

December 13, 2022– Design Review Committee Mtg #8



Meeting Summary

Project: Arlington Avenue Bridges	Date: December 13, 2022 1 PM
Topics: Environmental Updates Utilities Updates Aesthetics Design Updates Roadway Design Updates Schedule	Location: Virtual - Microsoft Teams Meeting

Participants

Judy Tortelli – RTC Project Manager	Doug Maloy - RTC Engineering Manager
Khalil Wilson - City of Reno Engineering Manager	Kayla Dowty - Tri Sage Consulting / CTWCD
Joe Coudriet – City of Reno Hydraulics	Barb Santner – Stantec
David Hutchinson - City of Reno Traffic	Jeffrey Grob – Stantec
Matt Brezina – City of Reno Parks and Rec	Laura Meyer – Jacobs Environmental
Alex Wolfson – City of Reno	Kaci Stansbury – Jacobs Project Manager
Tim Hendricks – City of Reno, Manager Street Maintenance	Robbie Coomes – Jacobs Bridge Lead
Theresa Jones – City of Reno	Calvin Black – Jacobs Hydraulic Modeling
Ryan Bird – City of Reno	Manville Strand – Jacobs Roadway Design
Michael Dulude - RTC	Julie Trumpoldt – Jacobs Roadway Design
Dale Keller - RTC Director of Engineering	Emilee Edginton – Jacobs
Dan Doenges – RTC Director of Planning	Thomas Speer - TMWA
Sara Going - RTC	Steve Lewis – AT&T
Jessen Mortensen – NDOT Bridge	Benjamin Eide-Hughes - NV Energy, Electric
Eric Yount– NDOT Hydraulics	

DRC Members not in attendance:

Kerrie Koski - City of Reno, City Engineer	Andrea Gutierrez - FHWA
Trina Magoon - City of Reno	Chad Matty – FHWA, Bridge Engineer
Dave Cochran – Reno Fire Chief	Bryan Heller – City of Reno
Chris Young – NDOT, Environmental	Kelly Petersdorf – City of Reno
John L'Etoile – NDOT, Landscape & Aesthetics	Travis Truhill - City of Reno, Maintenance
Phil Kanegsberg - NDOT	Andrew Stanford - City of Reno, Operation & Maintenance
Raymond Eneiro - NDOT	Jim Clarke - Jacobs
Becca Epstein – NV Energy, Gas	Calvin Black – Jacobs, Hydraulic Modeling
Clifford Cooper – AT&T	Jason Mortensen - Charter
Rex Dalen - Charter	Diann Detloff - Charter
Phil Braum - Zayo	Jim Burke - Verizon
Steve Volk - TMWA	
Joe Couto - PSREC	

Attachments:

Design Review Committee Meeting #8 PowerPoint Slides

Discussion Items

1. Introduction
 - a. Kaci started the design review meeting with a brief overview of the agenda.

2. Environmental

- a. Laura Meyer discussed the Environmental update. She reported that all the technical reports have been submitted to NDOT and RTC for review. She stated the critical path items are the Biological Assessment, Section 106 Consultation and the Section 4(f) OWJ Letters.
 - i. Biological Assessment – the team is working on responding to questions from the Fish and Wildlife to complete that consultation.
 - ii. Section 106 Consultation – NDOT and RTC are reviewing the Cultural resource report and effects determination for the project that will go to SHPO for review and concurrence. Consultation for two of the remaining borings is complete and we are coordinating with NDOT and FHWA on necessary steps to complete consultation for the third remaining boring.
 - iii. Section 4(f) Officials With Jurisdiction (OWJ) Letters—the team is working with the City of Reno to agree on impacts and mitigation for Wingfield Park, including the Whitewater Park. RTC believes recreational river access can safely be maintained for most of the construction period and is coordinating with the City on an agreement. We also need to coordinate with the City on the impact details to the Truckee River walk, including if the pergola at the southeast corner could be removed.
- b. Laura Meyer reported on the Section 408 permits. She said the Army Corp of Engineers is reviewing the 408 permit application for Geotechnical, and RTC is reviewing the 408 permit application for the project. She explained that they cannot obtain the 404 permit until the 408 permit application is authorized.

3. Utilities Updates

- a. Kaci discussed the utilities across the bridges. The design team has decided to put all utilities through the bridge girders rather than some within the sidewalk section along the top edges of the bridges.
- b. Matt Brezina, City of Reno, confirmed there are two conduits along the east side of the north bridge: 1-Irrigation water, and 1-Domestic water; there are three conduits along the west side of the north bridge: 1-Irrigation water, 1-Domestic Water, and 1-Comm for Irrigation system. The City confirmed all these facilities would need to be maintained. Robbie Coomes asked if 4-inch sleeves would be sufficient. Matt Brezina said that would be acceptable. Jacobs/Stantec requested the irrigation as-builts for the park. Robbie also requested the as-builts for the RiverWalk, specifically the wall at the southeast corner of the south bridge.

4. Aesthetics Design Updates

- a. Kaci presented the updated aesthetic renderings for the bridges, pointing out the height of the end pylons will be 11-ft with a light height of 12-ft. The custom column light fixtures at the overlooks will be at 14-feet. Kaci clarified the colors/shine of the railing and custom column lights are yet to be finalized and will be discussed at the February DRC meeting.
- b. David Hutchinson asked, and Kaci confirmed that the lighting on the pylons and the custom columns at the overlooks were for roadway illumination. He asked if the team has completed an AGI 32 analysis on the proposed heights. Kaci stated that PK Electrical is working on that analysis. Barb Santner said that the post top light fixture used for the MidTown Project, at a 14' height rather than 18', was being proposed, and used for the lighting analysis for the section of Arlington Avenue between the bridges. This will provide the City of Reno with consistent light fixtures to maintain.
- c. Three flower basket hanger design options were presented to the group for feedback (slide 13). Barb stated that the design team has chosen Option 1 (which is also shown in the updated overlook rendering (slide 12) unless there are any objections. There were comments from the DRC.
- d. Slides 16-19 show impacts to the River walk, including the pergola at the southeast corner of the south bridge at the start of the riverwalk along the south side of the Truckee River. Kaci explained that the pergola would need to be removed for construction of the south bridge, and the new pylons at the bridge corners would provide vertical elements that the pergola would conflict with. The design team is proposing to permanently remove the pergola, and asked for confirmation from the City of Reno that they are in agreement.
- e. Barb Santner gave a summary on work going forward for the 60%. She said they are working with Matt Basile (City of Reno Urban Forester) for selection of tree species for new trees along Alington Avenue, and replacement of trees that will be impacted during construction.
- f. Sidewalk color and scoring patterns are being evaluated.

5. Roadway/Bridge Design Updates

- a. North Bridge
 - i. Kaci gave an overview of the roadway design and the drainage for the North Bridge. Kaci pointed out the new path tie-in locations required to design an ADA compliant profile. She asked the City of Reno if the existing trench drain under the bridge is functional. Matt Brezina confirmed it is functional. Joe Coudriet asked if the City of Reno has ever needed to use a VAC truck to clear the drain after an event. Matt Brezina said to his knowledge that has not happened, but they have used a VAC truck to clear the drain from sediment and debris. Theresa Jones asked if there were any issues with ice in the trench drain? Matt Brezina responded that to his knowledge there have not been any issues with standing water or ice underneath the bridge. Kaci informed the group that the new path under the north bridge will have a lower profile than the existing path to ensure vertical clearance to current design standards and lowering this trench drain invert will need to be analyzed with the existing outlet location/invert.
- b. South Bridge
 - i. Kaci discussed the roadway and drainage design for the South Bridge. She commented that the design team will have to get creative to get the pedestrian ramps at the south side of the bridge to be compatible with the required reinforcing rebar within the sidewalk along the bridge and approach slab. Kaci mentioned that a crosswalk along the north side of the Island Ave intersection may not be possible. Khalil commented that ped ramps to cross north/south at either side of the Arlington Ave/Island Ave intersection are required, and encouraged Kaci to keep looking for solutions for an east/west crossing at the north side of the intersection as well. - **UPDATE since 12/13 meeting – see slide 25 for sidewalk bump-outs to allow pedestrian ramps with bi-directional crossing options. This proposed design will be further discussed at the January DRC meeting.**
 - ii. Tim Hendricks requested bollards be incorporated into the design. Kaci confirmed removable bollards at both Frist Street and Island Avenue were included in the design plans.
- c. Maintenance/Access Ramp
 - i. Kaci said the original path design during construction with the kayak park met the ADA criteria, and the new design will do so as well. She reported that the widened design will impact at least three trees. The existing path has a 90-degree turn into the river; the new design will eliminate this sharp turn to allow maintenance vehicles to use it. Khalil Wilson asked the width of the maintenance ramp. Kaci Stansbury replied at least 12 feet. Matt Brezina said that 12-feet was adequate for the City of Reno. Joe Coudriet asked if the ramp would accommodate an 10-wheeler (large dump truck, with dual axle - dual wheels in rear). Khalil Wilson concurred with the request. He clarified that they would like to back a truck down the ramp and have an angle where they have a turn radius to get in and out rather than a 90-degree. Kaci Stansbury said the team will evaluate the proposed design.

6. Hydraulic Design Updates

- a. Kaci reported a quick summary from the meetings with Carson-Truckee Water Conservancy District as a local sponsor for Army Corps in November. Their design storm event about is 14,000 CFS. She discussed and presented the updated model results (slides 27-31) with the current WIP design.
- b. Kaci talked about the TRFMA 100-year existing and proposed (slides 32-34). She said that there is an .006 difference, and anything more than a .005 will require clarification.

7. Schedule Update

- a. Kaci Stansbury said the 60% will be submitted on March 10, 2023.

Meeting started at 1:00 PM

Meeting Adjourned at 1: 45 PM

8. Khalil / Kaci conversation after meeting adjourned:

- a. Crosswalk at north side of Island Ave. is a must
- b. Downtown Streetscape Standards (Barb knows about) prescribes scored patterned concrete sidewalks, Stamped concrete is NOT allowed (not ADA compliant)
- c. City of Reno IRR/Elect/H2O conduits - include across BOTH bridges
- d. 10-wheeler accommodation at maintenance ramp is required
- e. 5% slopes require hand railing
- f. Please share results of photometric analysis when complete.
- g. Jacobs to analyze the camera video of the existing box near the north abutment of the north fork. If in poor condition, work with City of Reno for potential repair/replacement options.

Summary of Action Items:

City of Reno to provide Irrigation system as-builts

City of Reno to provide River Walk As-Builts (specifically the wall at the southeast corner of the south bridge)

City of Reno to confirm removal of pergola at southeast corner of south bridge is acceptable

Comments made using the Teams Chat Function:

None