



Robert Street Bridge Project

Roslindale, MA

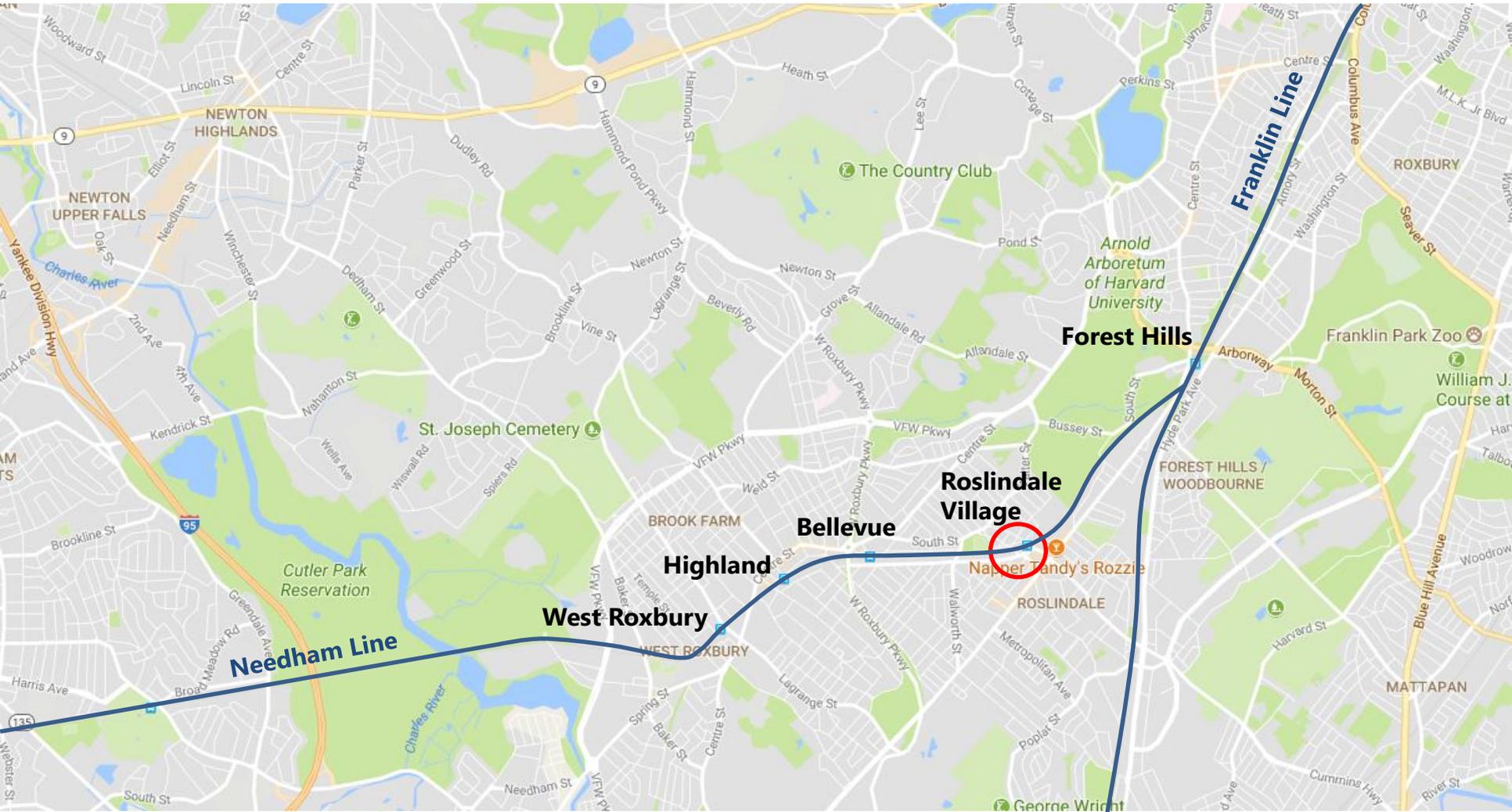
Design Public Meeting

April 29, 2019

Meeting Outline

- Project Location
- Existing Conditions
- Project Need and Goals
- Proposed Concept and Construction Staging
- Impacts to Robert Street during Construction
- Project Status and Schedule
- Public Outreach
- Questions

Project Location



Project Location



Existing Conditions

- Structure
 - Originally built in 1898, rehabilitated in 1985
 - Riveted steel girders and piers
 - Granite abutments
- Roadway
 - ~40 feet curb to curb
 - 9'-6" sidewalks on both sides
- Utilities
 - MBTA signal carried by bridge
 - Numerous underground in Robert Street
- Adjacent Roslindale Village Station



Project Need

- Structure is in poor condition
 - Steel superstructure rated as 4 (out of 10)
 - Nearing end of bridge fatigue life
 - Bridge rating below design loading
- Maintain infrastructure to provide safe and efficient transportation for T riders and the public.



Project Goals

- Restore the State of Good Repair (Repair/Replace Bridge)
 - Maintain existing vertical clearances
 - Maintain existing roadway and sidewalk widths
 - No change to existing track alignment
- Minimize impacts to Roslindale Neighborhood
- Minimize impacts to users of Robert Street
- Minimize impacts to Commuter Rail riders
- No alterations to Roslindale Village Station



Proposed Concept

- Complete bridge replacement
 - Track profile and alignment to match existing
 - No impacts to adjacent station
 - Use accelerated construction techniques
 - Design allows for future second track
- New structure
 - Single-span
 - Creates more open area beneath bridge
- All construction within existing Right of Way
 - No anticipated easements required

Existing Bridge

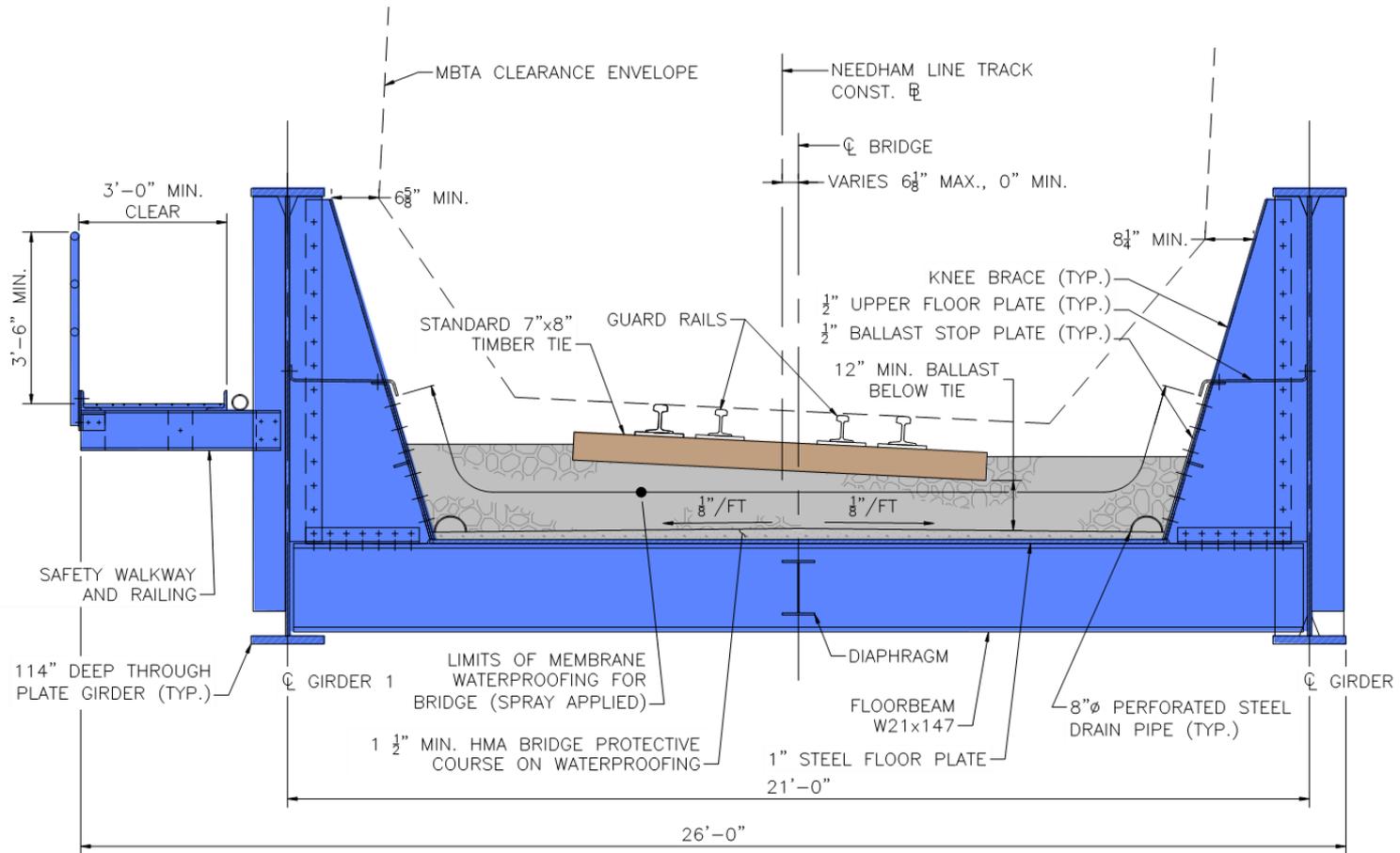


Proposed Concept

Note: Final bridge color to be black



Proposed Concept



TRANSVERSE SECTION

Construction Staging

- Install drilled shafts/micropiles (no impacts to rail service)
 - Sunday work
- Two (2) - Weekend Shutdowns
 - First Weekend Shutdown
 - Install pier caps and approach slabs
 - Complete assembly of new superstructure with track in-service
 - Second Weekend Shutdown
 - Remove existing superstructure
 - Install backwall/approach slab at east abutment
 - Move proposed superstructure to final location
 - Install ballast and ties
- Complete roadway work and remove piers

Construction Staging – Existing Conditions



Construction Staging – Phase 1



Construction Staging – Weekend One



Construction Staging



BELGRADE AVE

ST. NECTARIOS GREEK
ORTHODOX CHURCH

NEW BRIDGE GIRDER

ROBERT ST

Construction Staging



 NEW BRIDGE IN TEMPORARY LOCATION

SO. CONWAY ST

SO. FAIRVIEW ST

 MBTA PARKING

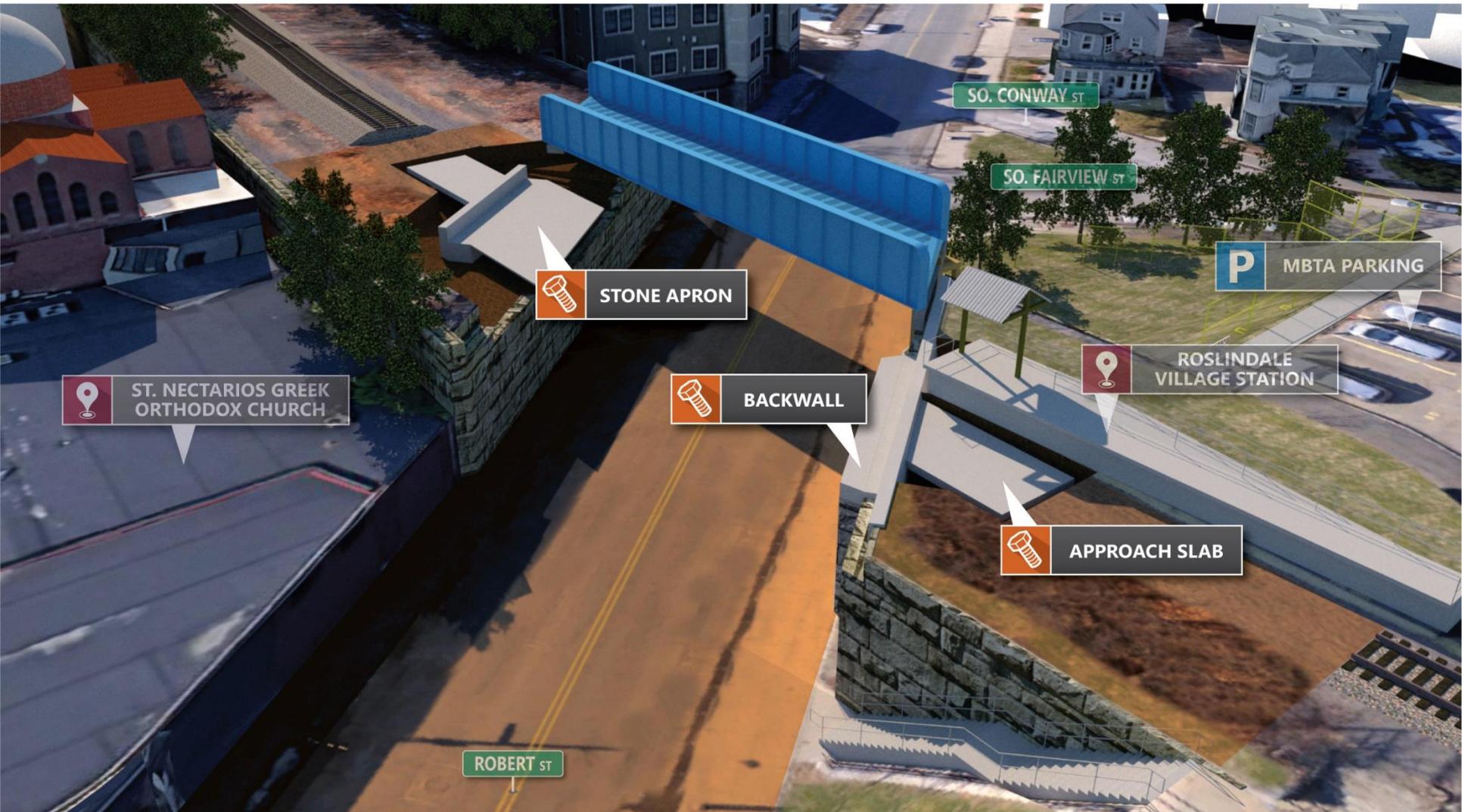
 ST. NECTARIOS GREEK ORTHODOX CHURCH

 EXISTING BRIDGE

 ROSLINDALE VILLAGE STATION

ROBERT ST

Construction Staging –Weekend Two



Construction Staging – Weekend Two



Construction Staging



BELGRADE AVE

ST. NECTARIOS GREEK
ORTHODOX CHURCH

ROSLINDALE
VILLAGE STATION

ROBERT ST

Construction Staging



BELGRADE AVE

ST. NECTARIOS GREEK
ORTHODOX CHURCH

ROSLINDALE
VILLAGE STATION

PAVE ROADWAY

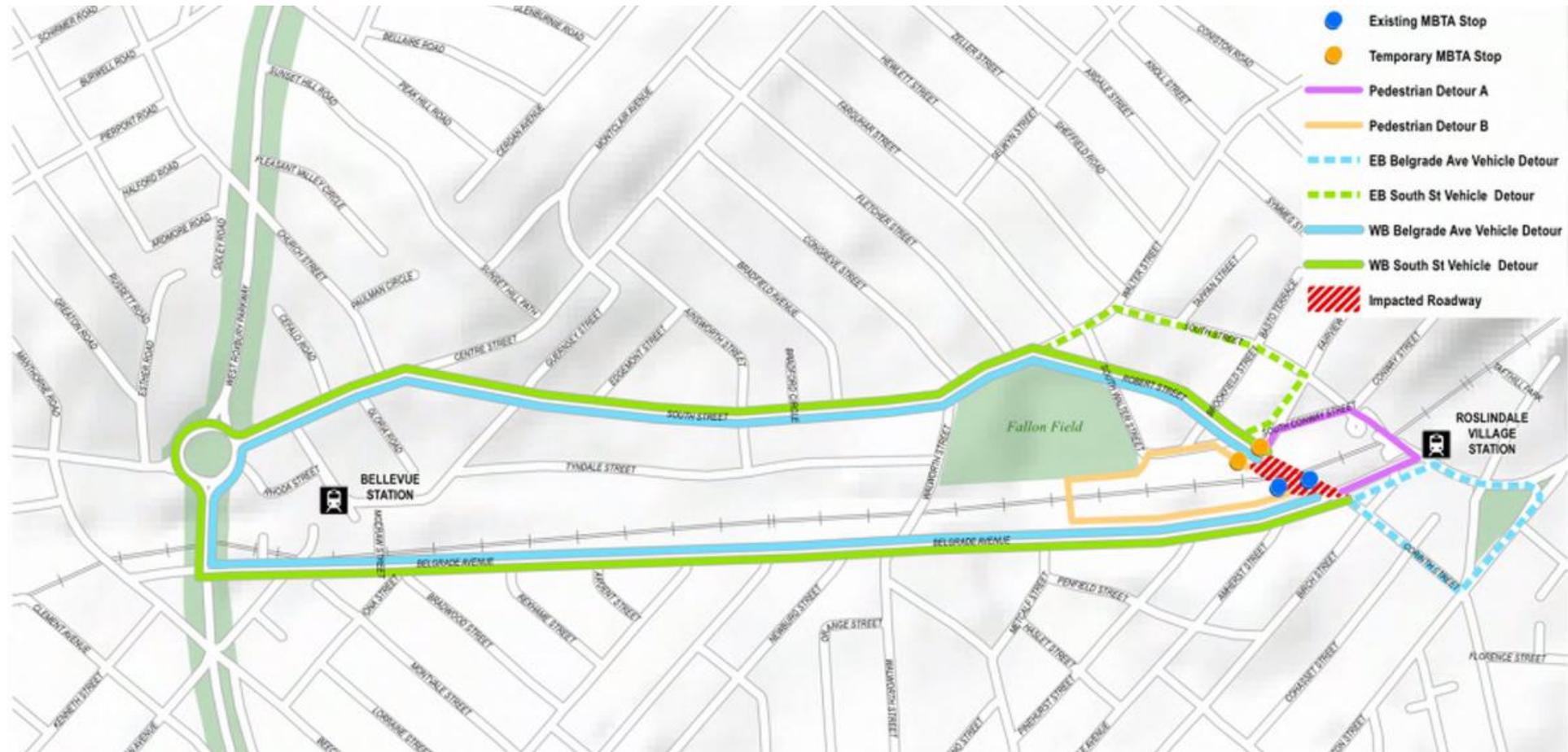
REPAIR SIDEWALK

ROBERT ST

Impacts to Robert Street

- Parking
 - During construction - temporary loss of on-street spaces
- Temporary Traffic Control
 - During construction – maintain 2 lanes of traffic, but shift lanes within existing curb lines
 - Occasional- Alternating one way traffic under police control
- Closures
 - Two (2) – Weekend shutdowns (Friday night to Monday morning)
 - Detour
 - Occasional day or shift closures
 - During overhead construction
- Station Access
 - Alternate route provided during construction

Impacts to Robert Street - Detour Route



Project Status and Schedule

- 60% Design submitted – January 2019
- 100% Design scheduled to be submitted - June 2019
- Advertisement – Summer 2019
- Start of construction Winter 2019/2020
- Construction duration – approximately 13 months
- Estimated construction cost - \$11M

Public Outreach

- Met with City of Boston on April 11
- Distributed project flyers in neighborhood on April 22
- Met with State Officials on April 24
- Public Meeting April 29
- During Construction
 - E-mail contacts regarding traffic and service impacts
 - MBTA project website



Questions?

Resources

- Project Website:
 - www.mbta.com/RobertSt
- E-mail contact:
 - Mike Ryan, MBTA Project Manager – mryan@mbta.com
- To sign up for project e-mail notifications, contact Mike Ryan