

Design and Environmental Study For



ARLINGTON AVENUE BRIDGES REPLACEMENT

Public Informational Meeting #1 | March - April 2022

Purpose of This Presentation

- ✓ Project History and Background
- ✓ Schedule is our “Road Map”
- ✓ Project Team Roles / Responsibilities
- ✓ Communication
- ✓ Project Status Update
- ✓ PEL to NEPA Transition
- ✓ Next Steps



Project History and Background

- ▶ Feasibility Study completed June 2021
 - ▶ Define scope, constraints, and cost
 - ▶ Extensive public engagement process
 - ▶ Started with 5 initial bridge alternatives
 - ▶ Identified bridge type and aesthetic package to carry forward into NEPA clearance and design
 - ▶ Funding allocated

- ▶ NEPA/Design contract awarded to Jacobs December 2021

☑ DONE!

Honored to receive \$7 Million RAISE Grant for Construction
Must be Obligated By September 2024!

Purpose and Need

Agreed upon with FHWA, NDOT, and City of Reno

Vetted with Reno City Council, TAC, SWG, and the Public

- ▶ Address structurally deficient bridges
- ▶ Preserve the hydraulic capacity of the Truckee River
- ▶ Provide safe and ADA compliant multimodal improvements
- ▶ Respond to adopted regional and community plans



Project History and Background

Feasibility Study Results

- ▶ Single Pier for North Bridge
- ▶ Clear Span for South Bridge (match existing)
- ▶ Aesthetics Theme - Modern Art Deco, a melding of old and new



Project History and Background



Single Pier

Why Single Pier North Bridge?

- ▶ Reduced deck thickness
- ▶ Vertical clearance along path
- ▶ Opportunity for wider sidewalks along bridges
- ▶ Minor profile adjustments for hydraulic model clearance
- ▶ Similar look to existing (2-pier) bridge
- ▶ Maintenance access from bridge allows for debris removal prior to downstream narrowing of river
- ▶ Easier to construct
- ▶ Less expensive

Feasibility Study Results

Bridge Girder Still Undetermined

Cast-In-Place (CIP)

- ▶ Falsework within the river for abutments and superstructure
- ▶ Aesthetically more 'park' friendly look
- ▶ Construction 2-4 years (River Restrictions and Vehicle Access)

Precast

- ▶ Falsework within the river for abutments and superstructure set in place
- ▶ Aesthetically more 'highway' type look
- ▶ Piers and pier cap can have custom form liner
- ▶ Construction 1-2 years (River Restrictions and Vehicle Access)

Note - South Bridge has no pier and North Bridge has one solid pier wall instead of columns



CIP - Box Girder From Veteran's Parkway (Reno)
No Columns for Arlington Bridges



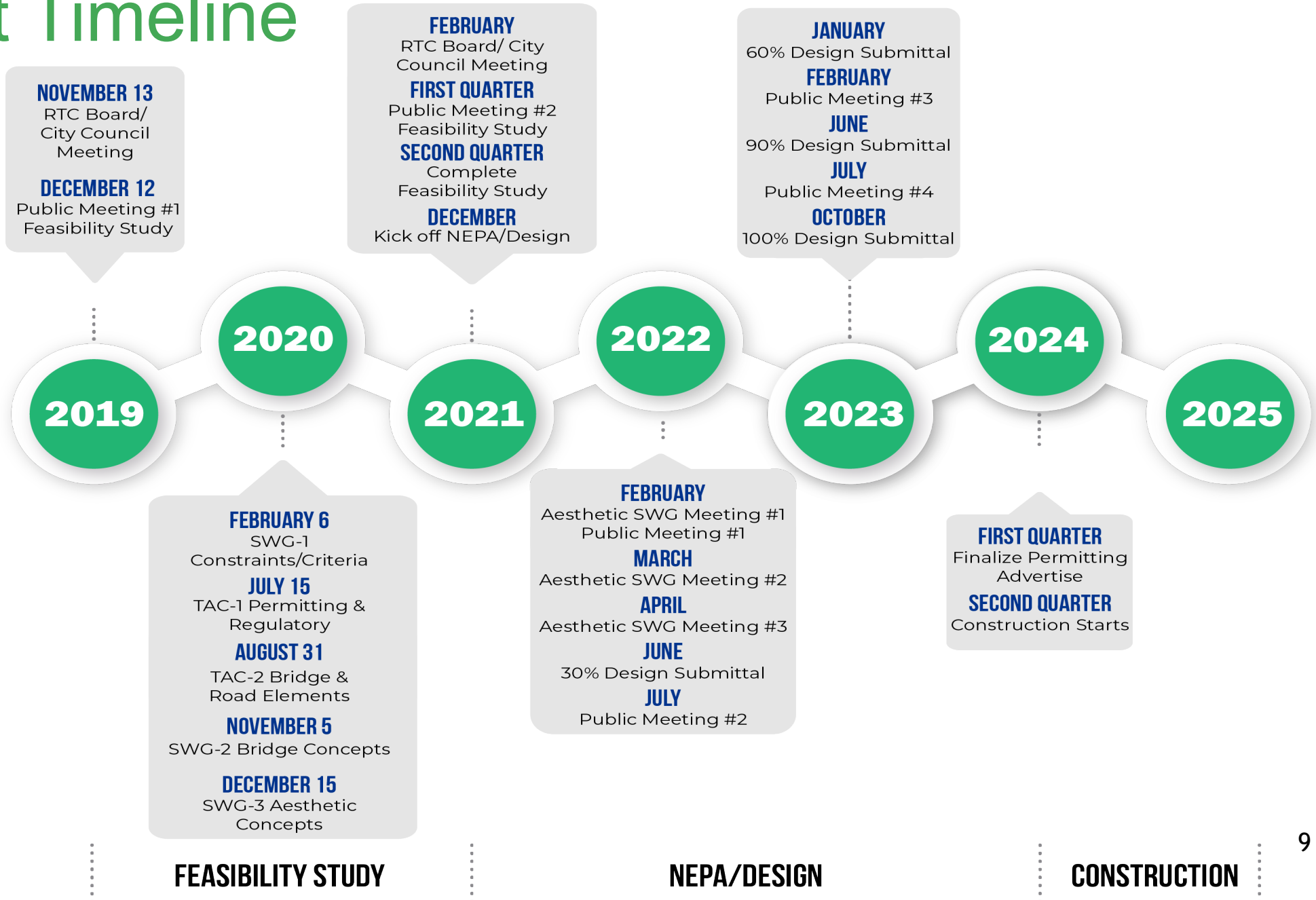
Precast Girders - Project NEON (Las Vegas)
No Columns for Arlington Bridges

Feasibility Study Results

Perform Additional Analysis

- ▶ Determine aesthetics
- ▶ Additional concepts to be evaluated
 - ▶ Wider sidewalks
 - ▶ Path under south bridge
 - ▶ Narrowing the roadway
 - ▶ Maintenance access to the river
 - ▶ Access to Wingfield Park Amphitheater
 - ▶ City of Reno Park Master Plan
 - ▶ Completely separate process from the bridge replacement
 - ▶ Elements identified in the Park Master Plan will be funded by the City of Reno

Project Timeline



Rolls & Responsibilities

- ▶ **RTC** - Management and Administration for NEPA/Design/Construction
- ▶ **City of Reno** - Owner, Design Review
- ▶ **NDOT** - LPA Agreement, Environmental Oversight and Review
- ▶ **FHWA** - NEPA class of action determination, Environmental Oversight and Review
- ▶ **USACE** - Section 408 Permit, Section 404 Permit
- ▶ **CTWCD** - Local sponsor of USACE for Section 408 Permit
- ▶ **Jacobs** - Prime Consultant, Survey, Bridge, Civil, Hydraulic
- ▶ **Stantec** - Landscape & Aesthetics
- ▶ **Civil FX/Parametrix** - Renderings
- ▶ **CME** - Geotechnical
- ▶ **PK Electrical** - Lighting and Electrical
- ▶ **SJ Marketing** - Public Outreach with the RTC communications Team
- ▶ **PCSG** - ICE, Constructability, Construction Schedule

Identified Key Groups



Aesthetic Stakeholder Working Group (ASWG)

- ▶ Review, provide input, and decide on aesthetic concepts and final design
- ▶ 4 meetings - February, March, April, August 2022

Design Review Committee (DRC)

- ▶ Technical review, identify/discuss major impacts of design decisions, discuss environmental impacts
- ▶ Monthly meetings through final design

Agency Involvement

- ▶ Provide update and opportunity for discussion on decisions made and permitting status
- ▶ Quarterly meetings as necessary

Utility Involvement

- ▶ Coordinate design, adjustment, relocation, and additional utilities
- ▶ Bi-monthly meetings as necessary with focused discussion at DRC meetings

Public

- ▶ Obtain feedback on bridge type, landscaping, and aesthetics
- ▶ Provide advance notification of what to expect during construction
- ▶ 4 public meetings anticipated

Aesthetic Stakeholder Working Group Members



Guy Zewadsk, Arlington Tower HOA

Greg Erny, Architects +

City of Reno

Kerrie Koski, Khalil Wilson, Travis Truhill,

Kerri Lanza & Theresa Jones, Public Works (capital projects, maintenance, and environmental engineering, stormwater)

Jaime Schroeder & Matt Brezina, Parks, Recreation & Community Services

Jack Mayes, Access Advisory Committee

Megan Berner, Arts, Culture & Special Events

Angela Fuss, Historic Resources Commission

Ashley Turney, Chief Innovation & Experience Officer

Lance Ferrato, Special Events

Alex Stettinski, Downtown Reno Partnership

Federal Highway Administration

Del Abdalla, Environmental

Chad Matty, Bridge

Andrea Gutierrez, Transportation

Mike Fuess, Park Tower HOA

Laurie Leonard, Promenade on the River

Michon Eben & Scott Carey, Reno/Sparks Indian Colony

Anthony Sampson, Pyramid Lake Paiute Tribe

Rebecca Palmer, Nevada State Historic Preservation Office
NDOT

Jessen Mortensen, Bridge Division

John L'Etoile, Landscape and Aesthetics Division

Phil Kanegsberg, LPA Coordinator

Roger Trott, Environmental

My-Linh Nguyen, Environmental

Eric Scheetz, Truckee River Flood Management Authority

Fr. Chuck Durante & Brian Saeman, St. Thomas of Aquinas

Gerald Dorn, Wingfield Condominiums HOA

Beth Macmillan, Artown Executive Director

Kayla Dowty, Carson-Truckee Water Conservation District

Heidi Loeb, Nevada Museum of Art

Jim Bell, Sierra Adventures

Theresa Frisch, Frisch House

Design Review Committee Members



Kayla Dowty - CTWCD

Dave Cochran - City of Reno, Fire Department

Jaimie Schroeder - City of Reno, Parks & Rec

Kerrie Koski - City of Reno, City Engineer

Khalil Wilson - City of Reno, Engineering Manager

Kurt Dietrich - City of Reno, Traffic

Matt Brezina - City of Reno

Ryan Bird - City of Reno, Maintenance Manager

Theresa Jones - City of Reno, Stormwater

Travis Truhill - City of Reno, Maintenance

Trina Magoon - City of Reno, Environmental

Andrea Gutierrez - FHWA

Chad Matty - FHWA Bridge Eng.

Eric Yount - NDOT Hydraulics

Jessen Mortensen - NDOT Bridges

John L'Etoile - NDOT L&A

Philip Kanegsberg - NDOT LPA Coordinator

Raymond Enerio - NDOT Hydraulics

Roger Trott - NDOT Environmental

Brian Stewart - RTC Director of Engineering

Dan Doenges - RTC Director of Planning

Doug Maloy - RTC, Engineering Manager

Michael Dulude - RTC Transit

Sara Going - RTC, Multi-Modal

Calvin Black - Jacobs, Hydraulic Modeling

Candy Vermeulen - Jacobs, Admin

Jim Clarke - Jacobs, Environmental

Kaci Stansbury - Jacobs Project Manager

Kayann Jongsma - Jacobs, Hydraulic Modeling

Laura Meyer - Jacobs, Environmental

Manville Strand - Jacobs, Roadway Design

Mike Cooper - Jacobs, Bridge Lead

Robbie Coomes - Jacobs, Bridge Design

Wynn Hessler - Jacobs, Roadway Design

Kelly Houston - SJ Marketing

Barb Santner - Stantec

Eric Scheetz - TRFMA

Agency Involvement



| | | |
|-------------------------|---|---|
| Kayla Dowty | Carson Truckee Water Conservancy District | District Engineer |
| Angela Fuss | City of Reno Historic Resource Commission (HRC) | Assistant Development Services Director |
| Kerrie Koski | City of Reno Public Works Capital Projects | City Engineer |
| Khalil Wilson | City of Reno Public Works Capital Projects | Engineering Manager |
| Del Abdalla | Federal Highway Administration-Nevada Division | Environmental Manager |
| Chad Matty | Federal Highway Administration-Nevada Division | Division Bridge Engineer |
| Andrea Gutierrez | Federal Highway Administration-Nevada Division | Transportation Engineer, Dist. 2 & 3 |
| Tawana Kelly | Federal Highway Administration-Nevada Division | R/W and Utilities |
| Chris Young | Nevada Department of Transportation | Environmental Compliance Manager |
| Jessen Mortensen | Nevada Department of Transportation | Bridge Division |
| Phil Kanegsberg | Nevada Department of Transportation | LPA Coordinator |
| Roger Trott | Nevada Department of Transportation | Environmental |
| Andrew Dickson | Nevada Division of Environmental Protection | Stormwater Branch Supervisor |
| Karen Gonzalez | Nevada Division of State Lands | Land Agent |
| Anthony Sampson | Pyramid Lake Paiute Tribe | Tribal Council Chairman |
| Scott Carey | Reno-Sparks Indian Colony | Planner |
| Brian Stewart | RTC Engineering | Director of Engineering |
| Doug Maloy | RTC Engineering | Engineering Manager |
| Dan Doenges | RTC Planning | Director of Planning |
| Rebecca Palmer | State Historic Preservation Office (SHPO) | State Historic Preservation Officer |
| Eric Scheetz | Truckee River Flood Management Authority | Civil Engineer |
| Jason Gibson | U.S. Army Corp of Engineers | |

Utility Company Involvement



AT&T

AT&T Cooperation

Century Link

Charter Communications

City of Reno

FHWA

NDOT

NV Energy Gas

NV Energy Power

Plumas Sierra Telecom

Sprint

TMWA

Verizon

Washoe County

Zayo

Communication

▶ Meetings

- ▶ Design Review Committee (DRC), Aesthetic Stakeholder Working Group (ASWG), Agency Involvement and Utility Coordination

▶ Website - www.ArlingtonBridges.com

- ▶ Subscribe for email updates and take our survey

SUBSCRIBE

▶ Website - rtcwashoe.com

▶ Process

- ▶ DRC meetings
- ▶ ASWG meetings
- ▶ Agency
- ▶ Your input from Public Informational Meetings

Please Take our Survey

Project Status Update

- ▶ Topographic Survey and Utility Investigations
- ▶ Geotechnical Investigations
- ▶ Existing Hydraulic Model
- ▶ Section 408 Permit coordination with CTWCD
- ▶ PEL -> NEPA Transition for Environmental Study
- ▶ Design Criteria and hydraulic modeling
- ▶ Aesthetic Stakeholder Working Group Meeting #1
- ▶ Design Development
- ▶ Public Informational Meeting #1 - March 2022
- ▶ Compile survey results
- ▶ Public Informational Meeting #2 - July 2022 (In-Person)

PEL to NEPA Transition

Planning and Environmental Linkages (PEL) Process

- ▶ Included planning products that can be carried forward into NEPA
- ▶ Purpose and Need
- ▶ Data Collection
- ▶ Alternatives Analysis/Preferred Alternative Identification
- ▶ Appropriate Public, Agency, TAC, SWG input



Environmental - NEPA Process

Environmental data collection to support NEPA underway

Resources to be evaluated during NEPA include:

- ▶ Hazardous Materials
- ▶ Traffic/Safety
- ▶ Social/Economic
- ▶ Environmental Justice
- ▶ Land Use
- ▶ Historic Resources
- ▶ Multimodal (Bike/Ped/Transit)
- ▶ Parks/Recreation
- ▶ Cumulative Impacts
- ▶ Biological Resources
- ▶ Floodplains
- ▶ Water Quality
- ▶ Wetlands/Waters
- ▶ Visual Resources
- ▶ Air Quality
- ▶ Noise



Environmental - NEPA Process

- ▶ Environmental impacts identified
 - ▶ Team will work to avoid and minimize those impacts
- ▶ Impacts that can not be reasonably avoided
 - ▶ Team will identify mitigation measures
- ▶ Preliminary results from environmental data collection will be presented at the next public meeting



Next Steps

- ▶ Aesthetic Stakeholder Working Group Meetings
 - ▶ #2 in March 2022 and #3 in April 2022
 - ▶ Develop 3 concepts for review
- ▶ Design Review Committee Meetings
 - ▶ Monthly review of design status and technical aspects
- ▶ Agency Involvement Meetings
 - ▶ Quarterly updates and discussion
- ▶ Environmental Impacts
 - ▶ Continuous throughout design
 - ▶ Focus on regulatory/permitting requirements to maintain schedule
- ▶ Compile Survey Results
- ▶ Public Informational Meeting #2 - July 2022 (In-Person Meeting)
 - ▶ Vote on aesthetics and see bridge type selection results

We Need Your Input!



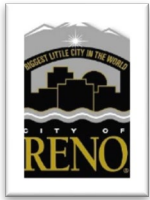
- Online Survey at:
[SurveyMonkey.com/r/RTCArlingtonBridges](https://www.surveymonkey.com/r/RTCArlingtonBridges)
- Email your questions or comments to: jtortelli@rtcwashoe.com reference “Arlington Ave Bridges” in the subject line
- Mail Questions or Comments to:
Judy Tortelli
RTC Project Manager - Arlington Ave Bridges
1105 Terminal Way, Suite 108
Reno, Nevada 89502
- Go to rtcwashoe.com and search “Arlington” for more information
- Go to ArlingtonBridges.com and sign-up to keep up

Thank You for Listening!



<https://ArlingtonBridges.com/>

Please Take our Survey



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



Jacobs

