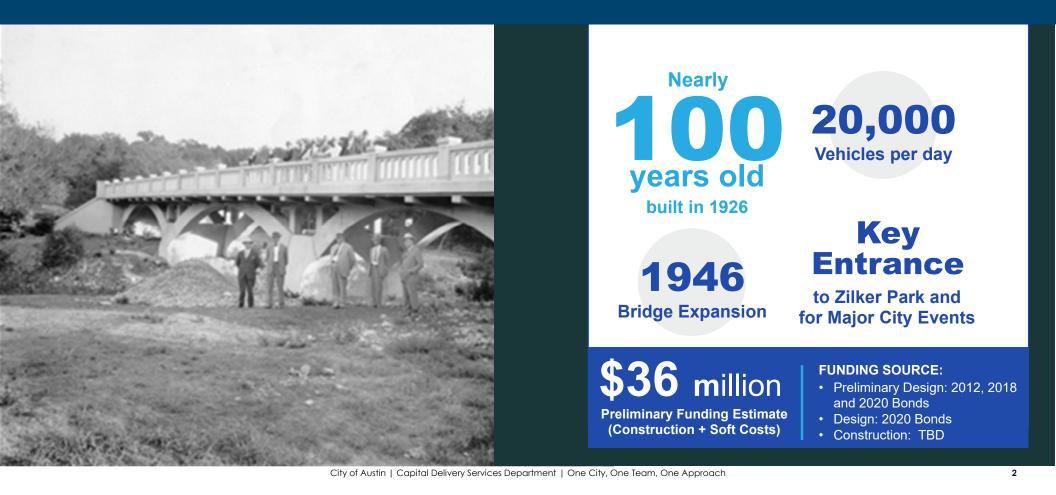




CAPITAL DELIVERY

"Effectively and Efficiently Deliver Quality Projects with the Concept of Speed"









Goal During Construction

- Maintain all 4 lanes of traffic during construction
- Maintain the Azie Morton / Barton Springs intersection during construction

•

20,000 Vehicles per day

on Barton Springs Road

- Important commuter route
- Key access to Zilker Park
- Access to many special events (Trail of Lights, Austin City Limits, Blues on the Green, Zilker Park)
- Access to Zilker and Barton Hills neighborhoods

City of Austin | Capital Delivery Services Department | One City, One Team, One Approach



Coordination With Zilker Park Vision Plan

Team Coordination	 Project Managers for both projects attend meetings and provide updates to each other 	
Project Alignment	 Ensure preliminary bridge plans align with Zilker Park Vision Plan 	
Design Considerations	Widen bike lanes and sidewalks on bridge Improve multi-modal connection into park	
Public Input	Completed public input (online and in person) for the initial recommendation	

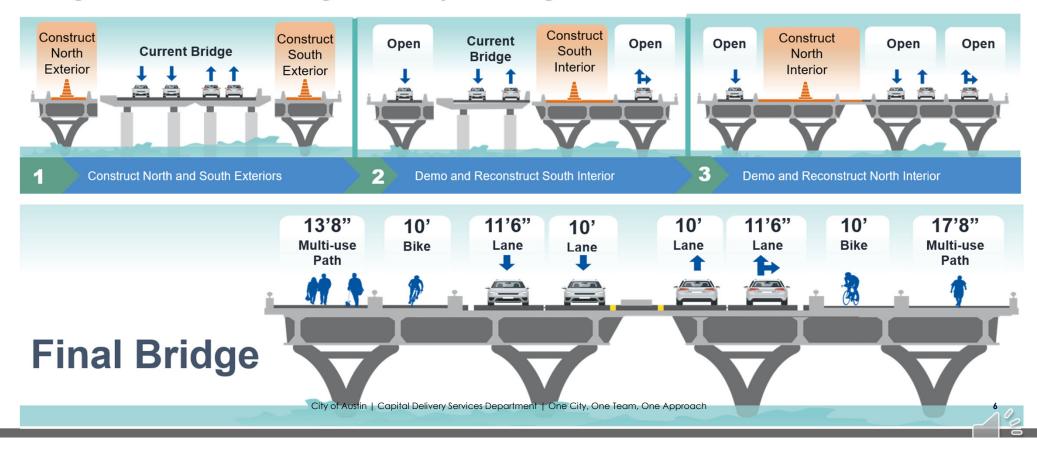


Elements Required for Rehabilitation or Replacement

Bike Lanes	Sidewalk / Path	Shared Use Path	Proposed Bridge
 ✓ Widened Bike Lane ✓ Accommodate off-road biker trail users 	 Accommodate hiking Trails Wider Ped. Paths Accommodate Pedestrians for Special Events 	 Multimodal areas to accommodate off-road hike and bike trail users 	 Longer service life length Wider bridge Better alignment for safety Dedicated bike lanes



Bridge Construction Phasing: 4 lanes open through construction







PROJECT OPTIONS



Rehabilitation Options





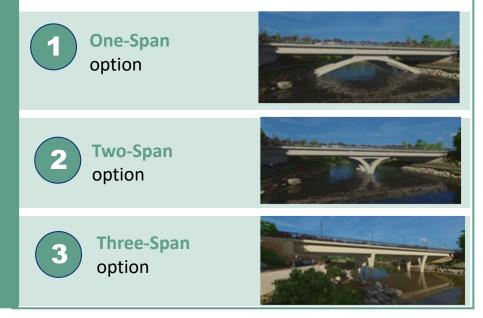
PRESERVE existing structure, consider separate bike/ped structure (minimal rework - light touch)



REHABILITATE and widen deck to include bike/ped

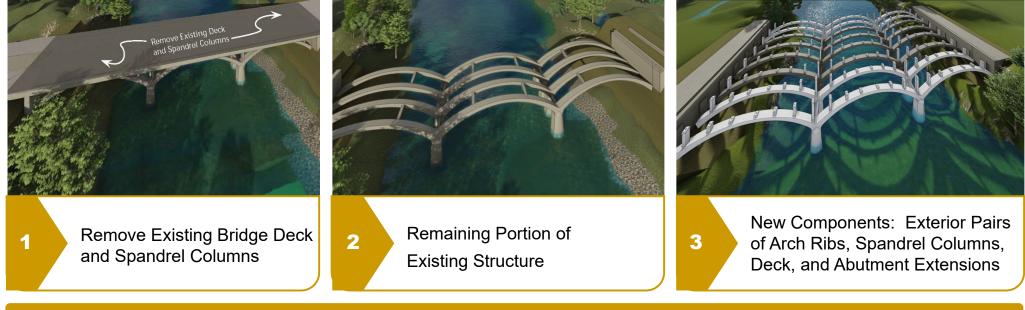
Replacement Options

RECONSTRUCT BRIDGE completely and widen deck to include bike/ped





Bridge Structure Rehabilitation



Less than half of the original structure will remain

- Remaining historical structure will require refacing with new material surfaces
- View of historical structure will be mostly blocked by new structure
- Estimated cost of \$19M



Bridge Replacement Option Comparison

	1-Span	2-Span	3-Span
Structural Complexity	Complex system	Less complexUses conventional foundations	Least Complex
Visual Openness	 Obstructed visuals Views along center line maintained Potential scour and bank/trail complexities 	 More visually open than 1-span option View along center of creek obstructed 	Most visually openClear views along center line of creek
Constructability	 Most complex to build Requires temporary piers and falsework to make the arches 	 Fewest number of foundations in water Top of bridge requires specialty construction and falsework 	Specialty construction with fewest challenges
Initial Const. Cost (Bridge Only)	• \$18.1M		• \$10.2M

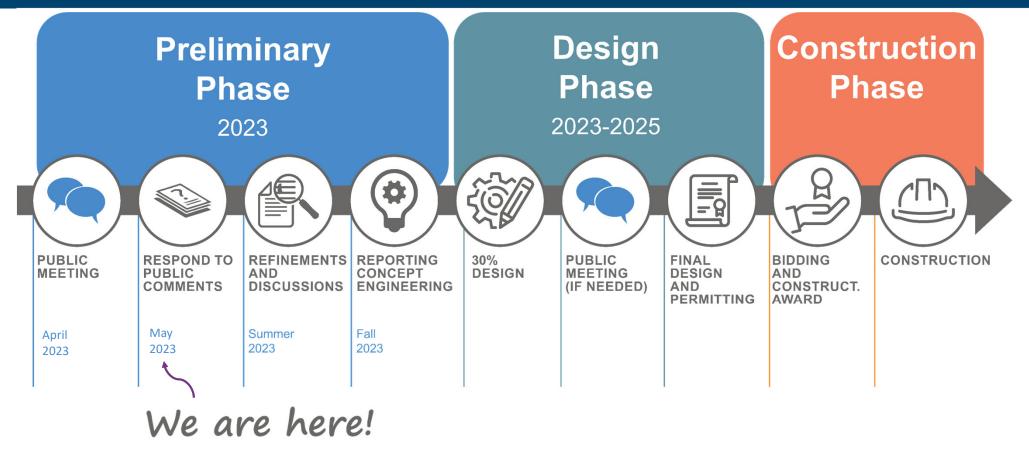


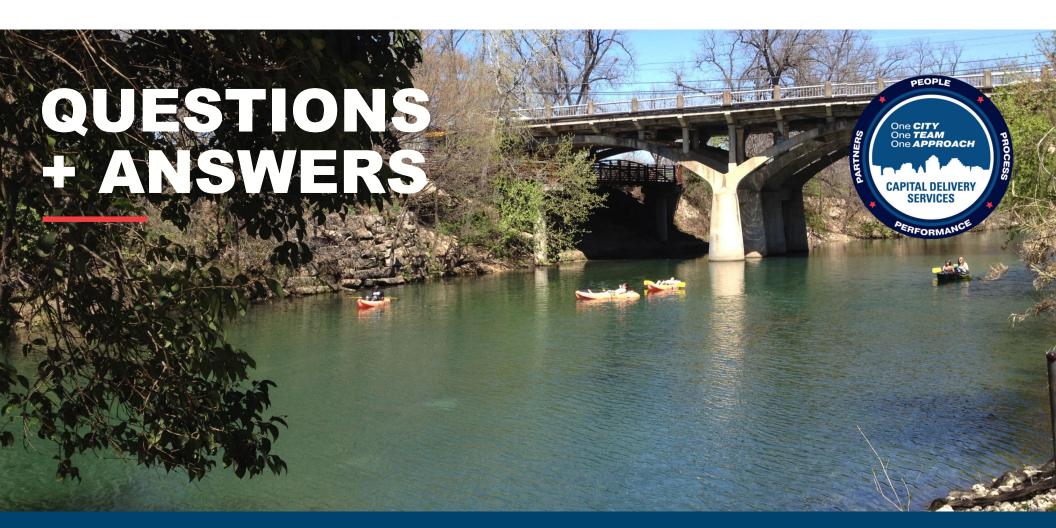














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