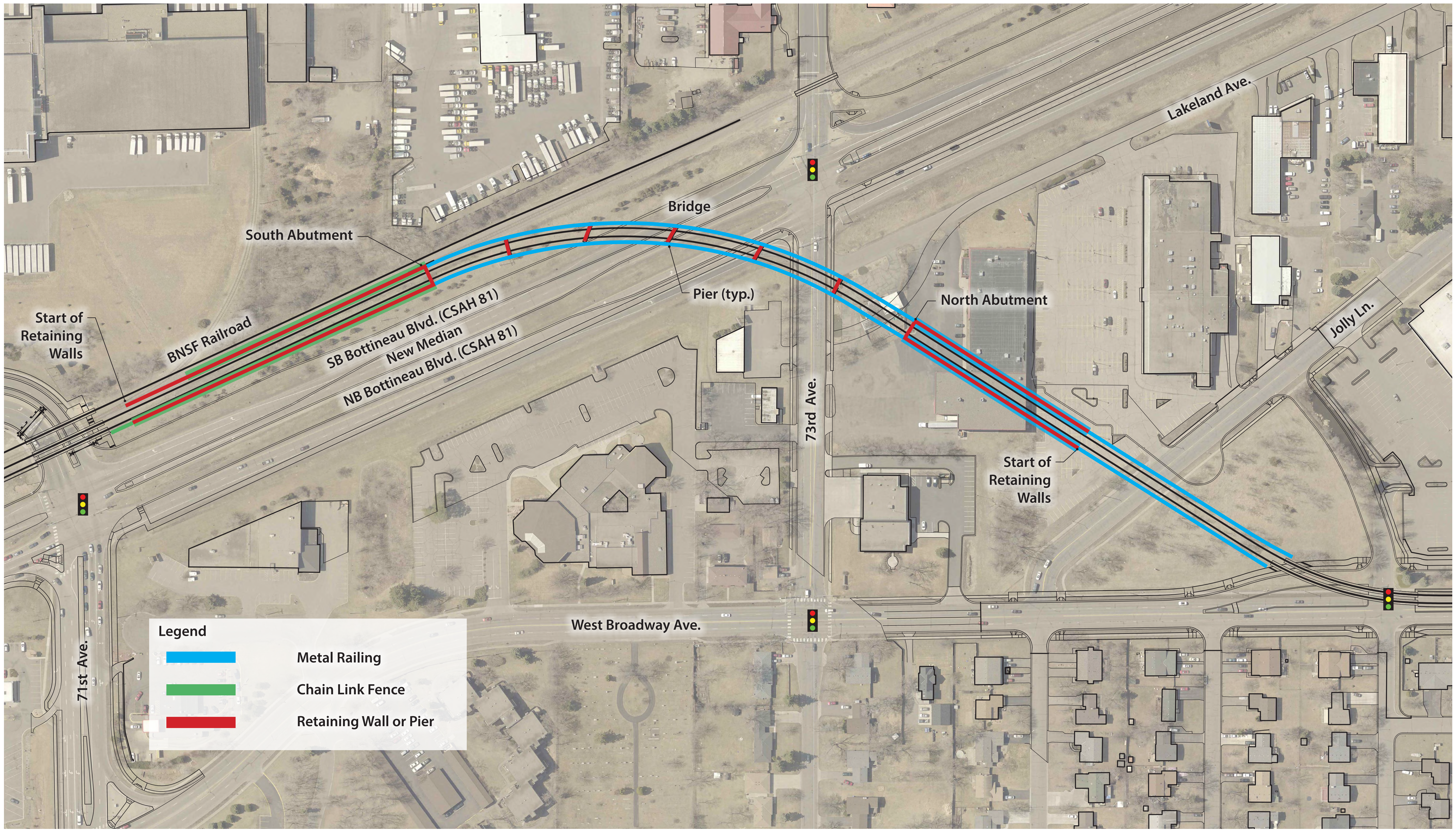


# Visual Quality LRT Bridge over Bottineau Blvd. and 73rd Ave. and Approach Retaining Walls





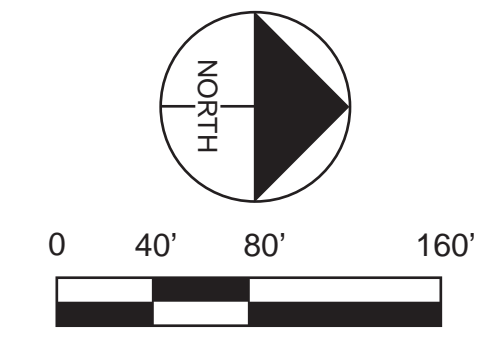
**Legend**

- Metal Railing
- Chain Link Fence
- Retaining Wall or Pier



**BLUE LINE LRT EXTENSION**  
 CITY OF BROOKLYN PARK  
 LRT BRIDGE OVER BOTTINEAU BLVD. AND 73RD AVE.  
 POST 60% PROPOSED PLAN RAILING/FENCE EXTENTS

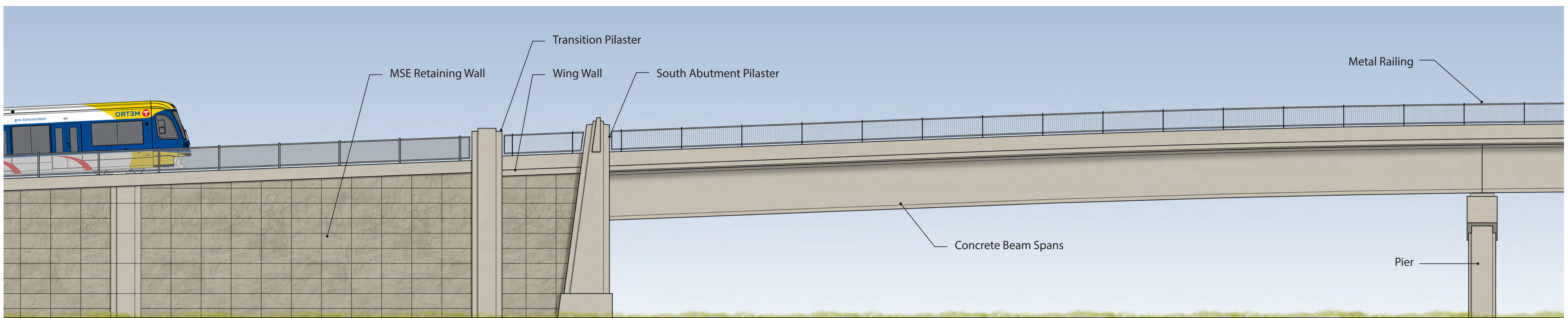
Rev 1  
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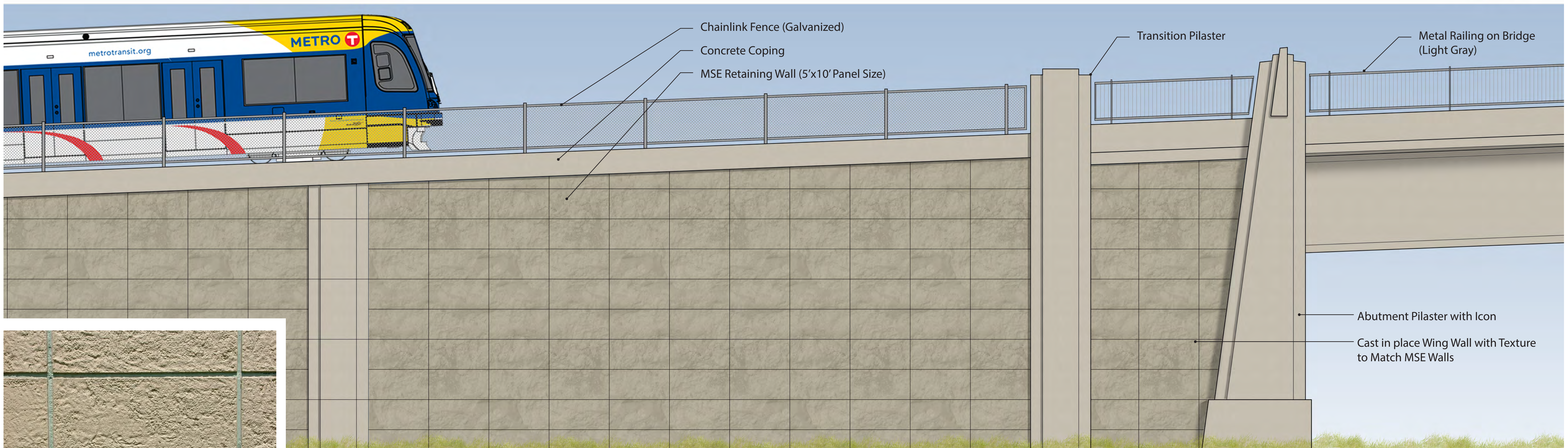
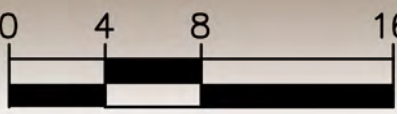
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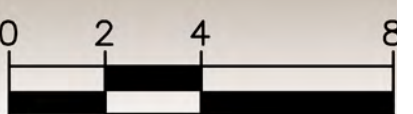




South Abutment Elevation (Viewed from Bottineau Blvd.) Note: Wall on Opposite Side along BNSF Railroad will be Cast-in-Place Concrete



South Abutment Elevation Detail



2.5'x5' Grid with "Limestone" Texture



**BLUE LINE LRT EXTENSION**  
 CITY OF BROOKLYN PARK  
 LRT BRIDGE OVER BOTTINEAU BLVD. AND 73RD AVE.- CONCEPT B

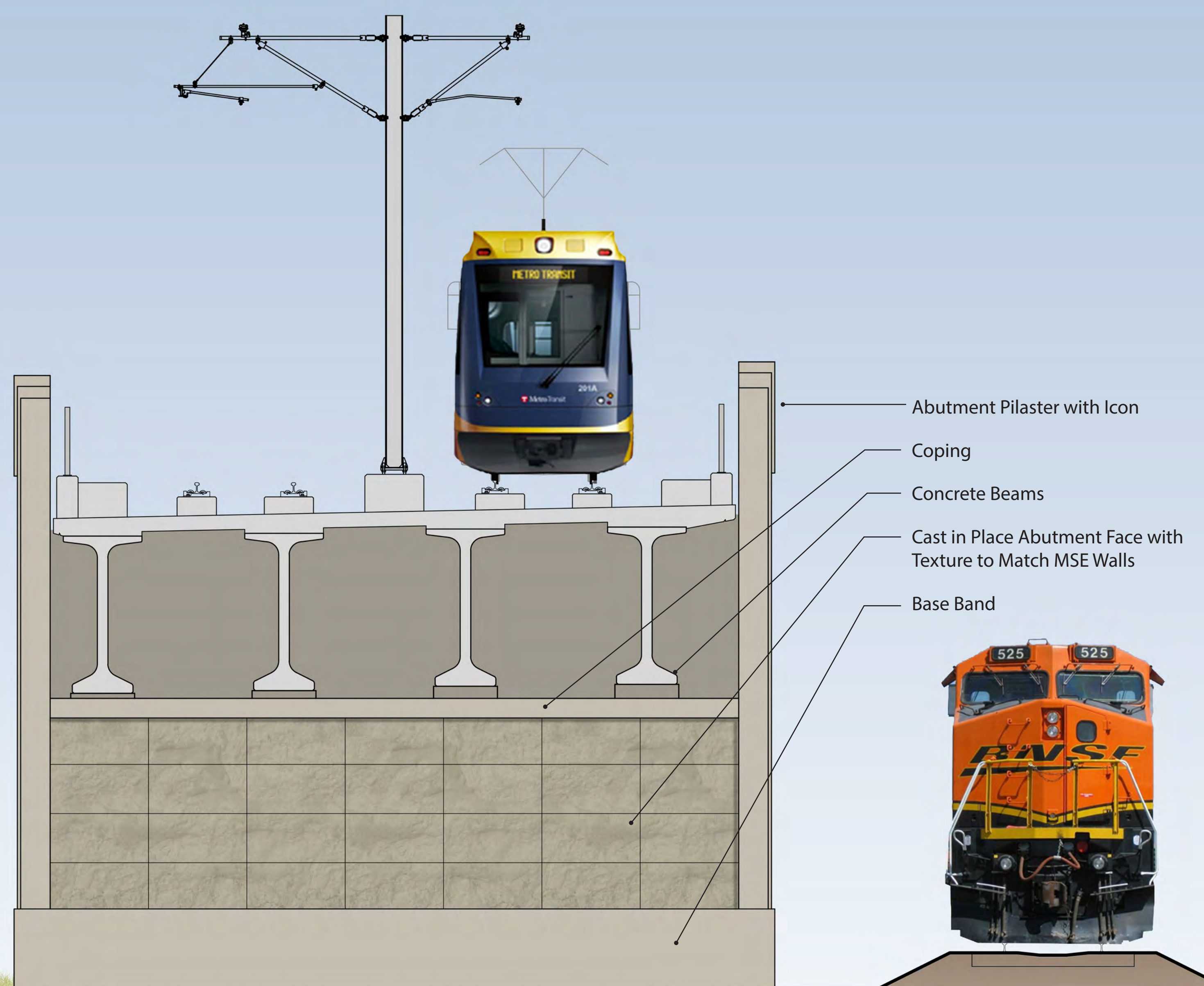
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BNSF Right of Way



- Abutment Pilaster with Icon
- Coping
- Concrete Beams
- Cast in Place Abutment Face with Texture to Match MSE Walls
- Base Band

SB Bottineau Blvd.

BNSF

Abutment Elevation Detail



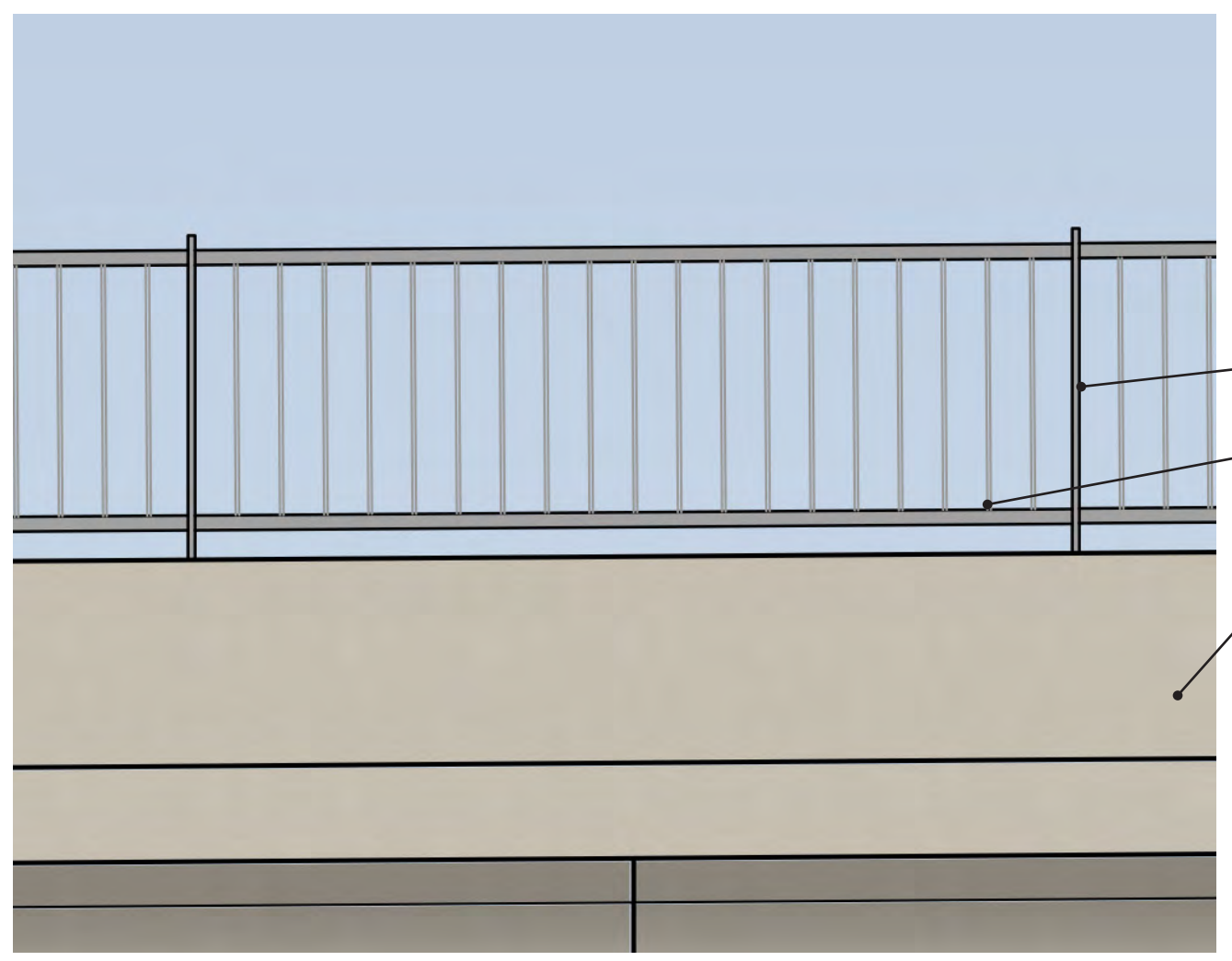
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 CITY OF BROOKLYN PARK  
 LRT BRIDGE OVER BOTTINEAU BLVD. AND 73RD AVE.- CONCEPT B

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 08/10/2016



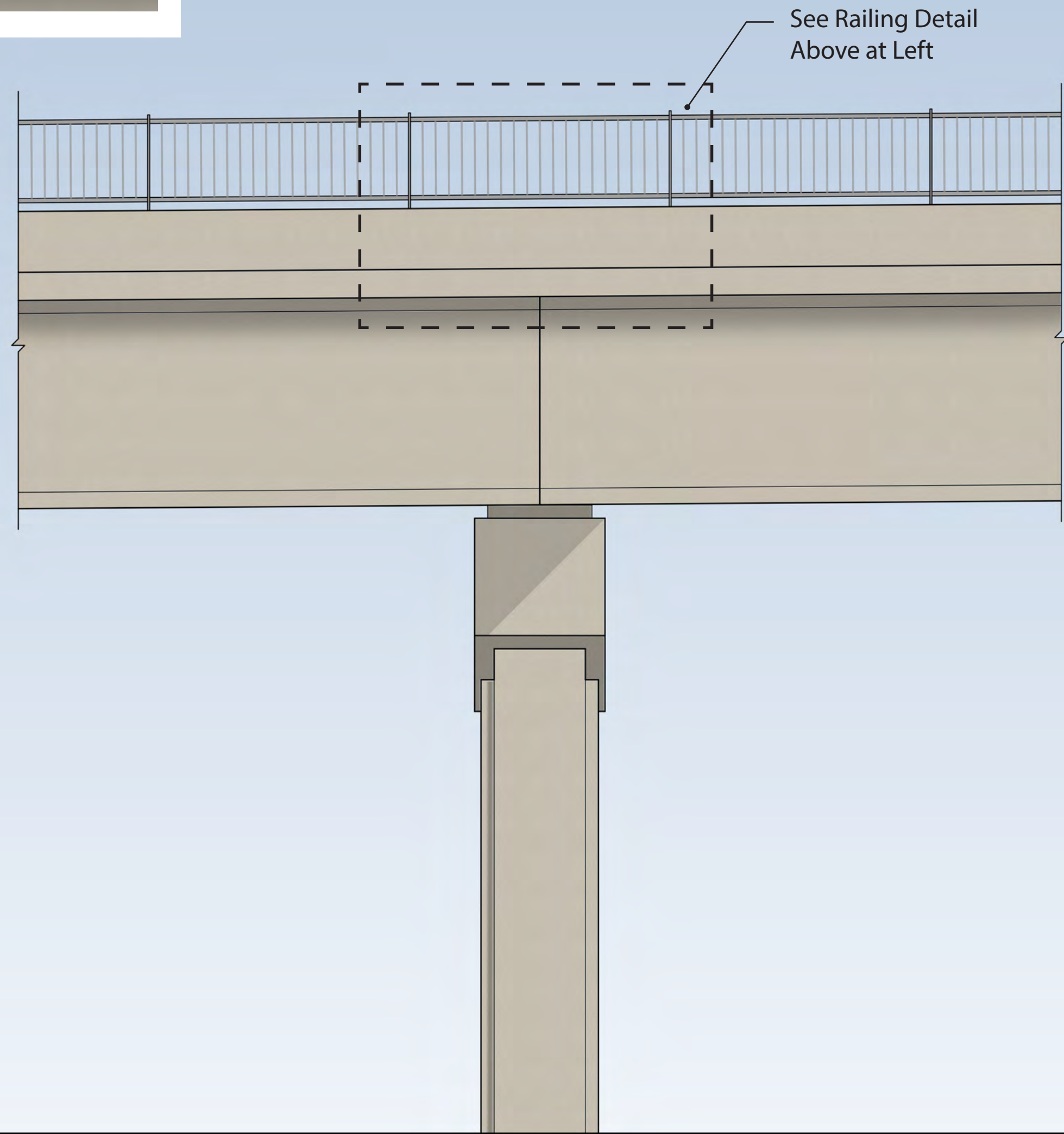
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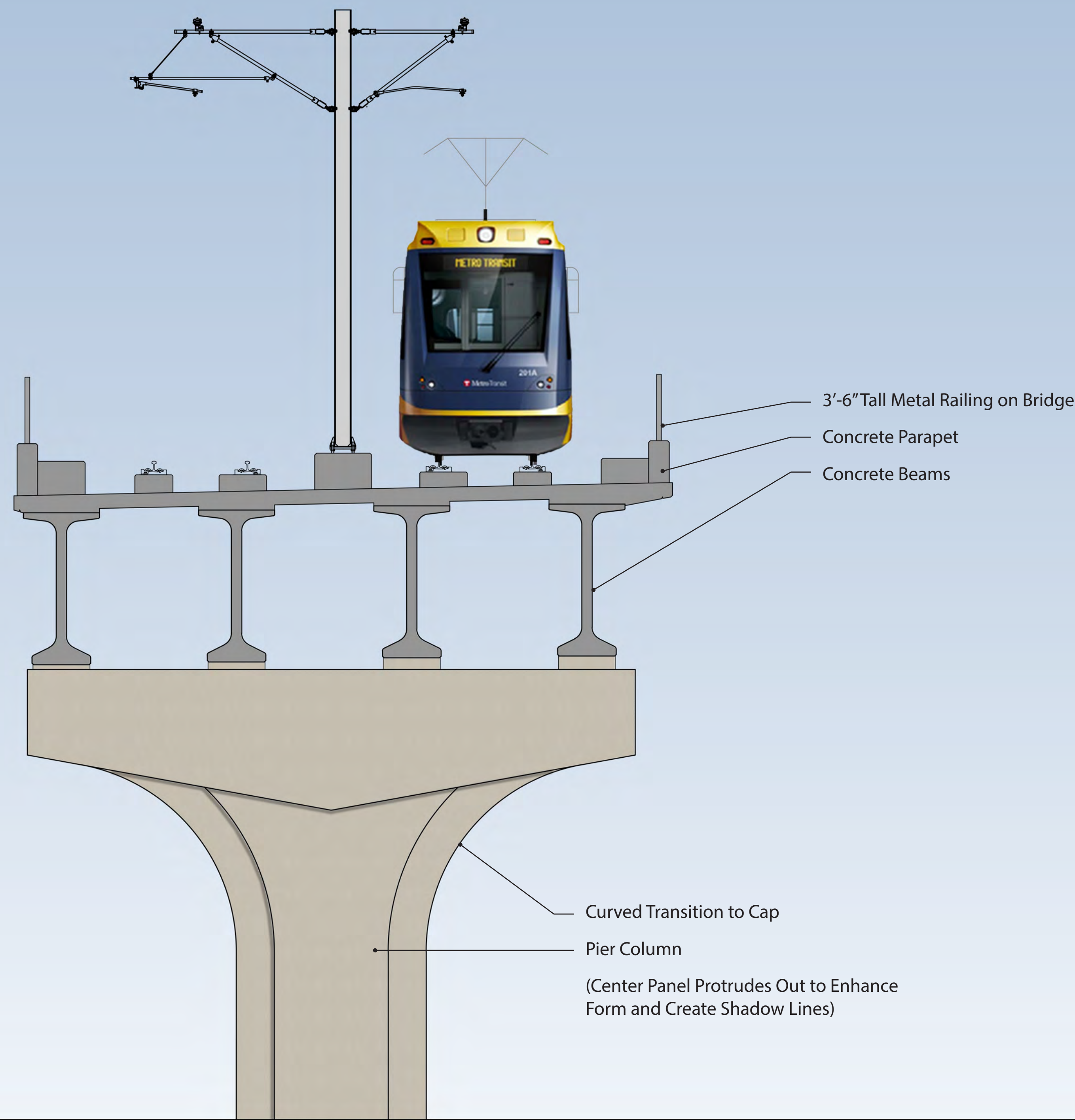
3'-6" Tall Metal Railing (Light Gray)  
 Vertical Picket Style  
 Concrete Parapet

Concept B - Railing Detail



See Railing Detail  
 Above at Left

Concept B - Pier Form Detail



3'-6" Tall Metal Railing on Bridge  
 Concrete Parapet  
 Concrete Beams

Curved Transition to Cap  
 Pier Column  
 (Center Panel Protrudes Out to Enhance  
 Form and Create Shadow Lines)



**BLUE LINE LRT EXTENSION**  
 CITY OF BROOKLYN PARK  
 LRT BRIDGE OVER BOTTINEAU BLVD. AND 73RD AVE.- CONCEPT B

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View 1 - Looking Northwest on Bottineau Blvd.



**BLUE LINE LRT EXTENSION**  
 CITY OF BROOKLYN PARK  
 LRT BRIDGE OVER BOTTINEAU BLVD. AND 73RD AVE. - SCHEMATIC BRIDGE MODEL

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View 2 - Looking Northwest on Bottineau Blvd. at 73rd Ave.



**BLUE LINE LRT EXTENSION**  
 CITY OF BROOKLYN PARK  
 LRT BRIDGE OVER BOTTINEAU BLVD. AND 73RD AVE. - SCHEMATIC BRIDGE MODEL

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View 3 - Looking Southeast on Bottineau Blvd.



**BLUE LINE LRT EXTENSION**  
 CITY OF BROOKLYN PARK  
 LRT BRIDGE OVER BOTTINEAU BLVD. AND 73RD AVE. - SCHEMATIC BRIDGE MODEL

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**View 4 - Looking Southeast from Crystal Lake Trail**



**BLUE LINE LRT EXTENSION**  
 CITY OF BROOKLYN PARK  
 LRT BRIDGE OVER BOTTINEAU BLVD. AND 73RD AVE. - SCHEMATIC BRIDGE MODEL

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View 5 - Looking West on 73rd Ave.



**BLUE LINE LRT EXTENSION**  
 CITY OF BROOKLYN PARK  
 LRT BRIDGE OVER BOTTINEAU BLVD. AND 73RD AVE. - SCHEMATIC BRIDGE MODEL

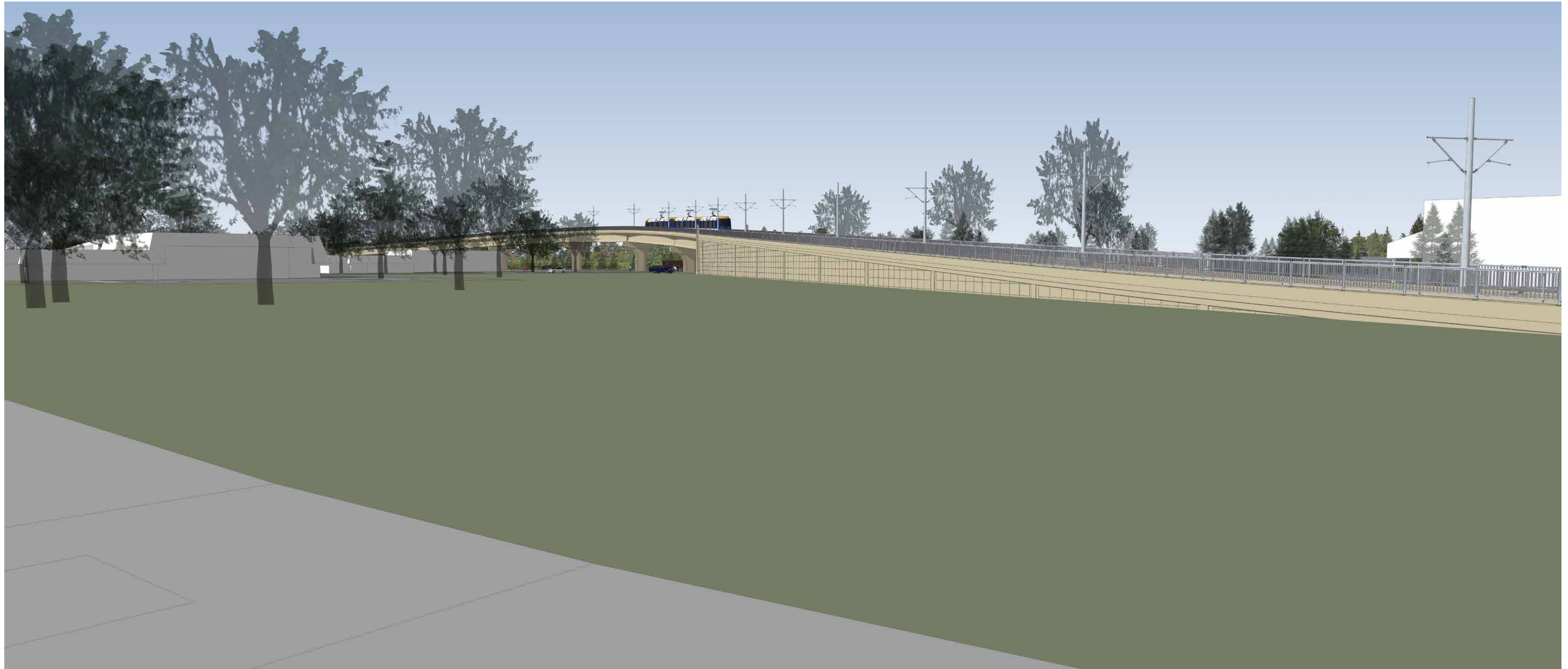
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View 6 - Looking Southwest from West Broadway Ave.



**BLUE LINE LRT EXTENSION**  
CITY OF BROOKLYN PARK  
LRT BRIDGE OVER BOTTINEAU BLVD. AND 73RD AVE. - SCHEMATIC BRIDGE MODEL

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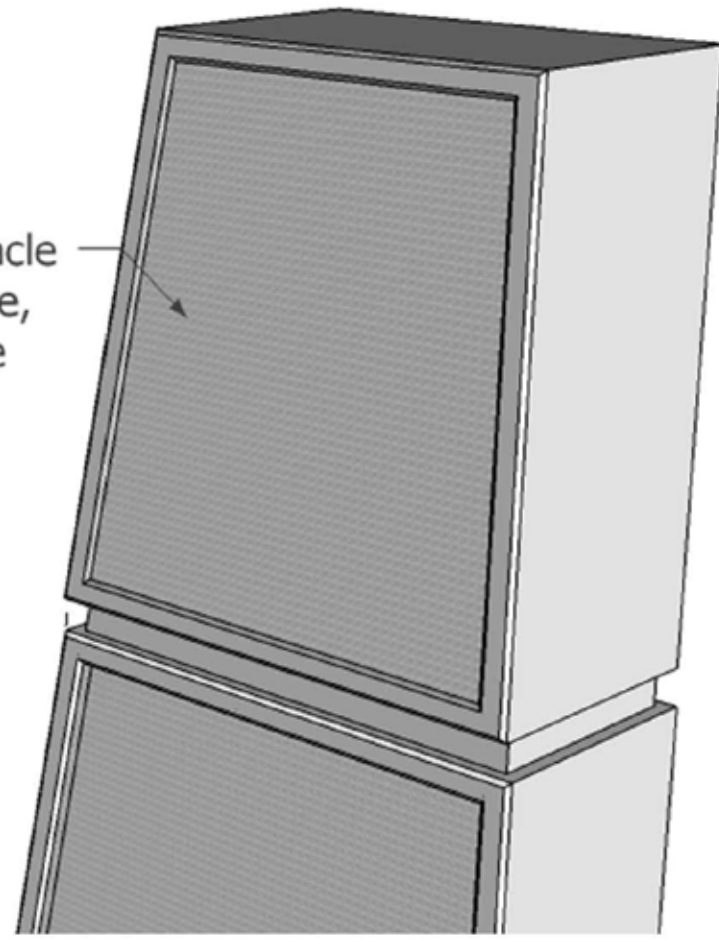
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**Pilaster Pinnacle Detail**

Both sides of pinnacle to have same frame, recess and surface finish.



Standard safety fence/fence on bridge Parapet and adjacent wing wall/ and retaining wall.

Pilaster point of beginning

Top of pilaster is horizontal and equal to highest point on adjacent bridge curb or retaining wall coping immediately beyond.

4' 6"      2'-6"

Standard wall coping

Standard texture on all exposed wing wall and retaining wall surfaces

9.2 degrees

Bridge superstructure

Pilaster base

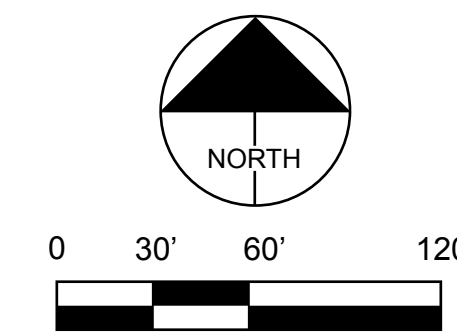
Standard texture on all exposed abutment wall surfaces

**Southwest Light Rail Abutment Design**



**BLUE LINE LRT EXTENSION**  
 CITY OF BROOKLYN PARK  
 LRT BRIDGE OVER BOTTINEAU BLVD. AND 73RD AVE. - PRECEDENTS

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