

Belmont Bridge Replacement

Board Of Architectural Review Meeting

August 20, 2019





ntroduction August 20, 2019 BAR: Plan Updates

- ☐ Southwest stair design
- ☐ Site Lighting
- ☐ Crash rated, removable bollard locations
- ☐ Site Furniture
- ☐ Crosswalks material update
- ☐ Southwest parking lot material update
- Bridge parapet wall and railings
- ☐ Bike Runnel @ Stairs
- ☐ Retaining wall design
- ☐ Knuckle design
- CSX fencing



Stairs: Southwest Stairs



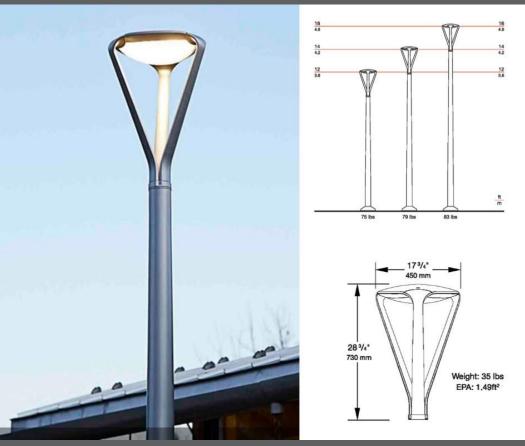




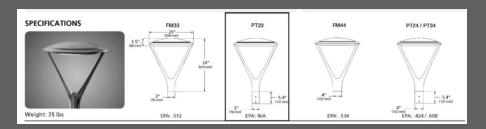
Lighting

Pedestrian Walkway

Lighting Types



PREVIOUS Pedestrian Light (Landscape Forms FGP)





PROPOSED Pedestrian Light (Kim Lighting Ouro)

Note:

The current intent for the Belmont Bridge project is to use the same Site Light Fixture family as East High Streetscape.



Lighting

Site and Accent

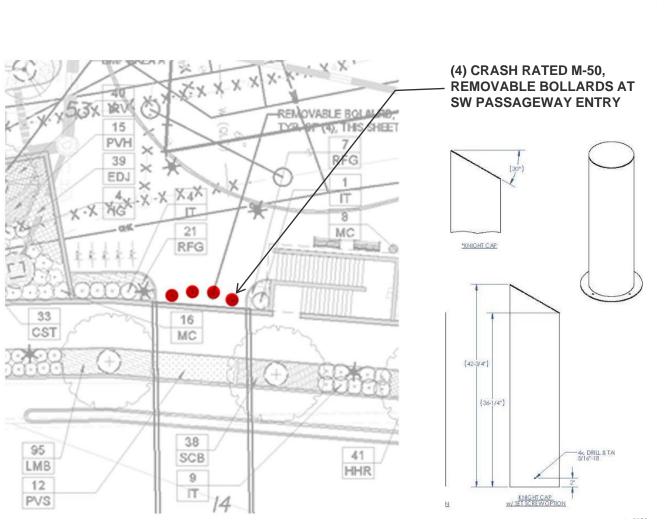




Recessed Wall Fixtures at Knuckle (No handrail accent lighting)



Urban Design – Removable Bollards @ Southwest Passageway





SLEEVE FINISH: POWDERCOATED STORMCLOUD GREY



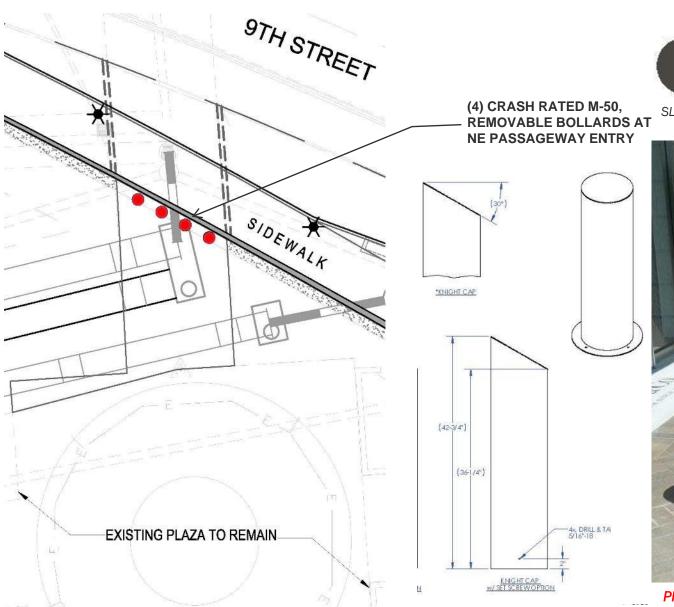
PREVIOUS BOLLARD
UNRATED, REMOVABLE, INTERNAL LOCK
LANDSCAPE FORMS - SENTINEL BOLLARD



PROPOSED CRASH RATED BOLLARD

Calpipe-M-50 Rated Bollard-Storm Cloud Grey Sleeve

Urban Design – Removable Bollards @ Northeast Passageway



KEY PLAN



SLEEVE FINISH: POWDERCOATED STORMCLOUD GREY



PREVIOUS BOLLARD
UNRATED, REMOVABLE, INTERNAL LOCK

LANDSCAPE FORMS -SENTINEL BOLLARD

Belg

PROPOSED CRASH RATED BOLLARD
Calpipe-M-50 Rated Bollard-Storm Cloud Grey Sleeve

Urban Design - Site Materials

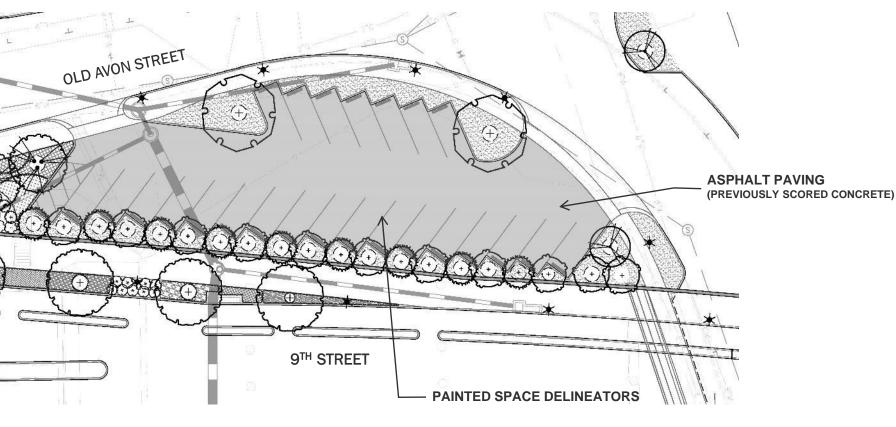


Scored Concrete Crosswalks Bordered with High Visibility Striping. *CityMix 'Omaha Tan' Color Concrete

PREVIOUS Crosswalk (Scored Concrete)











Urban Design - Site Furnishings



Current Selection (Basis of Design)
Landscape Forms- FGP Backed Bench



Current Selection
(Basis of Design)
Forms and Surfaces:
Dispatch Trash Receptacle



Current Selection (Basis of Design)
Landscape Forms- MultipliCITY Bike Racks

NOTE:

- 1. All Site Furniture to receive a Dark Gray (Storm Cloud) finish.
- The current intent for the Belmont Bridge project is to use the same Site Furniture family as the West Main Street Streetscape and East High Street Streetscape projects.



Urban Design - Bench Equals



Current Selection (Basis of Design)
Landscape Forms- FGP Backed Bench



Alternate 1 (Potential Equal)
Forms + Surfaces- Trio Bench



Alternate 2 (Potential Equal)

Anova- Beacon Hill

NOTE:

- 1. All Site Furniture to receive a Dark Gray (Stormcloud) finish.
- The current intent for the Belmont Bridge project is to use the same Site Furniture family as the West Main Street Streetscape and East High Street Streetscape projects.



Urban Design – Trash Receptacle Equals



Current Selection (Basis of Design)
Forms and Surfaces: Dispatch Trash Receptacle



Alternate 1 (Potential Equal)
Thomas Steele- Chandler Trash Receptacle



Alternate 2 (Potential Equal)

Anova- Metrix Trash Receptacle

IOTE:

- 1. All Site Furniture to receive a Dark Gray (Storm Cloud) finish.
- The current intent for the Belmont Bridge project is to use the same Site Furniture family as the West Main Street Streetscape and East High Street Streetscape projects.



Urban Design – Bike Rack Equals



Current Selection (Basis of Design)
Landscape Forms- MultipliCITY Bike Racks



Alternate 1 (Potential Equal)
Forms + Surfaces- Cordia Bike Rack



Alternate 2 (Potential Equal)

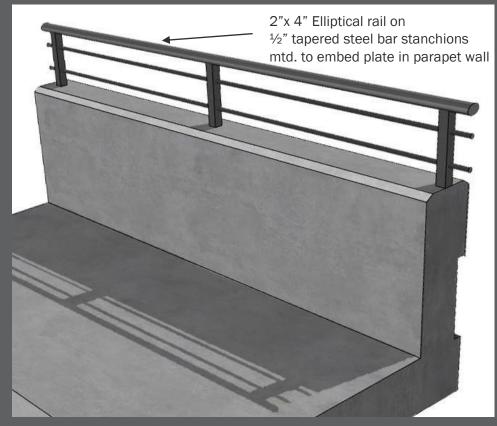
Anova- Allure Bike Rack

NOTE:

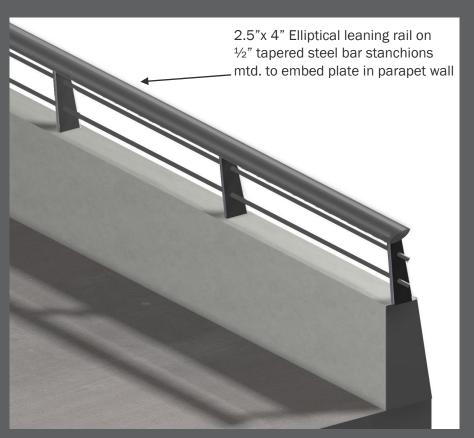
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Railings: Bridge Parapet and Approaches



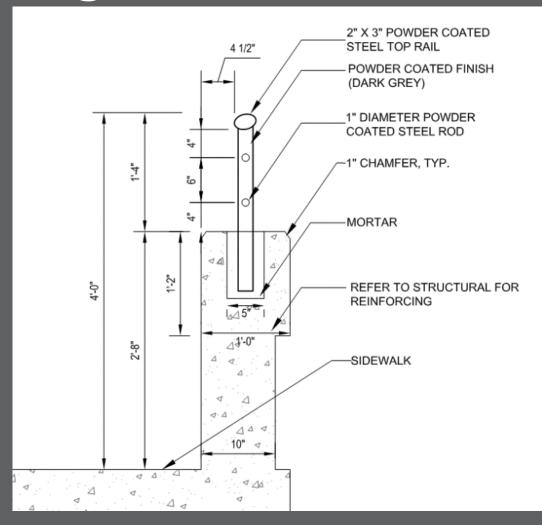
PROPOSED Axon View



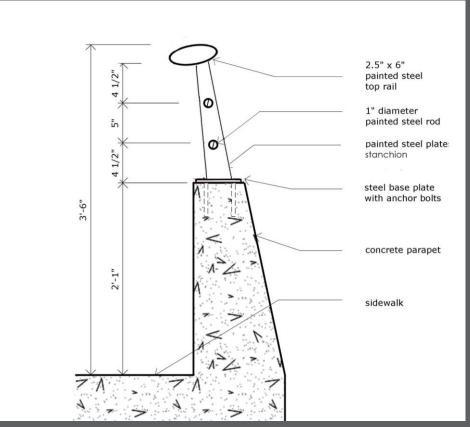
PREVIOUS Axon View



Railings: Bridge Parapet and Approaches

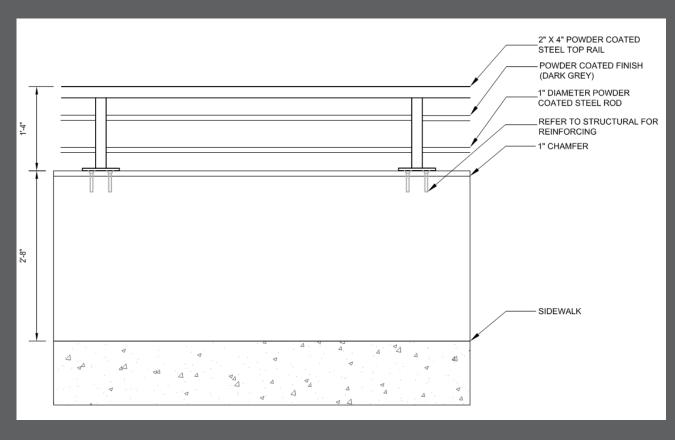


PROPOSED Section

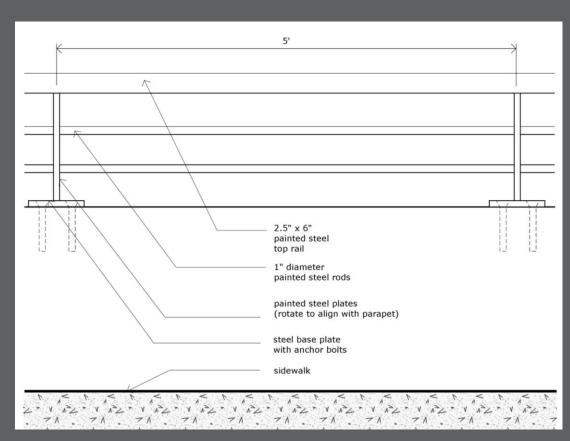


PREVIOUS Section

Railings: Bridge Parapet and Approaches



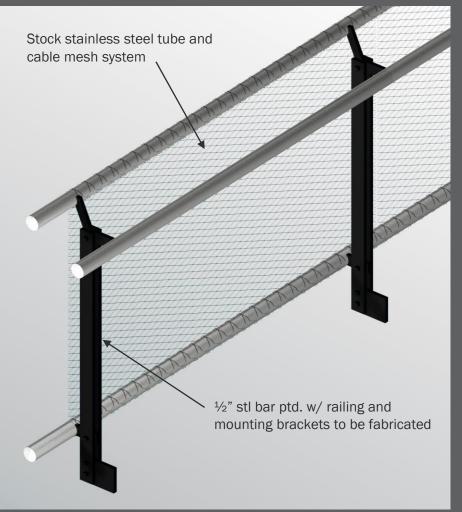
PROPOSED Elevation

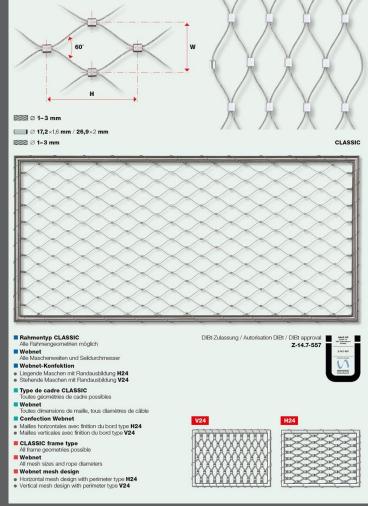


PREVIOUS Elevation



Railings: Stairs, Ramps and Mezzanine





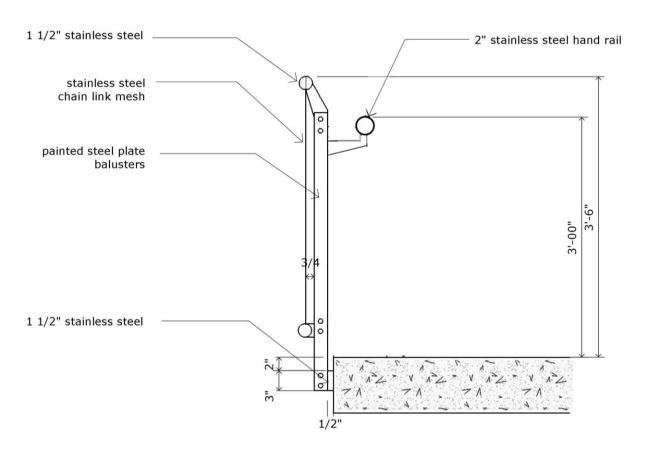


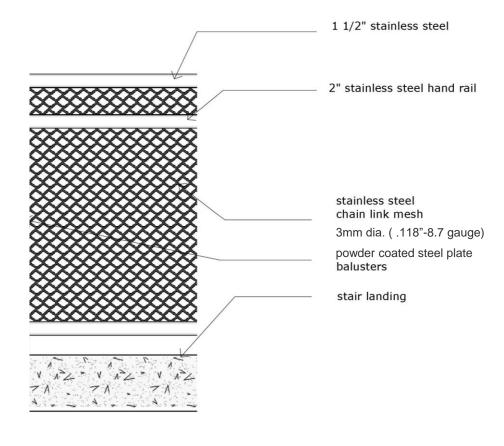
Axon of Railing and Brackets

Stock 'Jakob Rope System' w/ Frame



Railings: Stairs, Ramps and Mezzanine









Bike Runnel: At Concrete Stairs





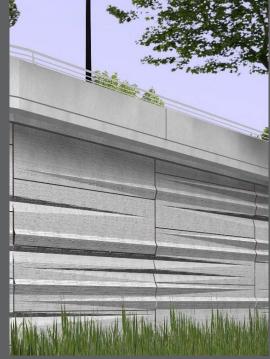
Precedent Image of Bike Runnel at stair cheek wall





Retaining Walls: Perspectives





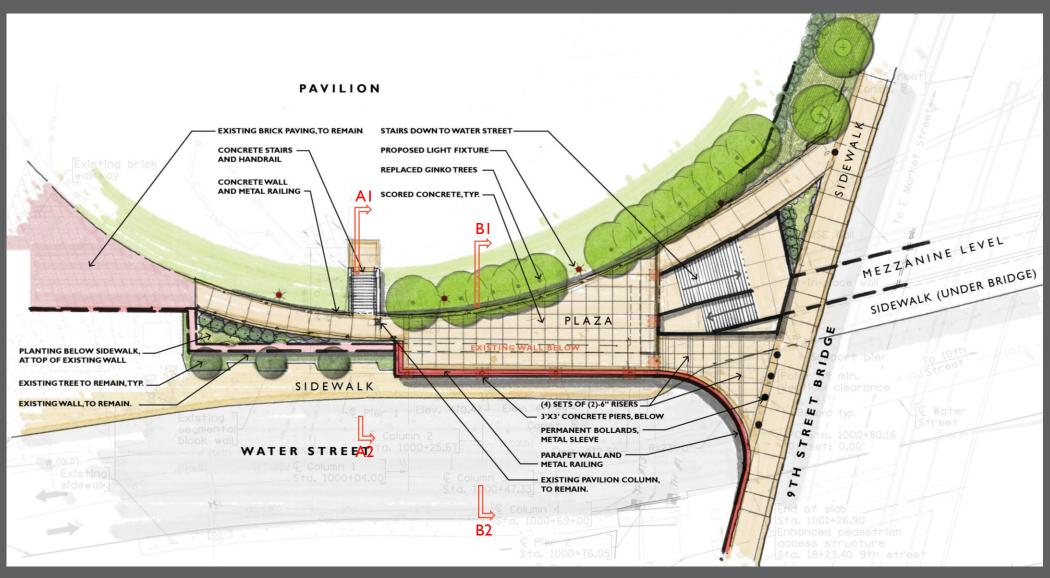
Panel Enlargement

☐ Color: Silversmoke 8084 Grey (Davis Colors)



Southwest Elevation of Bridge Wall

Knuckle Design: Site Plan

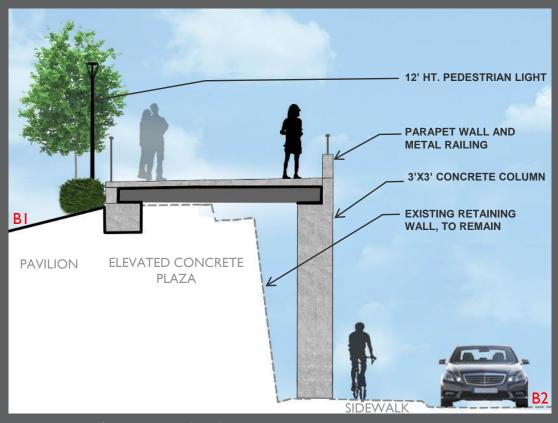




Knuckle Design: Illustrative Sections



Knuckle Section A1-A2 - Looking East



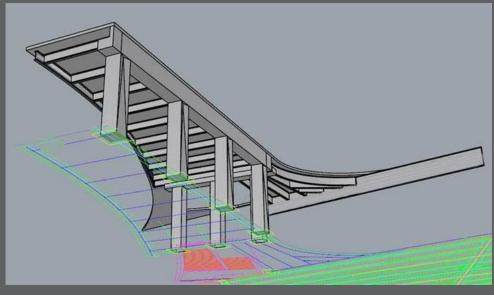
Knuckle Section B1-B2 - Looking East



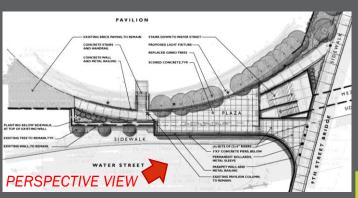
Knuckle Design: Perspectives



ILLUSTRATIVE VIEW OF KNUCKLE FROM WATER STREET-LOOKING EAST



VIEW OF KNUCKLE FROM BELOW – AXON VIEW



KEY PLAN



CSX Fencing



Buckingham Branch Railroad is tentatively supportive of elimination of the railroad fencing with the consideration of several stipulations:

- CCTV monitoring via video cameras on the bridge
- Liability agreement between the railroad companies and City (pending City Attorney review)
- Design of fencing including a bride design that will not preclude the installation
- CSX approval required (won't be known until just prior to construction)



CSX Fencing:





Application of Jakob System w/ curved tube frame





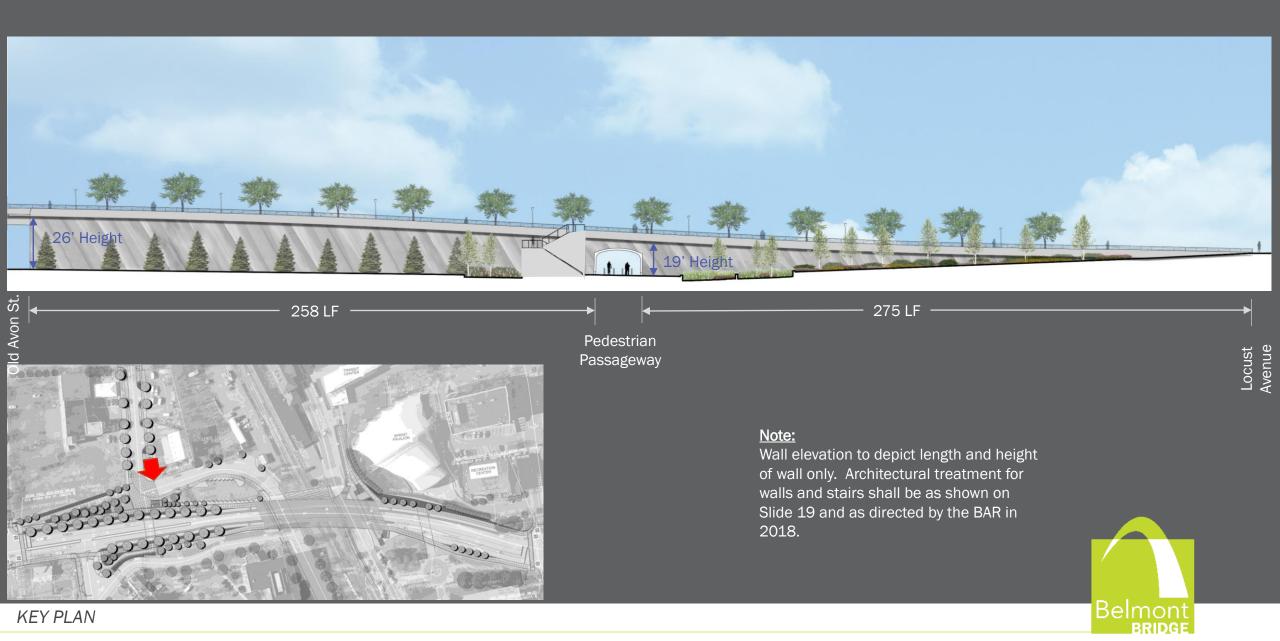




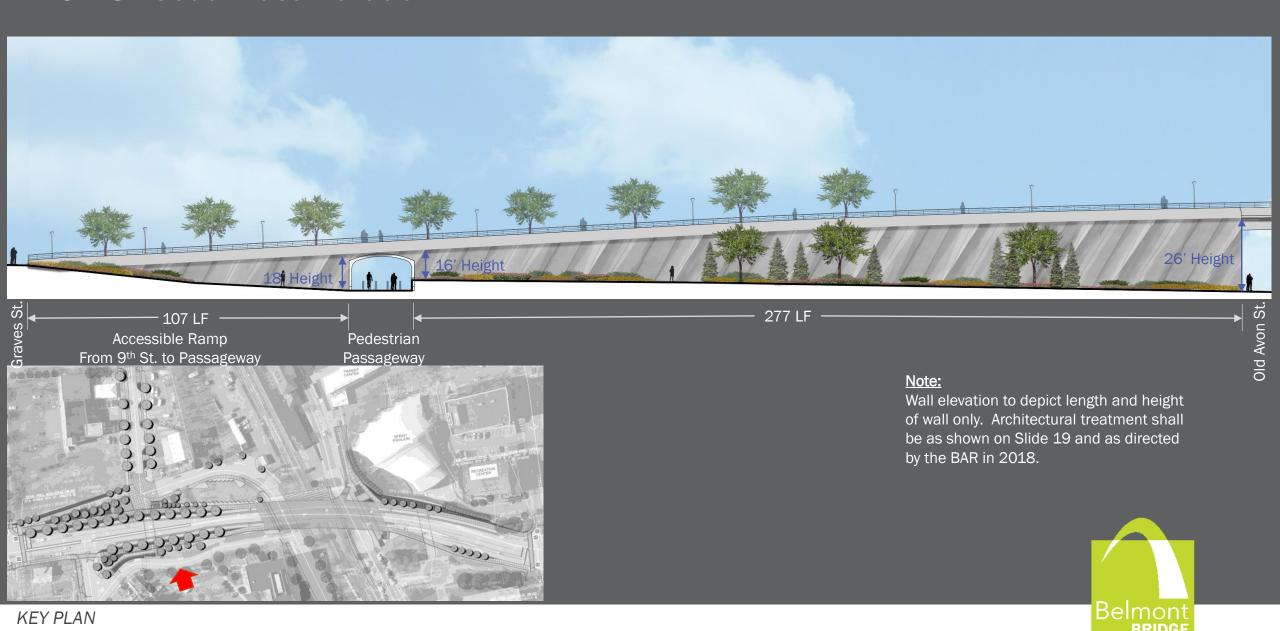
Thank you....



Walls: South West Elevation

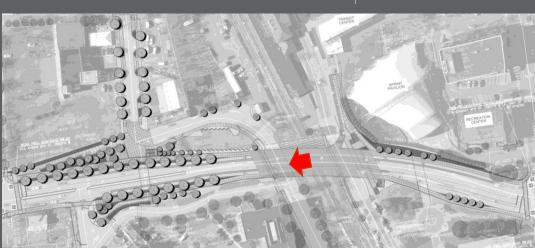


Walls: South East Elevation



Walls: South Abutment Elevations



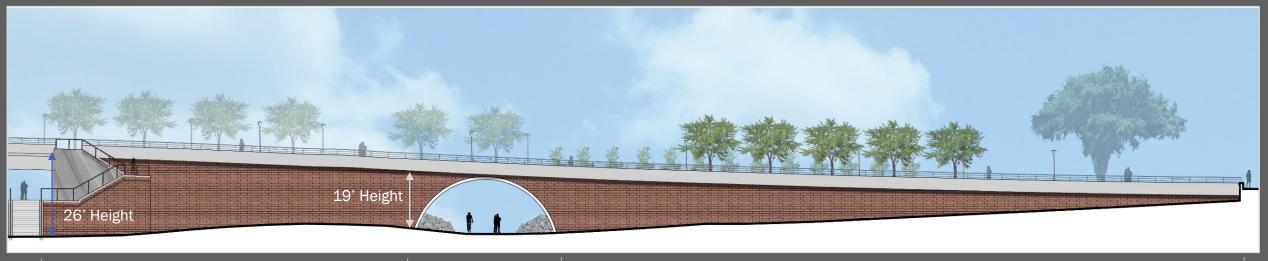


Note:

Abutment elevation to depict length and height of abutment only. Architectural treatment of abutment shall be as directed by the BAR in 2018.



Walls: North East Elevation



Stairs to Mezzanine
Level and 9th St.

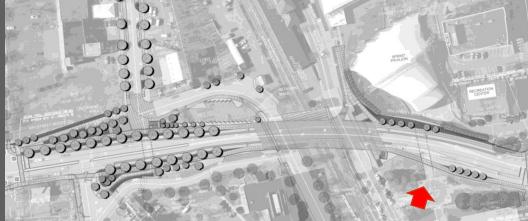
Existing
Passageway

Private Sidewalk from 9th St. to Existing Passageway and to Water St.

224 LF

Note:

Wall elevation to depict length and height of wall only. Architectural treatment for walls and stairs shall be as shown on Slide 19 and as directed by the BAR in 2018.

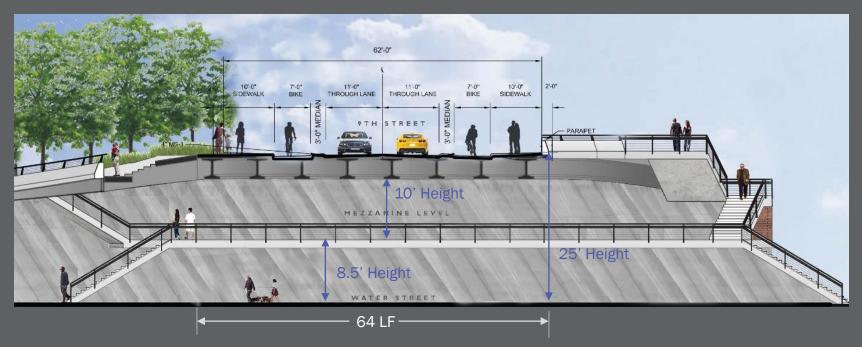


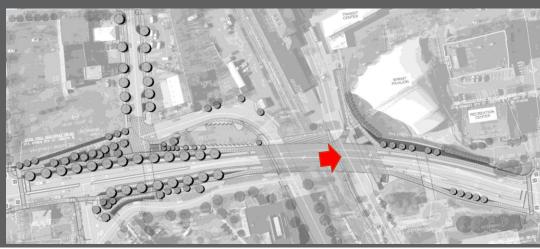


E. Market St.

KEY PLAN

Walls: North Abutment Elevations





Note:

Abutment elevation to depict length and height of abutment only. Architectural treatment of abutment shall be as directed by the BAR in 2018.

