

RED WING BRIDGE PROJECT

US 63 River Bridge and Approach Roadways



Agenda

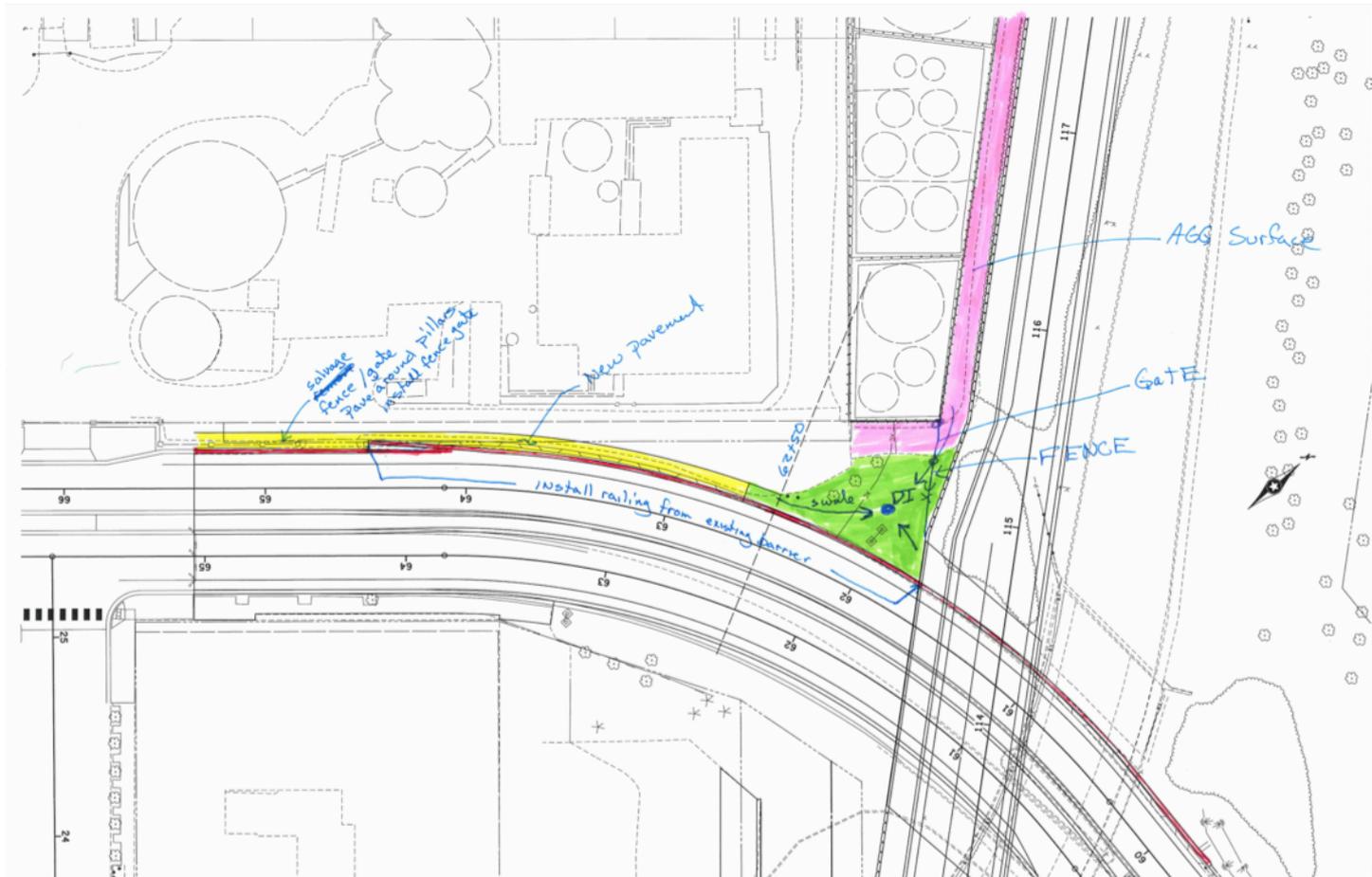
- Introductions
- Approach Roadways Design
- River Bridge Design
- Visual Quality
- Staging
- Project Schedule
- Utility Coordination
- Ongoing Fieldwork
- Environmental Update
- Right of Way Update
- Questions/Comments

Approach Roadways Design



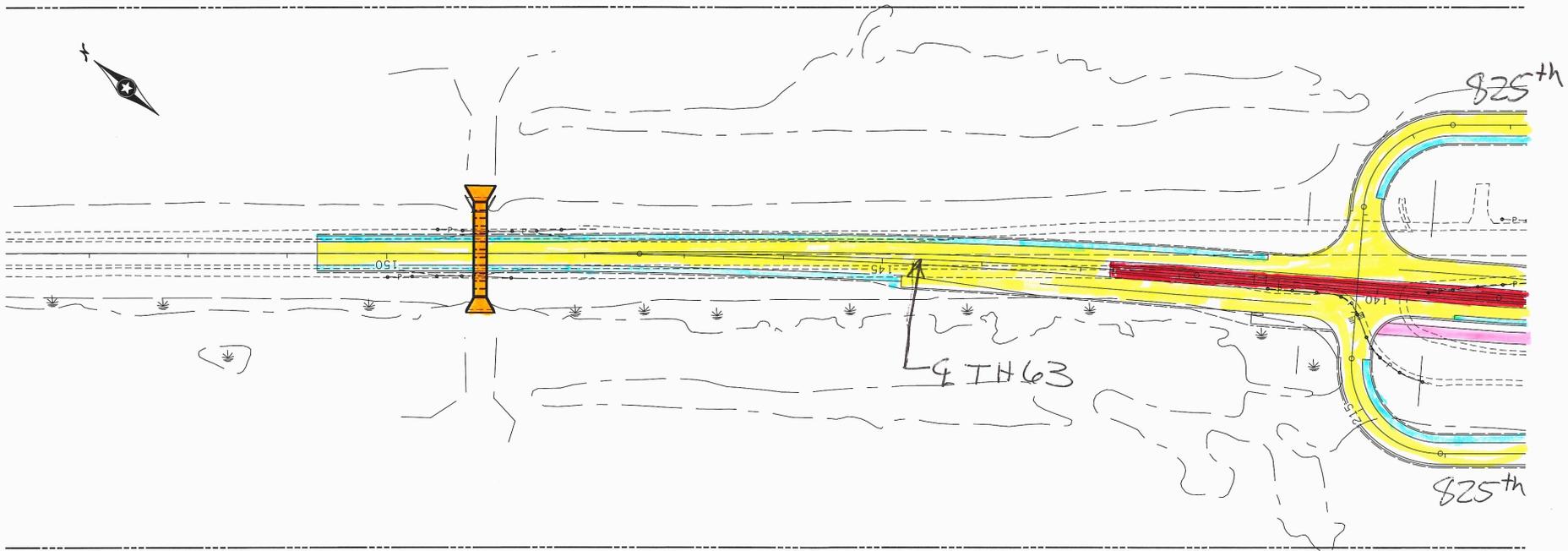
Approach Roadways Design

- Barrier along ADM



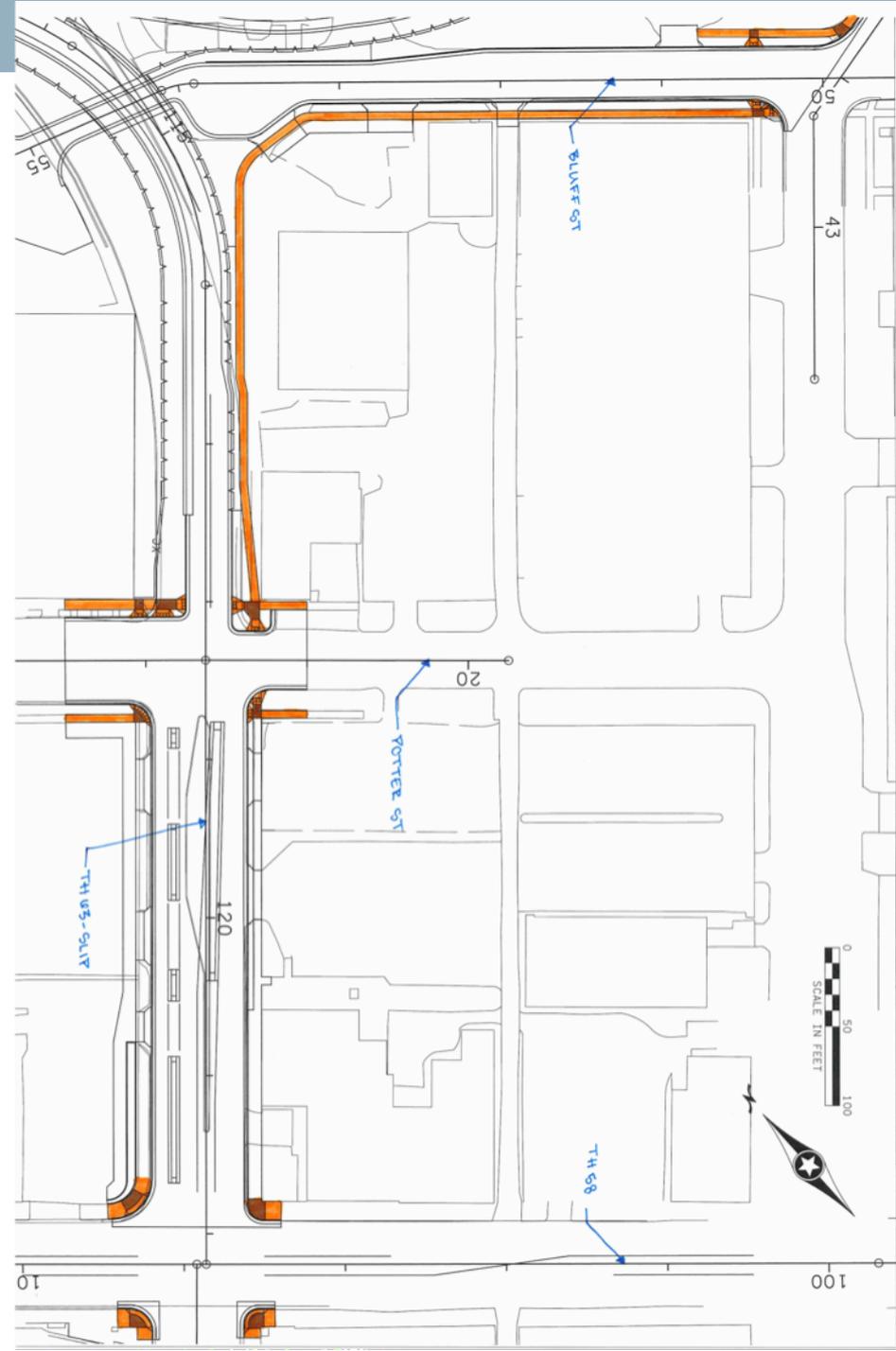
Approach Roadways Design

- Box Culvert Replacement



Approach Roadways Design

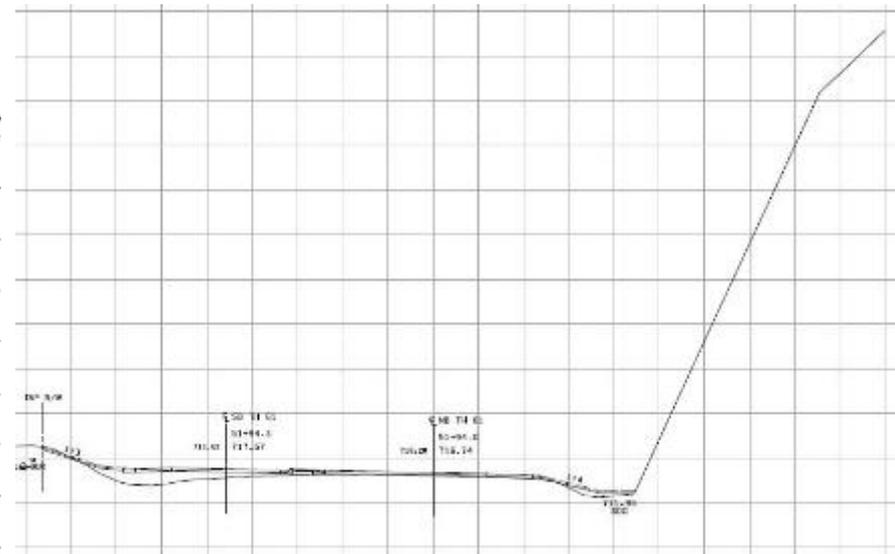
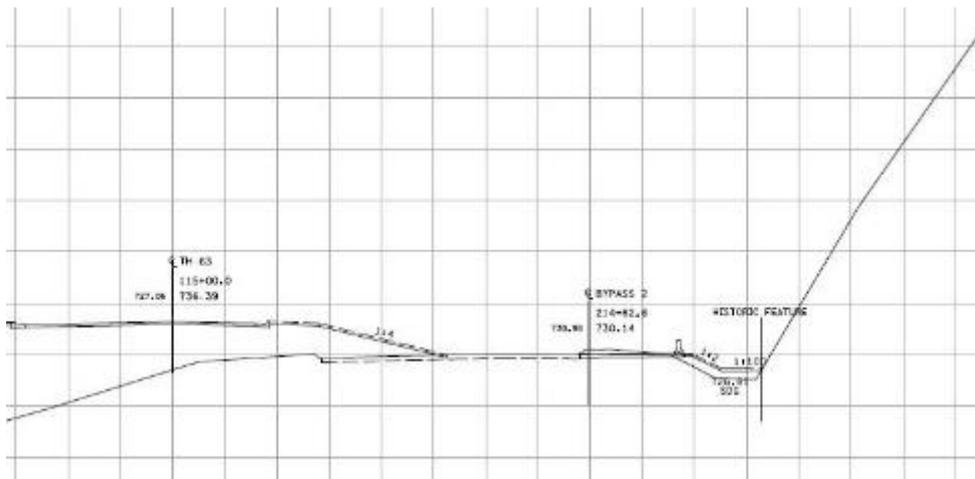
- Pedestrian Ramps
- Sidewalk along Coca-Cola & Bluff St



Approach Roadways Design

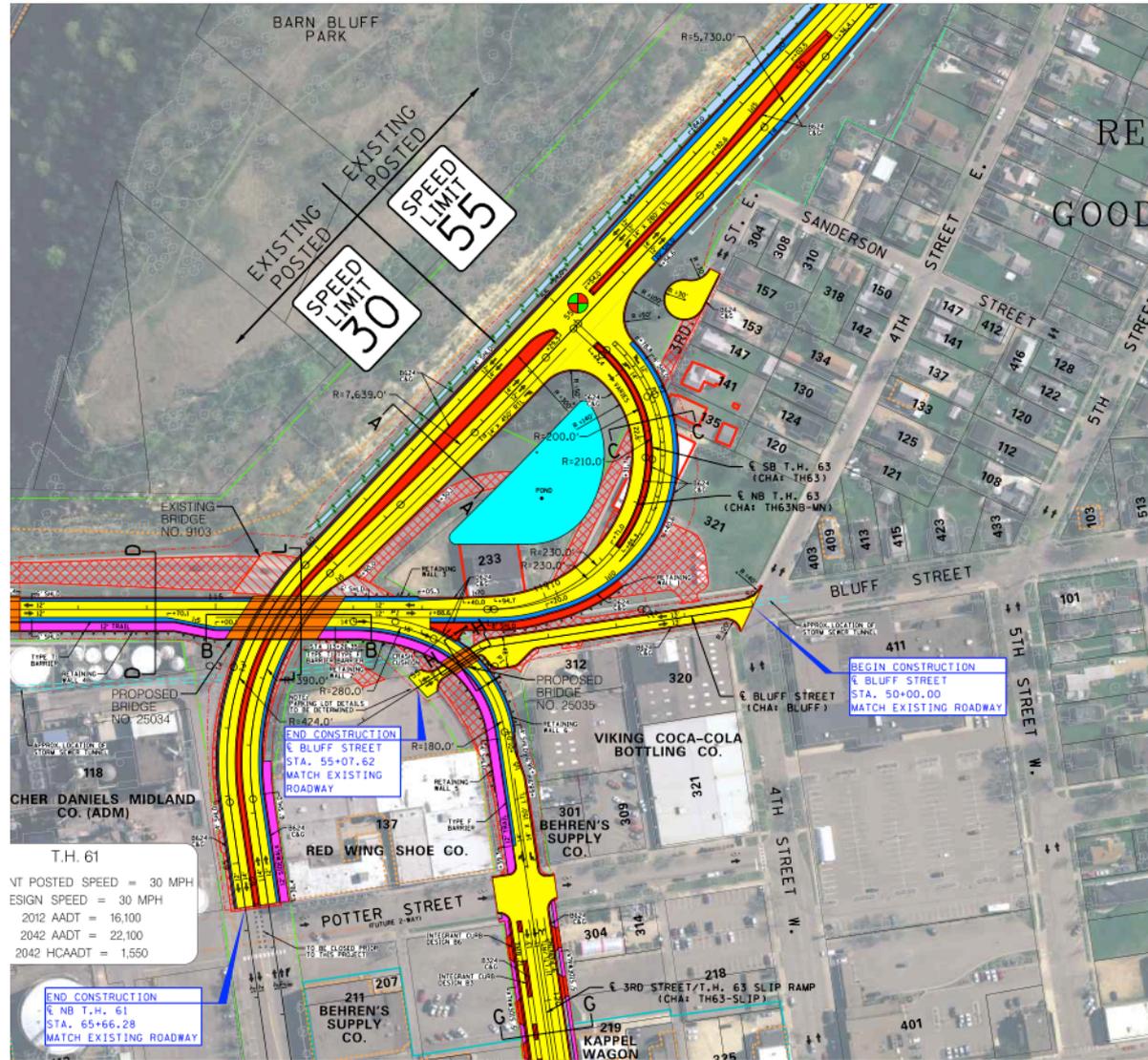
- Staging bypass

- TH 61 along Barn Bluff

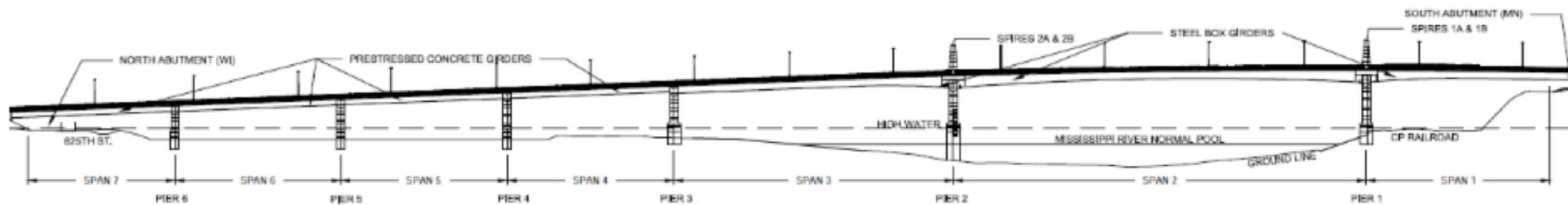


Approach Roadways Design

- Remove Pond
- Use Ditches and Water Quality
- Manholes instead

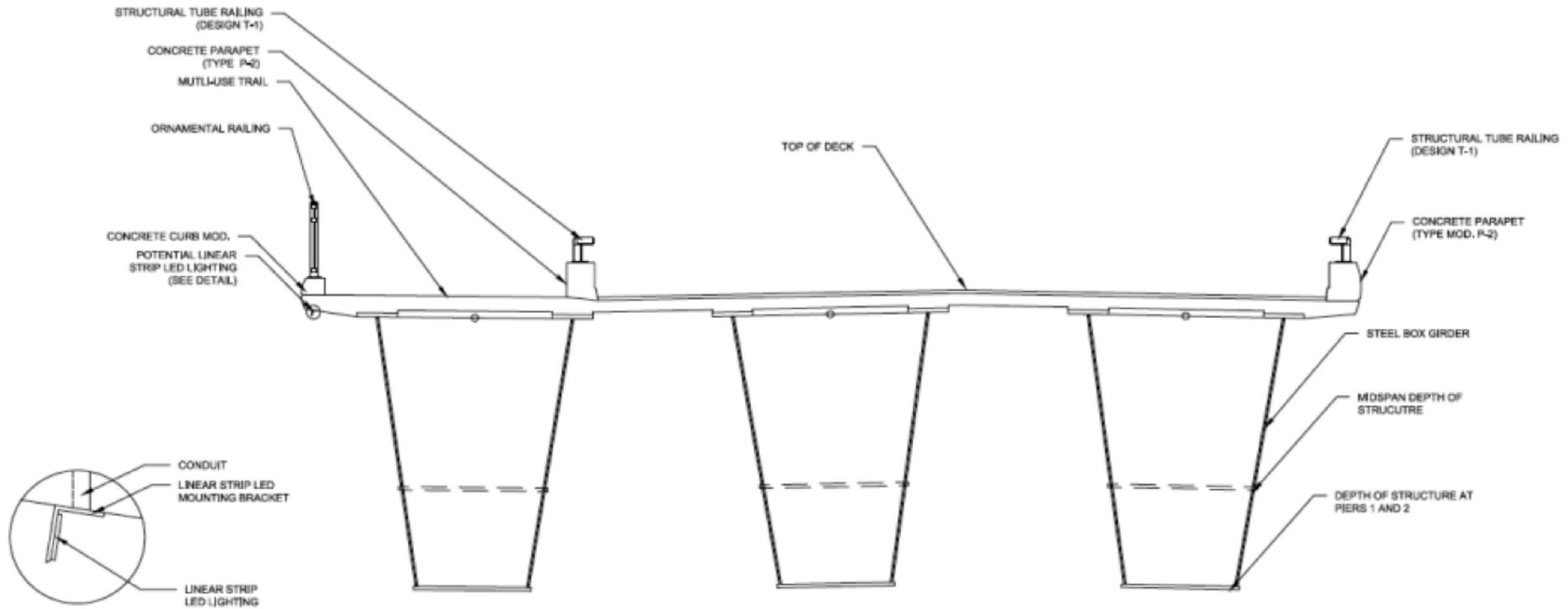


River Bridge Design



Elevation of River Bridge

River Bridge Design



Potential Linear LED Strip Lighting Detail

Section of Bridge Deck and Girders

River Bridge Final Design



Visual Quality

- Light Wash



Visual Quality

- River Bridge Piers



Visual Quality

- River Bridge overlook and spires (Day)



Visual Quality

- River Bridge overlook and spires (Evening)



Visual Quality

- Hwy 61 overpass bridge and retaining walls



Visual Quality

- Slip ramp bridge



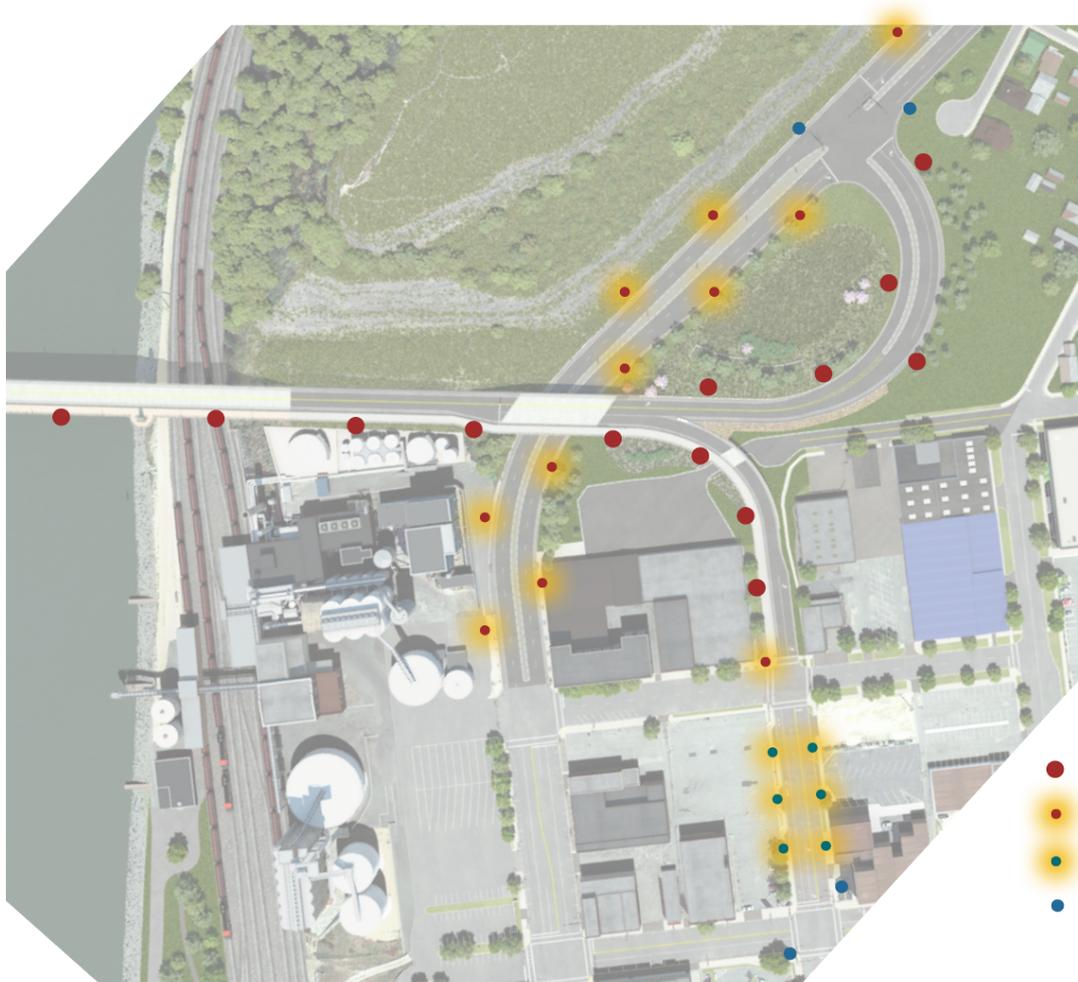
Visual Quality

- Landscaping



Visual Quality

- Lighting Overview



- MNDOT STANDARD LIGHTING
- CITY OF RED WING LIGHTING UNIT 1
- CITY OF RED WING LIGHTING UNIT 2
- SIGNAL LIGHTING

Visual Quality

- Lighting Overview

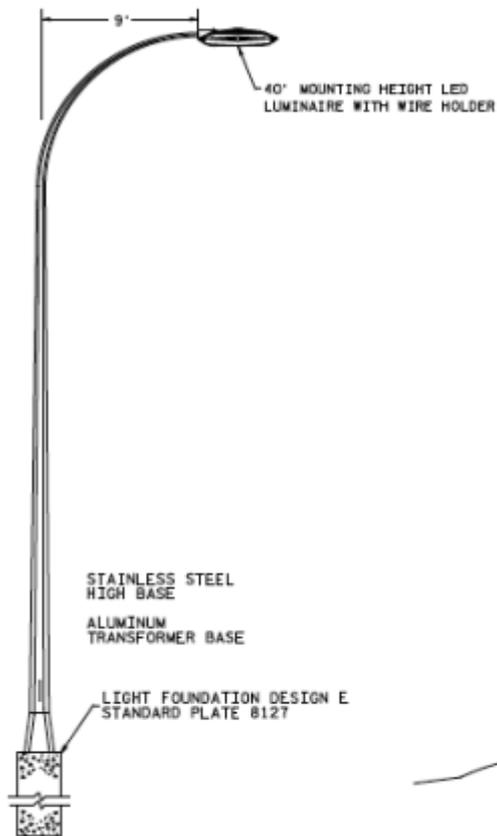


● MNDOT STANDARD LIGHTING

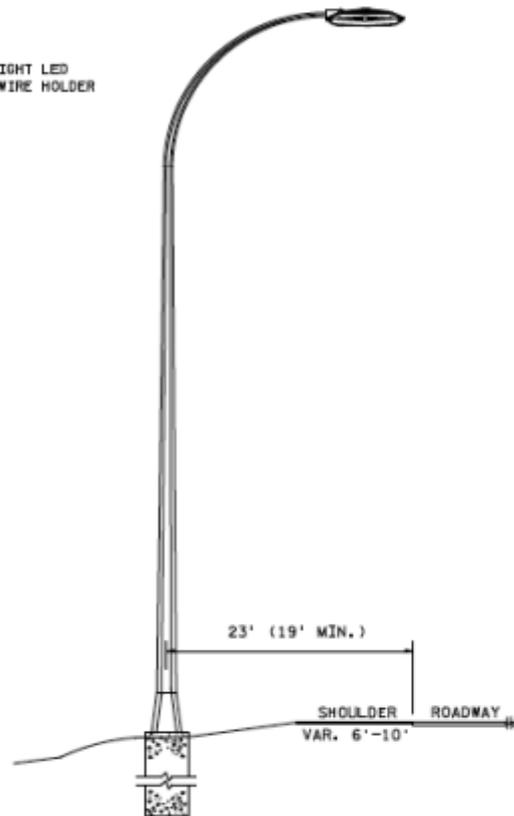
● WISDOT STANDARD LIGHTING

Visual Quality

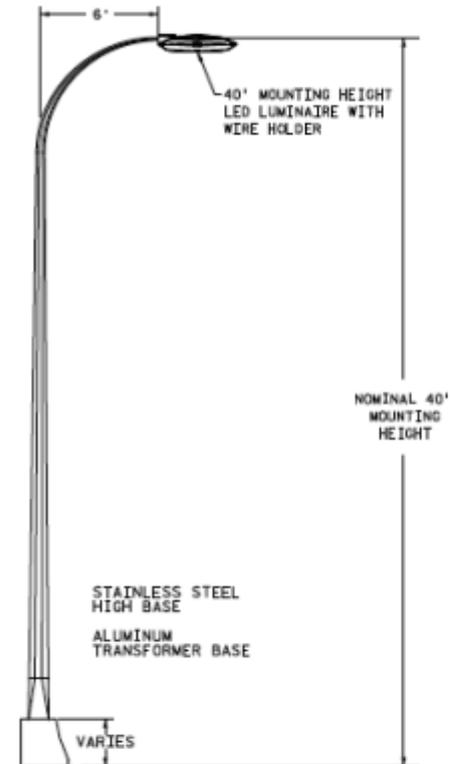
- MnDOT Standard Lighting



LIGHTING UNIT TYPE 9-40
(BREAKAWAY, NOT TO SCALE)



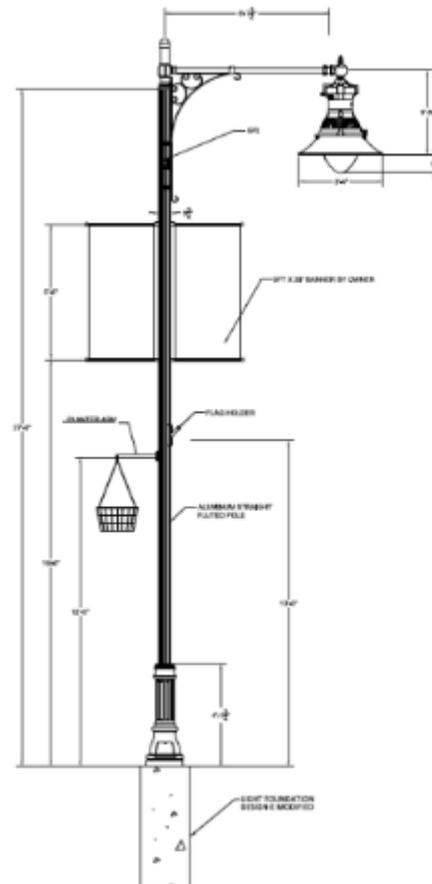
PLACEMENT OF LIGHTING UNIT
TYPE 9-40
(NOT TO SCALE)



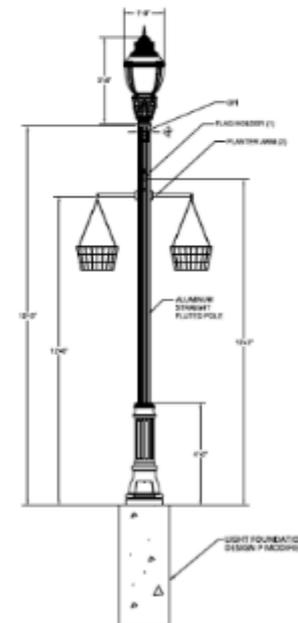
LIGHTING UNIT TYPE 6B-40
(NOT TO SCALE)
REFER TO BRIDGE PLANS FOR BOLT CLUSTER DETAIL

Visual Quality

- City of Red Wing Lighting



LIGHTING UNIT TYPE SPECIAL 1
NOT TO SCALE

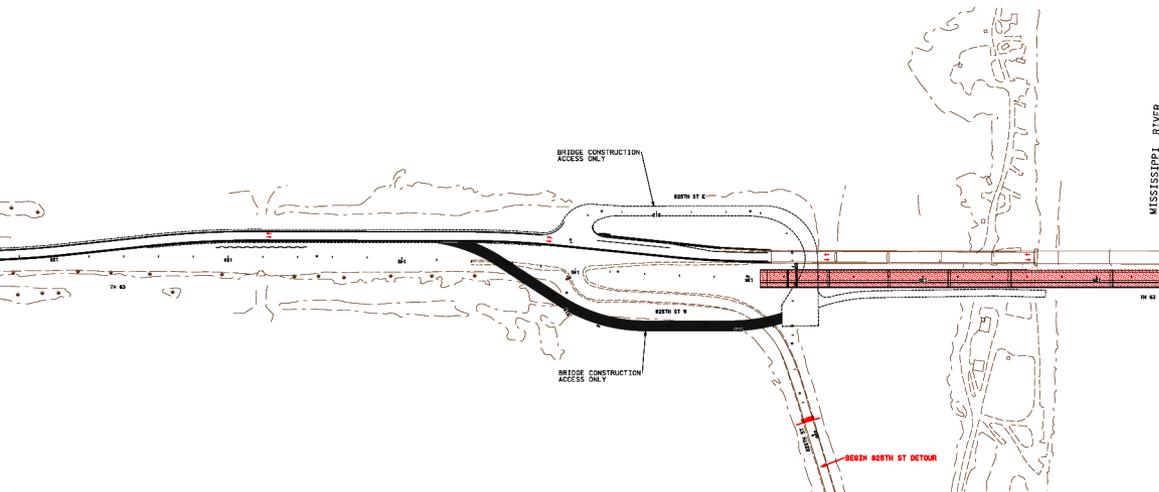


LIGHTING UNIT TYPE SPECIAL 2
NOT TO SCALE

Staging - 2018 – Stage 2

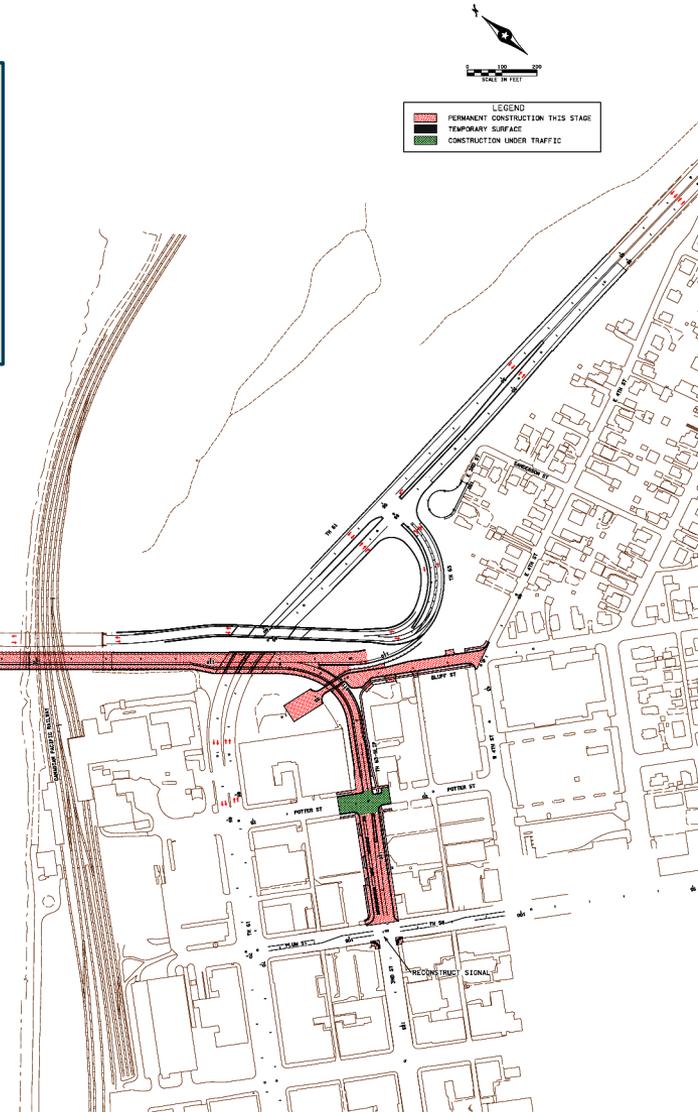
Construction

- Construction of River Bridge
- Construct new bridge over Hwy 61, slip ramp, slim ramp bridge, 3rd Street, and Bluff Street



Traffic

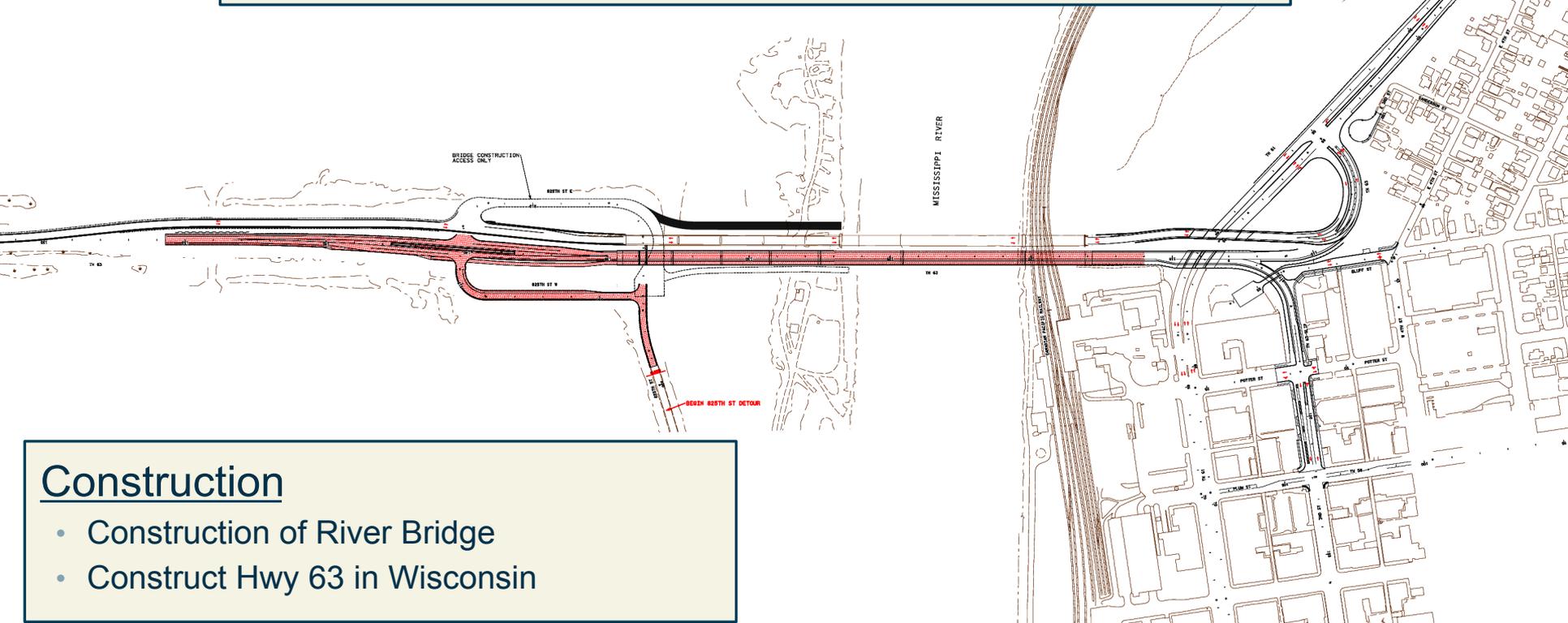
- Hwy 63 traffic remains on existing River Bridge and routed onto temporary bridge and button-hook ramp to new signalized intersection with Hwy 61
- 825th St closed at River Bridge and traffic detoured
- 3rd St closed, traffic allowed thru at Potter St.



Staging - 2019 – Stage 3

Traffic

- Hwy 63 traffic remains on existing River Bridge and routed onto temporary bridge and button-hook ramp to new signaled intersection with Hwy 61
- Two lane traffic each way on Hwy 61
- 825th St closed at River Bridge and traffic detoured
- 3rd St and Bluff St open



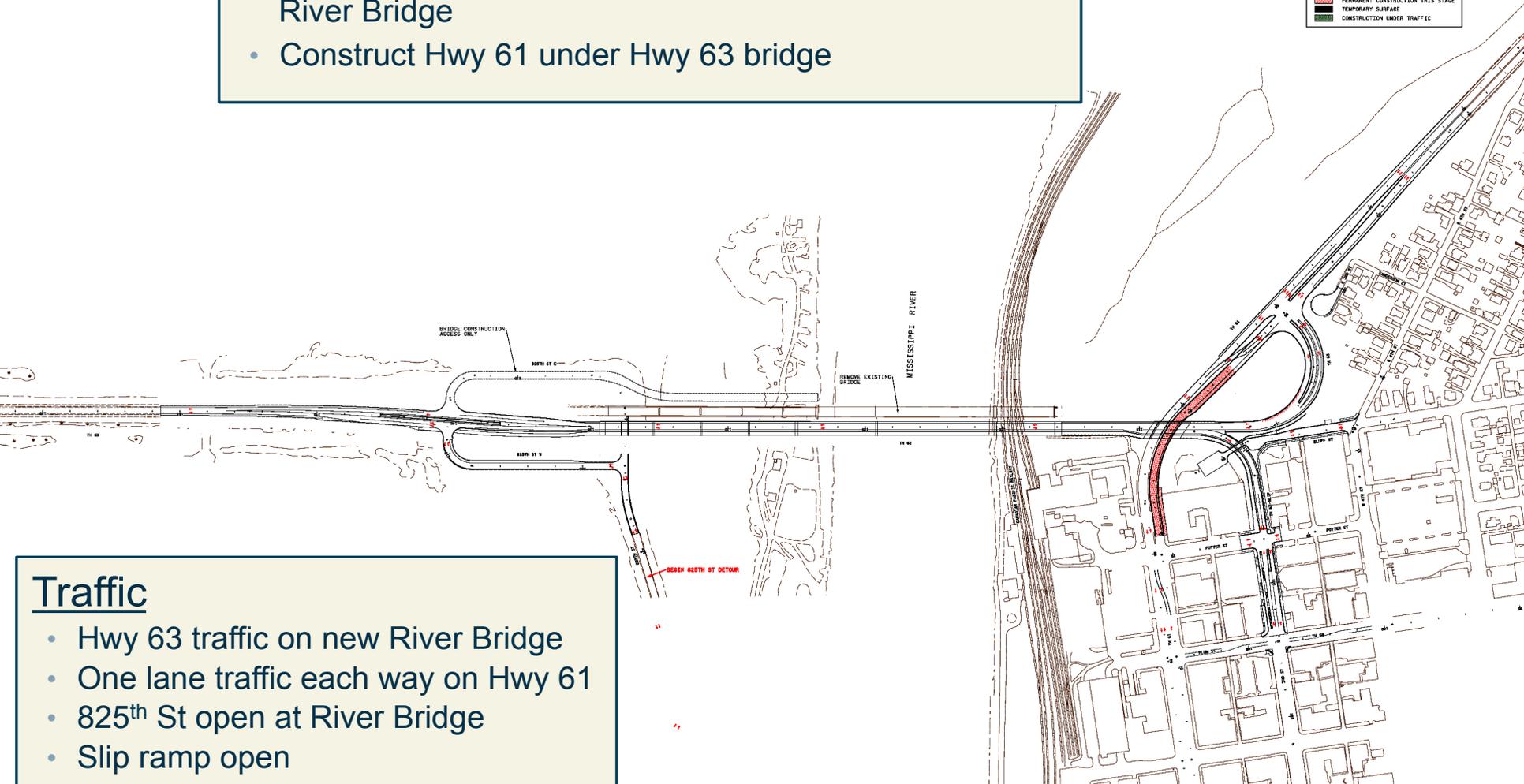
Construction

- Construction of River Bridge
- Construct Hwy 63 in Wisconsin

Staging - 2020 – Stage 4A

Construction

- Construction of River Bridge complete, remove existing River Bridge
- Construct Hwy 61 under Hwy 63 bridge



Traffic

- Hwy 63 traffic on new River Bridge
- One lane traffic each way on Hwy 61
- 825th St open at River Bridge
- Slip ramp open

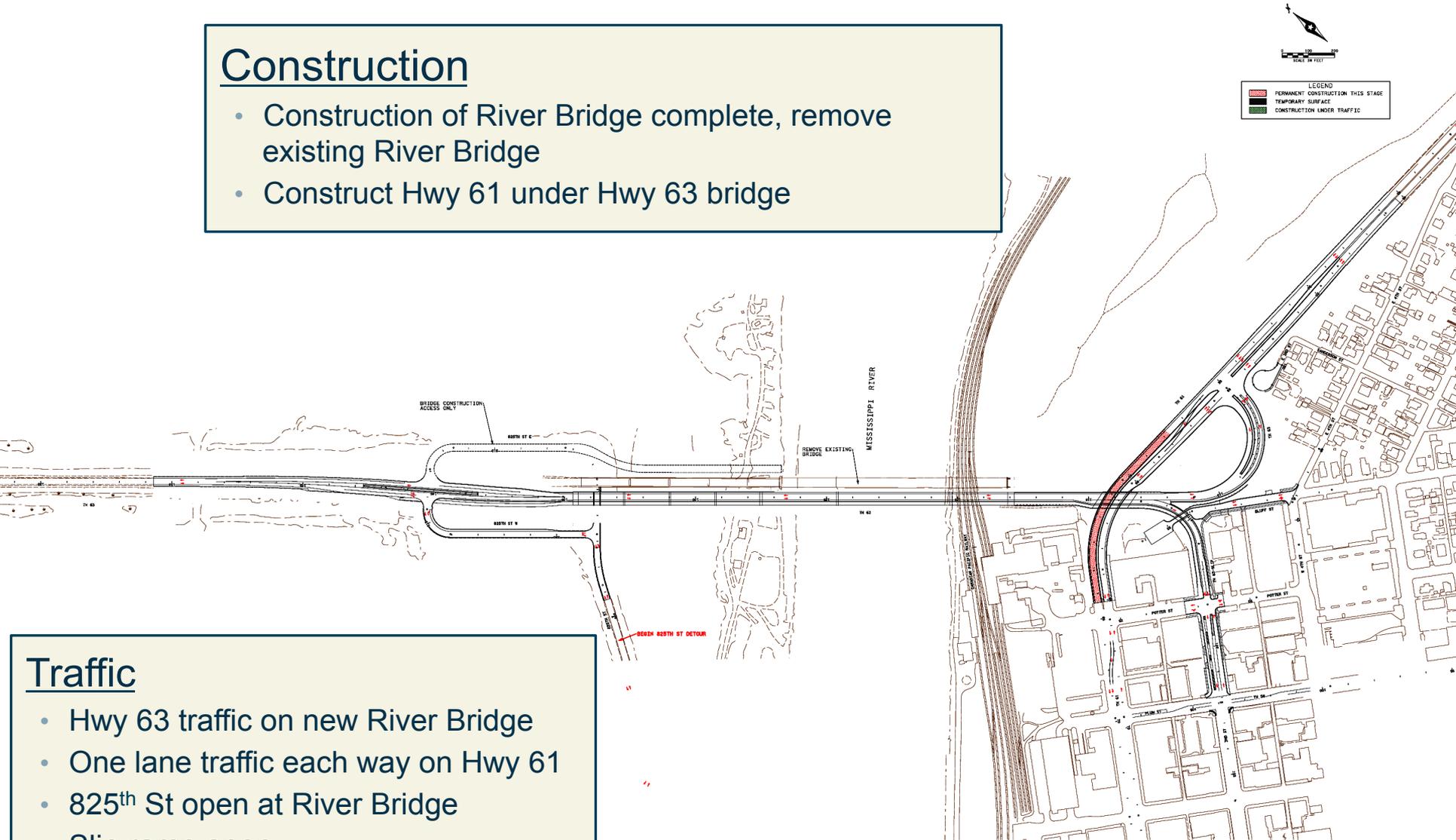
Staging - 2020 – Stage 4B

Construction

- Construction of River Bridge complete, remove existing River Bridge
- Construct Hwy 61 under Hwy 63 bridge

Traffic

- Hwy 63 traffic on new River Bridge
- One lane traffic each way on Hwy 61
- 825th St open at River Bridge
- Slip ramp open



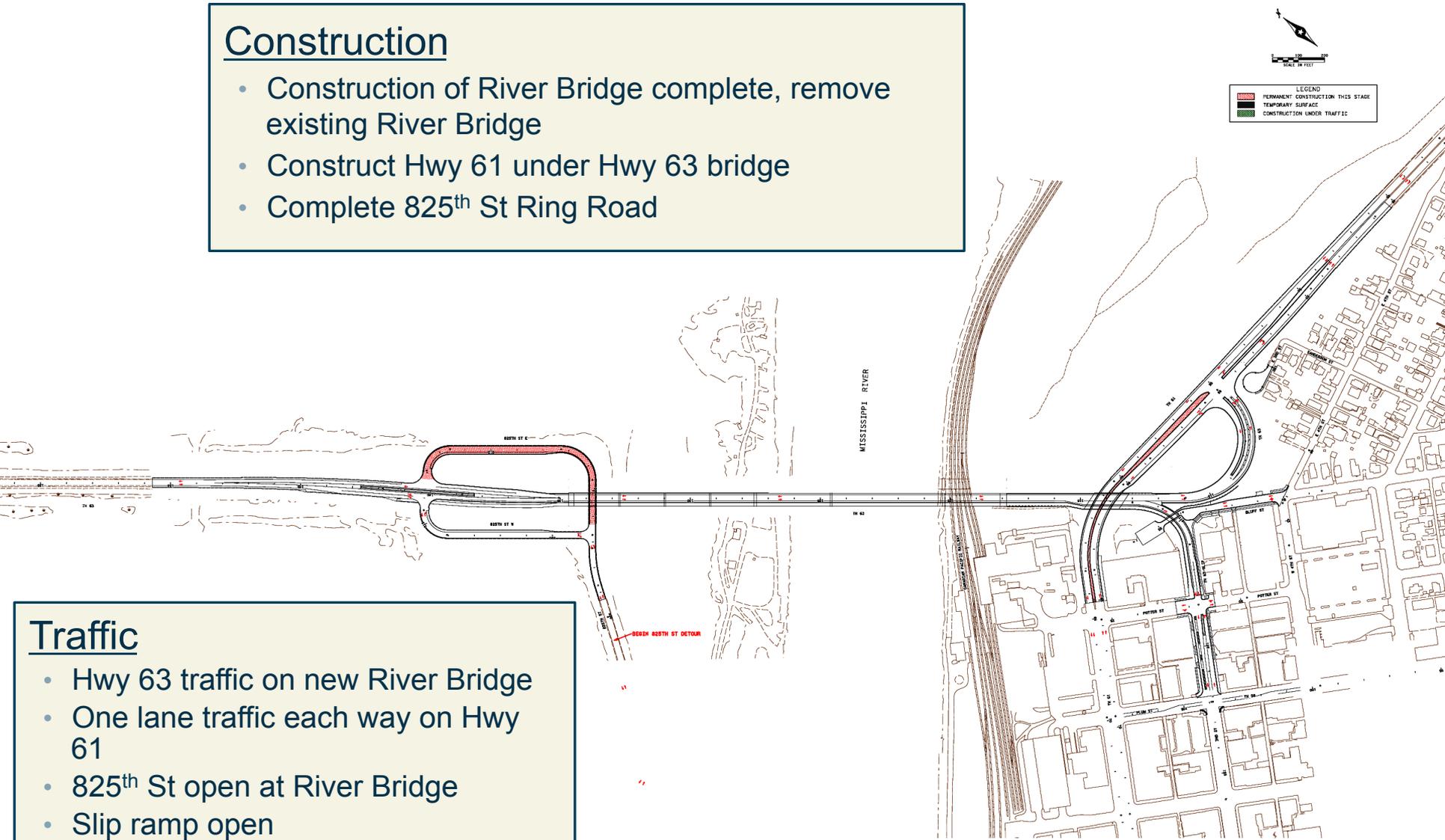
Staging - 2020 – Stage 5

Construction

- Construction of River Bridge complete, remove existing River Bridge
- Construct Hwy 61 under Hwy 63 bridge
- Complete 825th St Ring Road

Traffic

- Hwy 63 traffic on new River Bridge
- One lane traffic each way on Hwy 61
- 825th St open at River Bridge
- Slip ramp open



Project Schedule

- Final design initiated: September 2015
- 30% plan submittal: February 2016
- 60% plan submittal: May 2016
- 90% plan submittal: September 2016
- 100% plan submittal: November 2016
- Project letting: February 2017
- Construction: 2017-2020

Utility Coordination

- Subsurface Utility Engineering (SUE) complete
- Utility Information Meeting held January 7, 2016
- *Utilities: CenturyLink, Charter Communications, City of Red Wing, CP Railway, Hager Telecom / BevComm, Hiawatha Broadband, Rogers Communications, We Energies, Windstream Communications, Xcel Energy – MN and WI Electric Distribution, Transmission, MN Gas*
- Next Utility Meeting- June 2016

Ongoing Fieldwork

- Environmental borings
- Surveying
- Geotechnical Borings

Environmental Update

- FONSI Status
- Contaminated Properties coordination
- Environmental agency coordination and permits

Right-of Way Update

- Total Acquisitions (begin February 2016)
 - Legal descriptions being prepared
 - Appraisals nearing completion
 - Environmental clearance needed
- Partial Acquisitions/Easement
 - Construction limits currently being finalized

Questions/Comments

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