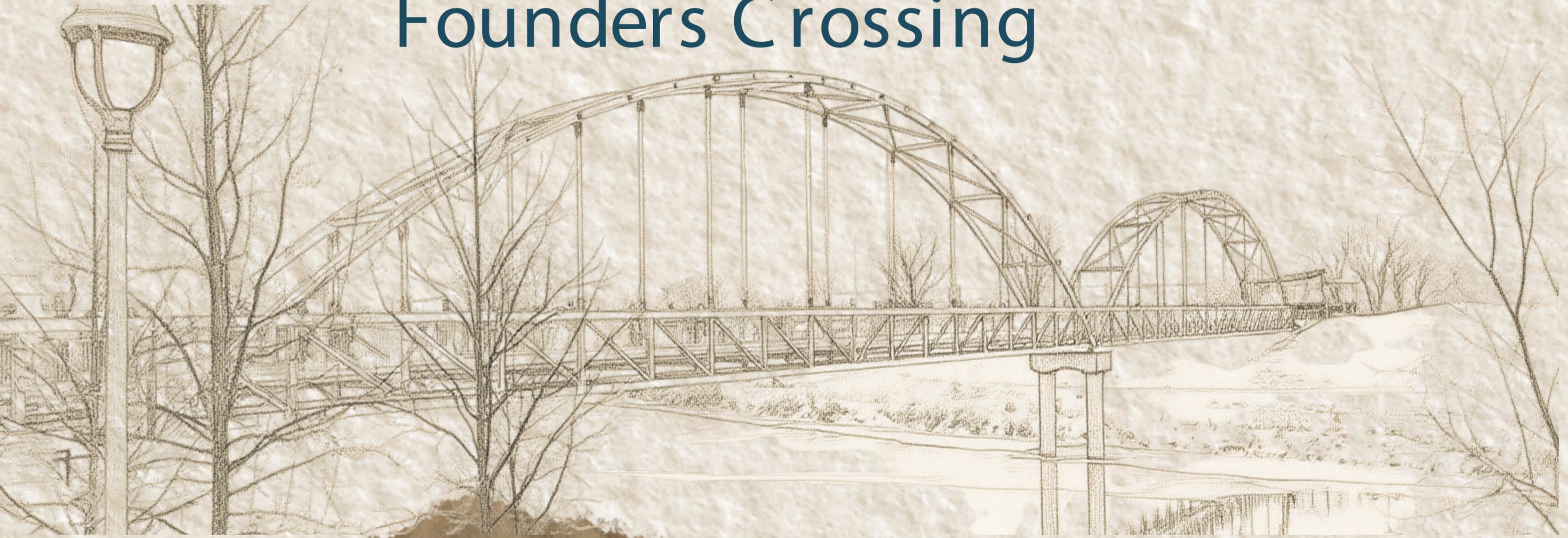


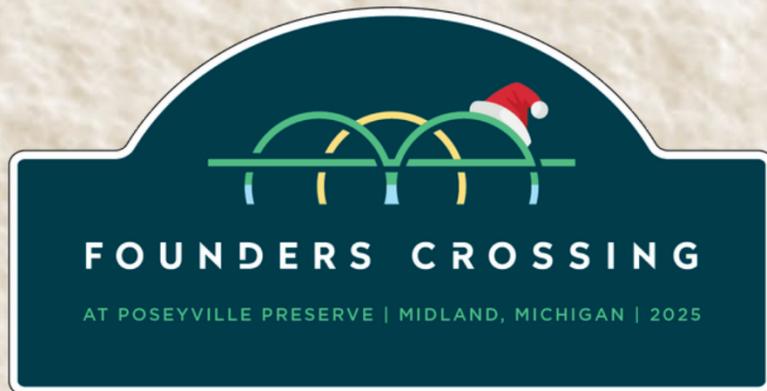
Poseyville Preserve

featuring

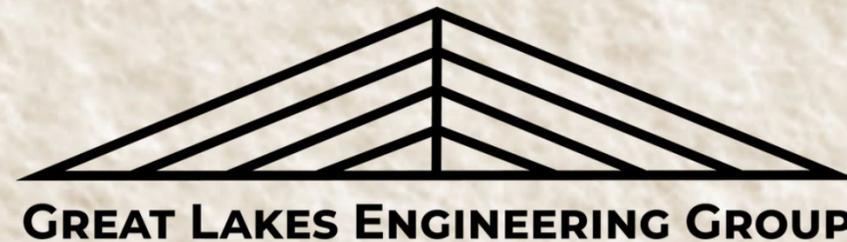
Founders Crossing



The Team



Prime Consultant



Fabricator



Lead Designer



Contractor



Background

- FEMA
- EGLE permits
- Brownfield site
- Funding/donations
- Improvement types, wetlands, boardwalks, fishing piers, elevated walkway
- Contractor selection process
- Graphics of overall site, concepts, etc.

PMBlough | PLaCE Studios
a studio of pmbrough

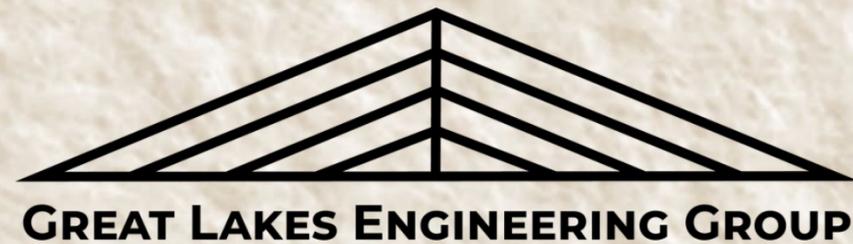


Background

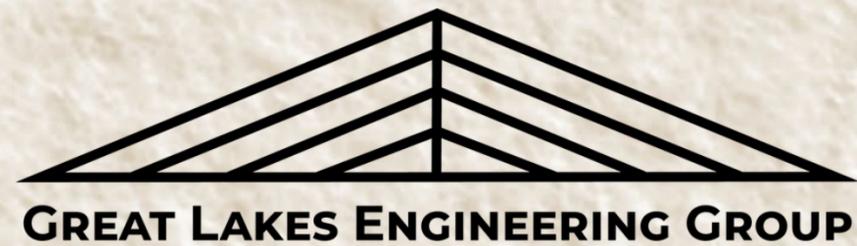


Elevated walkway concepts and design (foundations)

- Site visits to other pedestrian structures
- Foundation locations (FEMA) and types
- Proposed alignment; landings at N Main Street and “mound”
- Geotechnical considerations – caissons
- Short span at north end flared
- Coordination with Contech and Contractor
- Foundations for “leaf structures” at pavilion



Elevated walkway concepts and design (foundations)



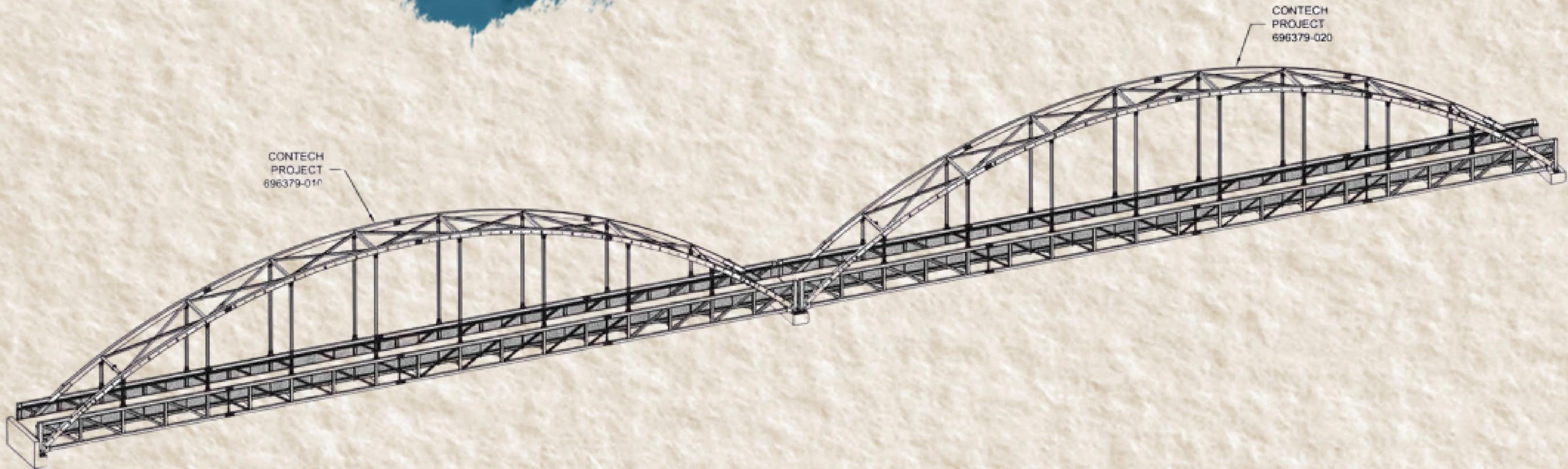
Elevated walkway concepts and design (foundations)



Elevated walkway concepts and design (foundations)



Elevated walkway superstructure design and fabrication



Unobstructed View Design



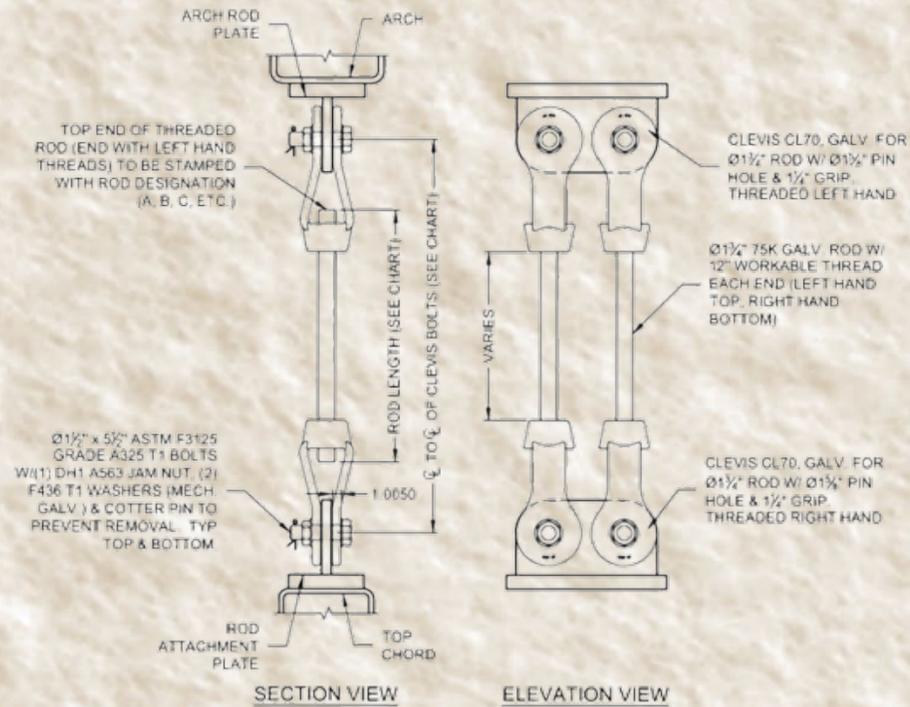
Traditional 220 ft Prefabricated Open Truss Design
Top of Deck to Top Chord ~ 9'-0" ft



Tied Arch 220 ft Prefabricated Truss Design
Top of Deck to Top Chord - 4'-6"

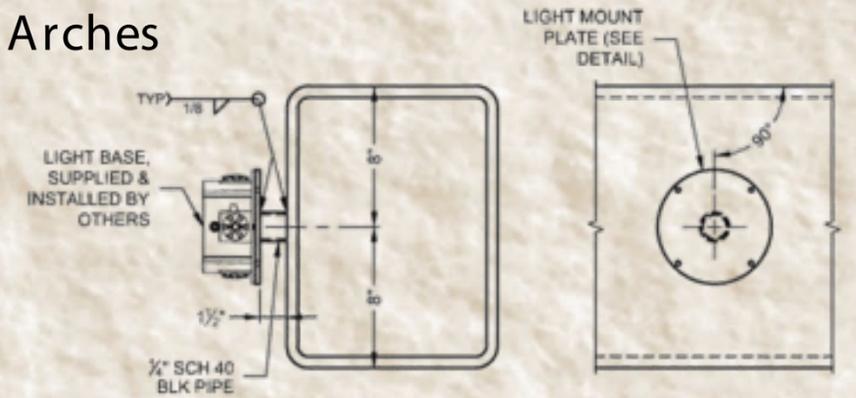
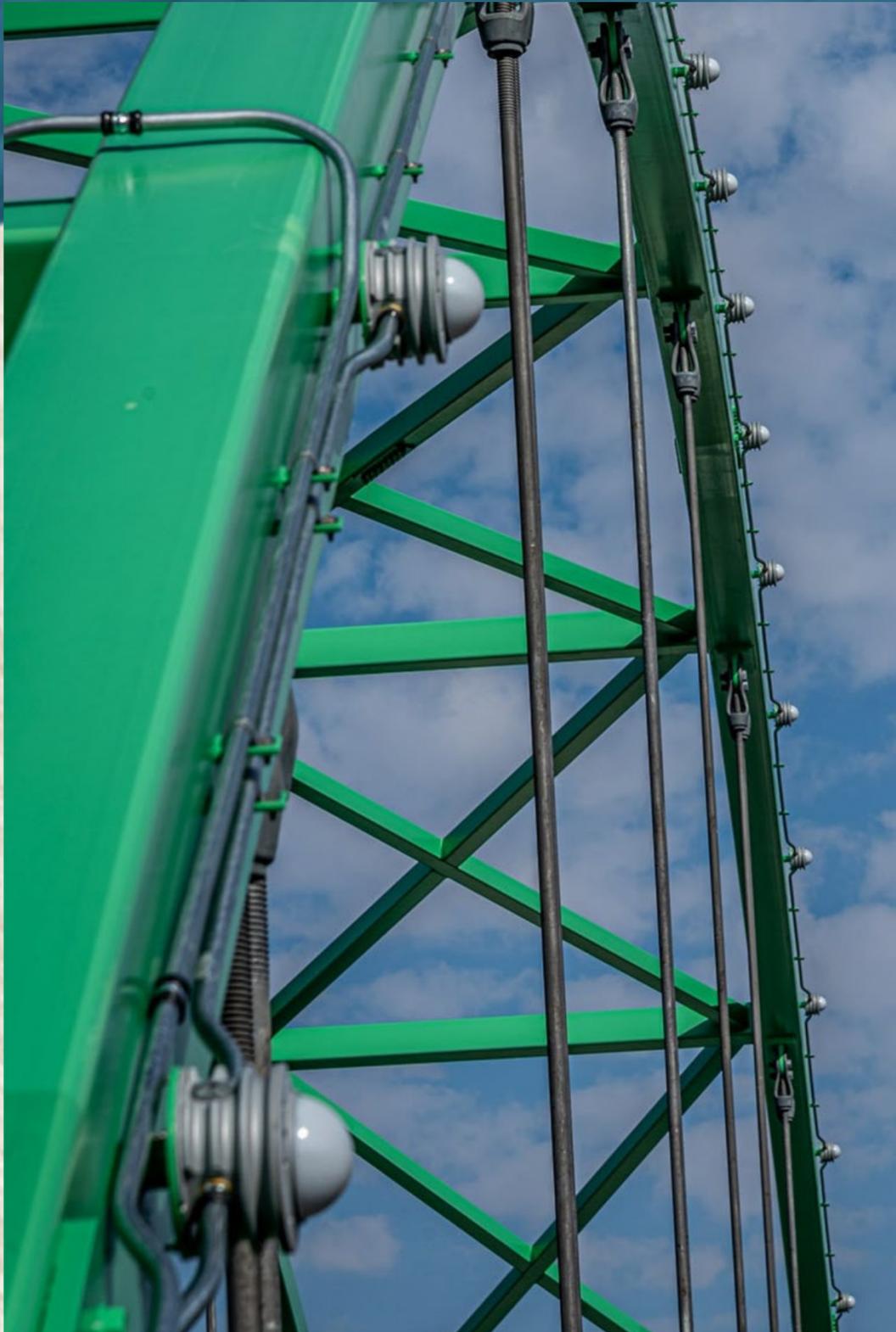
Tied Arch Design

- Bridge Spans: 220'-0" each
- Bridge Clear Width: 12'-0"
- Tied Arch Length: 204'-6"
 - 4 Section Lengths
- Varied Arch Height to 40'-0" Apex
- 16 Double Rod Connection Locations per Arch
- 32 Galvanized Clevis, Rod & Connection Hardware

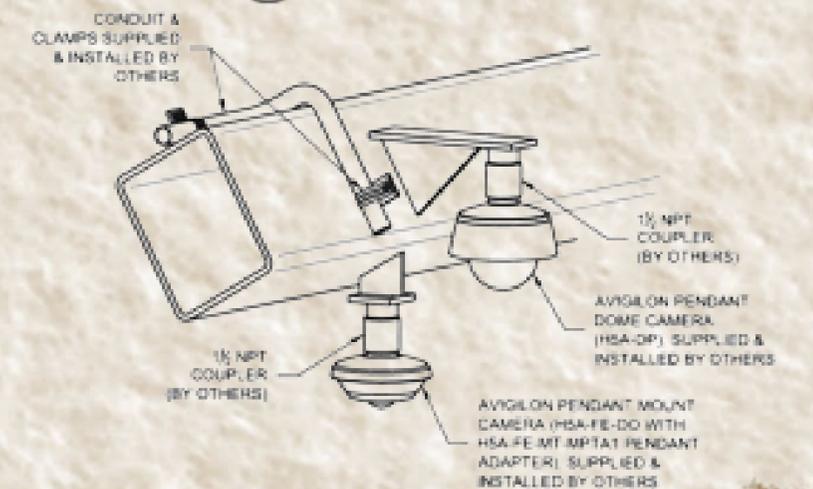


Lighting & Security

- 73 Handrail Lumenpod Puck Lights within the graspable handrail
 - Alternating positions at 6'-0" spacing create consistent lighted path
- 46 Arch Lights per span spaced at 9'-0"
- 2 Security Camera Mounted on Tied Arches

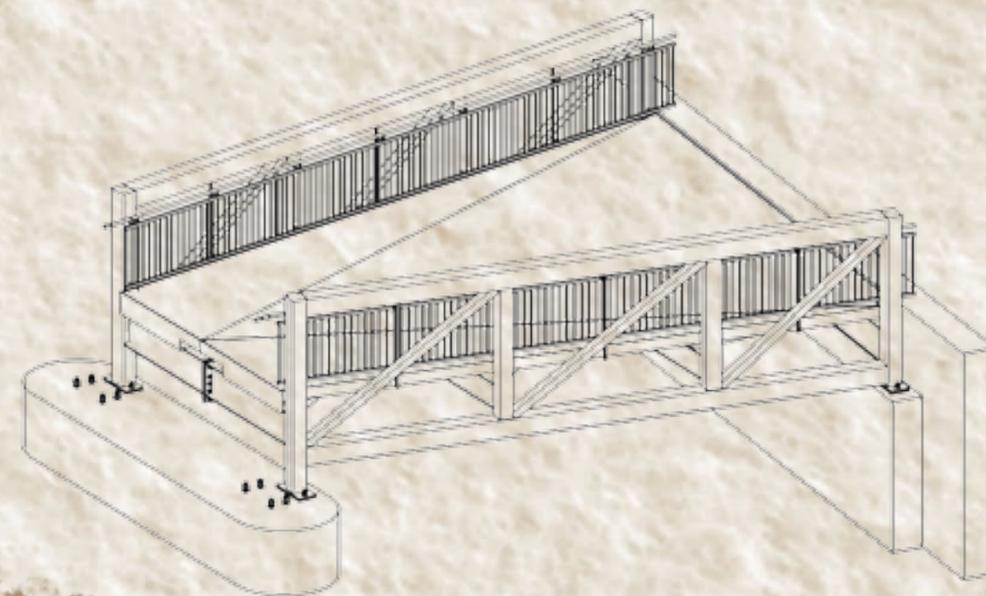
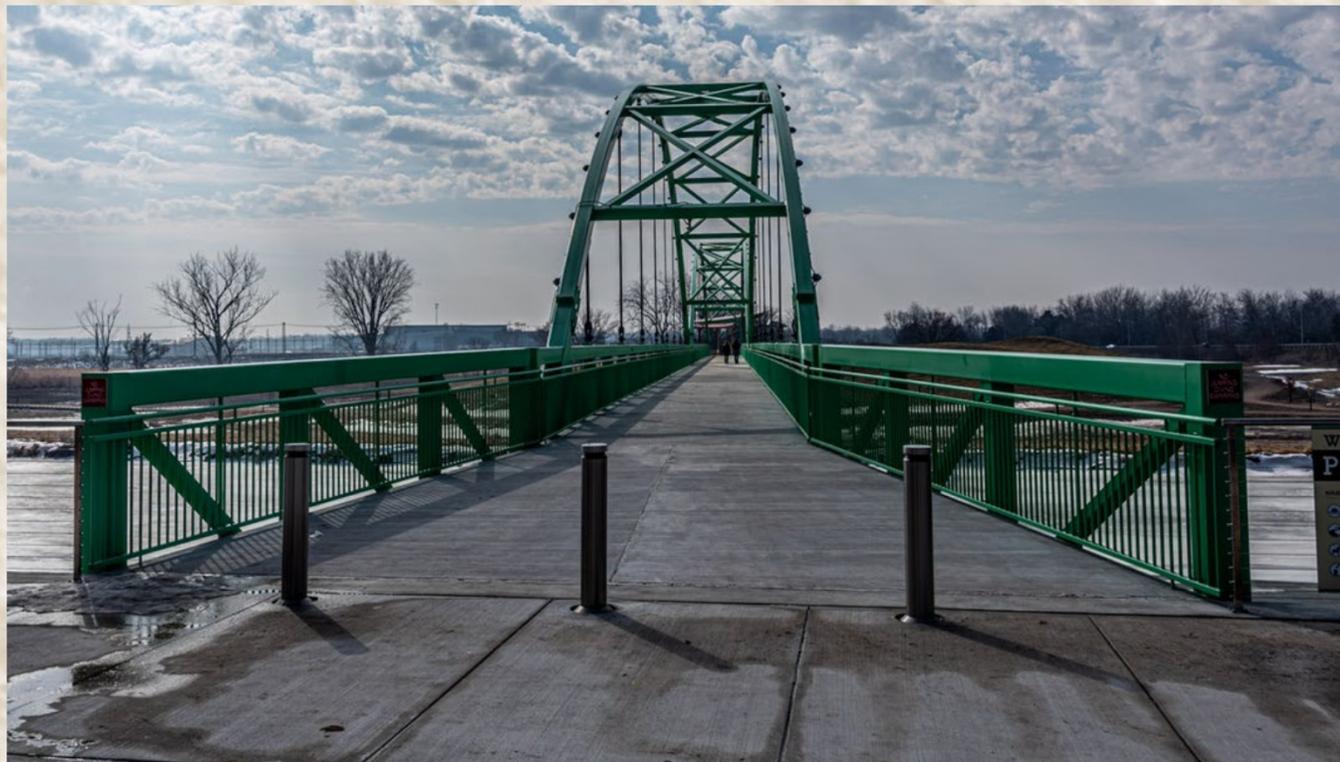


24 LIGHT BASE MOUNT DETAIL
12.13



Approach Span Design

- Prefabricated, Variable Width Approach Span from Main Street
 - 24 ft entrance down to 12 ft width matching tied arch span
 - Design is meant to invite public to access the bridge easily
- Matching Rail and Handrail Lighting Pattern



Construction

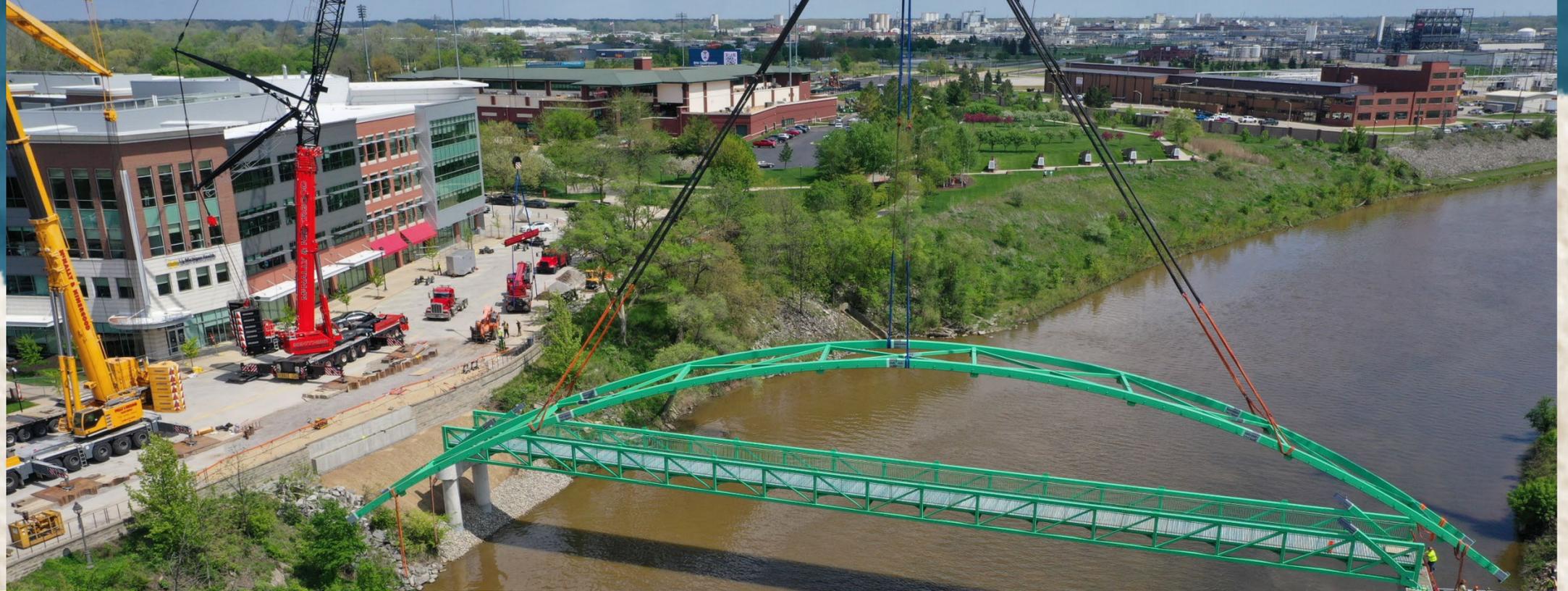
- Drilled caisson installation
- Assembly (on ground) and erection of trusses and tied-arches
 - Use of multiple, high-capacity cranes on both sides of river
- Casting and finishing of deck pours
- Construction of earth mound and pavilion at south end
- Reconstruction of N. Main Street, added pedestrian crossing, reconstruction of block retaining wall and railings, bollards, plaque
- GLEG provided limited, on-site construction inspection during critical items of work, including caisson and piling installation, concrete pours, and steel erection



Construction



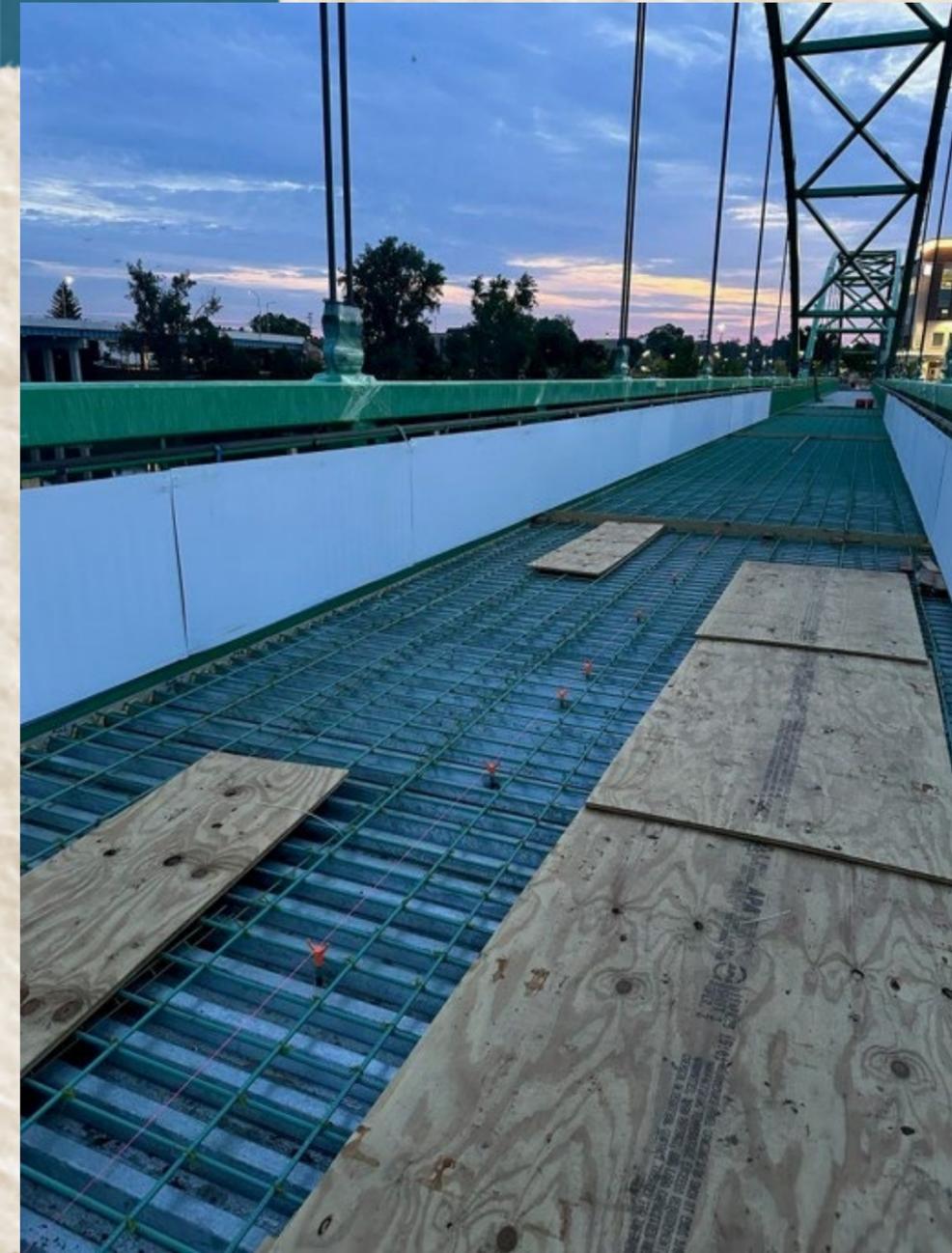
Construction



Construction

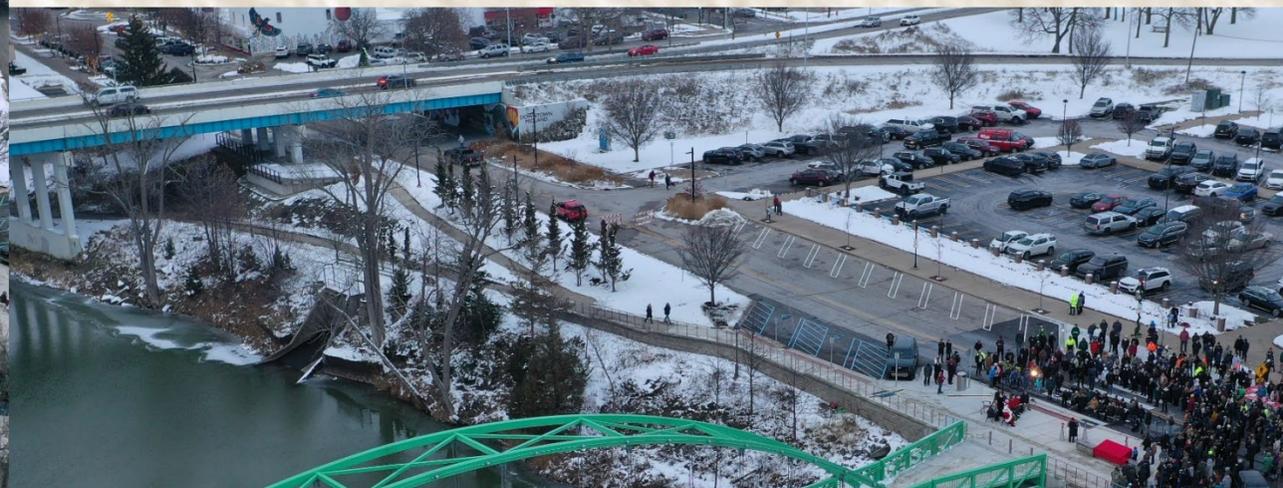


Construction



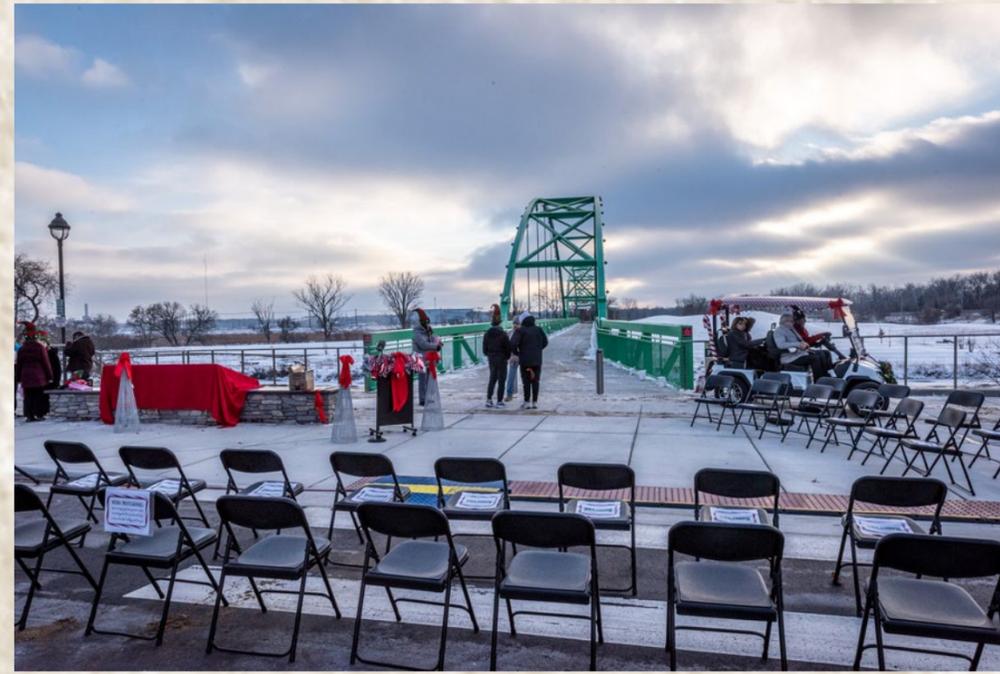
Poseyville Preserve Pedestrian Walkway

Ribbon Cutting of completed bridge held December 2, 2025



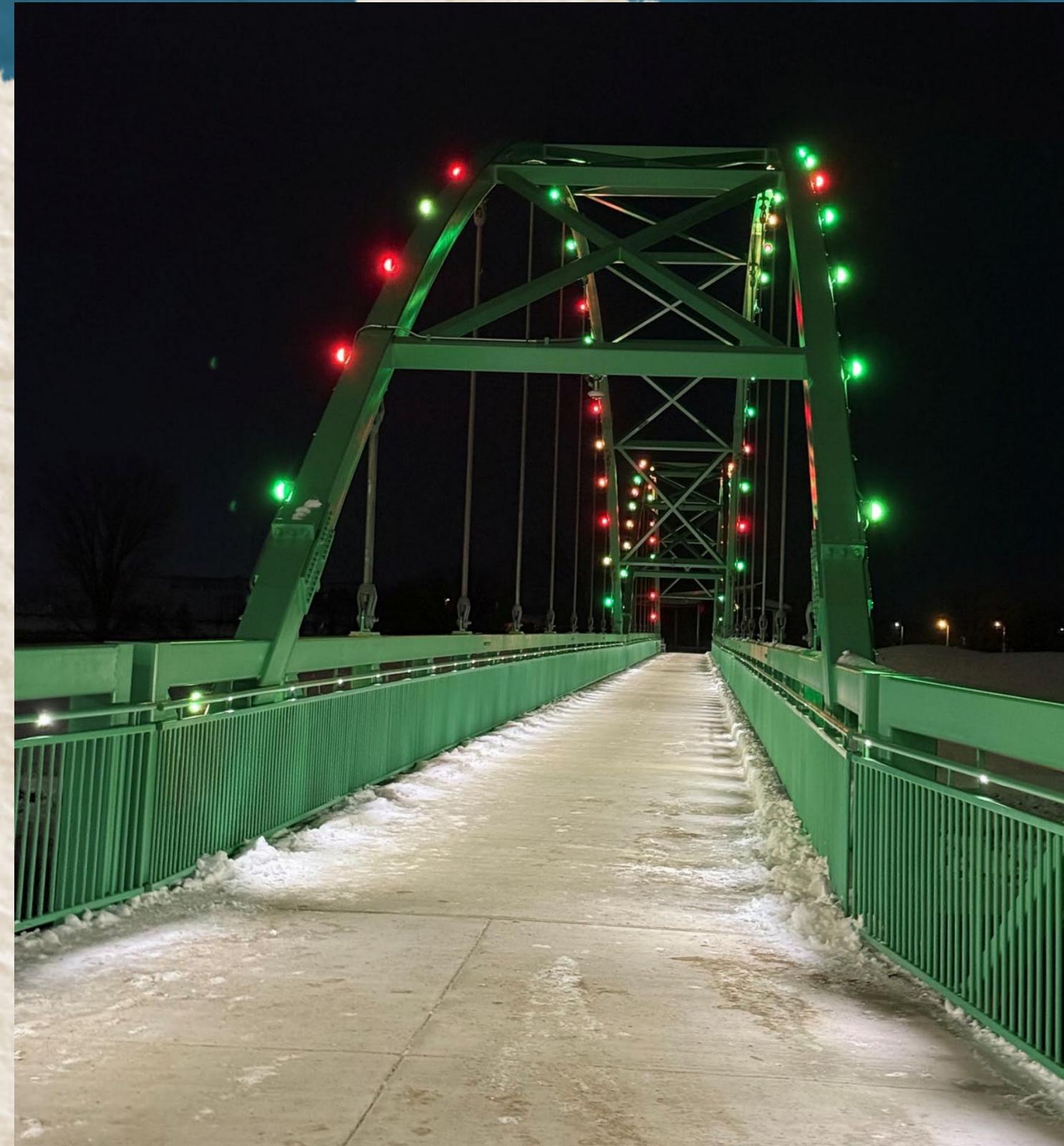
Poseyville Preserve Pedestrian Walkway

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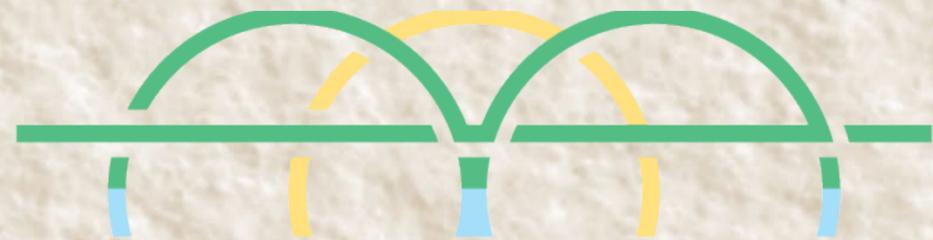
Poseyville Preserve Pedestrian Walkway

Ribbon Cutting to complete bridge held December 2, 2025





Questions?



FOUNDERS CROSSING

AT POSEYVILLE PRESERVE | MIDLAND, MICHIGAN | 2025



Thank
you