



Veterans Bridge

Emergency Repair Traffic Control

Adam Holtzapple, PE, PTOE, RSP1

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Team



HDR





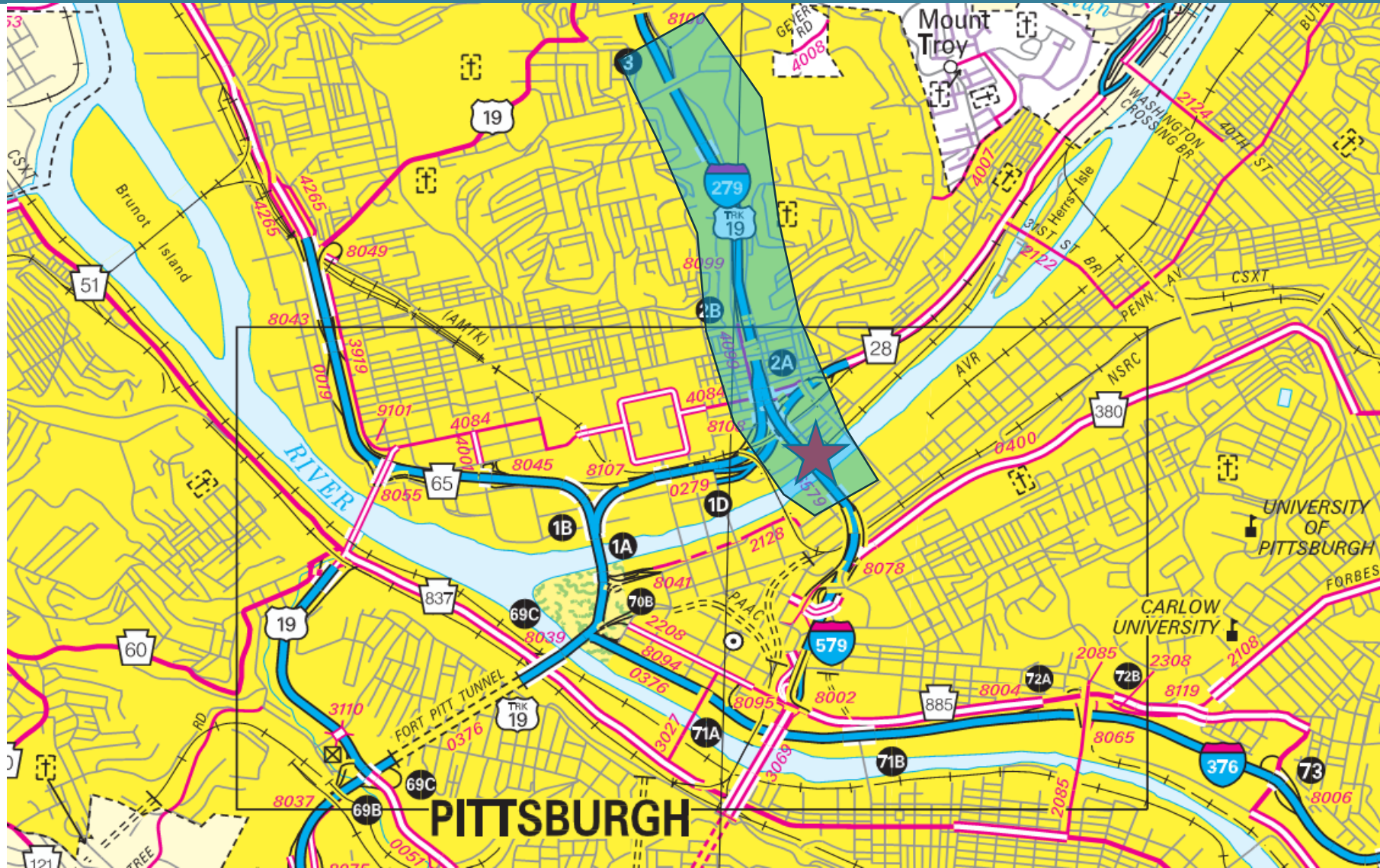
Overview

Emergency Repairs needed to I-579 HOV lane structure approaching Veterans Bridge

- Routine inspection discovered accelerated deterioration on 23 piers that needed immediate repairs
- Veterans Bridge is a single structure (I-579 NB/SB & HOV lane)
 - 3 separate structures north of Veterans Bridge



Project Location





Traffic Control Stages / Timeline

SR 28 Lane Closures

March 1 – 4: Initial request for traffic control design to approval and implementation

I-579 Veterans Bridge Lane Shifts (live load removal)

April 2 – 7: Request for traffic control to design to approval and implementation

I-579 SB Crossover into HOV lane

April 30 – July 11: Design, procurement and implementation (pattern lifted on September 5)

I-579 NB Crossover in HOV lane

July 1 – September 12: Design, procurement and implementation (anticipate lifting pattern before Thanksgiving)



I-579 Veterans Bridge Lane Shifts

Challenges

- Accurate basemapping for design plans
 - Use of previous plans (if available)
 - Majority of plans were overlaid on aerial imagery
- HOV median barrier imbedded into structure (both sides)
- ITS line in existing HOV median barrier adjacent to I-579 NB
 - Relocation to structure mounted conduit underneath superstructure



I-579 Veterans Bridge Lane Shifts



125' Removed
50' Partially Removed
579 NB/6579 Parapet
Picture: 6/11/2025



I-579 SB Crossover into HOV Lane

Challenges

- Drastic change in driver habits (left hand exit vs. right hand exit)
 - Originally constructed in the late 1980s
- Available time for procurement of overhead sign overlay
 - Need for temporary supports for large guide signs placed in closed HOV lane
- Informing public of upcoming patterns prior to new decision point
 - Use of existing DMS and temporary CMS
 - Coordination with local media to disseminate information on changing traffic patterns
- Restriping of HOV lane from one to two lanes
 - Usable design for NB crossover

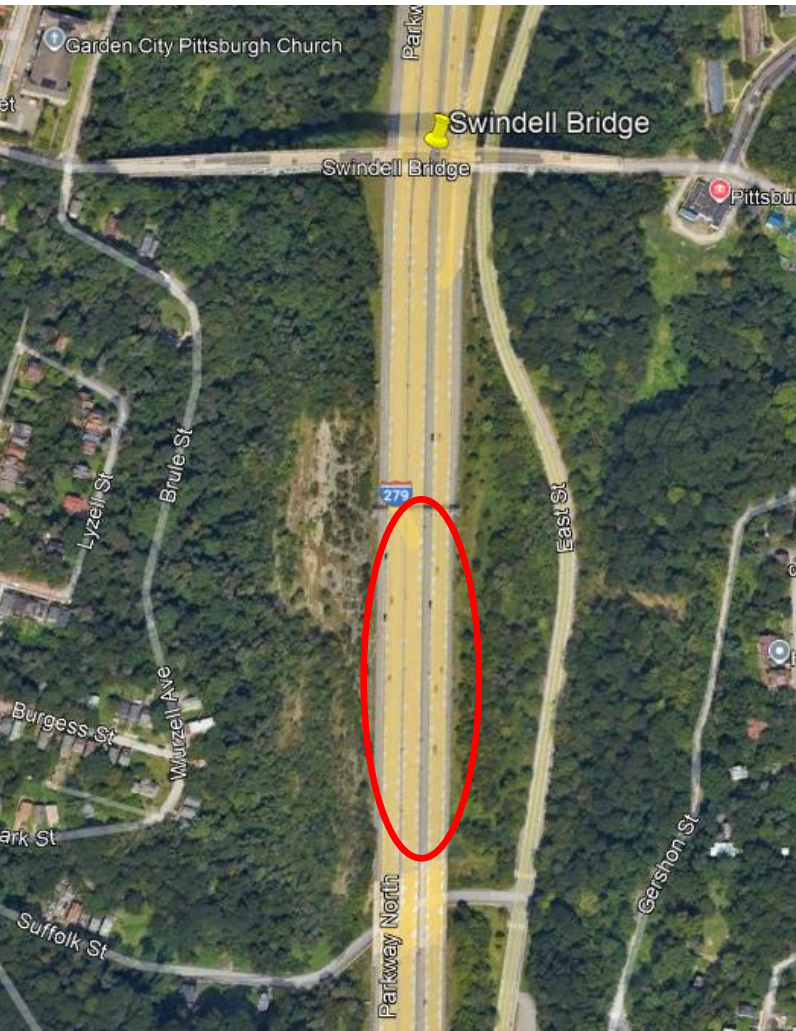


I-579 SB Existing Exit 2A Configuration





I-579 SB Crossover into HOV Lane





I-579 SB Crossover into HOV Lane





I-579 SB Crossover Temporary Signing





I-579 SB Crossover Restriping





I-579 SB Crossover from HOV to I-579





I-579 NB Crossover into HOV Lane

Challenges

- Change from preliminary NB Crossover concept (HOV lane to I-279 NB)
 - From crossover just south of Hazlett St (HOV lane to I-279 NB) to multiple detour routes.
 - Detours for the following destinations to all use Union Ave interchange to turn around
 - Ramp H (I-579 North to SR 28 North)
 - Hazlett St
 - US 19 Perrysville Highway
 - * McKnight Road exit functions as is*
- Coordination with Steelers, Penguins and other special events for use of HOV exits out of the city onto I-279 North

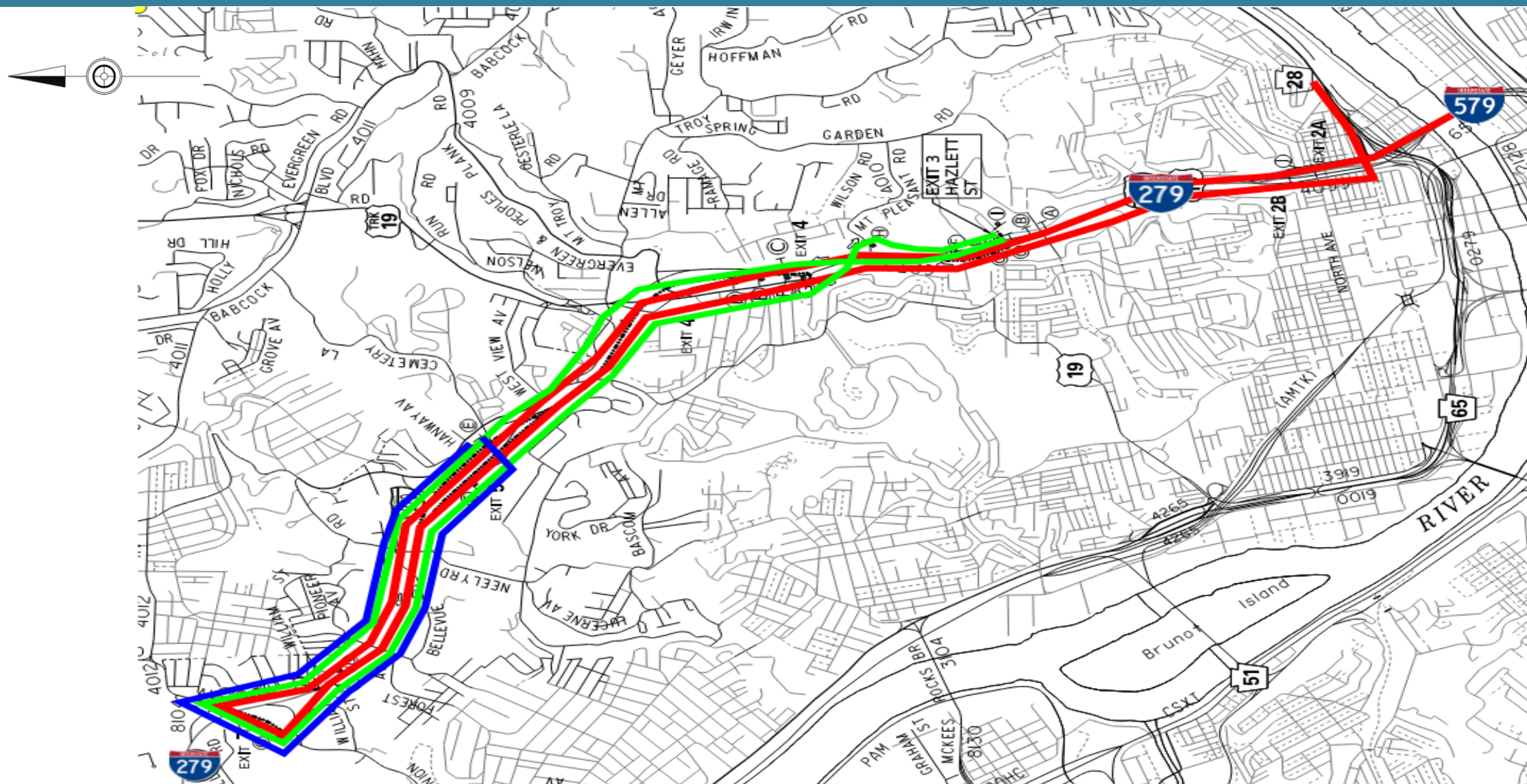


I-579 NB Crossover into HOV Lane





I-579 NB Crossover Detour Routes





Teamwork

Factors that have made this project a success (so far)

- Constant communication between all three team members
 - Weekly status meetings with project team
 - Direct communication between designers, reviewers, stakeholders
- Real time procurement lead times from contractor to designer to set deliverables schedule
- Willingness of all partners to assign staff that could maintain this project at the top of their priority list.





Questions