



# 22<sup>nd</sup> Street Bridge Improvement Project Design Evolution

November 6, 2023



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TRANSPORTATION & MOBILITY

# Project Design Evolution

## A. Cross Sections

- Shown are the changes made from the 2018 design to the optimized version incorporating the public comments.

## B. Overall Footprint Changes

- The footprint slides highlight how we can show the conflicts with the ramps in place vs the benefits with the ramps removed.

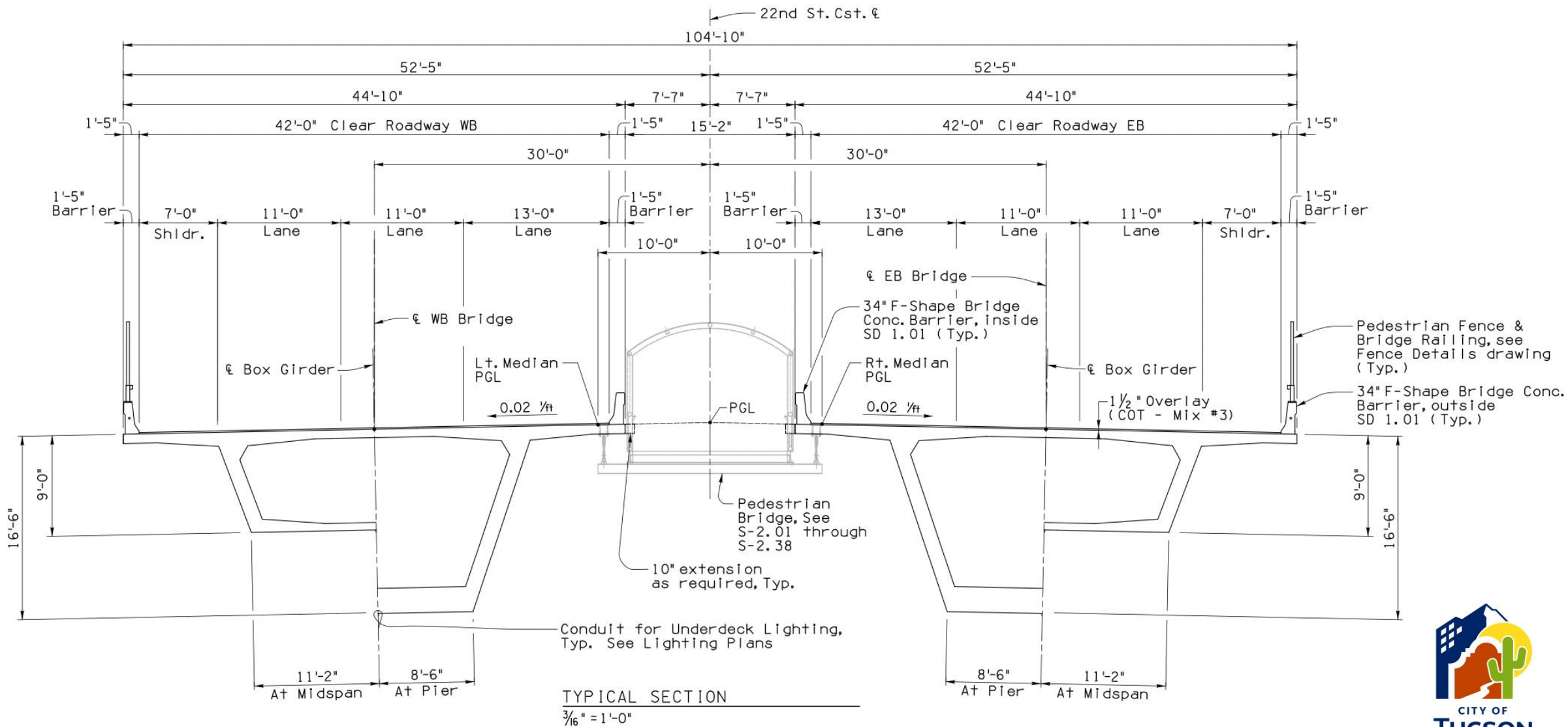
## C. Bicycle and Ped Connections

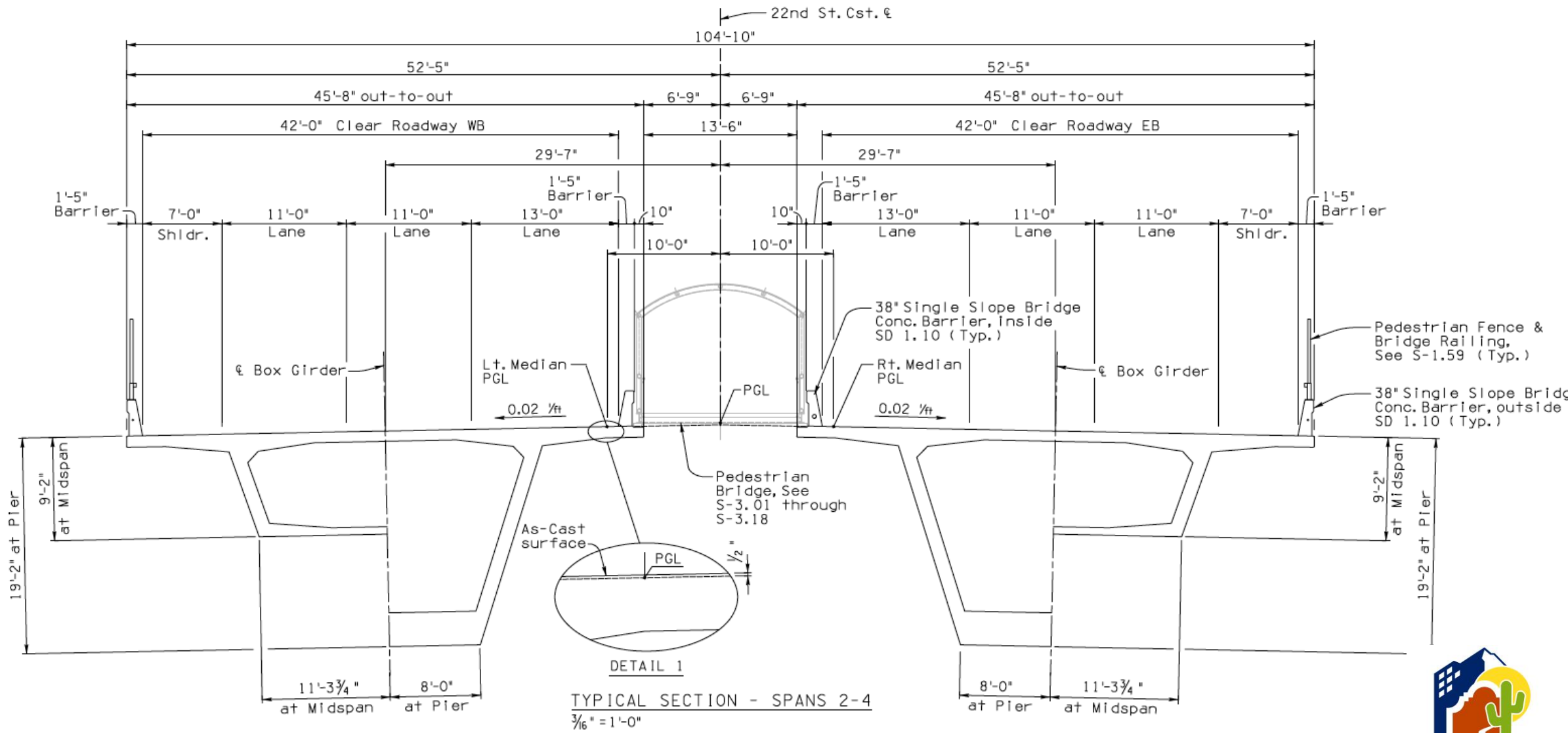
- The highlighted bike/ped movements are shown to compare how the design has changed from the original to the updated design which the project teams feels improves these connections.

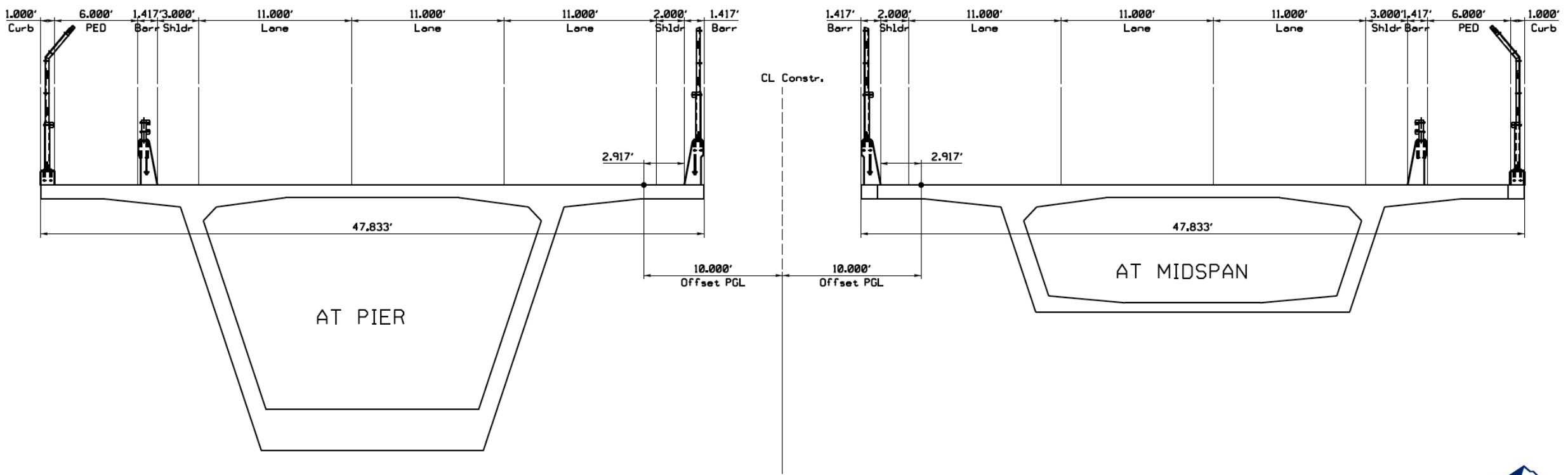
## D. Optimized Design Renderings

- Design renderings showing the path connections and pedestrian / bicycle facilities on the outside.

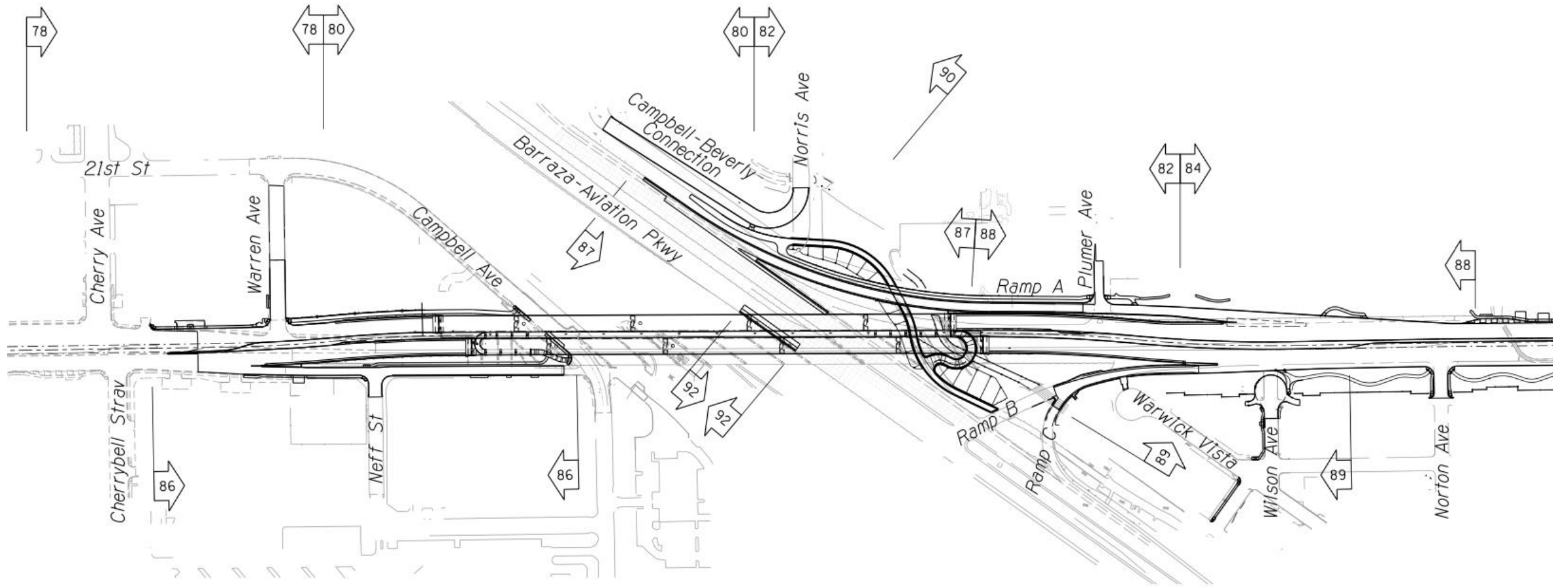








A. 2023 Public Input Design – Optimized Cross Section – Pedestrian / Bicycle Path and Shoulder Widths can be shifted



B. 2018 Design – 2 piers in UPRR ROW, Wilson Ave Cul-de-sac, Flooding on Aviation Pathway



# 22nd St – Kino Pkwy to Tucson Blvd Improvement Project

Option 3 – One-way sidewalks on outsides of bridges and no ramps 10-5-23

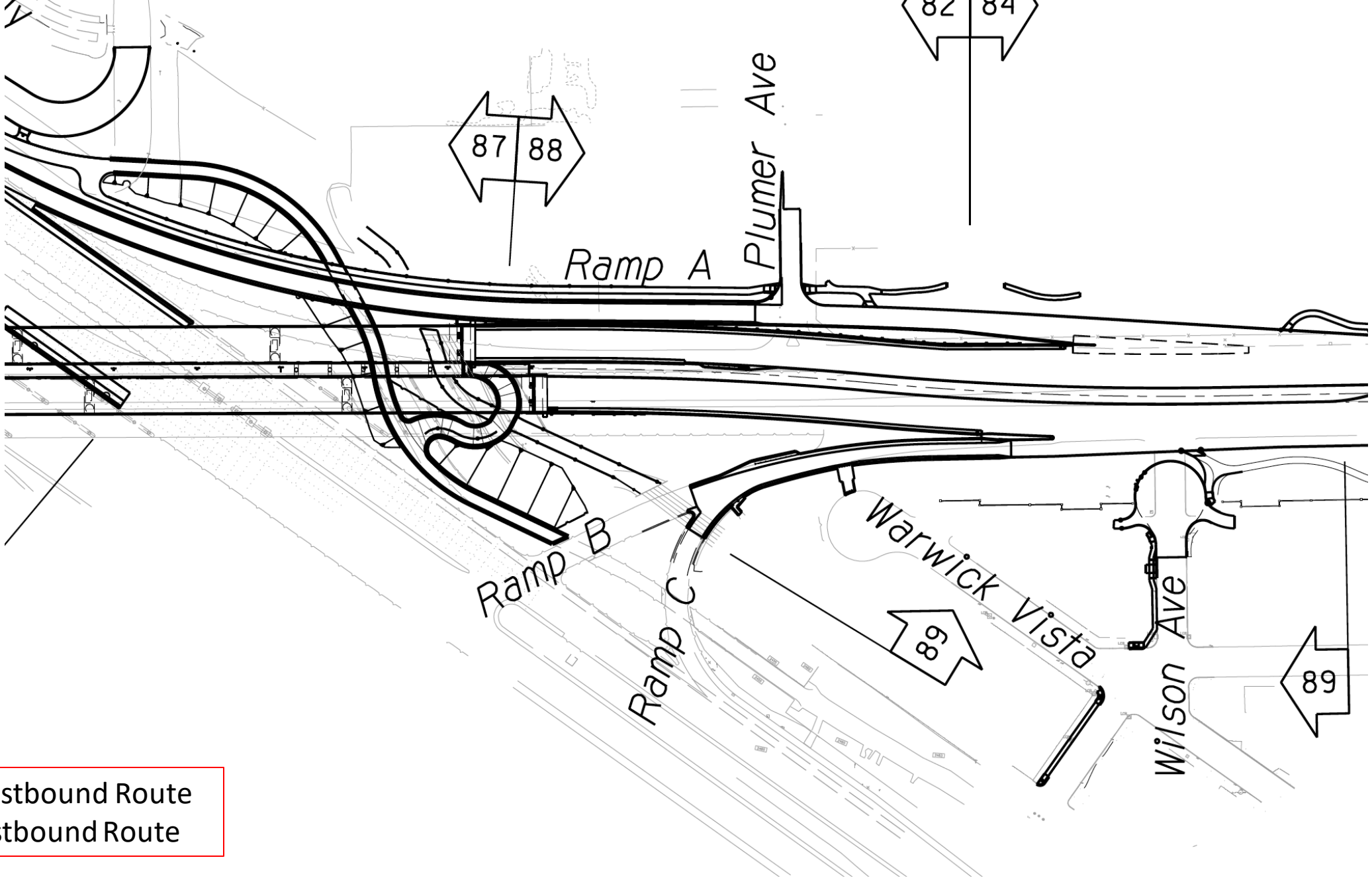
Footprint doesn't change, NEPA, FHWA, and structural design remains

No flooding on paths or safety concerns with tunnels

Direct connections on both sides of the road

Wilson connection back to 22<sup>nd</sup> St.



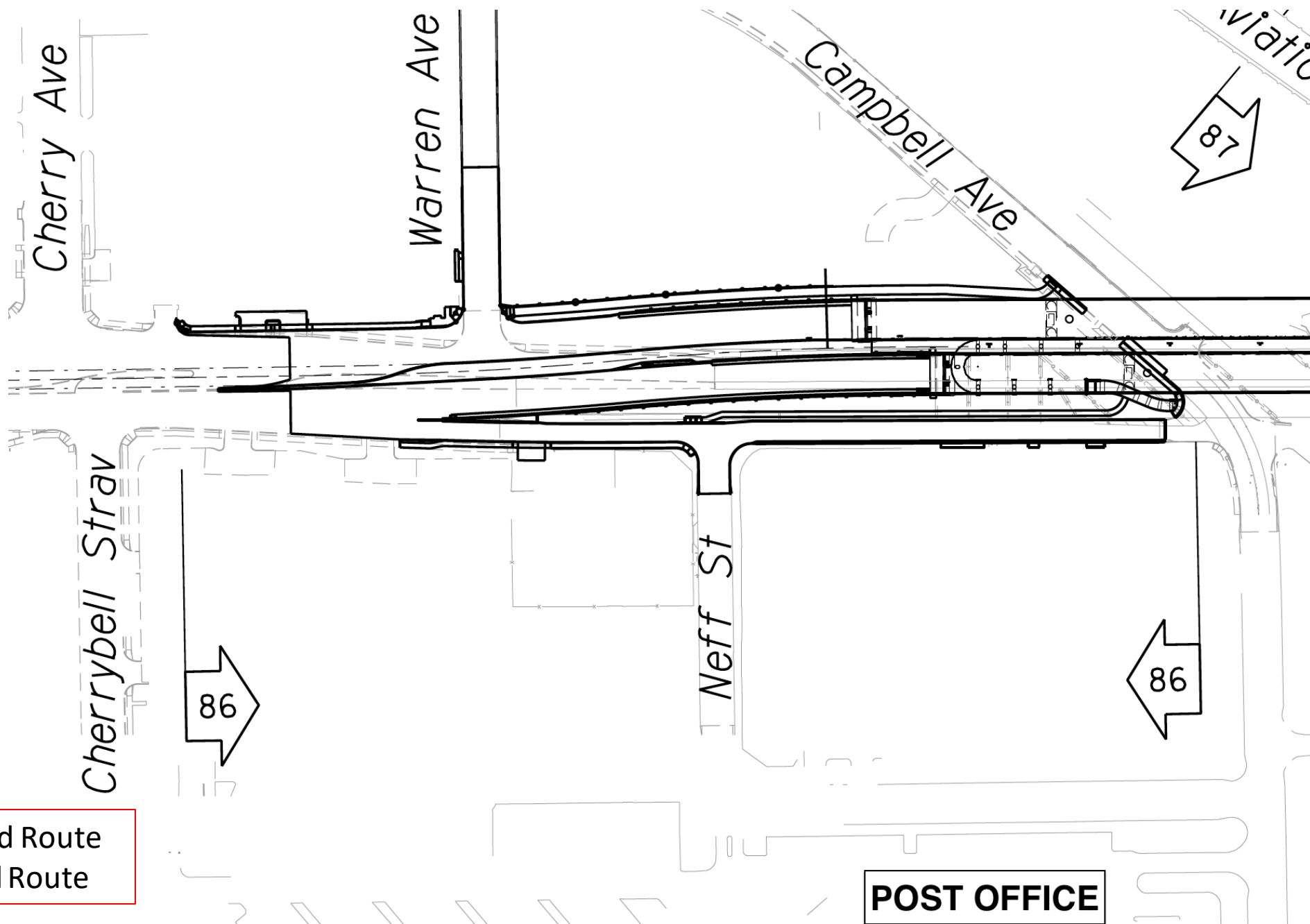


- Westbound Route
- Eastbound Route



C. 2018 Design – Pedestrian Access Routes, aviation bike path goes under Ramps A-C with tunnels





- Westbound Route
- Eastbound Route





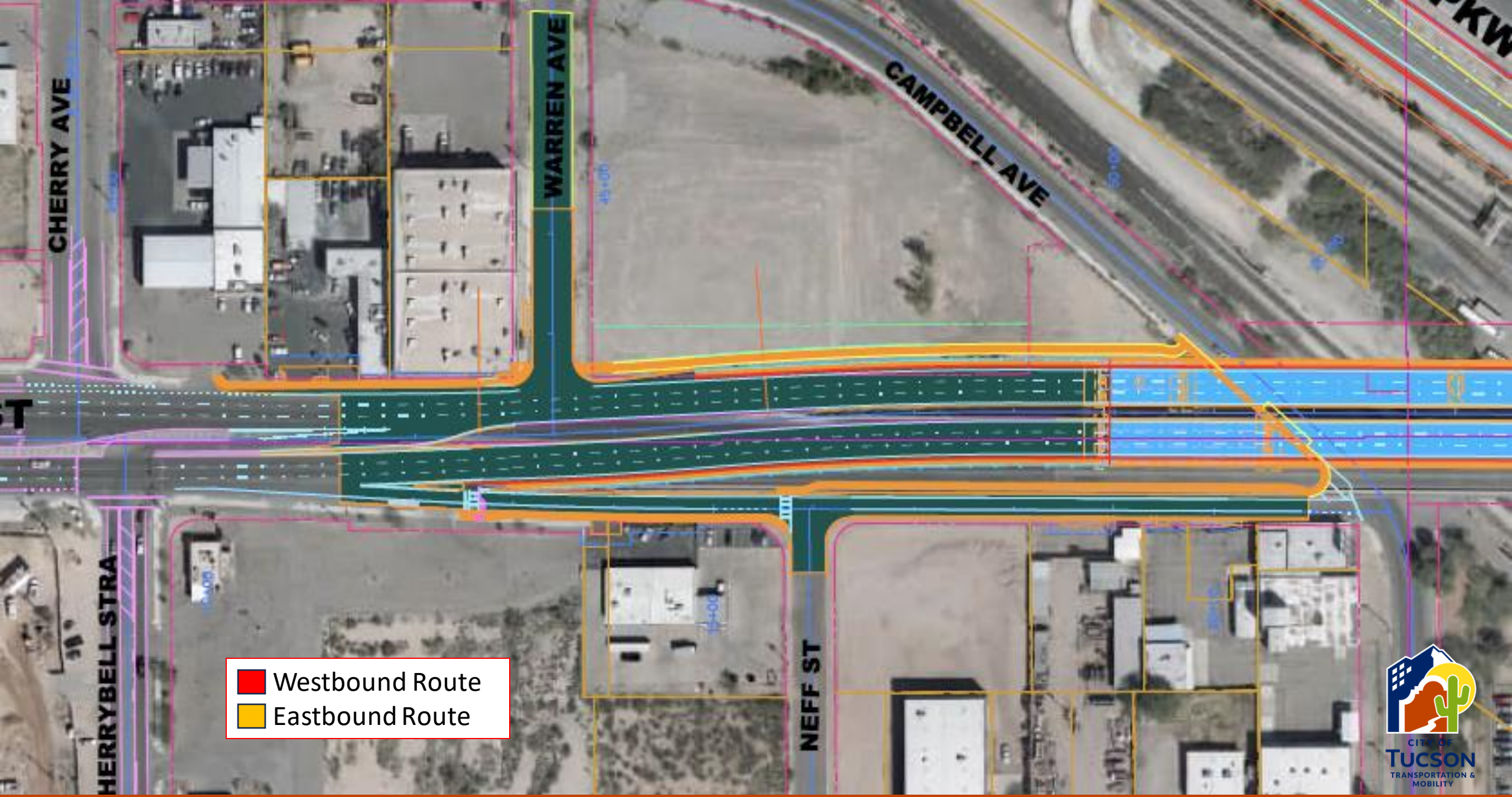
Aviation Path is at grade, and we can eliminate the tunnels and flooding issues

- Westbound Route
- Eastbound Route



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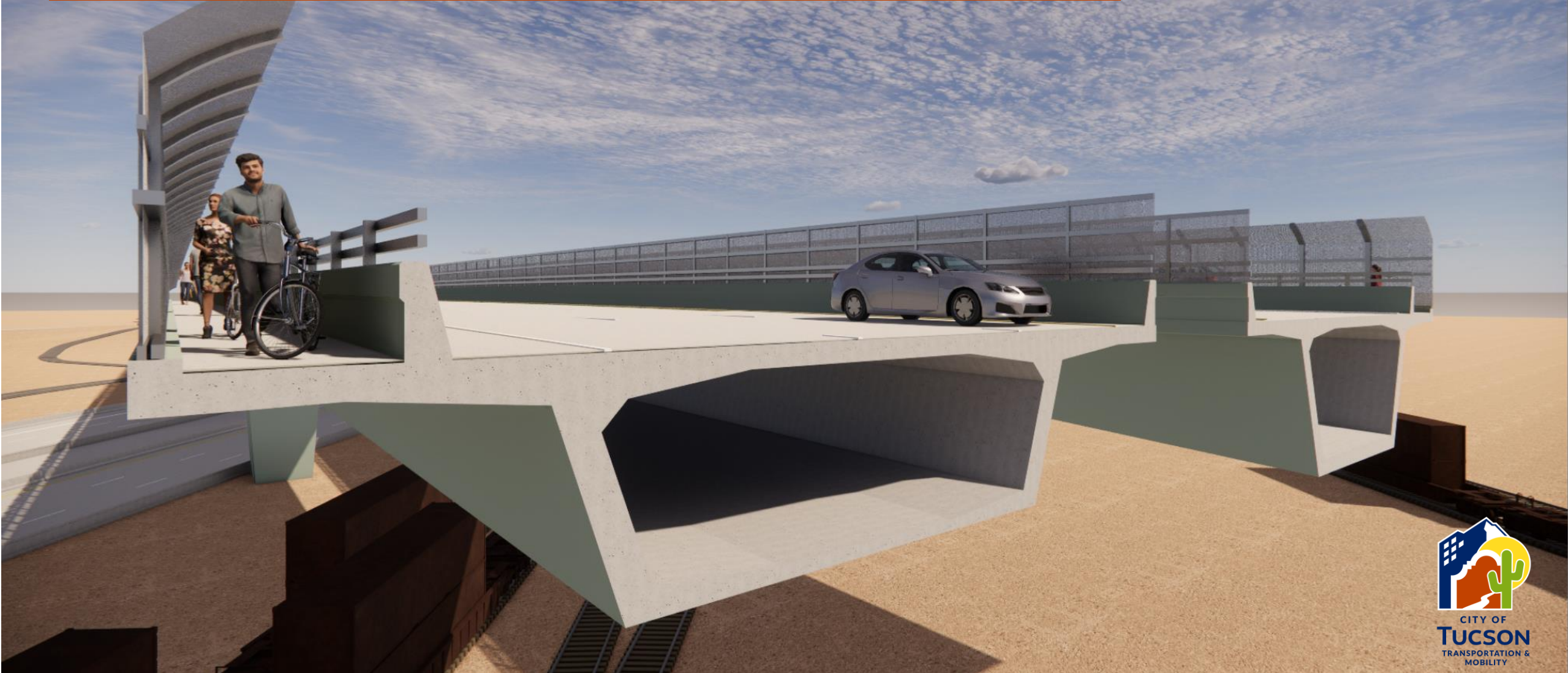
- Westbound Route
- Eastbound Route



C. 2023 Public Input Design – Pedestrian Access Routes, only one lane to cross on the ramp to Campbell Ave



# Optimized Design Renderings





# East Approach Looking West





# East Approach Looking Northwest Southern Path Connection





# Aviation Path Connections Looking West





# Bridge Elevation Along Aviation Looking Northwest





# West Approach Looking East





# Bicycle and Pedestrian Crossing at Campbell Ramp





# West Approach Oblique, Looking Northeast





# Bridge Cross Section Looking East

