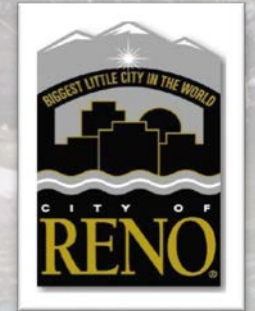
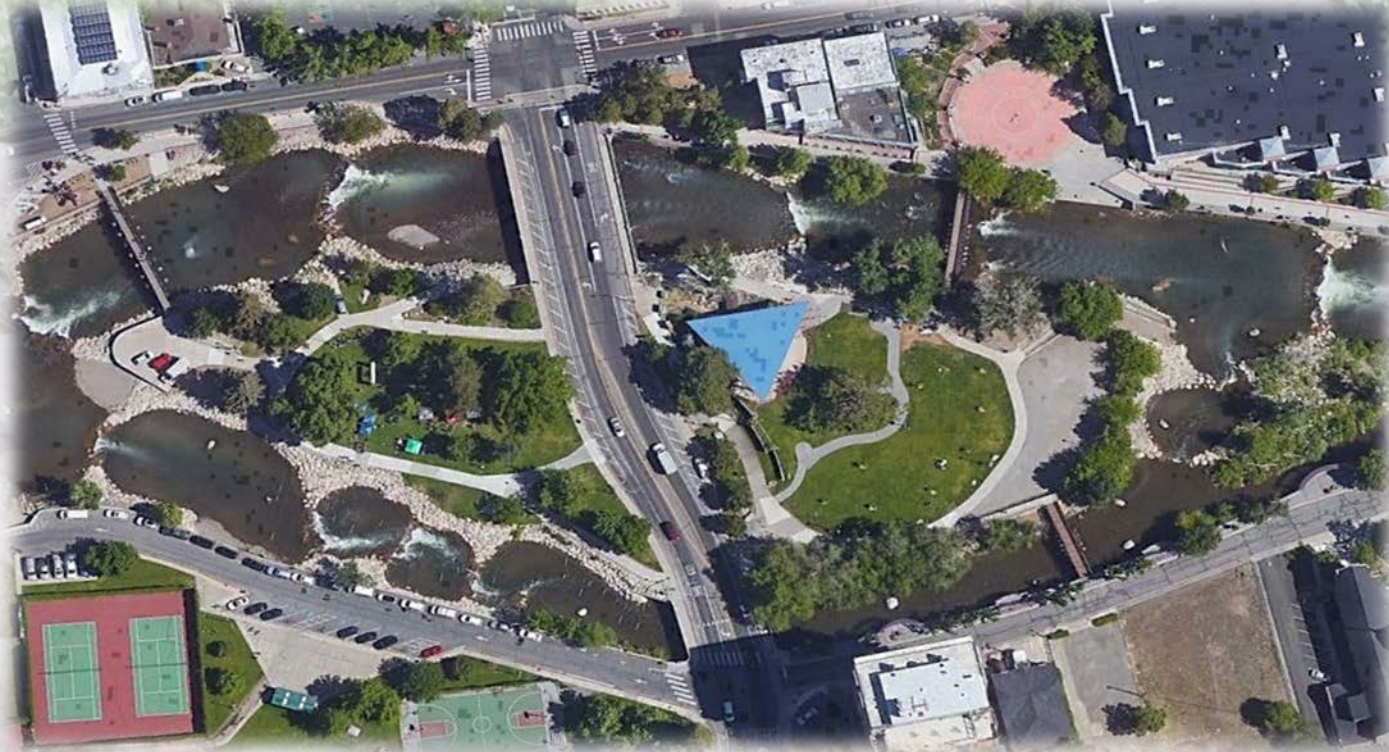


Feasibility Study for



ARLINGTON
AVENUE
BRIDGES
PROJECT

ARLINGTON AVENUE BRIDGES REPLACEMENT

Stakeholder Working Group #1 | February 6, 2020

Meeting Purpose

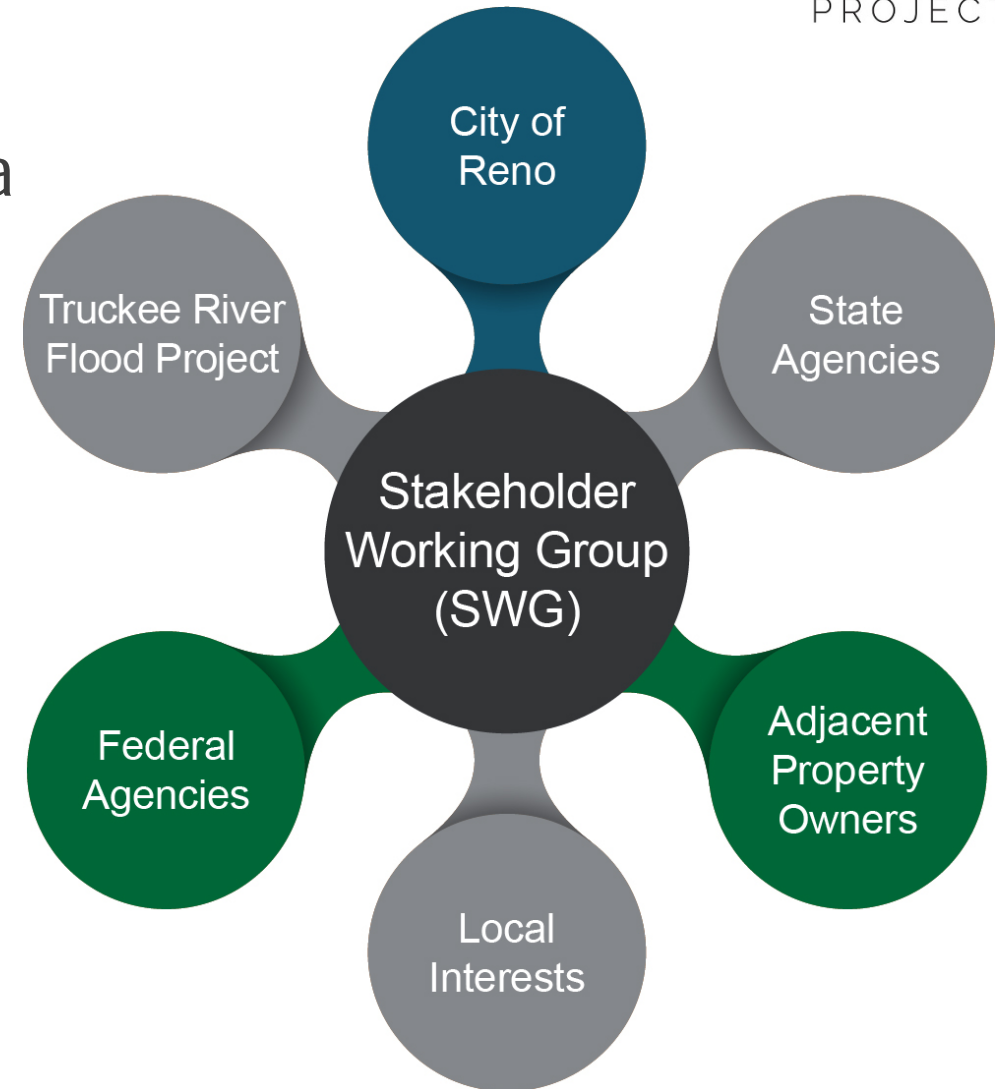
- ▶ Introduce the project, solicit ideas, and engage stakeholder working group (SWG) members
- ▶ SWG Meeting 1 - Today
 - ▶ Identify engineering design and environmental constraints and criteria
- ▶ Technical Advisory Committee (TAC) - March/April, 2020
 - ▶ TAC Meeting 1 - Permitting/Regulatory
 - ▶ TAC Meeting 2 - Bridge/Roadway Elements
- ▶ SWG Meeting 2 - April 30, 2020
 - ▶ Focus on Bridge Concepts
- ▶ SWG Meeting 3 - July 2, 2020
 - ▶ Focus on Aesthetic Themes

Meeting Agenda

- ▶ Stakeholder Working Group
- ▶ Overview of Project Scope and Process
- ▶ Project Purpose & Need, Schedule & Background
- ▶ Role of Federal Agencies & Agreements
- ▶ Public Process Requirements
- ▶ Summary of Comments Received
- ▶ Constraints & Criteria
- ▶ Next Steps
- ▶ Public Comment
- ▶ Action Items

Role of Stakeholder Working Group

- ▶ Assist in developing purpose and need, and design evaluation criteria
- ▶ Review and screen conceptual bridge types and aesthetic alternatives
- ▶ Provide feedback to the project team, RTC Board, Reno City Council, and the public on the potential reduction of alternatives



Stakeholder Working Group Members

- ▶ Arlington Tower HOA
- ▶ Architects +
- ▶ City of Reno
 - ▶ Arts, Culture & Special Events
 - ▶ Public Works (capital projects, maintenance, and environmental engineering)
 - ▶ Parks, Recreation & Community Services
 - ▶ Access Advisory Committee
 - ▶ Historic Resources Commission
- ▶ Carson Truckee Water Conservancy District
- ▶ Downtown Reno Partnership
- ▶ Federal Highway Administration
- ▶ Frisch House
- ▶ Park Tower HOA
- ▶ Promenade on the River
- ▶ Reno/Sparks Indian Colony
- ▶ Pyramid Lake Paiute Tribe
- ▶ Nevada State Historic Preservation Office
- ▶ NDOT
 - ▶ Bridge Division
 - ▶ Landscape and Architect Division
- ▶ Truckee River Flood Management Authority
- ▶ St. Thomas of Aquinas
- ▶ U.S. Army Corps of Engineers
- ▶ Wingfield Condominiums HOA

Consensus

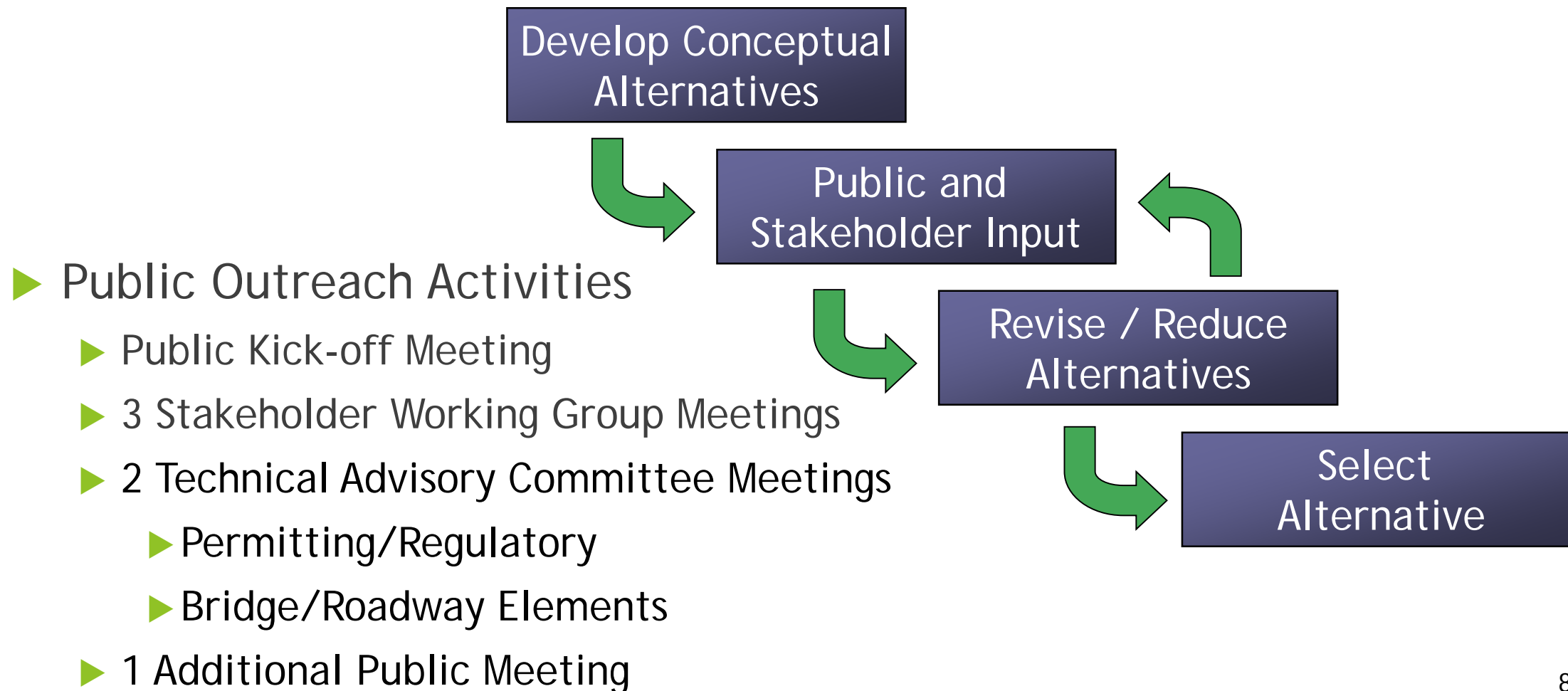
- ▶ What consensus means
 - ▶ Everyone's viewpoint was considered, and all stakeholders support and endorse the decisions made
 - ▶ May not love it, but can accept outcome
- ▶ Challenging and takes time
- ▶ Requires discussion, shared discussion and collective perspective

Project Scope

- ▶ Complete a feasibility study to define scope of future phases
- ▶ Future Phases
 - ▶ National Environmental Policy Act (NEPA) and Design (2021)
 - ▶ Construction (2026)
- ▶ Goal - Reduce the range of possible bridge type and aesthetic themes through engineering analysis and by conducting public outreach
- ▶ Outcome - have a bridge type and aesthetic package identified to carry forward into NEPA clearance and design
 - ▶ Document decisions using Planning and Environmental Linkages (PEL) process & NDOT PEL Checklist

Project Process

- ▶ Modeled after Virginia Street Bridge process



Project Purpose and Need

- ▶ Address Structurally Deficient Arlington Avenue Bridges
- ▶ Provide Safe and ADA compliant Multimodal improvements
- ▶ Address hydraulic capacity needs
- ▶ Respond to regional and community plans



Project Schedule



	2019	2020	2021-2025	2026
Public Kickoff	*			
Identify and Analyze Bridge and Aesthetic Concepts				
Public Meeting		*		
Complete Feasibility Study				
Environmental (NEPA)				
Design/Permitting				
Construction Start				*

Project Background

City of Reno “TRAction Visioning Project” (2009)

- ▶ Considered the “Look and Feel” of six downtown bridges, including Arlington Avenue bridges.
- ▶ Study included public meetings and stakeholder outreach
- ▶ Community’s input shifted focus to appearance of the bridges balanced against an acceptable level of flood protection
- ▶ Outcomes included:
 - ▶ Flood protection alternatives other than replacement bridges eliminated
 - ▶ Bridge supports located under the deck are preferred

Eliminated Alternatives

- Upstream detention
- Diversion channels
- Dredging
- River Widening
- Debris fields

Project Background

March 6, 2019 Meeting with TRFMA

- ▶ TRFMA requested involvement as a stakeholder
- ▶ TRFMA involvement limited to hydraulics
- ▶ Arlington Avenue Bridges are not part of Flood Project
- ▶ Flood Project Programmatic Agreement - elements dropped for downtown portion of project (as of 2011)
- ▶ Analysis of current Flood Model
 - ▶ 100-year WSEL - 4,502 feet AMSL
 - ▶ Debris removal beneath bridge is important
 - ▶ TRFMA will conduct/provide modeling to guide alternatives design

Project Background

March 25, 2019 Meeting with NDOT & FHWA

- ▶ Previous NDOT bridge inspection reports suggest bridges are not historical
- ▶ Requires Section 408 permitting/compliance from USACE to alter civil works project
- ▶ Use PEL process to document decisions - can be signed by NDOT and FHWA
 - ▶ Key purpose of PEL - carry forward major decisions and products from this study into NEPA without backtracking
- ▶ FHWA and NVSHPO Programmatic Agreement will be required

Project Background

April 23, 2019 Meeting with USACE

- ▶ Described relationship between Section 404 and 408 processes
- ▶ Involvement limited to Section 404 and 408 permitting & compliance (contact info provided by USACE)
- ▶ Project will require Section 408 compliance from USACE to alter civil works project
- ▶ Offered Project Team opportunity to participate in monthly USACE meetings (3rd Wednesday of each month)
- ▶ Wetland/biological resources investigations will result in request for 1) aquatic resource verification or 2) jurisdictional determination
- ▶ USACE will consult NVSHPO regarding cultural resources eligibility determinations

Project Background

November 13, 2019 Reno City Council

- ▶ Presented project scope, general schedule, and process
- ▶ Noted that bridge replacement included in 2040 RTP (2022-2026)
- ▶ Included public participation process discussion
- ▶ City of Reno confirmed 1) process and 2) stakeholder working group composition

December 12, 2019 Public Kick-Off Meeting #1

- ▶ Comments are summarized on Slide #19

Federal Agency Roles & Agreements



FHWA - Lead Agency (or USACE)

- ▶ Confirm with USACE and NVSHPO if bridges are **historically significant**
- ▶ Consider project effects on historic properties
- ▶ Sign PEL checklist to document decisions
- ▶ Work with NVSHPO set groundwork for Programmatic Agreement
- ▶ Support Federal funding source review and analysis

USACE - Lead Agency (or FHWA)

- ▶ Work with FHWA and NVSHPO to consider project effects on historic properties
- ▶ Support Section 404 and 408 permitting process
- ▶ Support request for 1) aquatic resource verification or 2) jurisdictional determination

Federal Agency Roles & Agreements



NVSHPO

- ▶ Work with FHWA and USACE on historic eligibility determinations
- ▶ Work with FHWA to set groundwork for Programmatic Agreement
- ▶ Evaluate project effects on historic properties

Public Process Requirements

- ▶ Utilize Stakeholder Working Group to
 - ▶ Identify alternative-specific constraints and criteria
 - ▶ Refine bridge design concepts
 - ▶ Determine aesthetic themes
- ▶ Seek public comment on available bridge design alternatives and aesthetic themes
- ▶ Prepare and finalize feasibility study report
- ▶ Set groundwork for preparing/finalizing Programmatic Agreement

Summary of Comments Received

December 12, 2019 Public Kick-Off Meeting #1

- ▶ 45 Attendees
 - ▶ 2 made comments to the Court Reporter
 - ▶ 19 filled out comment cards
 - ▶ 3 submitted comments to RTC Project Manager
- ▶ Comment Categories
 - ▶ Bridge Type - 12 comments
 - ▶ Aesthetics - 13 comments
 - ▶ Additional Elements - 16 comments
 - ▶ Other Needs or Challenges - 12 comments
 - ▶ Other General - 9 comments

Constraints and Criteria

Environmental Design

- ▶ Permitting
- ▶ Historic (Section 106)
- ▶ Parks (Section 4f and 6f)
- ▶ Hazardous Materials
- ▶ Biological / Natural Resources

Constraints and Criteria

Engineering Design

- ▶ Bridge / Roadway
- ▶ Right-of-Way (ROW) / Access
- ▶ Bike / Pedestrian Use
- ▶ Land Use
- ▶ Traffic
- ▶ Utilities

Next Steps

- ▶ Technical Advisory Committee (TAC) Meetings - March/April, 2020
- ▶ Stakeholder Working Group (SWG) Meeting 2 - April 30, 2020
- ▶ Stakeholder Working Group (SWG) Meeting 3 - July 2, 2020
- ▶ City of Reno Council and RTC Board Meeting - July 2020
- ▶ Public Information Meeting - August, 2020
- ▶ City of Reno Council and RTC Board Meeting - October, 2020
- ▶ NEPA, Design, Construction - 2021 to 2026
- ▶ Email questions/comments to: jtortelli@rtcwashoe.com
- ▶ Visit rtcwashoe.com and search Arlington Avenue

Action Items



Thank you for Attending!



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