



Red Wing Bridge Project



PAC #9/TAC #12 Meeting
September 18, 2014

Your Destination...Our Priority





Agenda

- Introductions
- Preliminary Design Update
- Environmental Assessment Update
- Visual Quality Process
- Public Outreach Update
- Schedule
- Next Meeting





Overview of Major Decisions

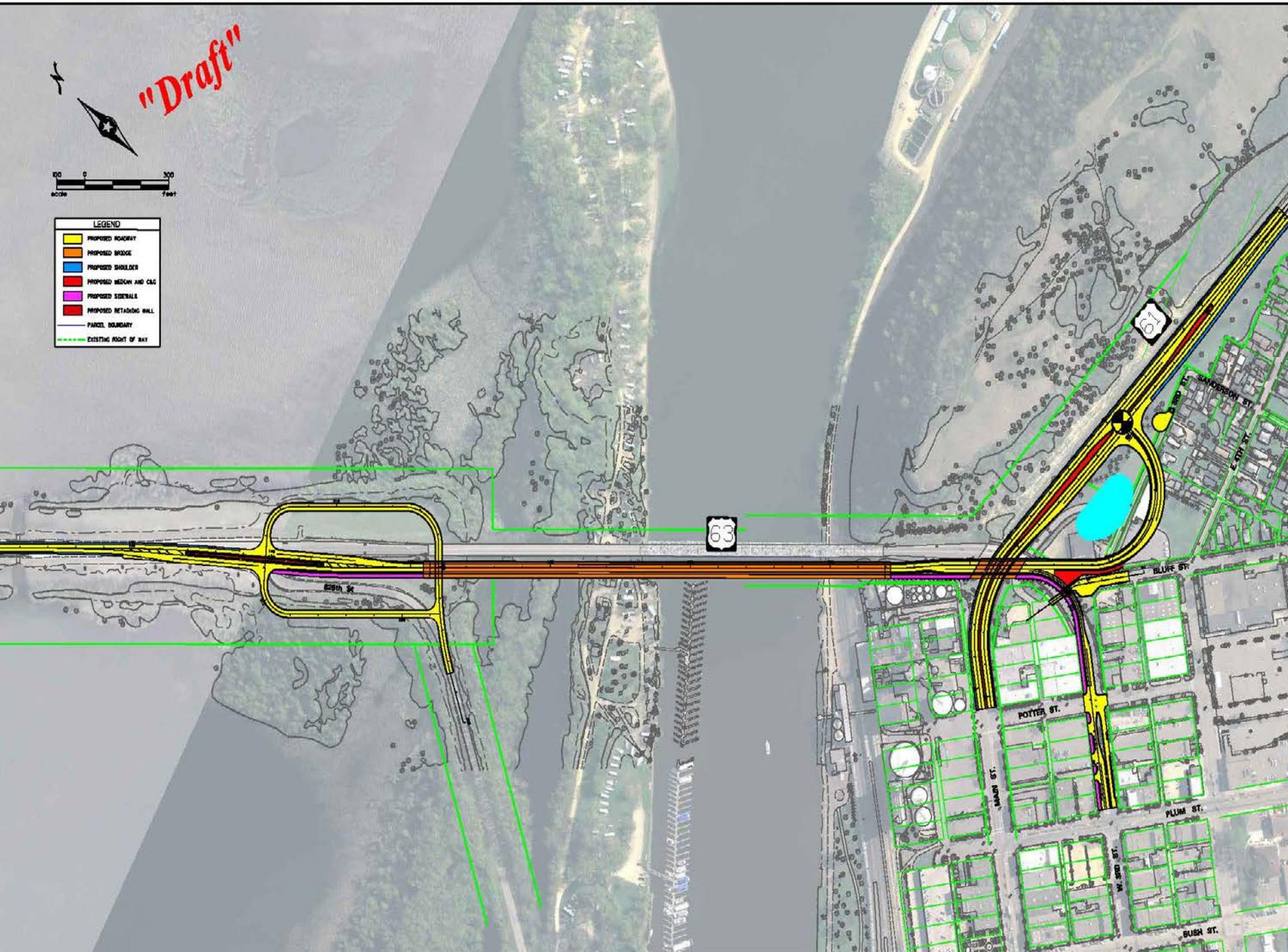
- Decided to proceed with a new two-lane river crossing (steel box girder design);
- Identified a recommended alternative for the Wisconsin approach (jug-handle intersection);
- Identified a recommended alternative for the Minnesota approach (button-hook with slip-ramp)



"Draft"



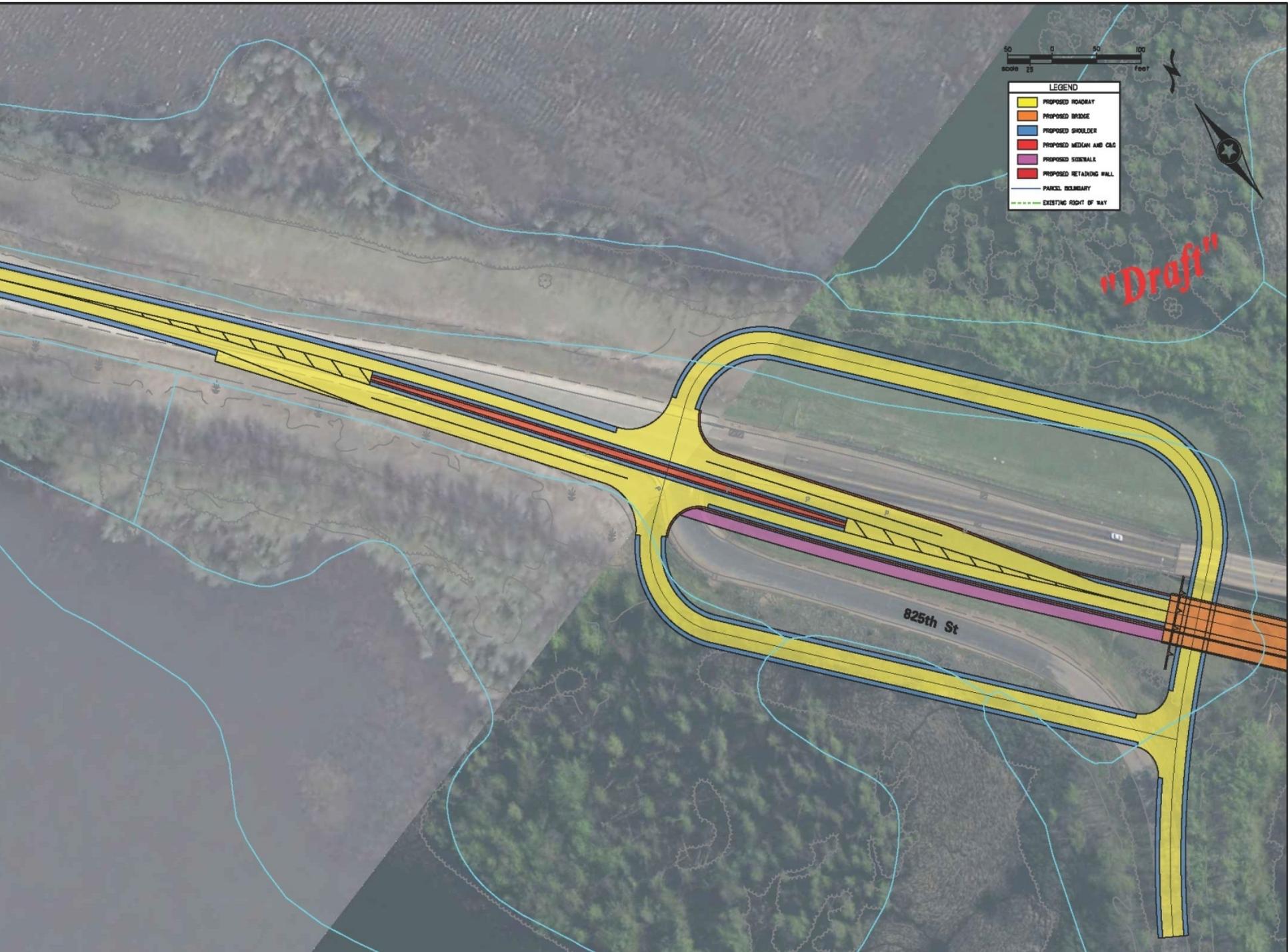
LEGEND	
	PROPOSED ROADWAY
	PROPOSED BRIDGE
	PROPOSED SHOULDER
	PROPOSED MEDIAN AND C&G
	PROPOSED SIDEWALK
	PROPOSED RETAINING WALL
	PARCEL BOUNDARY
	EXISTING RIGHT OF WAY



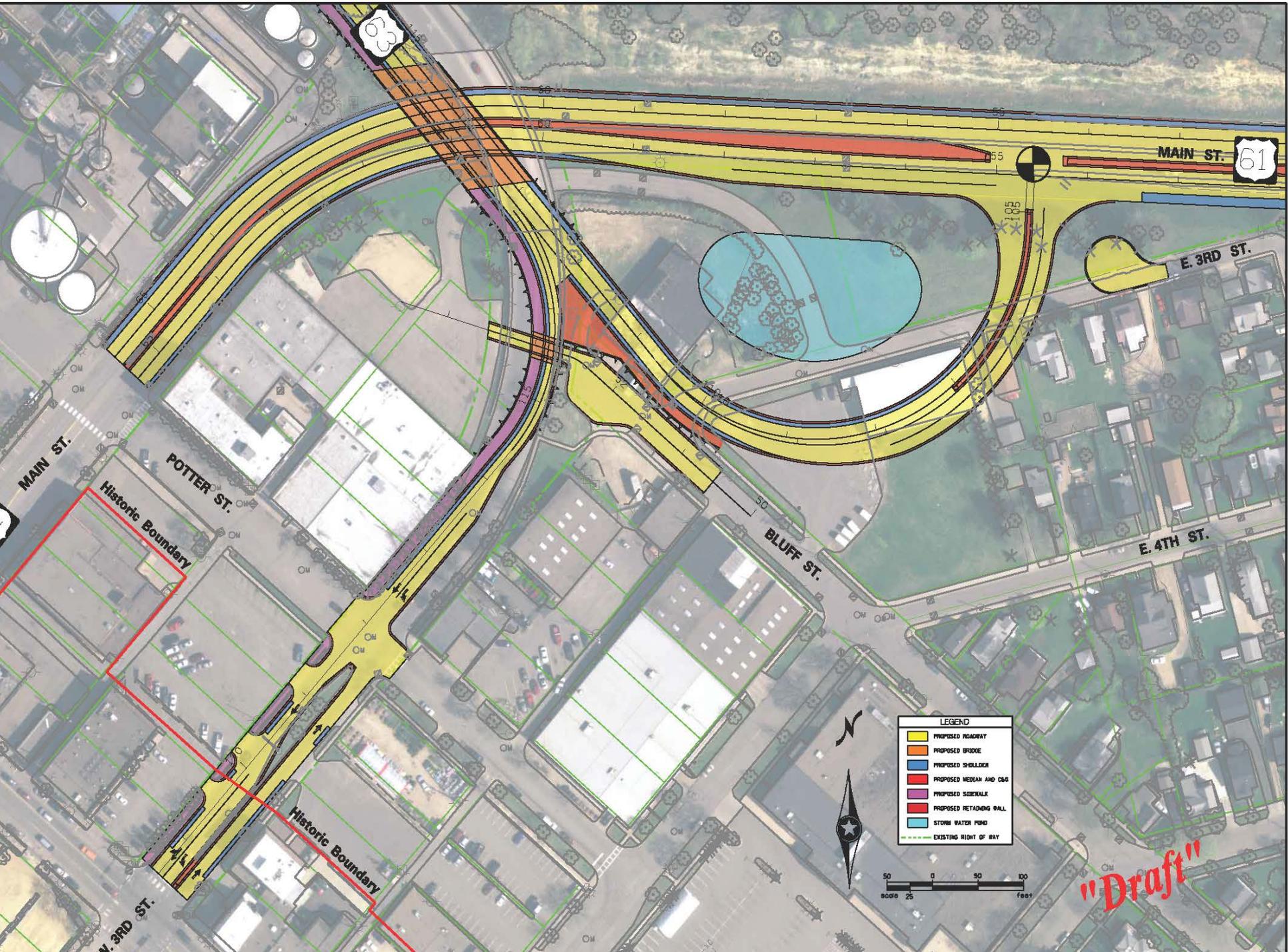


LEGEND	
	PROPOSED ROADWAY
	PROPOSED BRIDGE
	PROPOSED SHOULDER
	PROPOSED MEDIAN AND C&G
	PROPOSED SUBPAVE
	PROPOSED RETAINING WALL
	PARCEL BOUNDARY
	EXISTING RIGHT OF WAY

"Draft"



825th St



MAIN ST.

E. 3RD ST.

E. 4TH ST.

BLUFF ST.

POTTER ST.

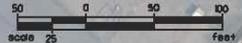
MAIN ST.

Historic Boundary

Historic Boundary

E. 3RD ST.

LEGEND	
	PROPOSED ROADWAY
	PROPOSED BRIDGE
	PROPOSED MEDIAN
	PROPOSED CURB AND GUTTER
	PROPOSED SIDEWALK
	PROPOSED RETAINING WALL
	STORM WATER POND
	EXISTING RIGHT OF WAY



"Draft"



Preliminary Design and Environmental Assessment

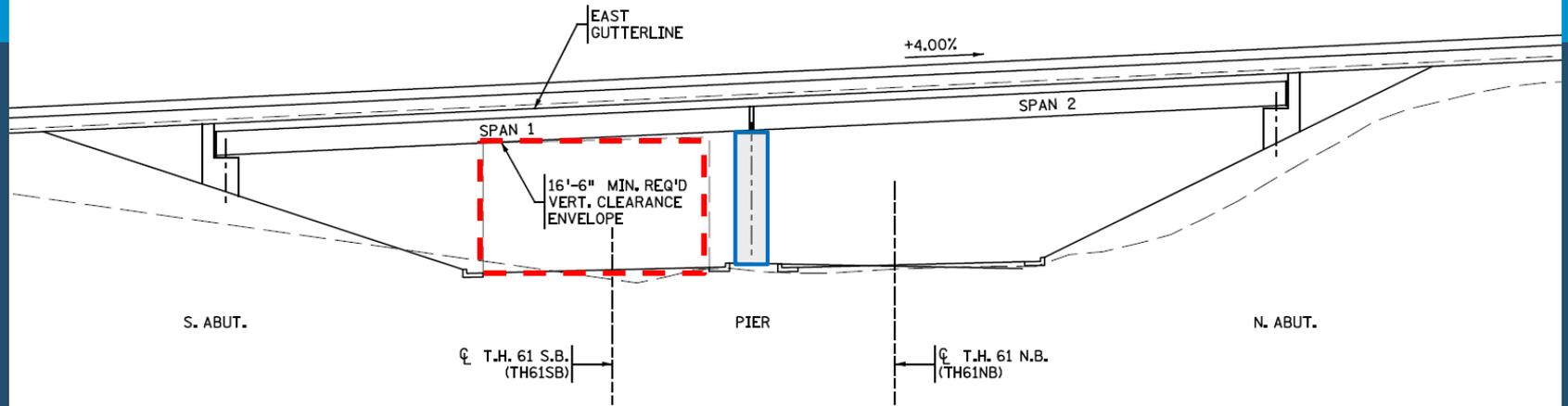




Environmental Assessment Update

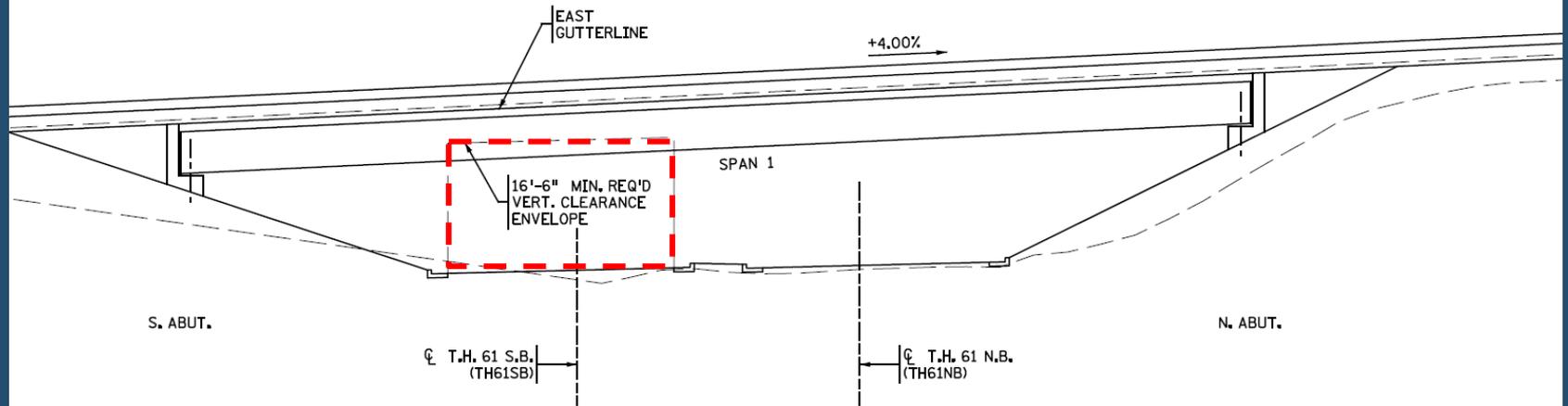
- Detailed impact assessment process addressing federal and state requirements;
- Addresses the recommended and no-build alternatives;
- Considers full range of social, economic and natural environmental issues;
- Concludes with identification of a preferred alternative to advance to detailed design and construction;
- Technical studies are ongoing.





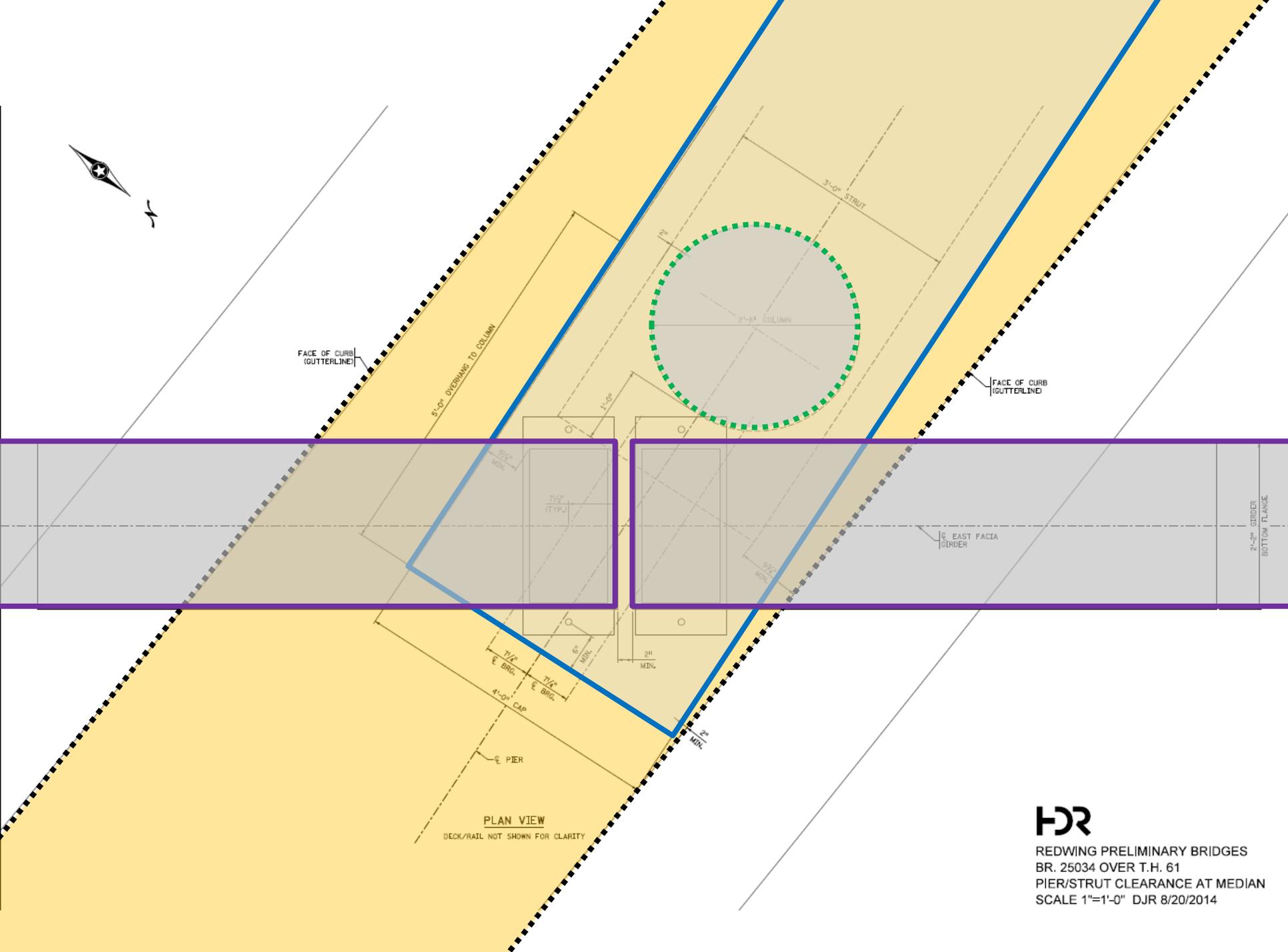
ELEVATION VIEW TWO SPAN

(36M AT 9'-9" SPACING)



ELEVATION VIEW ONE SPAN

(MN63 AT 6'-0" SPACING)



FACE OF CURB
(GUTTERLINE)

5'-0" OVERHANG TO COLUMN

3'-0" STRUT

2'-8" COLUMN

FACE OF CURB
(GUTTERLINE)

3/4" MIN.

1'-0"

7 1/4" (TYP.)

E EAST FACIA
GIRDER

2'-2" GIRDER
BOTTOM FLANGE

3/4" MIN.

7 1/4" E BRG.

6" MIN.

2 1/4" MIN.

3'-0" CAP

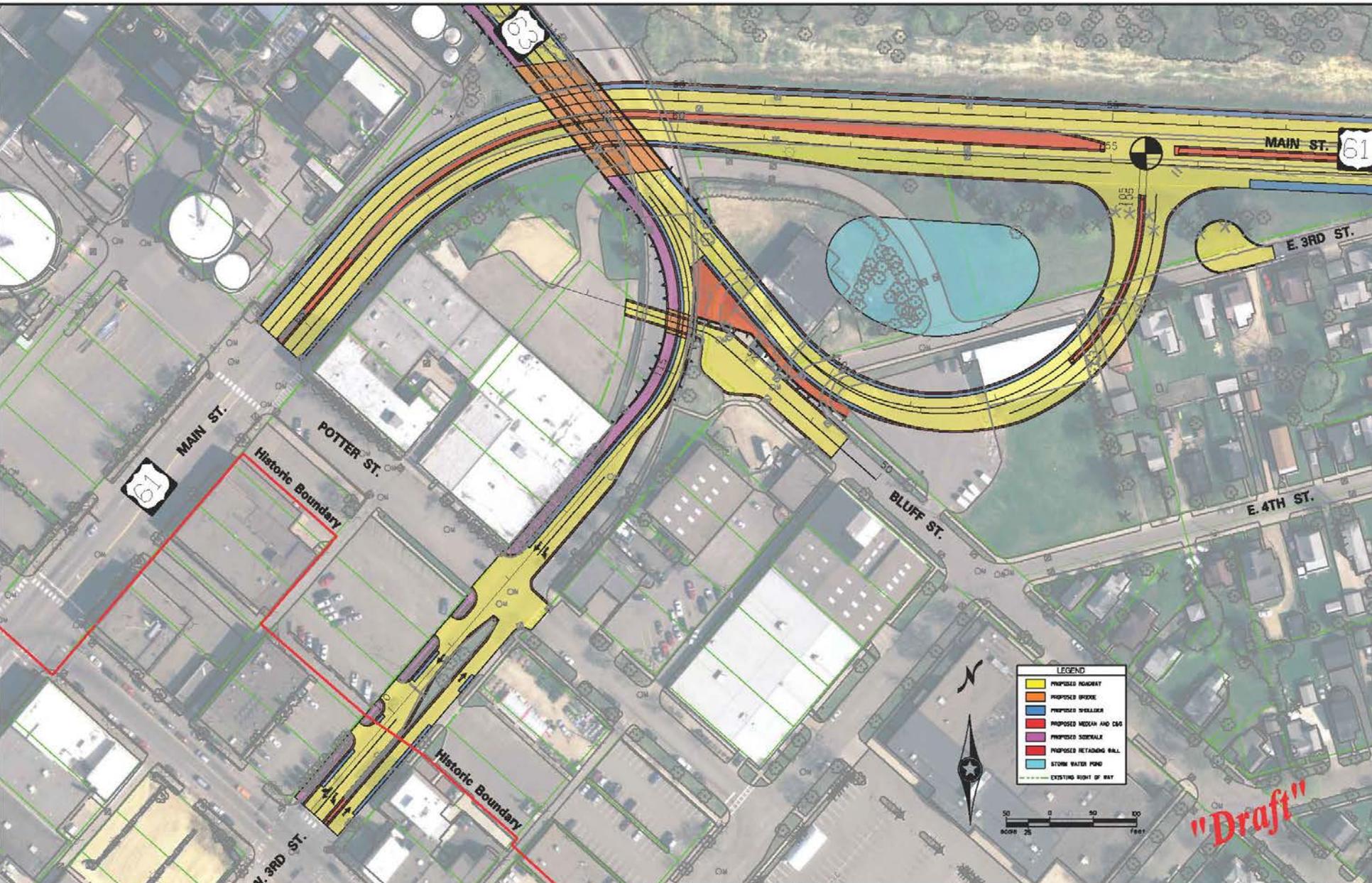
2 1/4" MIN.

PLAN VIEW

DECK/RAIL NOT SHOWN FOR CLARITY



REDWING PRELIMINARY BRIDGES
BR. 25034 OVER T.H. 61
PIER/STRUT CLEARANCE AT MEDIAN
SCALE 1"=1'-0" DJR 8/20/2014



LEGEND

- PROPOSED ROADWAY
- PROPOSED SHOULDER
- PROPOSED SIDEWALK
- PROPOSED MEDIAN AND C&G
- PROPOSED SCAPEWALK
- PROPOSED RETAINING WALL
- STORM WATER POND
- EXISTING RIGHT OF WAY



"Draft"



Field Work Update

- Phase II Contamination Study is complete
- Geotechnical drilling in progress
- Railroad and property owner coordination
- Recommendations for bridges and retaining walls





Constructability Review

- Contractor meetings
- Helps identify risks and ways to mitigate them
- Cost and schedule input
- Feedback used to improve design
- Common themes:
 - Staging areas
 - Steel procurement
 - Railroad coordination
 - Weather/flooding concerns





Noise Analysis

- Field work is complete
- Technical analysis complete
- Draft technical report being reviewed
- Public input
- Results included in the EA





Visual Quality Process Update





Visual Quality Advisory Committee Representatives:

- Photographer, Red Wing Arts Association
- Sargent's Nursery and Red Wing Advisory Planning Commission
- Red Wing Heritage Preservation Commission
- Studio Artist, Transportation Committee, Red Wing 2020
- SHIP Coordinator (Health Improvement), Goodhue County HHS
- Planning Director, City of Red Wing
- Prairie Island Indian Community
- Pierce County Board
- Artist, Town of Trenton
- Student, Planning Intern





2014

APR MAY JUN JUL AUG SEP OCT NOV DEC

Red Wing Bridge Project

- Project Management Team (PMT) Meetings
- Policy/Technical Advisory Committee (PAC/TAC) Meetings
- Public Open Houses



Visual Quality Process & Schedule

Visual Quality Advisory Committee (VQAC) Meetings
 8 approximately monthly meetings, including one design workshop scheduled in September.

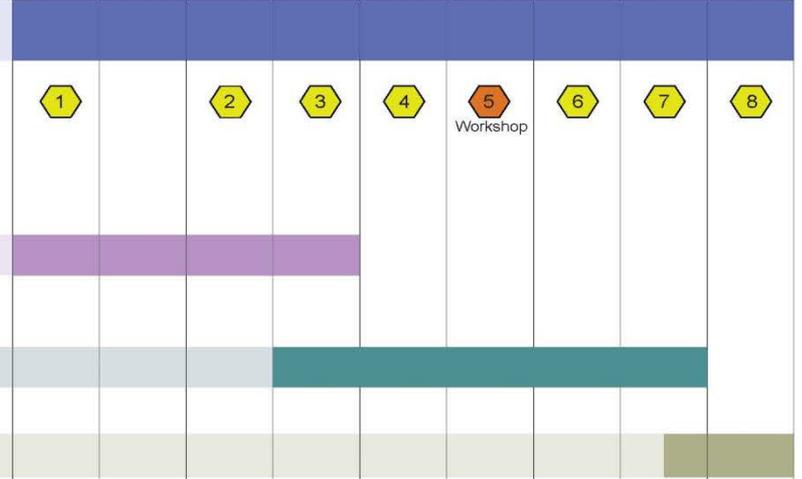
Visual Impact Assessment

Photograph Existing Conditions, Define Context & Setting Designations, Identify Key Vantage Points, Discuss Mitigation and Enhancement Issues & Opportunities

Visual Quality Manual (VQM)

Develop Detailed Design of Project Components, Refine Visualizations, MnDOT/WisDOT VQM Coordination

VQM Approval & Wrap Up



DRAFT 7/15/2014



What has happened since the July PAC/TAC

- VQAC Meeting # 4
Introduced River Bridge Pier Hybrid Concept C
- VQAC Meeting # 5 (Workshop)
Issues, Opportunities, and Design Directives for the Wisconsin and Minnesota Approaches





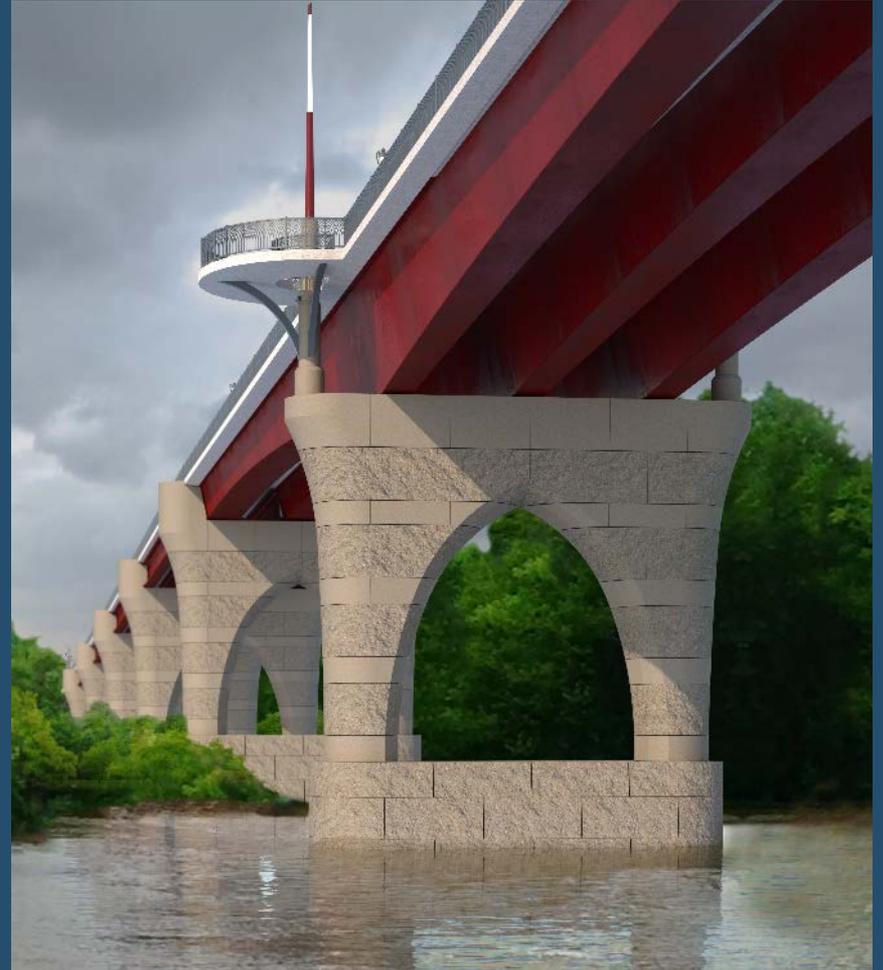
Preliminary Visualizations

River Bridge Piers





Option "A"



Option "B"



Hybrid Option “C”



Closed Overlook



Open Overlook with Cables



Hybrid Option “C”



Closed Overlook



Open Overlook with Cables



Hybrid Option "C"



Day



Hybrid Option "C"



Night



Color Options



Grey / Beige / Taupe



Visual Quality Workshop

- Reviewed Project Background and Roadway Design
 - WI Approach, MN Approach, U.S. 61 Bridge, Slip-ramp Bridge, River Bridge
- Reviewed Context Settings
- Prepared illustrated plans that describe the visual quality issues and opportunities discussed in each small group



Visual Quality Workshop

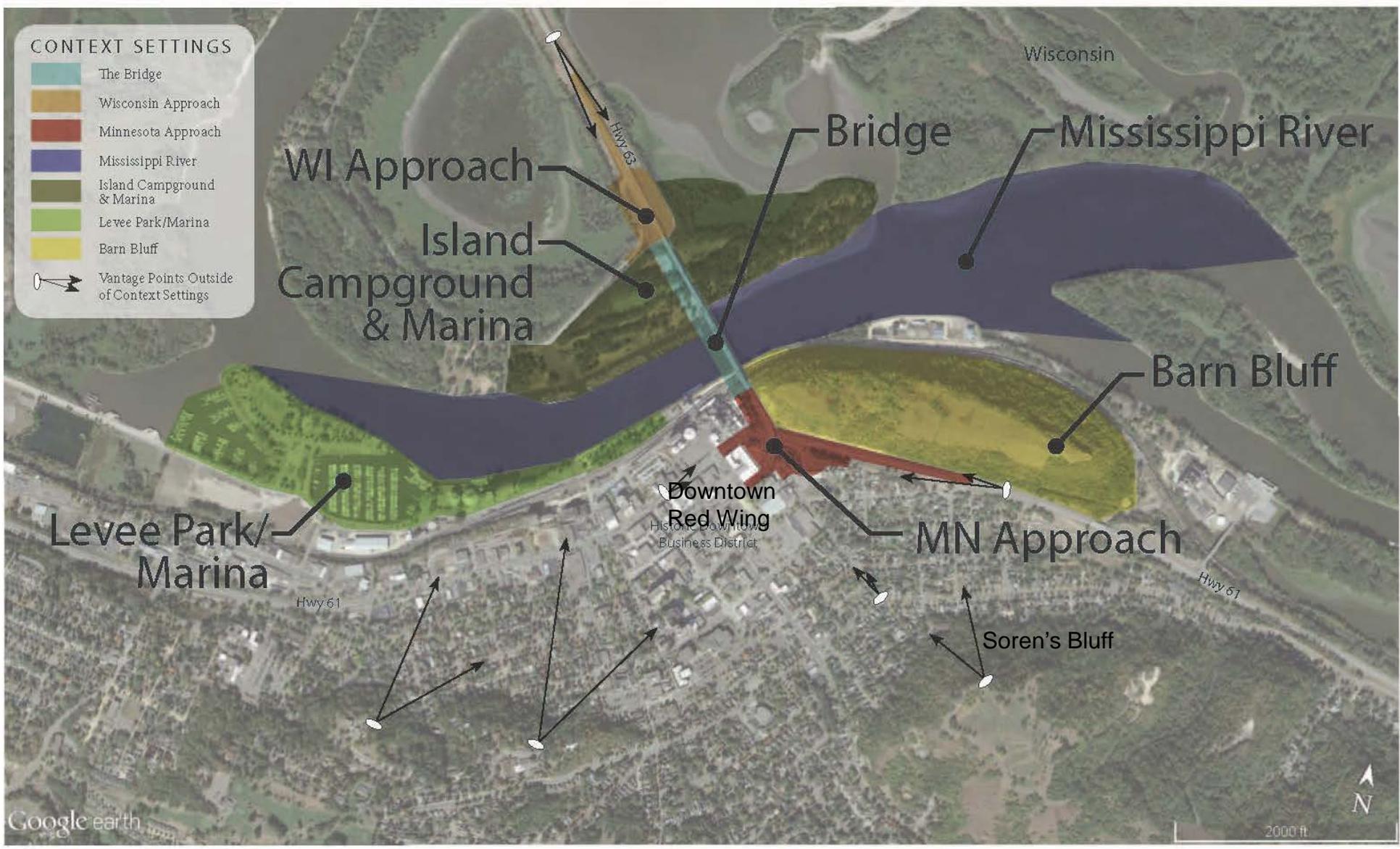
- Issues Considered and Discussed
 - Historic Resources
 - State/Local Entry Signs – WI and MN
 - Abutments/Piers
 - Retaining Walls/Sound Walls
 - Vegetation/Landscape
 - Medians (Street Trees, Bioswales)
 - Stormwater Management
 - Downtown Streetscape Integration/Transition
 - Lighting/Railings
 - Trail connections



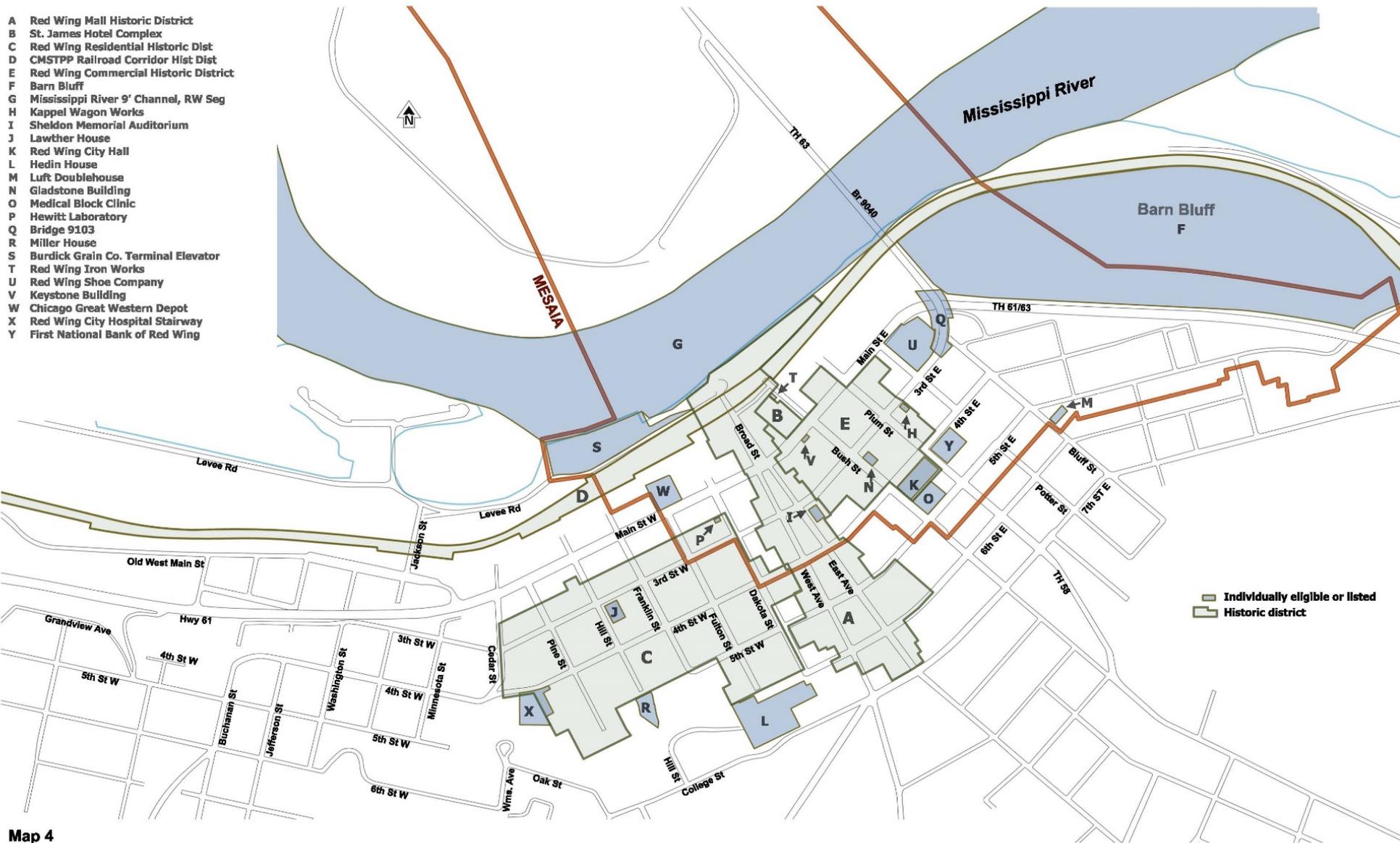
Context Settings

CONTEXT SETTINGS

-  The Bridge
-  Wisconsin Approach
-  Minnesota Approach
-  Mississippi River
-  Island Campground & Marina
-  Levee Park/Marina
-  Barn Bluff
-  Vantage Points Outside of Context Settings

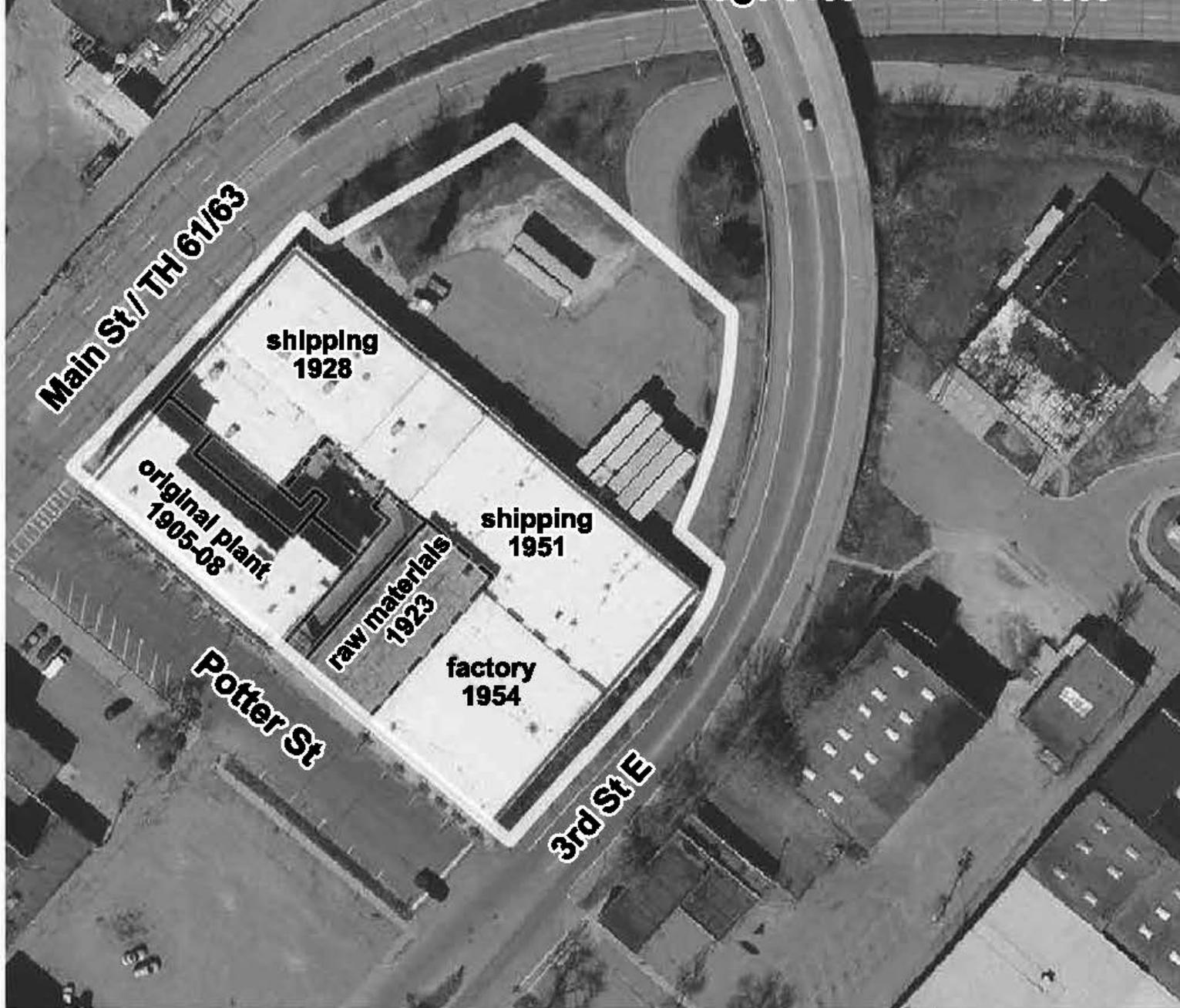


- A Red Wing Mall Historic District
- B St. James Hotel Complex
- C Red Wing Residential Historic Dist
- D CMSTPP Railroad Corridor Hist Dist
- E Red Wing Commercial Historic District
- F Barn Bluff
- G Mississippi River 9' Channel, RW Seg
- H Kappel Wagon Works
- I Sheldon Memorial Auditorium
- J Lawther House
- K Red Wing City Hall
- L Hedin House
- M Luft Doublehouse
- N Gladstone Building
- O Medical Block Clinic
- P Hewitt Laboratory
- Q Bridge 9103
- R Miller House
- S Burdick Grain Co. Terminal Elevator
- T Red Wing Iron Works
- U Red Wing Shoe Company
- V Keystone Building
- W Chicago Great Western Depot
- X Red Wing City Hospital Stairway
- Y First National Bank of Red Wing



Individually eligible or listed
 Historic district

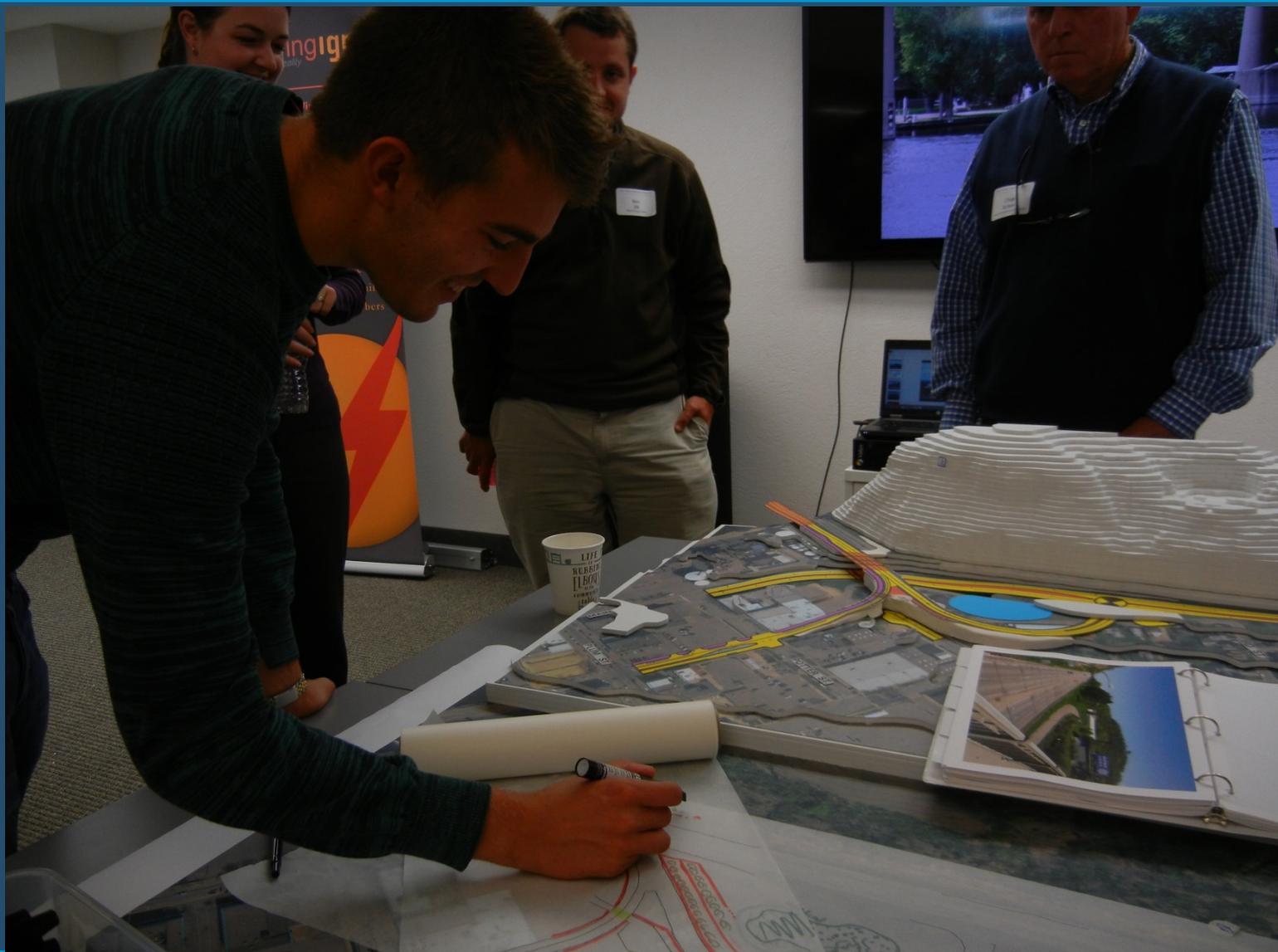
Map 4
Properties in the APE Listed on or Eligible for the National Register



Prep by Gemini Research 12-2013

0 100'

boundaries of National Register eligible properties







Hwy 63

Hwy 61 / Hwy 63

Red Wing Shoe Company
Historic Boundary

Potential Noise Wall

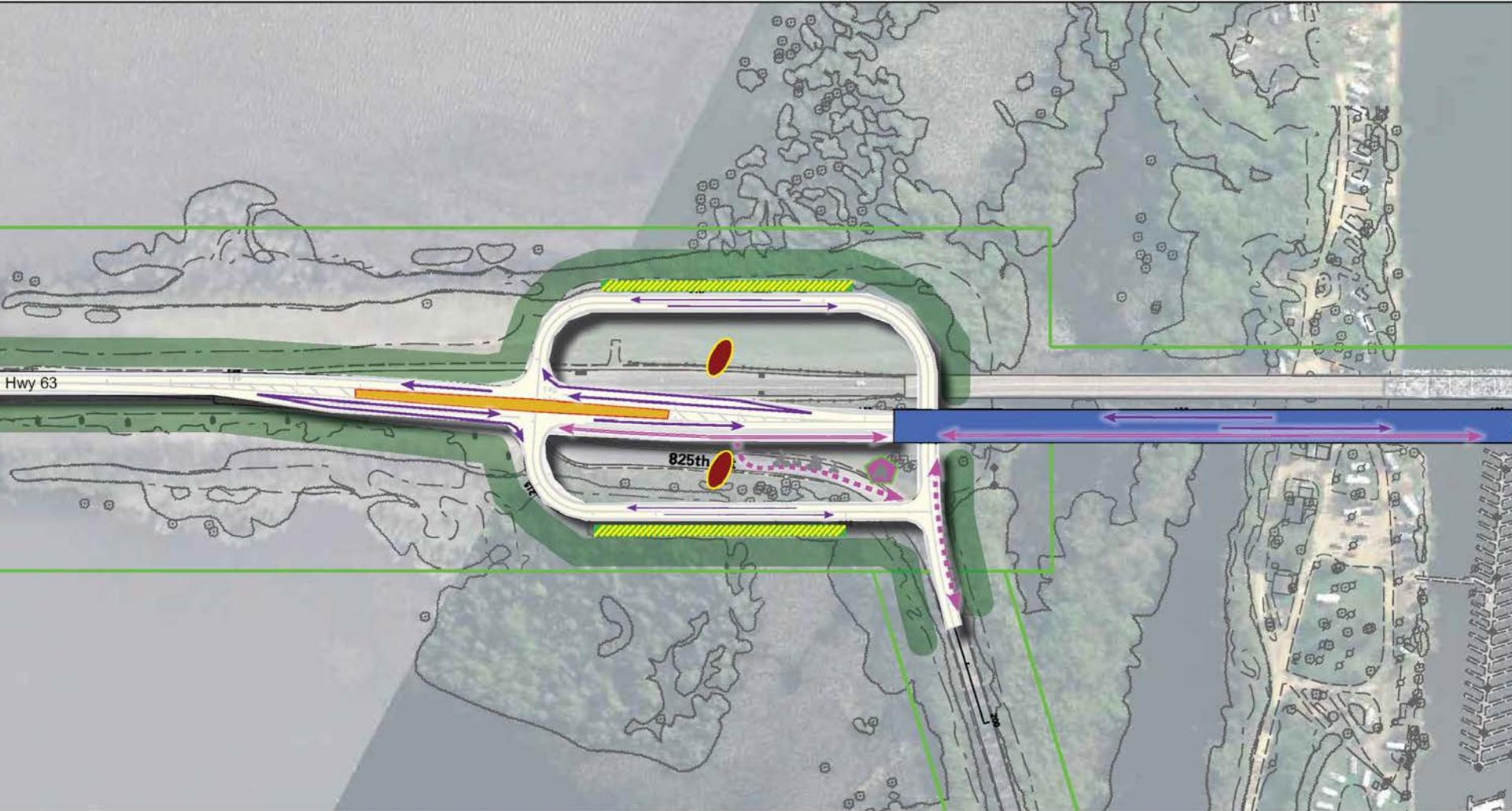
Potter St

E. 3rd St

E. 4th St

Sanderson St

Bluff St



Next Steps for Visual Quality Process

- VQAC Meeting # 6

*Finalize River Bridge Pier
Concept*

*Review Summary of Design
Directives from Workshop*



- VQAC Meetings # 7 and # 8

Develop Visual Quality Manual





Public Outreach Update

- Open House #3
 - October 1st, 2014
 - 4:30 p.m. to 6:30 p.m.
 - Red Wing Library
 - SPREAD THE WORD!
- Newsletter #3 – will be direct mailed tomorrow
- Project Presentation Opportunities
- Website: <http://www.dot.state.mn.us/d6/projects/redwing-bridge/index.html>





Schedule

- Open House #3 – October 1, 2014
- Publish EA for Review and Comment – February 2015
- EA Public Hearing – March 2015
- Complete Environmental Review Process – May 2015
- Complete Preliminary Design Activities – May 2015
- Final Design – Summer 2015 to Fall 2017
- Construction – 2018 and 2019





Next Meeting

- PAC 10/TAC #13:
 - December 18th
 - 1:00 p.m. to 3:00 p.m.
 - Red Wing Library





Questions / Comments



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