



# 22<sup>nd</sup> Street Bridge Revitalization Project Update Meeting

## **November 6<sup>th</sup> Meeting Design Review Criteria**

- Safety
- Constructability
- Federal Requirements
- Financial Constraints

# Design Concepts that have been verified from November 6<sup>th</sup> Meeting

- Dedicated one direction 6ft bicycle and pedestrian facility on each bridge, meets RAISE Grant intent



Segmental Bridge Cross Section



Segmental Bridge Cross Section with Bicycle and Pedestrian Facilities

- Three 11ft travel lanes on each bridge
- Overall bridge width maintained to preserve environmental clearance
- Original artwork to be used in the pedestrian fencing

## Design Concepts that have been verified from November 6<sup>th</sup> Meeting

- Enhanced crosswalk at the Campbell Ramp
- Provides safe access to the bridge for eastbound bicycle and pedestrian traffic



Campbell Ramp – Enhanced Crosswalk



Aviation Pathway Connection – South of 22nd Street

- Direct connection to Aviation Pathway for eastbound bicycle and pedestrian traffic
- Requires Ramps B and C to be closed

# Design Concepts for Ramp A to be reintroduced

- Wilson Ave has direct connection to 22nd St
- Plumer Ave remains a right in and right out as it is today
- Enhanced crosswalk on Ramp A



Ramp A – Signalized Crosswalk



22nd St Looking West

- 2-3 months of additional design
- Environmental documents need to be updated with new profile



Aviation Pathway Underneath 22nd St Bridge



22nd St Bridge, Aviation Pathway, and Ramp A



22nd St Bridge, Aviation Pathway, and Ramp A

## Design Concepts for Ramp A to be reintroduced

- Includes a tunnel under Ramp A
- Existing drainage issues will remain
- Utility construction efficiencies will be reduced

	<b>Without Ramps</b>	<b>With Ramp A</b>
<b>Project Cost</b>	<ul style="list-style-type: none"> <li>• Baseline Construction Cost</li> <li>• \$500k final design costs</li> </ul>	<ul style="list-style-type: none"> <li>• Additional \$5M Construction Costs</li> <li>• \$1M final design costs</li> </ul>
<b>Safety</b>	<ul style="list-style-type: none"> <li>• Eliminates potential vehicle conflicts</li> <li>• No flooding issues on Aviation Path</li> <li>• Construction efficiencies are realized</li> </ul>	<ul style="list-style-type: none"> <li>• Weave distance requires design variance from ADOT</li> <li>• Flooding issue on Aviation Path</li> </ul>
<b>Design Completion</b>	Summer 2024	Fall 2024
<b>Construction Start Date</b>	Fall of 2024	Winter 2024/2025

## **22<sup>nd</sup> Street Bridge Revitalization Project Next Steps**

- Finalize Design Concept
- Approved PAG TIP expected in May 2024
- Finalize Construction Plans and Specs
- Approved GMP Proposal
- RAISE Grant funding authorization
- Begin Construction