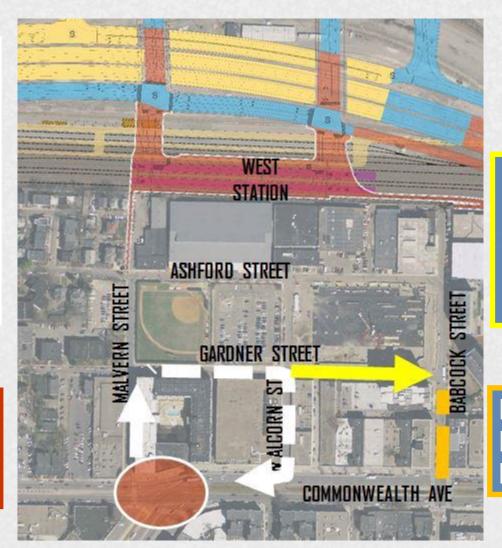
## Option 2 Additional Impacts



Potential One-Way Malvern Street NB between Comm Ave and Gardner St.

Would then require Gardner St EB traffic to use W. Alcorn Street

Reduces impacts to Packard's Corner



Requires One-Way Gardner St EB and parking restrictions for Bus Turns to Babcock Street

Remove Parking on Babcock St to Introduce 2<sup>nd</sup> SB Lane



## Option 3 Malvern St & Buick St







## Option 3 Impacts Harry Agganis Way & Buick Street







### Option 3

#### Impacts Harry Agganis Way & Buick Street







# Option 4 Malvern St with Existing Street Network

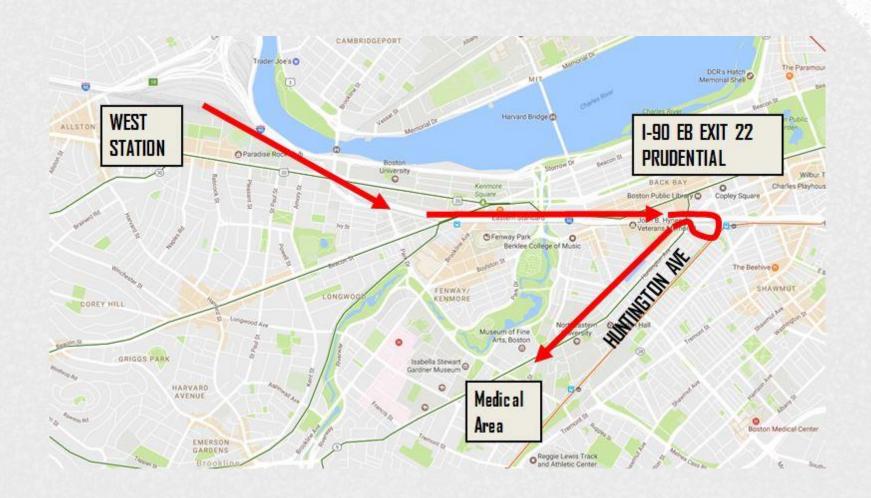






# Option 4 Malvern St with Existing Street Network



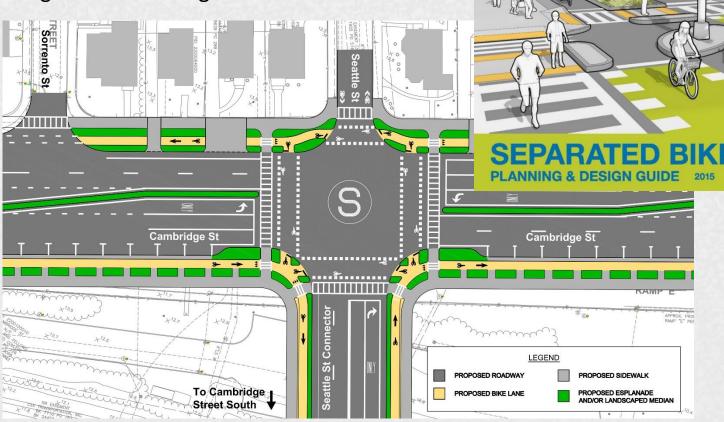




#### Elements Consistent with Earlier 3K Series I

ALLSTON INTERCHANGE

- Separated bicycle facilities on all roadways (minus mainline highway)
- Fully protected intersections
- Application of MassDOT Complete Streets guidelines throughout

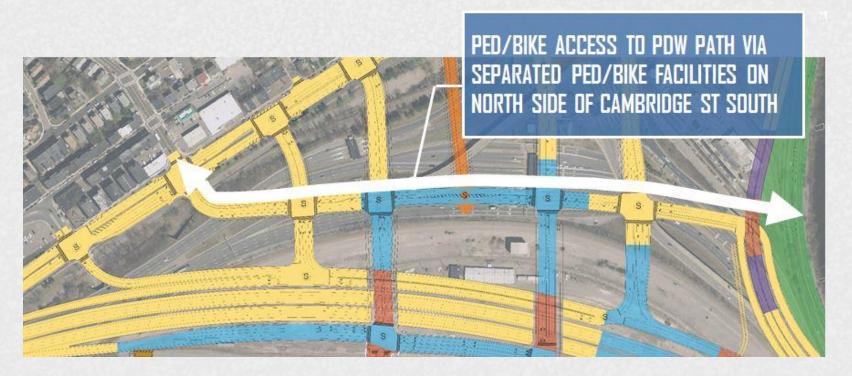




#### Elements Consistent with Earlier 3K Series II



 New, strong direct link for cyclists and pedestrians from Lower Allston to the Dudley White Path





#### Elements Consistent with Earlier 3K Series III



 "Opening Day" bicycle/pedestrian connections from Commonwealth Avenue to Cambridge Street





#### Elements Consistent with Earlier 3K Series IV



Seeking to make Franklin Street footbridge an early action item





## What to Expect in the DEIR



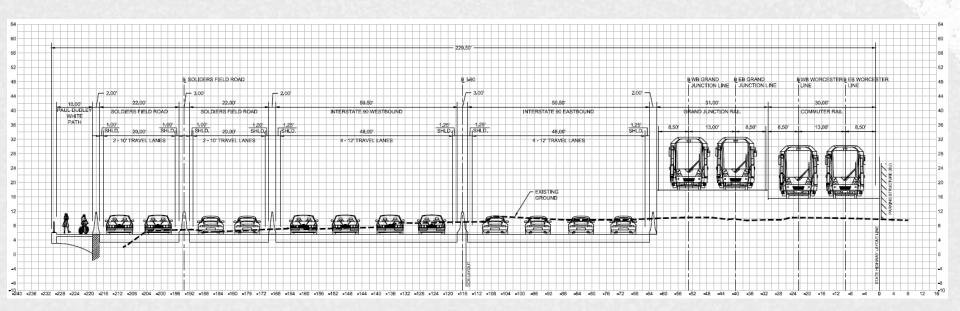
- The Draft Environmental Impact Report (DEIR) will cover:
  - 3K-Refined
  - Throat Variants:
    - I-90 roadway viaduct (bridge) like today
    - All at-grade (I-90/SFR/RR Lines) originally advanced by ABC
    - Rail viaduct over at-grade I-90 originally advanced by Ari Ofsevit
    - All to be designed to same level for analysis purposes
  - All options to be analyzed for:
    - Noise
    - Traffic
    - Air quality
    - Environmental justice
    - Economic development
    - And much more
  - Anticipated filing during 2017



## Full Analysis of "Throat Variants"



All at Grade (originally advanced by ABC)

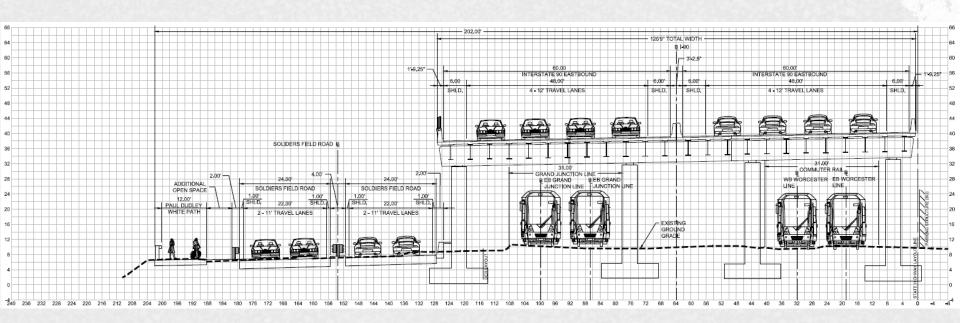




### Full Analysis of "Throat Variants"



I-90 Roadway Viaduct

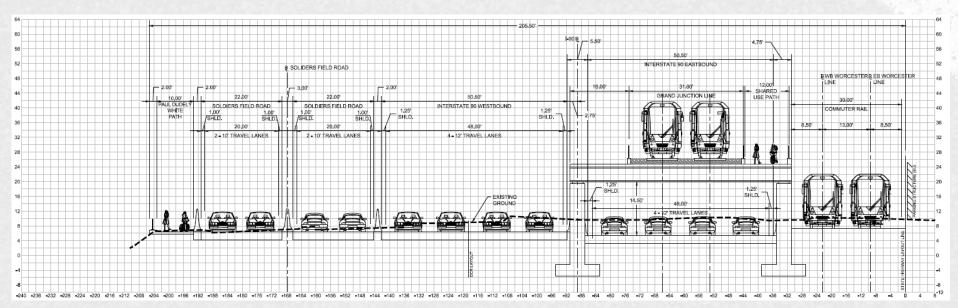




## Full Analysis of "Throat Variants"



Rail viaduct over at-grade I-90 (originally advanced by Ari Ofsevit)





## **Next Steps**



- Reconvene taskforce in advance of DEIR filing
- Advance Preferred Alternative to Preliminary Design



## **Preliminary Project Timeline**



		2016				2017				2018			2019			2020				2021			2022			N.	2023			2024					
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	ţ	2	3	4	1	2	3	4	1	2	3	4	<u>f</u>	2	3	4	1	2	3 4
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#### **Question & Comments**



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Attn: Bridge Project Management - Project File No: 606475

Nathaniel Curtis, Howard Stein Hudson, Public Involvement (617) 482 – 7080 ext. 236 ncabral-curtis@hshassoc.com





