

February 14, 2023 - Design Review Meeting #10



Meeting Summary

Project: Arlington Avenue Bridges	Date: February 14, 2023 1 PM
Topics: <ul style="list-style-type: none"> • Review Existing Bridge Railings and Sidewalks in Surrounding Area Context • Review Proposed Arlington Bridge and Pedestrian Fencing/Railing Materials, Colors, and Finishes • Review Arlington Bridge Sidewalk Paving Patterns, Colors, and Finishes • Schedule • Open Discussions/Discussion 	Location: Virtual - Microsoft Teams Meeting

Participants

Judy Tortelli – RTC Project Manager	Sara Going - RTC
Khalil Wilson - City of Reno Engineering Manager	Michael Dulude - RTC
Matt Brezina – City of Reno Parks and Rec	Doug Maloy - RTC Engineering Manager
Alex Wolfson – City of Reno	Barb Santner – Stantec
Theresa Jones – City of Reno	Jeffrey Grob – Stantec
Kurt Dietrich – City of Reno	Laura Meyer – Jacobs Environmental
Joe Coudriet – City of Reno Hydraulics	Kaci Stansbury – Jacobs Project Manager
Eric Yount– NDOT Hydraulics	Robbie Coomes – Jacobs Bridge Lead
Phil Kanegsberg - NDOT	Kayann Jongsma, Jacobs, Drainage
Andrea Gutierrez - FHWA	Emilee Edginton – Jacobs

DRC Members not in attendance:

Kerrie Koski - City of Reno, City Engineer	Chad Matty – FHWA, Bridge Engineer
Trina Magoon - City of Reno	Kayla Dowty - Tri Sage Consulting / CTWCD
Chief Dave Cochran - Reno Fire	Bryan Heller – City of Reno
David Hutchinson - City of Reno Traffic	Kelly Petersdorf – City of Reno
Chris Young – NDOT, Environmental	Travis Truhill - City of Reno, Maintenance
Raymond Eneiro - NDOT	Ryan Bird – City of Reno
Kelly Webster – NV Energy, Gas	Andrew Stanford - City of Reno, Operation & Maintenance
Tim Hendricks – City of Reno, Manager Street Maintenance	Manville Strand – Jacobs Roadway Design
John L'Etoile – NDOT, Landscape & Aesthetics	Jim Clarke - Jacobs
Jessen Mortensen – NDOT Bridge	Calvin Black – Jacobs, Hydraulic Modeling
Dan Doenges – RTC Director of Planning	Steve Lewis – AT&T

Dale Keller - RTC Director of Engineering	Jason Mortensen - Charter
Clifford Cooper – AT&T	Diann Detloff - Charter
Rex Dalen - Charter	Jim Burke - Verizon
Benjamin Eide-Hughes - NV Energy, Electric	Phil Braum - Zayo
Thomas Speer - TMWA	Steve Volk - TMWA
Joe Couto - PSREC	

Attachments:

Arlington Avenue Bridges Design Review Committee Meeting #10 PowerPoint Slides

Recorded Presentation:

[Arlington Bridges - Design Review Committee-20230214_140234-Meeting Recording.mp4](#)

Please request access if you are unable to get into the SharePoint Site.

Discussion Items

1. Introduction
 - a. Judy Tortelli welcomed the group and started the 10th design review meeting.
 - b. Judy Tortelli stated that the focus of this meeting would consist mostly of the specific materials and aesthetics aspect of the project. She said Utilities would not be discussed and those with the Utilities companies could leave the meeting if preferred.
2. Review Existing Bridge Railings and Sidewalks in Surrounding Area Context
 - a. Barb Santner presented and discussed the existing bridge railings and sidewalks in surrounding areas, which included the Lake Street Bridge (1900's), Center Street Bridge (1998), Virginia Street Bridge (2016), and Sierra Street (1900's). She said that the intent is to present to this group the existing bridges in the area for contextual purposes.
3. Arlington Bridge and Pedestrian Fencing/Railing Materials, Colors, and Finishes
 - a. Barb Santner reviewed the design concept for the fencing and railing. She said the recommendation for the overlook is a silver-to-silver grey metal, with the top two rails to be made from stainless steel, not just at the overlook but the rest of the bridge and the rest of the pedestrian fencing to be galvanized with stainless steel accents in the vertical area. She stated that galvanized and stainless combination should last for decades.
 - b. Barb Santner said that the recommendation for the concrete is natural color with anti-graffiti coating. The concrete is durable, long lasting, and easy to maintain. She said that the recommendation is for the City of Reno to add the anti-graffiti coating to the pylons, pilasters, the piers, the abutment walls and all the exposed concrete. Khalil Wilson stated that the City of Reno's maintenance and operations was not included on this meeting, but he will present this information for their review and response. Joe Coudriet asked if the maintenance and operations would have concerns about damage to the railing when removing debris from the river with an excavator. He suggested looking into a removal railing. Robbie Coomes stated that the railings will be designed to be removable. He said that there are bolt connections to the deck. He said they are embedded rods and the deck with a steel plate in the deck so that they can be taken off.
 - c. Judy Tortelli said she prefers the idea of a coating and not power coating so that it does not chip off. She expressed concerns that the galvanized could be dinged or dented. Robbie Coomes said that the galvanized crash railing is stout and durable. He said that the pedestrian fences are panels and technically removable, so if they get damaged, they would be easily fixed or replaced. Joe Coudriet said that was good information.
 - d. Jeffrey Grob said that the grey color scheme was chosen to match the galvanized color.
4. Arlington Bridge Sidewalk Paving Patterns, Colors, and Finishes
 - a. Barb Santner described the proposed concrete sidewalk patterning concepts. She showed sidewalk patterning examples at Truckee River Lane, Canyon Flats Apartments (661 University Way) and on a bridge sidewalk located in Napa, CA. Khalil Wilson asked, and Barb Santner confirmed, that the examples shown are for the sidewalks only and not the roadway deck.
 - b. Concrete sidewalk Patterning
 - i. Judy Tortelli asked if the patterns were a scoring or stamp. Barb Santner said that it is not a stamp. The patterns are done with a tool joint, and it is compatible with existing sidewalks and the City of Reno's standards. Judy Tortelli asked about matching the tool joint pattern with the existing stamp patterns and expressed concerns about ADA compliance. Jeffrey Grob indicated that the stamp patterns are available for matching and are ADA compliant. Barb Santner said that the concern is the textures are ADA compliant but there have been tripping issues over the years. Khalil Wilson reported that people with wheelchairs also do not like textured sidewalks. He said that the City of Reno would like to review the concept and the amount of texturing that is being proposed for the sidewalks. Barb Santner presented the 60% design that showed the design concepts. Khalil Wilson request a copy of the 60% design prior to the official submittal in March.

- ii. Khalil Wilson discussed concerns about replacing sections of the sidewalk if tool jointed. Barb Santner said that if sections needed to be replaced it would be easy to saw cut at the joints and repour.
- iii. Khalil Wilson asked about control break jointing for expansion. Jeffrey Grob said there will be expansion joints for every 200-400 square feet and that they will be shown in the 100% plans. Khalil Wilson said that the City of Reno does not want any expansion joints across the sidewalks. He said that typically they use deeper crack joints. He mentioned specifically to determine where deeper crack joints are necessary for the proposed diagonal (to the back of curb) pattern versus a 90-degree square patterning. Jeffrey Grob said he would like to know the alternative to not including expansion joints. Judy Tortelli said that instead of putting a full expansion joint at that 30-foot spacing, we could have a cold joint all the way across so that it was completely separated and there was a space for the concrete to move without having the expansion material. Khalil Wilson said that he would like to meet with Jacobs and RTC to find a way to implement the cold joint technique for the diagonal pattern. Jeffrey Grob said that he would like to be included in that conversation. Robbie Coomes clarified that the sidewalks across the bridges and on the north bridge overlooks do not have, nor will they need, any expansion joints, as they are fully reinforced. The reinforcing steel eliminated the need for expansion joints, but the sawcuts/tool joints that are required for aesthetics will control cracking.
- iv. Judy Tortelli asked about the colored corners. Barb Santner said that the intent was to make the unique accent so that the bridge and walkways are distinctive areas.
- v. Barb Santner said that we need to decide how much of the concrete needs to be vehicular rated concrete vs pedestrian rated concrete. Judy Tortelli said, and Khalil Wilson concurred that everything should be vehicular rated concrete.

5. Concrete Colors

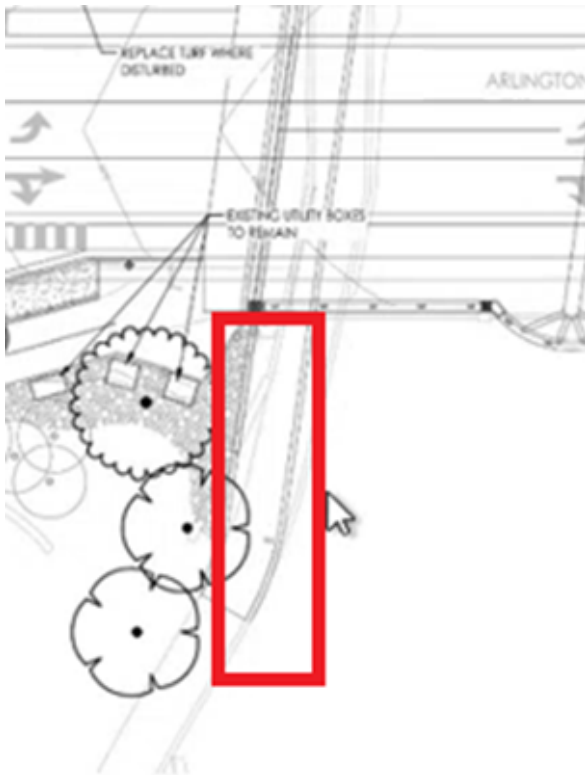
- a. Jeffrey Grob asked, and Barb Santner said that the concrete would come from a single source manufacturer. Khalil Wilson indicated that the design standard details included a test strip from the concrete manufacture to do color matching. Barb Santner confirmed those standard cut sheets are included in the plans.

6. Lighting Color, Finishes

- a. Barb Santner detailed the custom column lights. She stated the lights will be installed at the four corners of the overlooks (two on each side of the bridge), and they are designed to be removable. Jeffrey Grob said that they are the same optics as at the top of the end pylons at the corners of both the north and south bridges for the same light type, light distribution, light color, and everything throughout the entire bridge. Joe Coudriet asked if the light would be "easily" removed and where is the power source. Jeffrey Grob confirmed they are easily removed. Barb Santner said that the power source location is still being determined. Joe Coudriet said that the location needs to be situated so that it is not underwater in the event of a flood or other unforeseen events. It was agreed to investigate this suggestion.

7. Tree Removal/Landscaping

- a. Barb Santner conveyed the tree removal and landscaping plans. She said that there is a flat location downstream of the north bridge along the south riverbank that would be nice to replant cottonwood(s) to provide shade for fish. Judy Tortelli suggested no trees along the riverside because of the flood modeling. Kaci Stansbury said that the sandy bank will change due to grading for the new profile of the path under the north bridge. Joe Coudriet asked for clarification on the term riverside, either riverbank outside the channel slope or within the channel. Judy Tortelli said that she is referring to "within the ordinary high water." Joe Coudriet said that there is a lot of area above that area for consideration.
- b. Laure Meyer asked if this idea for the trees was to achieve the commitment made to Fish and Wildlife to replace the coverage along the river? Barb Santner said that yes, that is the intent because the tree marked in red will probably be removed and the proposal is to add two cottonwoods as replacement.
- c. Joe Coudriet said that Carson Truckee has never requested the City of Reno to cut down the trees. He said that they do not seem to have any issues with conveyance and suggested to replanting the number of trees that are removed.
- d. Barb Santner said that they are going to meet with Matt at the Urban Forester and Parks to discuss if the species in the plans are satisfactory.
- e. Kaci Stansbury suggested, and the group agreed to revisit the location of the trees and landscaping when the hydraulic modeling complete. Judy Tortelli said that we should focus on replanting the trees in-kind.



8. Mounted Lighting

- a. Barb Santner gave an overview on the mounted lighting concept. She conveyed that the original plan was to have the lights at 25 to 30 feet on center like the light spacing that is being used elsewhere in the downtown area with the candy cane type light fixtures. She said that PK Electric conducted a lighting study, and they discovered that 50 feet would be acceptable. She said that the proposal is to have them 30-feet on center to mesh with the trees. Kaci Stansbury pointed out that PK Electrical determined the lights would need to be dimmed down if they are at 30 feet spacing to ensure consistent light levels were being provided across the bridges as along Arlington Avenue between the bridges. She reported that the exact location will be on the plans. Judy Tortelli said

that fewer mounted lights are better for the City of Reno to maintain. It was agreed to review the design to determine if less lights would work with the design.

9. Questions

- a. Judy Tortelli asked Khalil Wilson if the meeting recording would be beneficial for the Maintenance and Operation staff. Khalil Wilson said that the recording could be posted, and they can review if necessary. He said the drawings presented that were not in the original presentation would be helpful. Barb Santner agreed to provide the City of Reno the landscaping and lighting plans. Judy Tortelli pointed out that the team may not be able to incorporate any comments from the City of Reno into the 60% submittal in early March because there will not be enough time to incorporate the comments, but comments are welcome and will be addressed for the 90% submittal.

10. Schedule Update

- a. Judy Tortelli said that the 60% will be submitted on March 10 2023. There will be a 3-week review period for the agencies. She said that the next DRC meeting will be held on March 14th and the intent is to use the meeting to discuss any questions from the 60%.

Meeting started at 1:00 PM

Meeting Adjourned at 2:24 PM