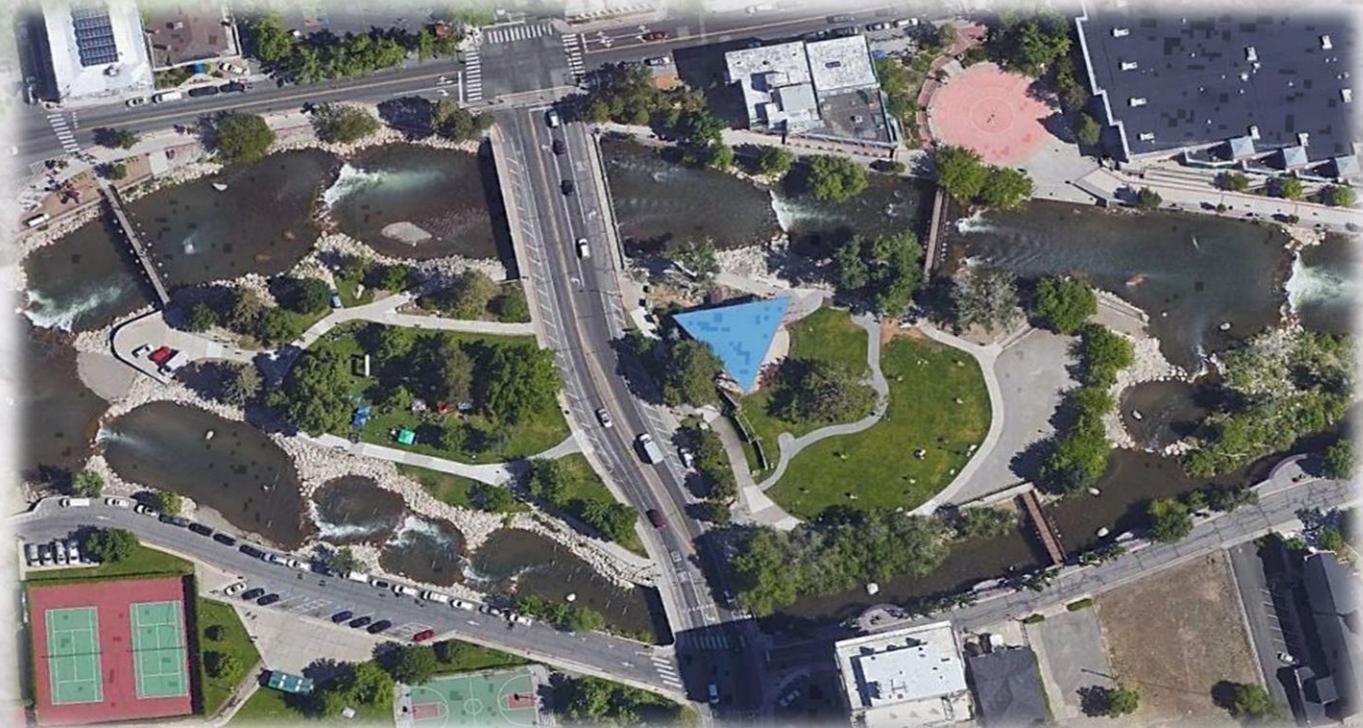


Design and Environmental Study For



ARLINGTON AVENUE BRIDGES REPLACEMENT

Aesthetics Working Group Meeting #3 | May 6, 2022

Today's Agenda

- ✓ Meeting Goals and Objectives
- ✓ Project Status and Updates
- ✓ Overall Bridge Elevations
- ✓ Selected Bridge Elements for Discussion
 - ✓ Bridge Rails
 - ✓ Overlooks and Center Pier
 - ✓ End Pylons
 - ✓ Lighting
 - ✓ Pilaster Insets
- ✓ Plaza Street Between Bridges - Concept and Park Stair Access
- ✓ Next Steps
- ✓ Public Meeting: July 2022

Project Status and Updates

- ▶ Structure Type Has Been Determined To Be Precast Box Beams
- ▶ Street/Sidewalk Lighting Requirements:
 - ❑ Sidewalk Minimum Lighting Standards
 - ❑ Street Lighting Proposed To Be Same As On Existing Bridges
- ▶ Potential Path Under South Bridge - Determined Infeasible Because:
 - ❑ Tunnel Would Be Unsafe
 - ❑ Overall Grading Impacts To Park
 - ❑ Environmental Impacts to Trees In Park
 - ❑ Utility Impacts
 - ❑ Lower Wall Elevation = Higher Maintenance
 - ❑ Kayak Park Impacts
 - ❑ Longer Structure Required Would Be More Expensive
- ▶ Roadway/Bridge Typical Sections Have Been Developed

Overall Bridge Elevation Options



Overall Bridge Option 1 - Texas DOT Concrete Bridge Rail/Parapet

Overall Bridge Elevation Options



Overall Bridge Option 2 - Metal Vehicular Bridge Rail with Metal Pedestrian Fence

Selected Bridge Elements – Bridge Rail



Option 1 - Texas DOT Concrete Bridge Rail/Parapet



Option 2A - Metal Vehicular Bridge Rail with Metal Pedestrian Fence - Chevrons Up



Option 2B - Metal Vehicular Bridge Rail with Metal Pedestrian Fence - Chevrons Down

Selected Bridge Elements – Overlooks



Option 1 - Overlook with Texas DOT Concrete Bridge Rail/Parapet



Option 2 - Overlook with Metal Vehicular Bridge Rail with Metal Pedestrian Fence

Selected Bridge Elements – Overlooks/Center Pier

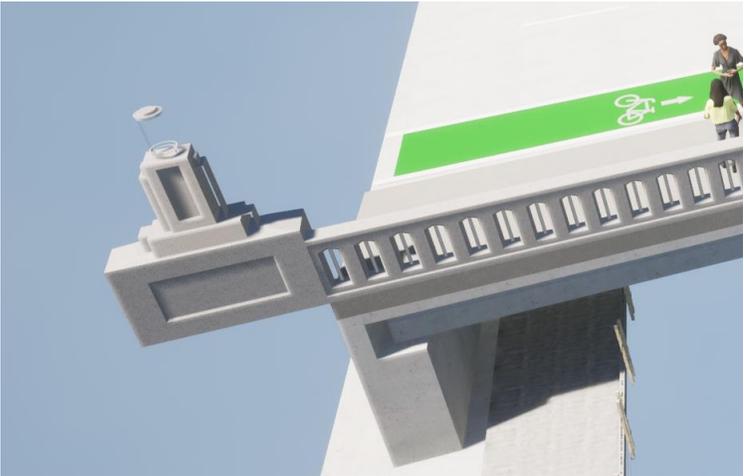


Option 1 - Overlook with Texas DOT Concrete Bridge Rail/Parapet, Brackets and Center Pier Treatment

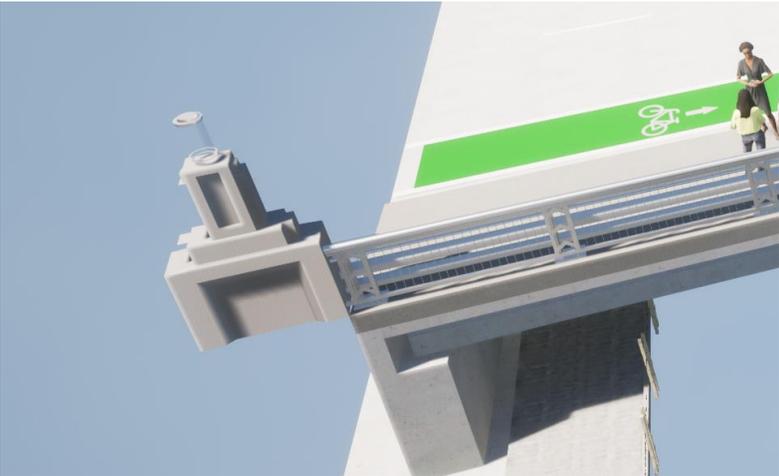


Option 2 - Overlook with Metal Vehicular Bridge Rail with Metal Pedestrian Fence, Brackets and Center Pier Treatment

Selected Bridge Elements – End Pylons



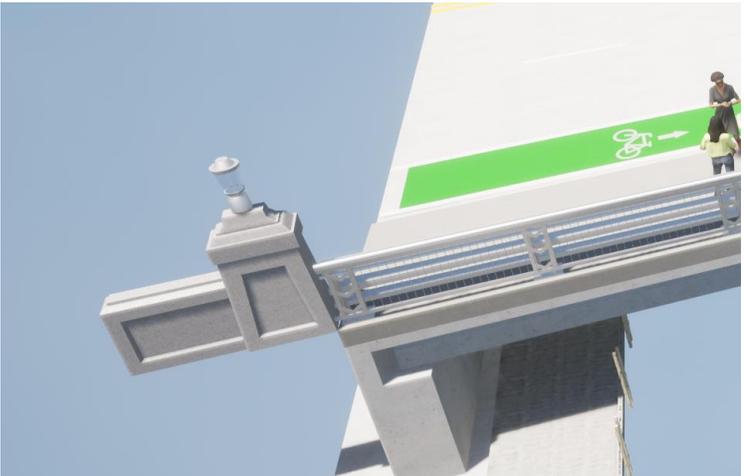
End Pylon - Option 1



End Pylon - Option 2



End Pylon - Option 3



End Pylon - Option 4



End Pylon - Option 5



End Pylon - Option 6

Selected Bridge Elements – Lighting



Option 1 - Forms+Surfaces LED Post-Top Luminaire with 14' Mounting Height on Mid-Bridge Pilasters



Option 2 - Custom Riverwalk-Inspired Column Mounted Luminaire with 14' Mounting Height on Mid-Bridge Pilasters

Selected Bridge Elements – Lighting



Bridge Rail Option 2 with Metal Vehicular Bridge Rail with Metal Pedestrian Fence, Forms+Surfaces LED Post-Top Luminaire on Mid-Bridge Pilasters and Under Top Rail Lighting

Selected Bridge Elements – Lighting



End Pylon Option 1 with Custom Luminaires and Forms+Surfaces LED Post-Top Luminaire on Mid-Bridge Pilasters



End Pylon Option 2 with Custom Luminaires and Forms+Surfaces LED Post-Top Luminaire on Mid-Bridge Pilasters and Under Top Rail Lighting

Selected Bridge Elements – Lighting



End Pylon Option 3 with Custom Luminaires and Forms+Surfaces LED Post-Top Luminaire on Mid-Bridge Pilasters and Under Top Rail Lighting



End Pylon Option 4 with Custom Luminaires and Forms+Surfaces LED Post-Top Luminaire on Mid-Bridge Pilasters and Under Top Rail Lighting

Selected Bridge Elements – Lighting

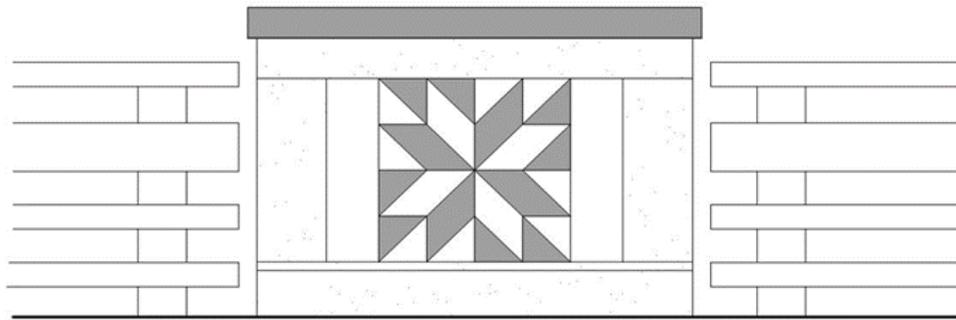


End Pylon Option 5 with Custom Riverwalk-Inspired Column Luminaires and on Mid-Bridge Pilaster-Mounted Columns and Under Top Rail Light

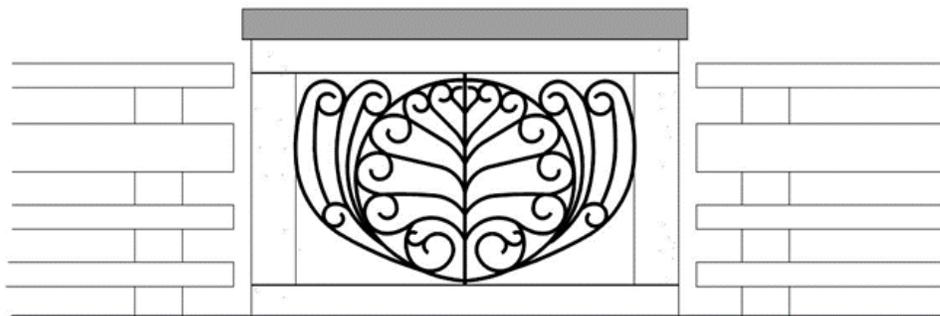


End Pylon Option 6 with Custom Luminaires and Forms+Surfaces LED Post-Top Luminaire on Mid-Bridge Pilasters and Under Top Rail Lighting

Bridge Element: Pilaster Insets

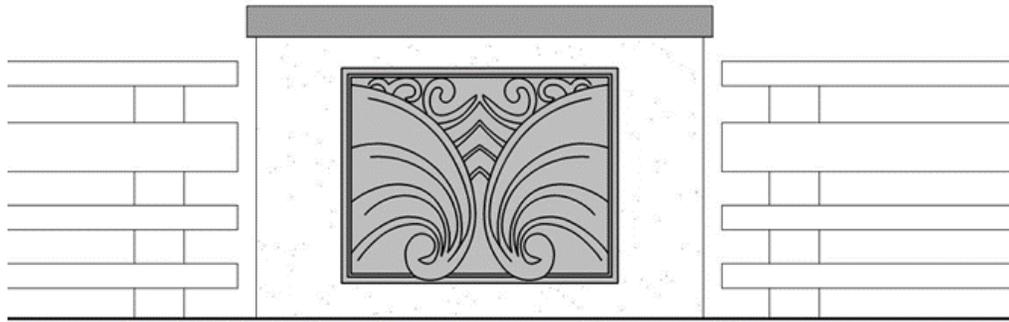


Fired Ceramic Tile or
Glass Mosaics

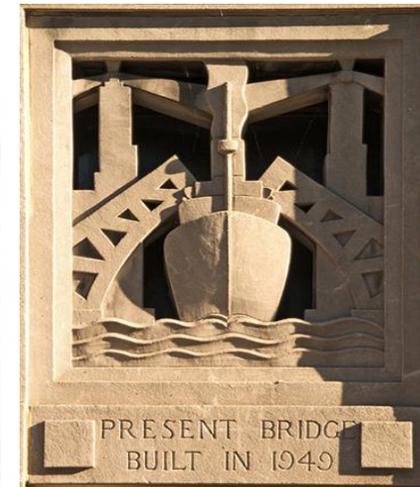
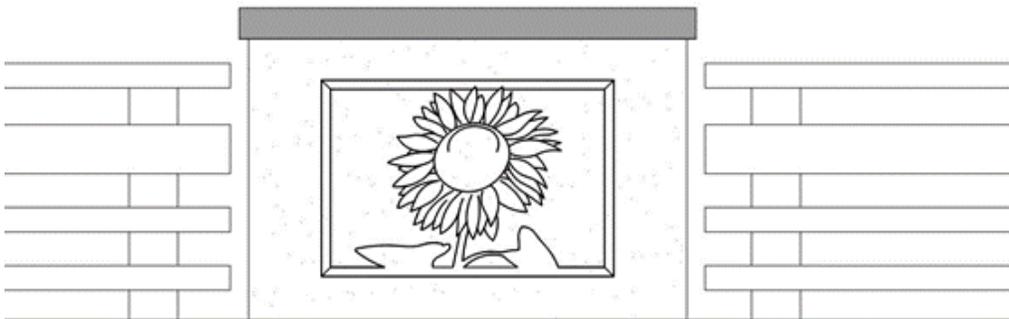


Welded or Cast
Metal Work

Bridge Element: Pilaster Insets

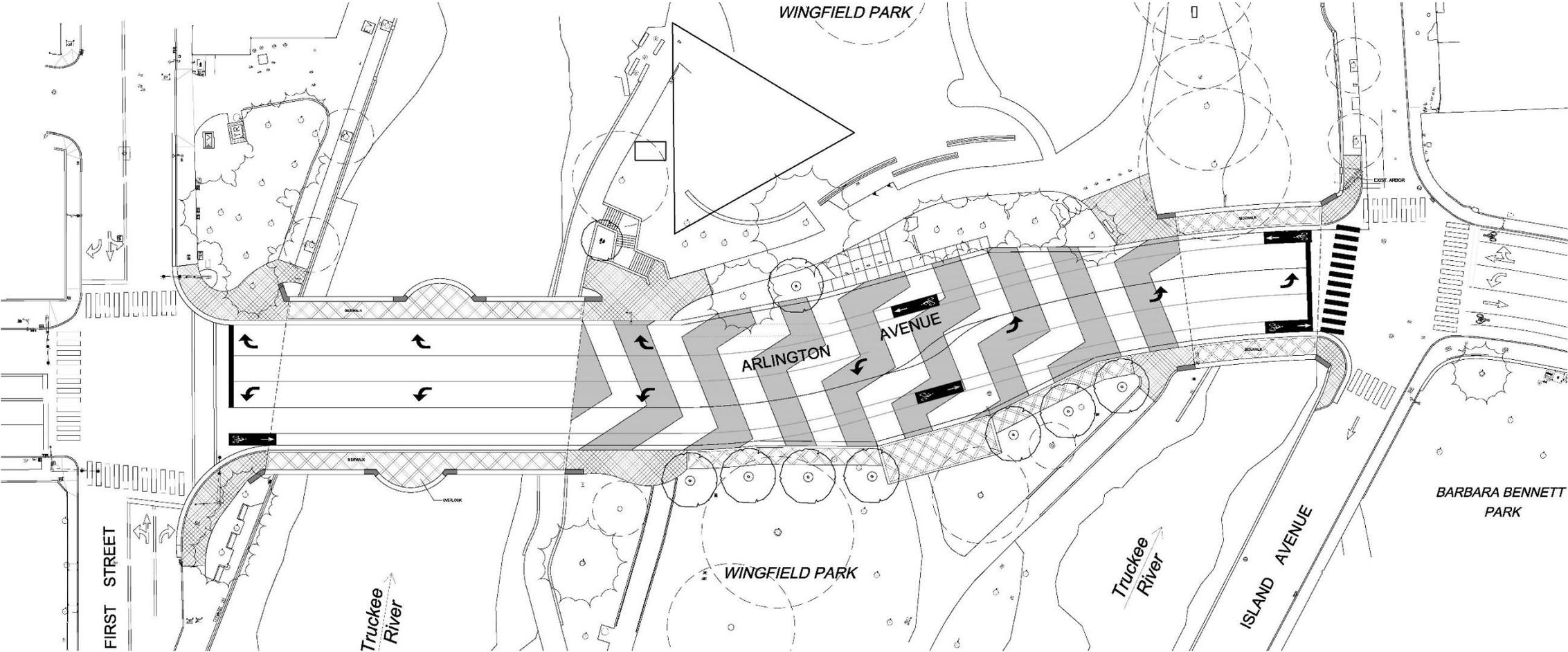


Polychrome or
Monochrome Terra Cotta

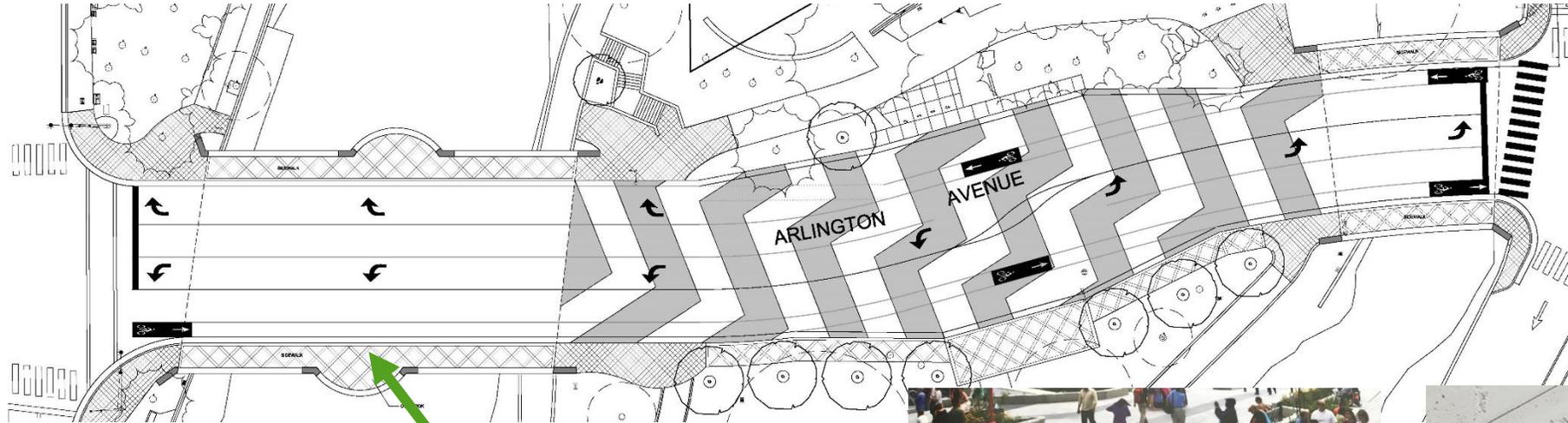


Tinted or Untinted
Precast Concrete Panel

Plaza Street Between Bridges - Concept and Park Stair Access



Plaza Street Between Bridges - Concept and Park Stair Access



Gray Colored Concrete on Bridge
Sidewalks with Diagonal
Joints/Sawcuts Accents



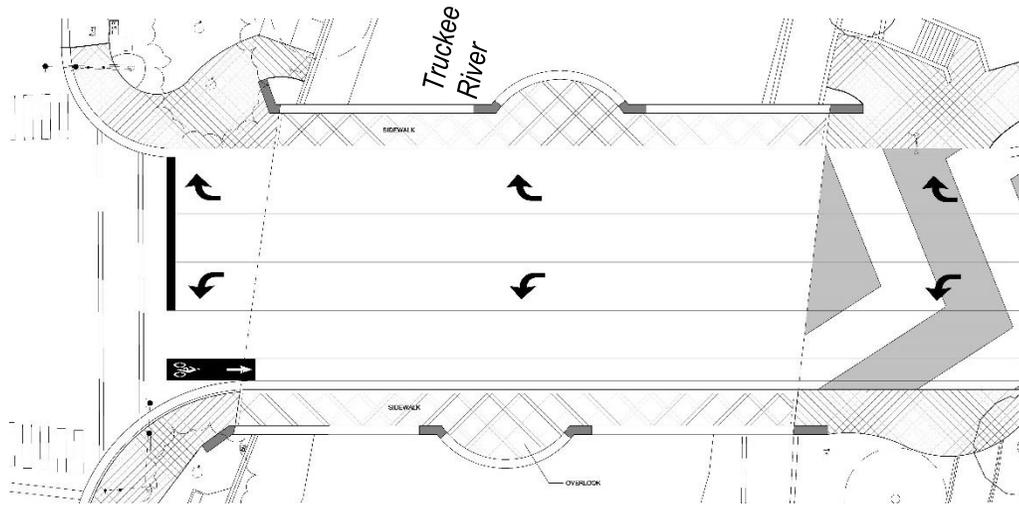
A - Diagonal 'Chevron' Pattern



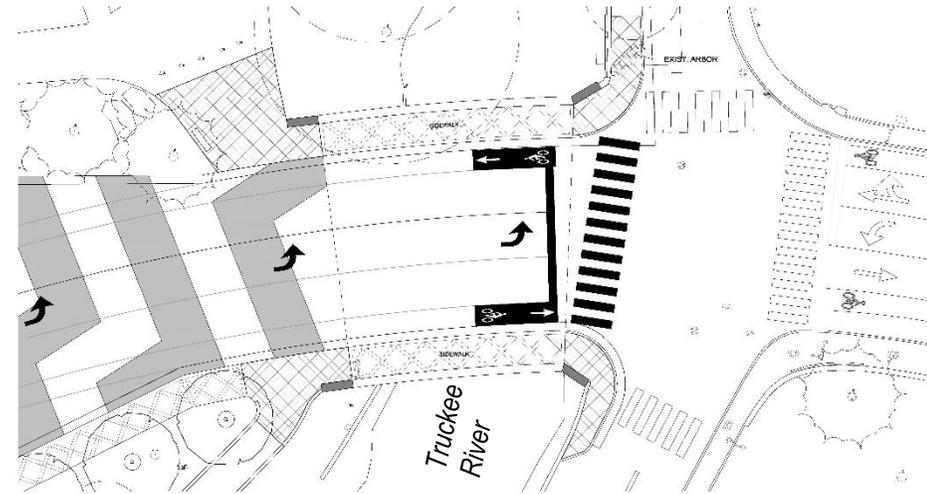
B-Diagonal 'Chevron' Pavers

Plaza Street - Joins Park West and East Across Street -
Permeable Concrete Pavers in Street and Possibly Off Bridge
Sidewalks for Stormwater Infiltration

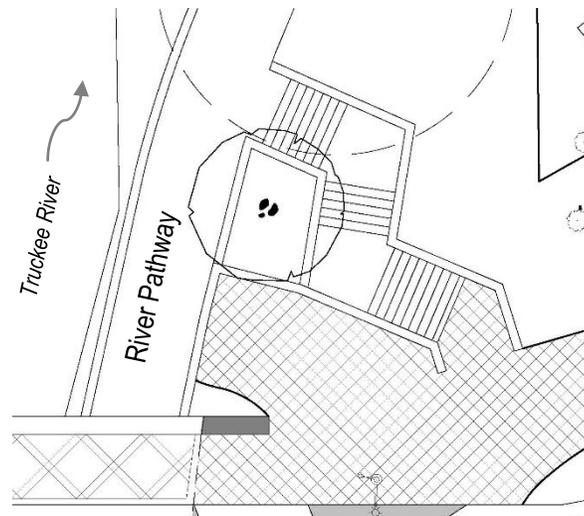
Plaza Street Between Bridges - Concept and River Pathway/Park Stair Access



North Bridge Plan Enlargement

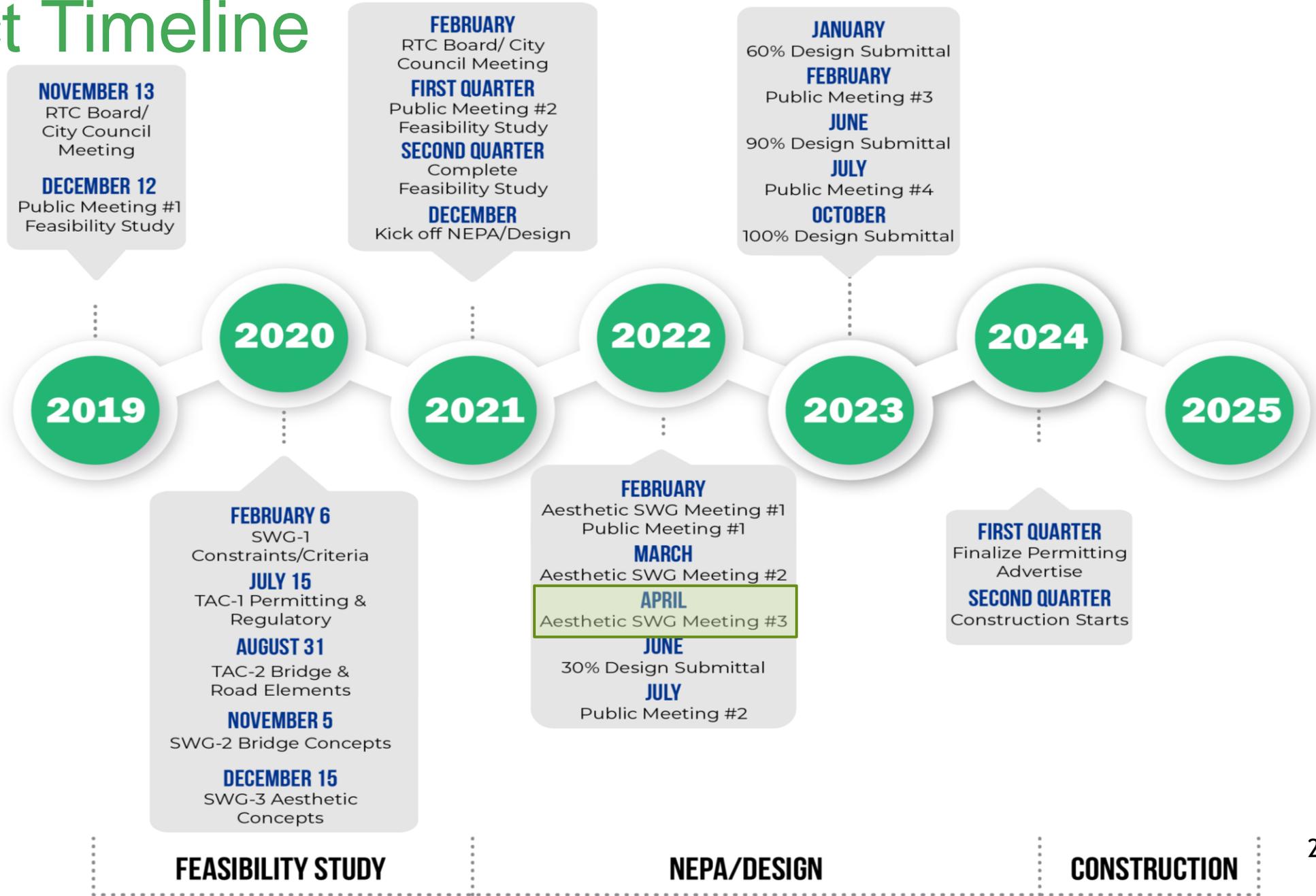


South Bridge Plan Enlargement



North Bridge Stair Connection Down To River Pathway and Park at Southeast Corner

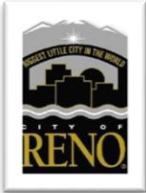
Project Timeline



Thank You for Participating!



Barb.Santner@stantec.com



*Building A Better Community
Through Quality Transportation.*
rtcwashoe.com



Jacobs



PK Electrical, Inc.

