

Appendix A: Figures

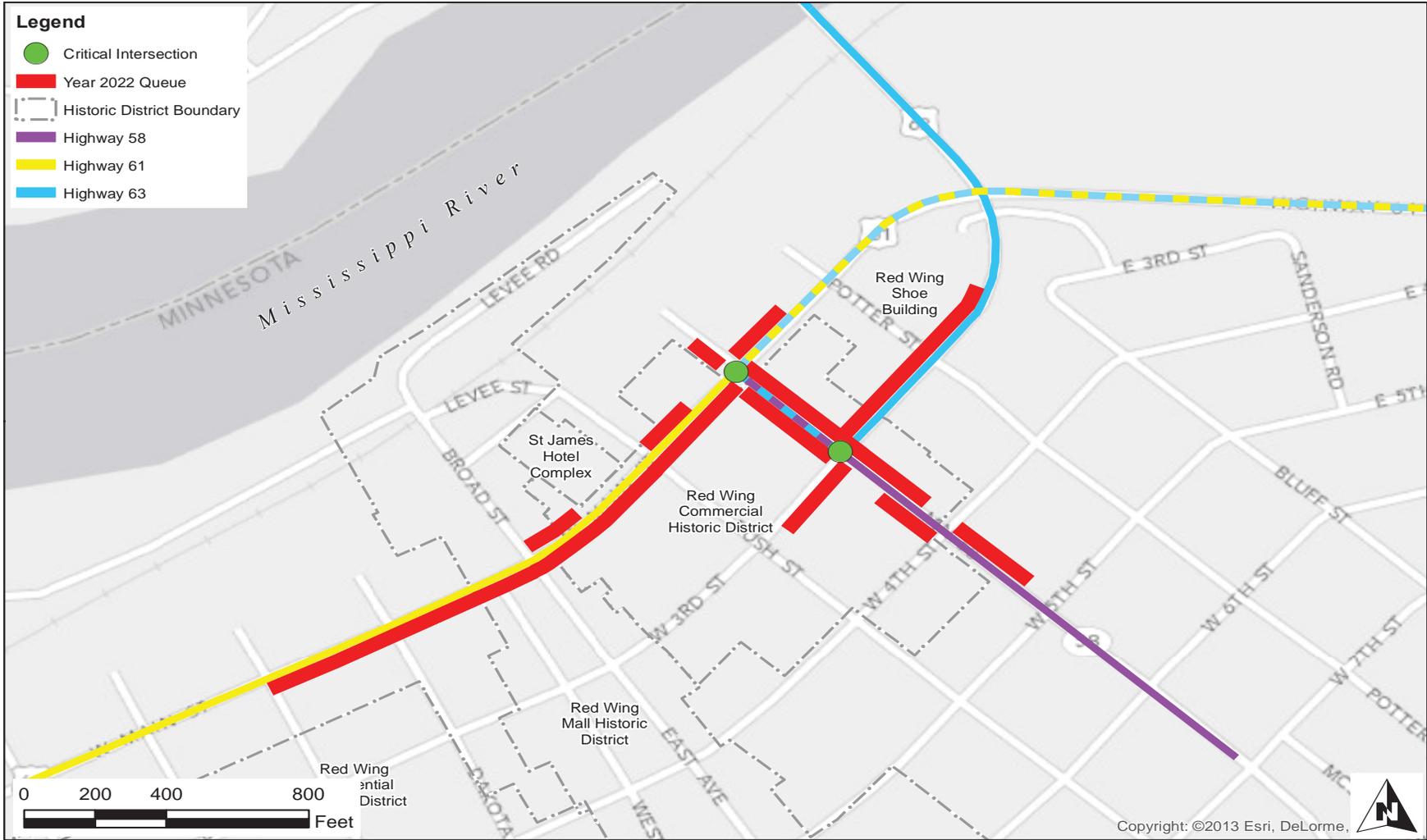
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US 63 River Bridge and Approach Roadways Project

Traffic Analysis Model
Intersection Locations
EA Appendix A

Figure: 1



US 63 River Bridge and Approach Roadways Project

Traffic Analysis Model Results
 Year 2022, No Build/MN-1
 EA Appendix A

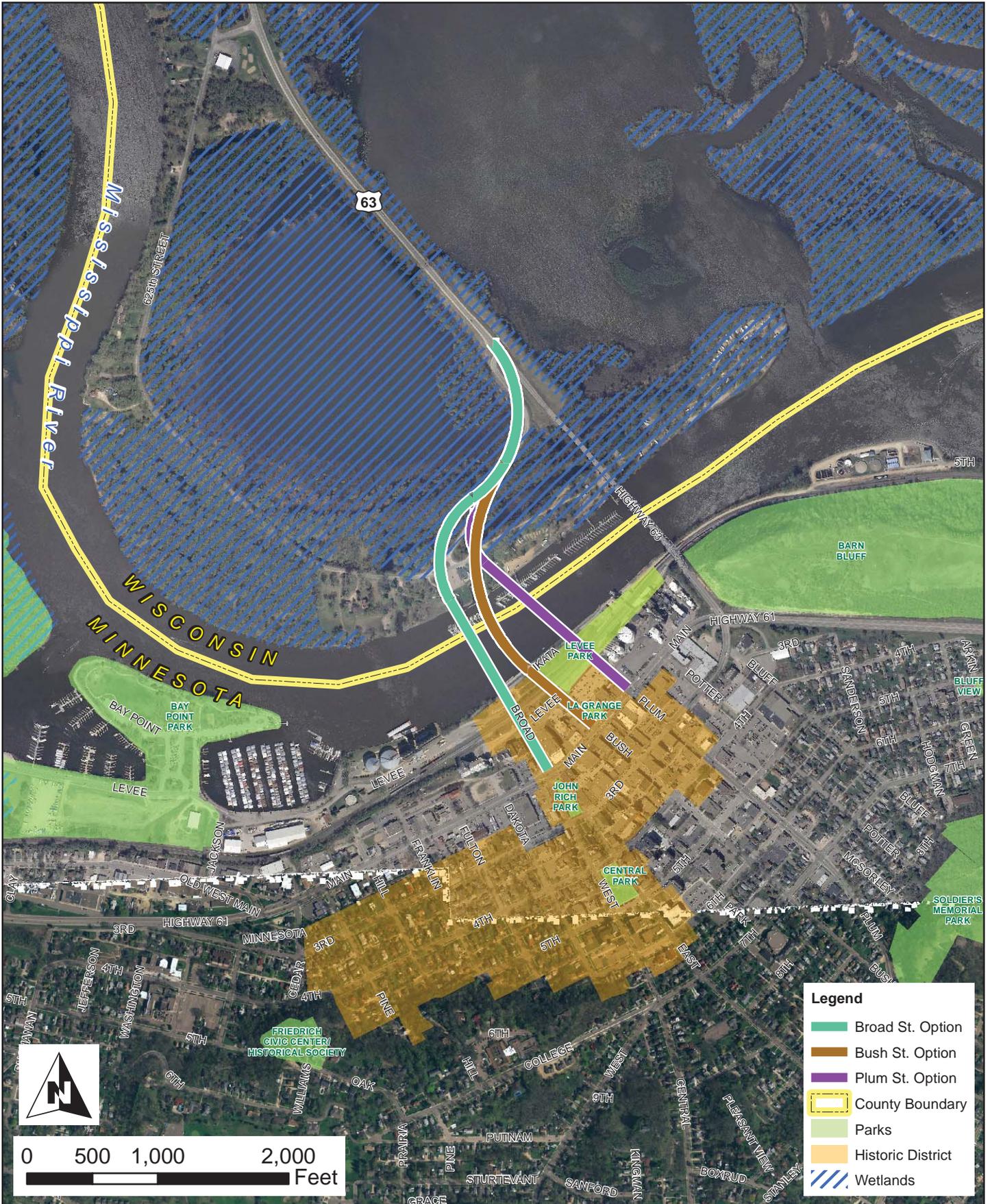
Figure: 2



US 63 River Bridge and Approach Roadways Project

Traffic Analysis Model Results
Year 2042, No Build/MN-1
EA Appendix A

Figure: 3



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US 63 River Bridge and Approach Roadways Project

Downtown New Bridge Location Options
EA Appendix A

Figure: 4



US 63 River Bridge and Approach Roadways Project

Bench Street New Bridge Location Option
EA Appendix A

Figure: 5

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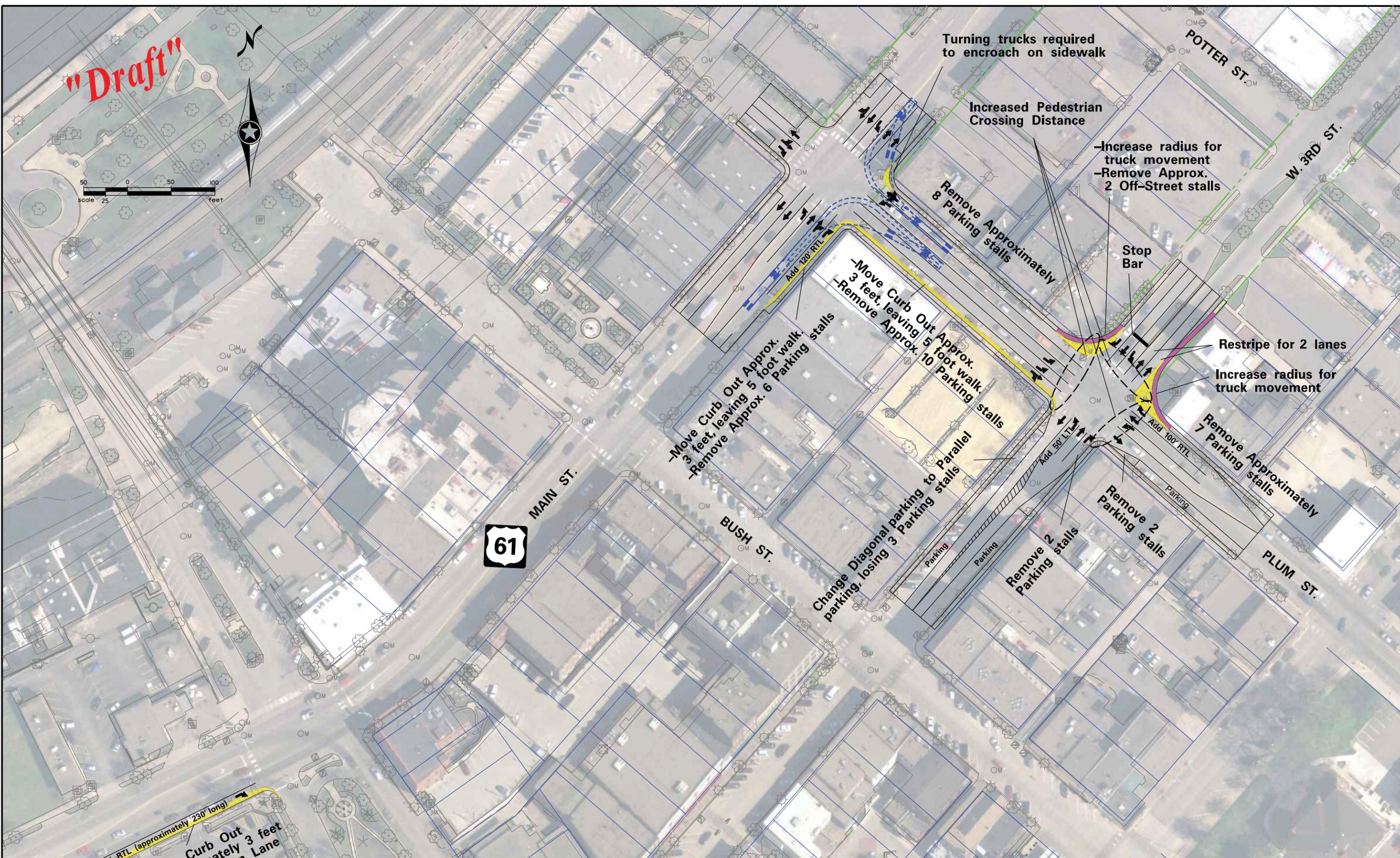
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Turning trucks required to encroach on sidewalk

Increased Pedestrian Crossing Distance

-Increase radius for truck movement
-Remove Approx. 2 Off-Street stalls

Remove Approximately 8 Parking stalls

Stop Bar

Restripe for 2 lanes

Increase radius for truck movement

Remove Approximately 7 Parking stalls

-Move Curb Out Approx. 3 feet, leaving 5 foot walk
-Remove Approx. 6 Parking stalls

-Move Curb Out Approx. 3 feet, leaving 5 foot walk.
-Remove Approx. 10 Parking stalls

Change Diagonal parking to Parallel parking, losing 3 Parking stalls

Remove 2 Parking stalls

Move Curb Out (approximately 230' long)
Move Curb Out approximately 3 feet
Move Lane

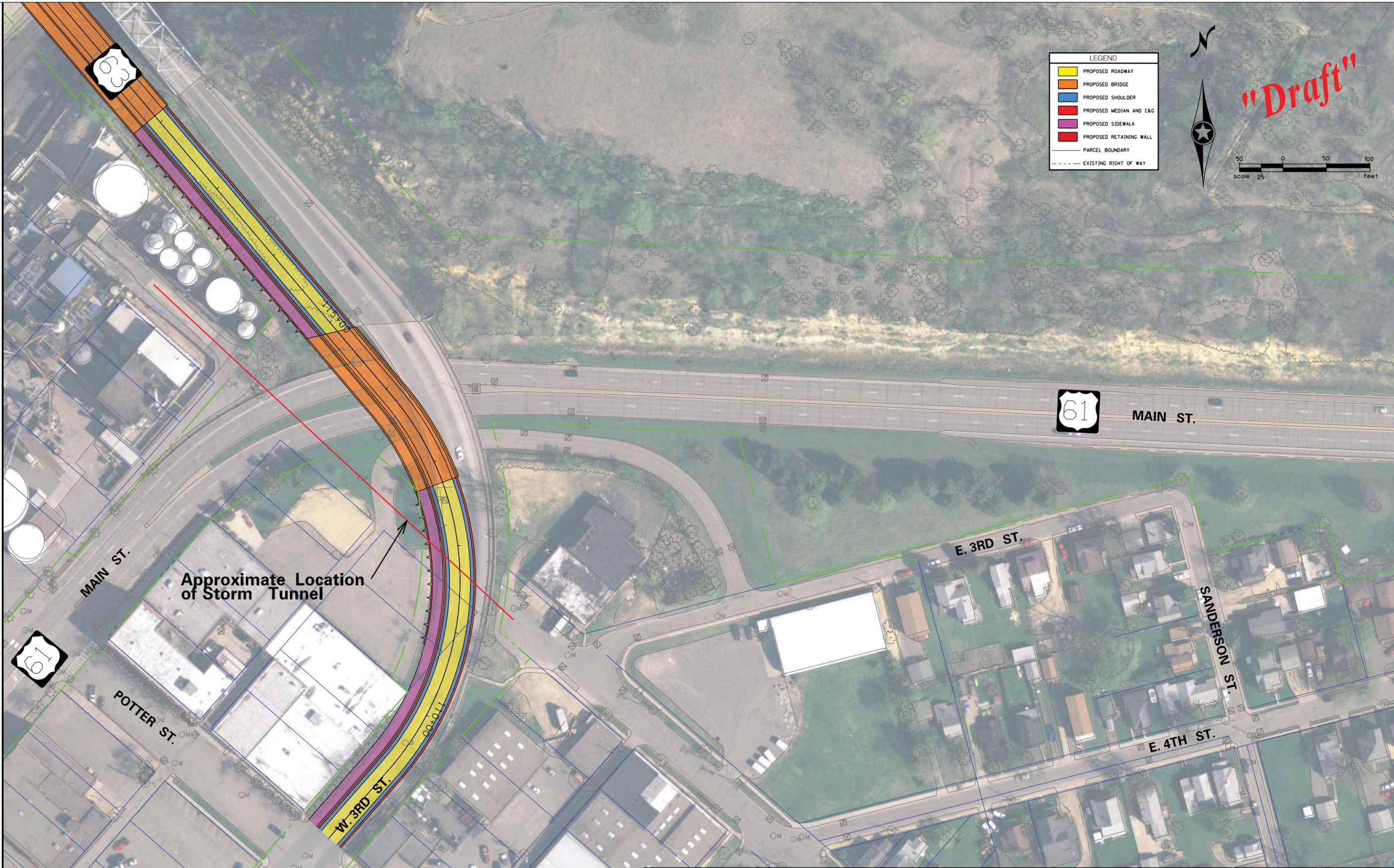


US 63 River Bridge and Approach Roadways Project

Alternative MN-1A and MN-2A
Bridge 9103 Rehab with
Downtown Street Changes EA
Appendix A

Figure: 7

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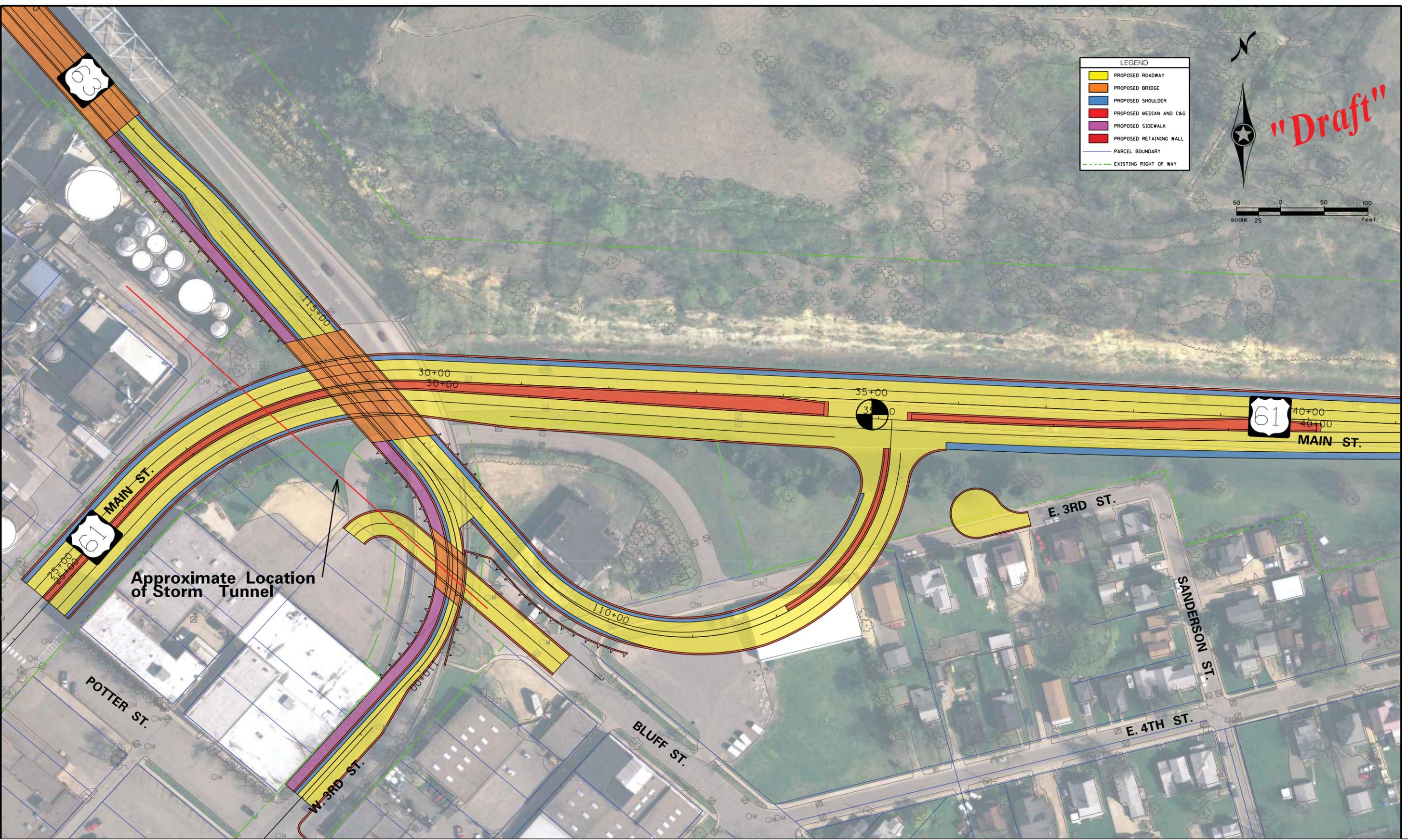


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LEGEND

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



Approximate Location of Storm Tunnel

US 63 River Bridge and Approach Roadways Project

Alternative MN-3
 Replace Bridge 9103; Button-hook and Slip Ramp
 EA Appendix A

Figure: 9



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**US 63 River Bridge and
Approach Roadways Project**

Wisconsin Approach Concepts
Right-in Right-out
EA Appendix A

Figure: 10

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US 63 River Bridge and Approach Roadways Project

Wisconsin Approach Concepts
Northbound Left Turn Lane
EA Appendix A

Figure: 11

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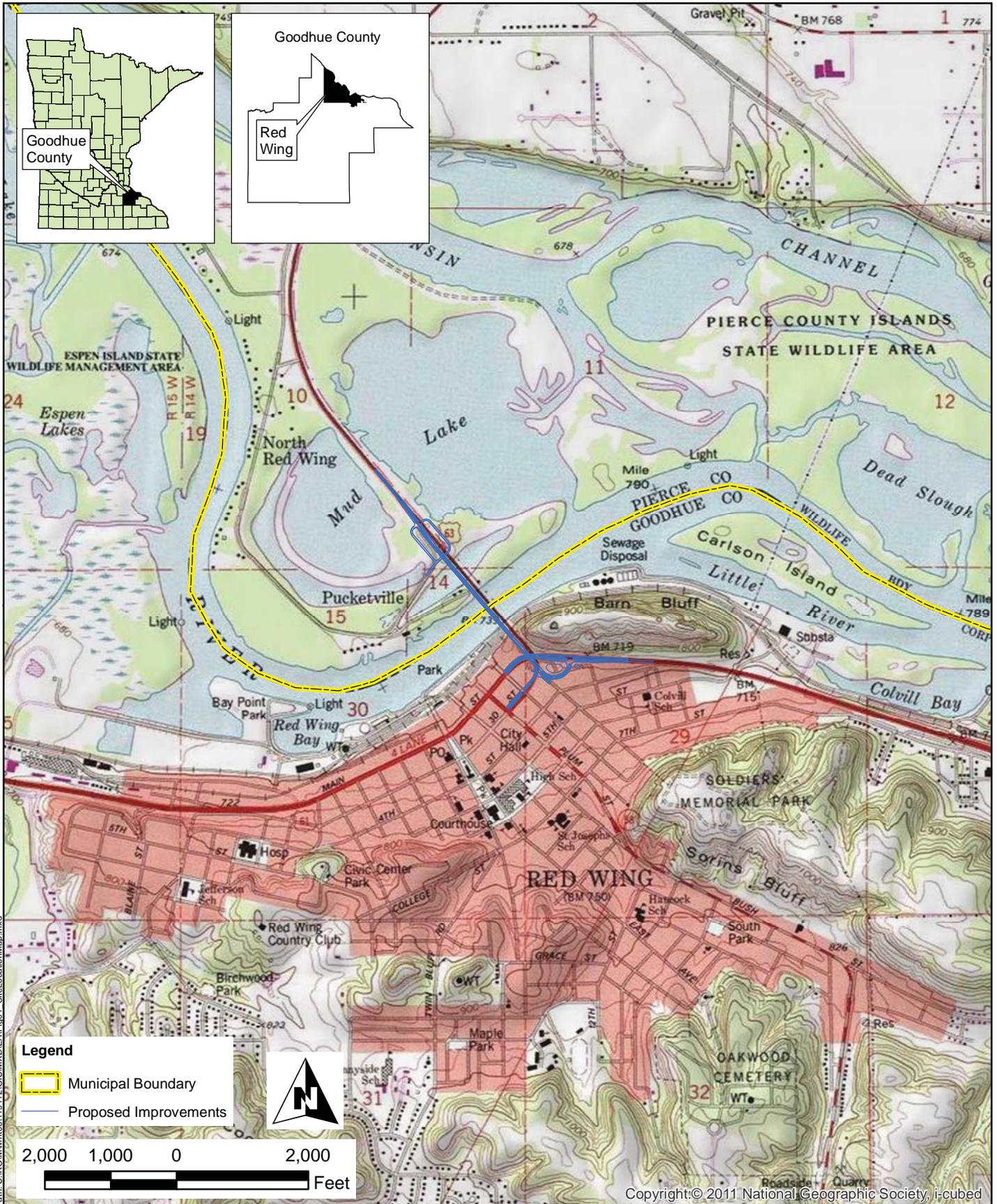


US 63 River Bridge and Approach Roadways Project

Wisconsin Approach Concepts
Jughandle Intersection
EA Appendix A

Figure: 12

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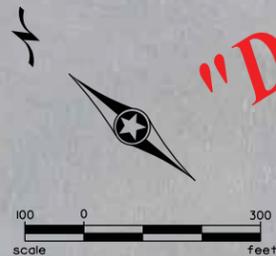
US 63 River Bridge and Approach Roadways Project

Project Location
EA Appendix A

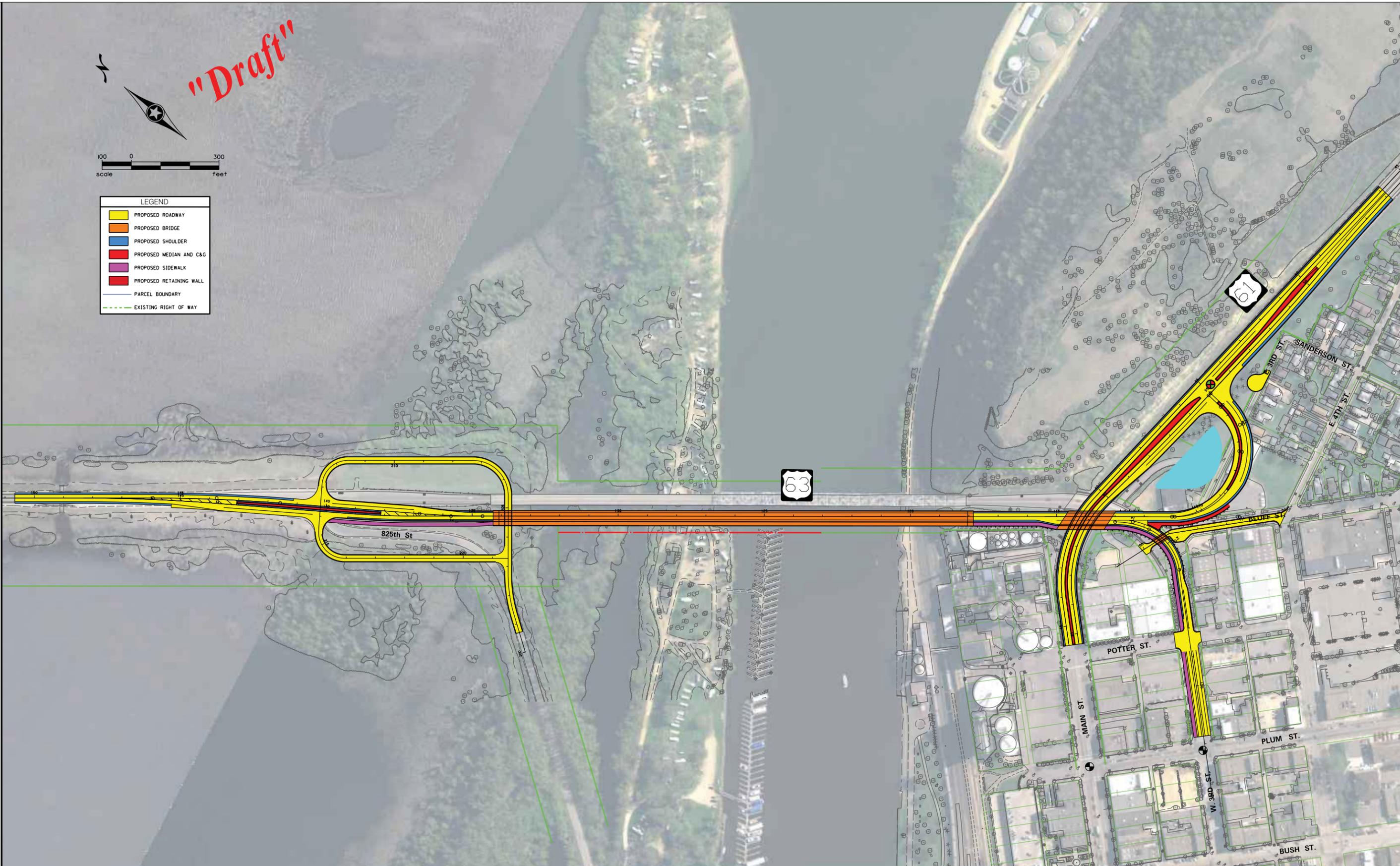
Figure: 13

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

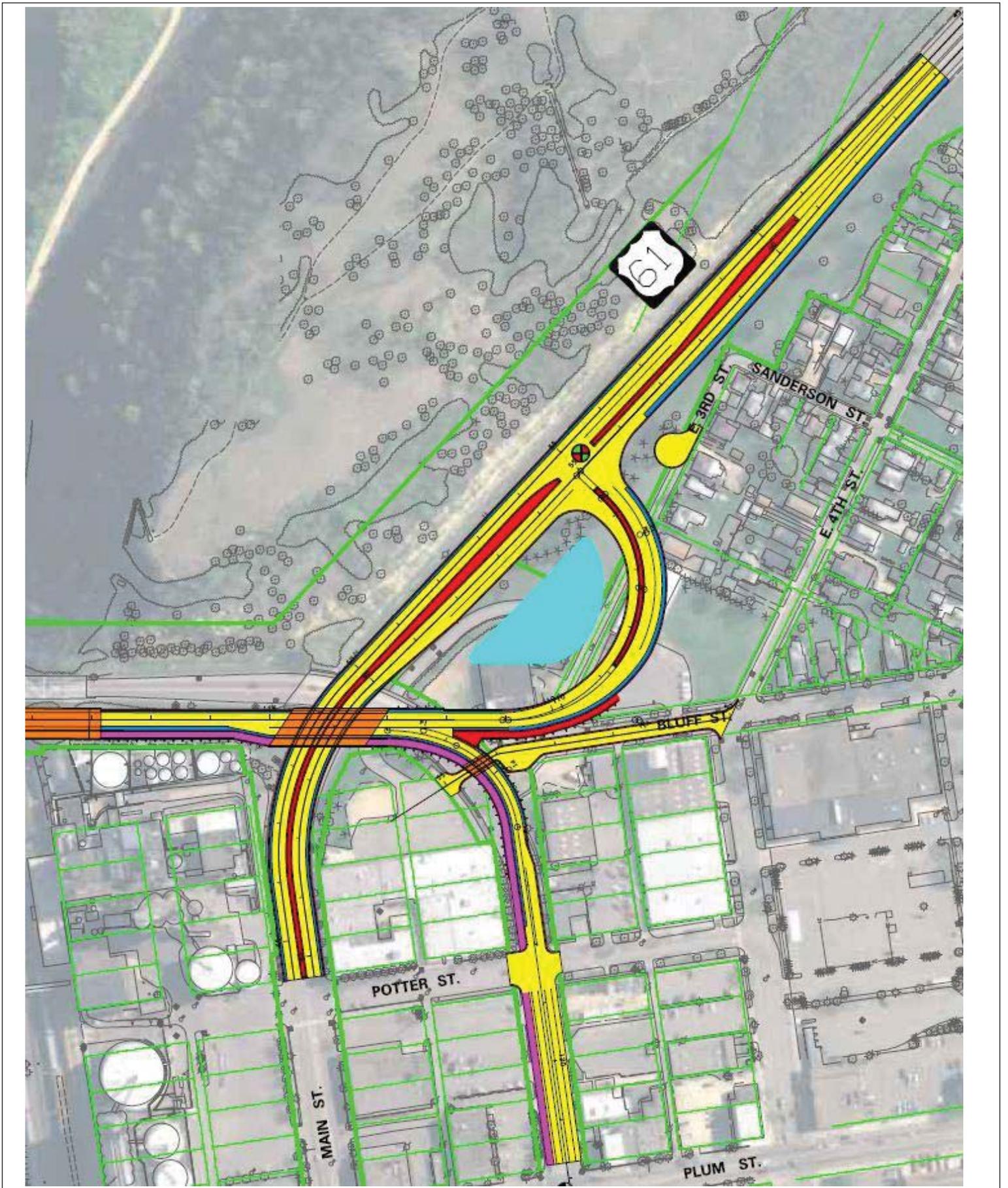


US 63 River Bridge and Approach Roadways Project

Project Layout Preferred Alternative
EA Appendix A

Figure: 14

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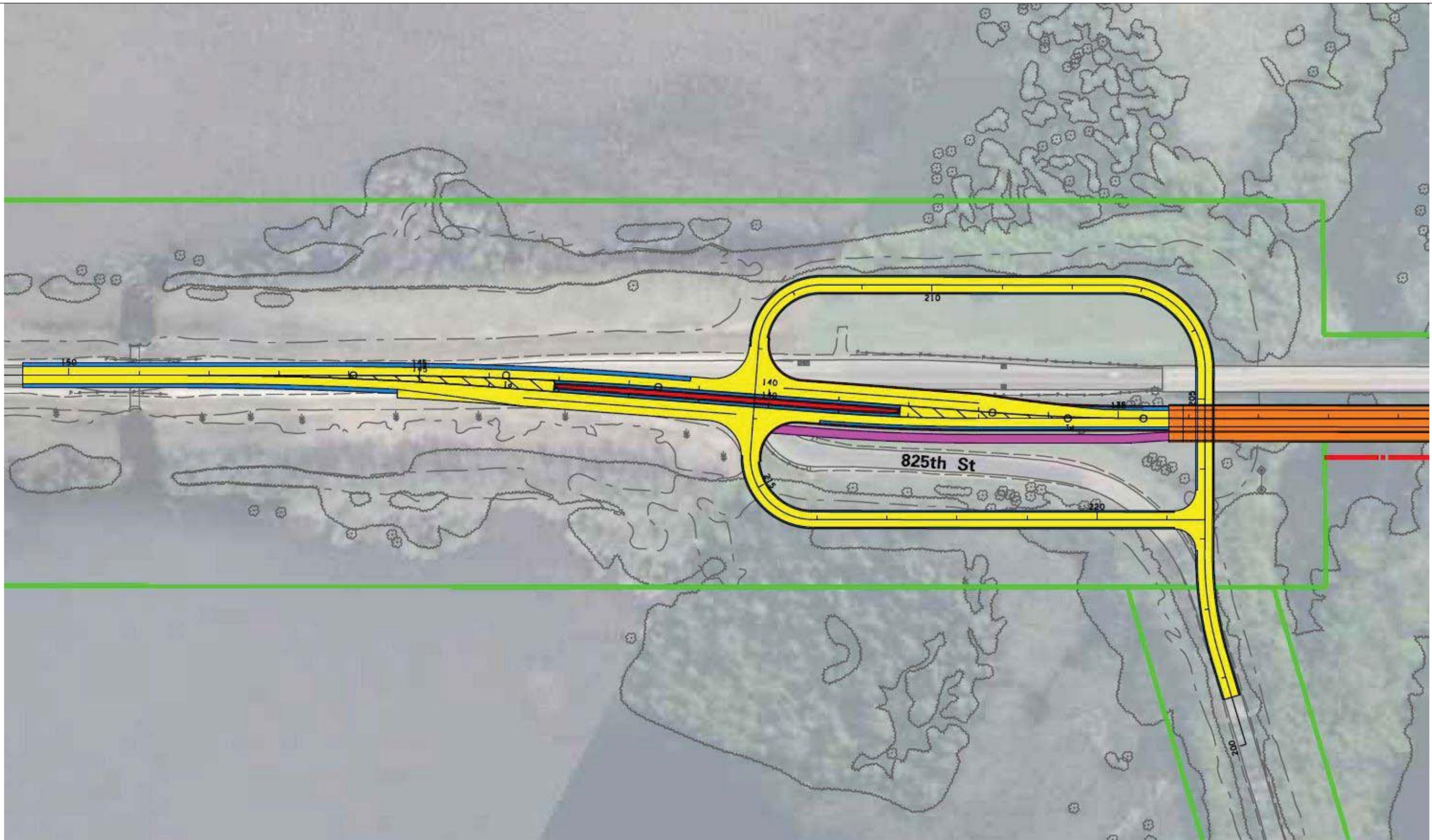


US 63 River Bridge and Approach Roadways Project

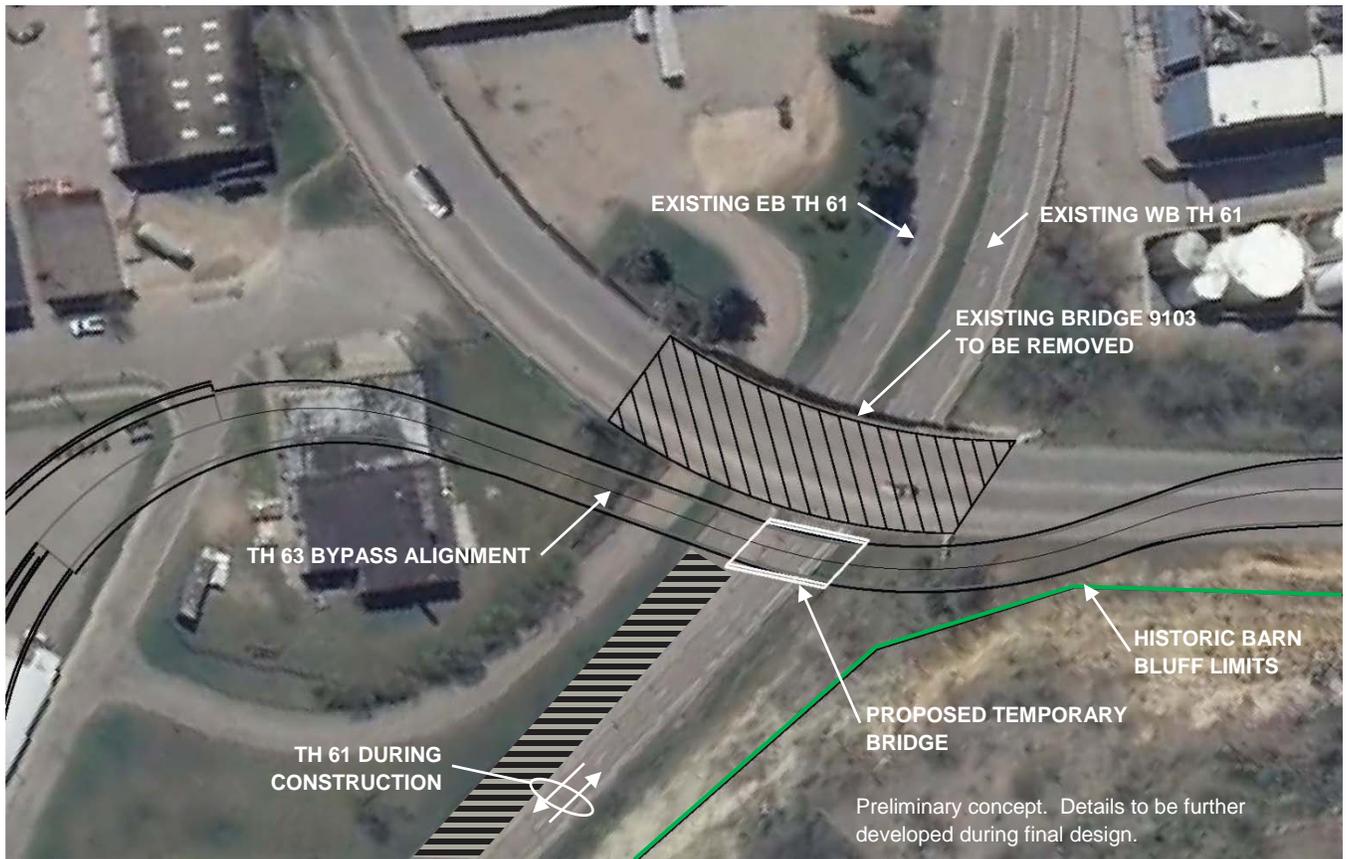
Minnesota Approach Preferred Alt.
Project Layout
EA Appendix A

Figure: 15

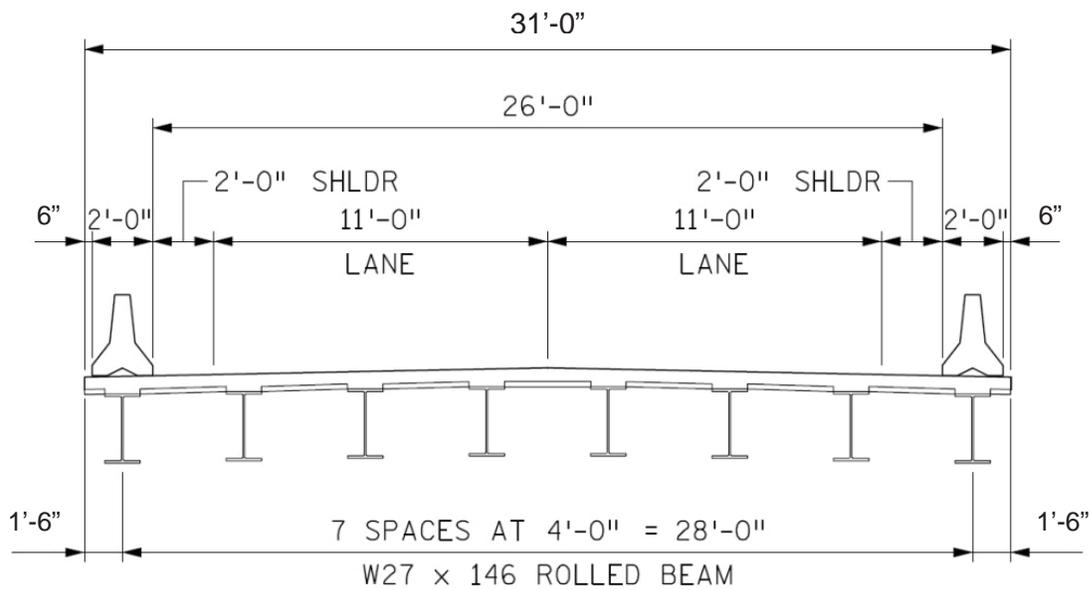
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Proposed Temporary Bypass Layout



Temporary Bypass Typical Section



US 63 River Bridge and Approach Roadways Project

Proposed Temporary Bypass
Minnesota Approach
EA Appendix A

Figure: 17

0 225 450 900 Feet



Temporary construction causeway impacts anticipated to extend approximately 50 feet from the edge of existing and proposed river bridges.

Wisconsin
Minnesota

Crane Bench

Crane Bench

Legend

ROW Impacts

- Commercial Parcel Impacts
- Residential Parcel Impacts
- Tax-Exempt Parcel Impacts
- Potential Staging Areas
- Potential Temporary Easement
- Proposed Project

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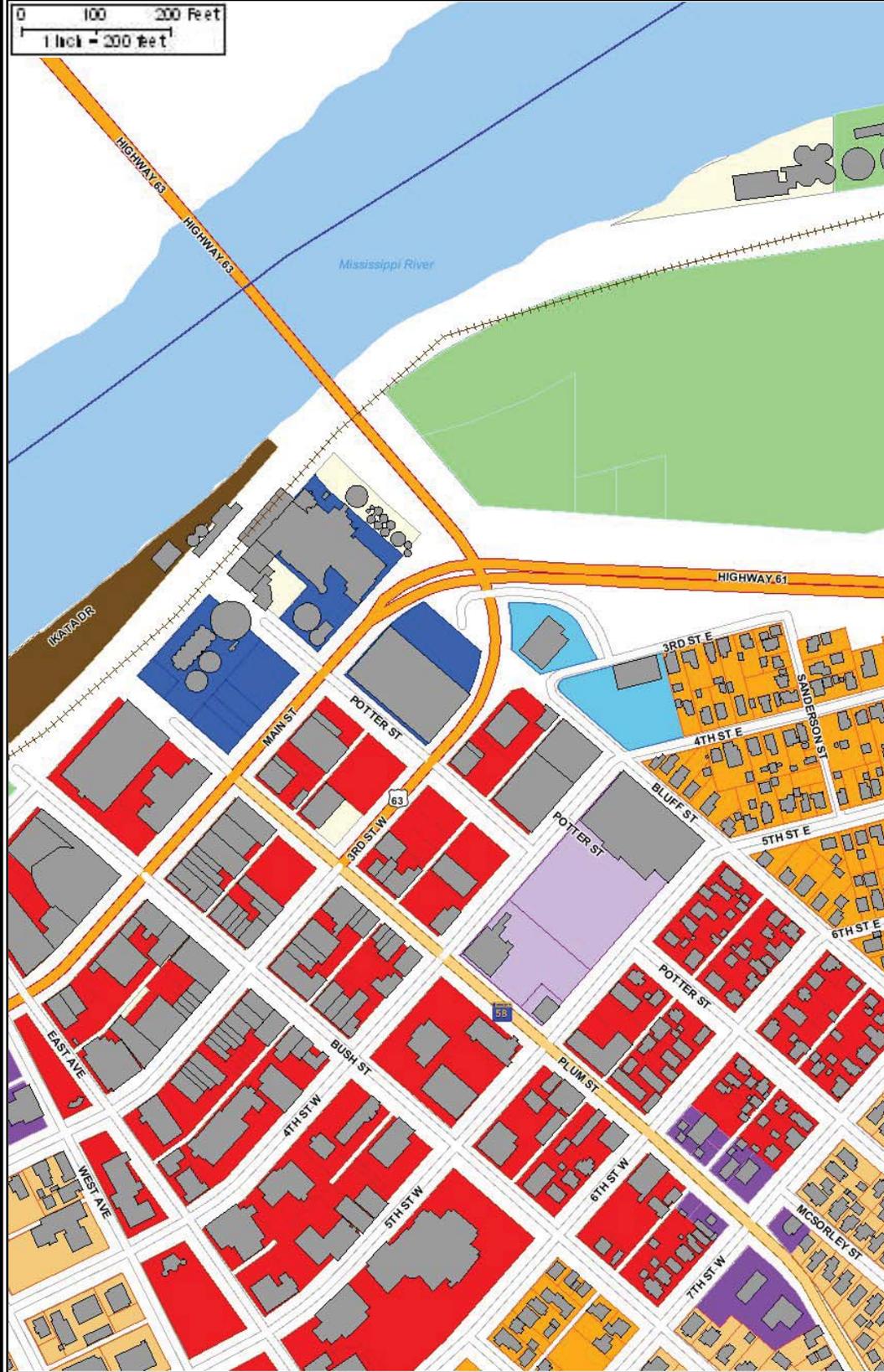
US 63 River Bridge and Approach Roadways Project

Right-of-Way Impacts & Potential Construction Staging Areas
EA Appendix A

Figure: 18

City of Red Wing Zoning/Land Use

0 100 200 Feet
1 Inch = 200 Feet



- ◆ Cities
- County Boundaries
- ⋯ Railroad
- ✈ Airports
- ✦ City Zoning
- A-Agriculture
- AC-Agriculture Conservation
- AR-Agriculture Residential
- B1-Local Business
- B2-General Business
- B2a-General Business (adj. to B3)
- B3-Central Business
- CI-Civic
- I1-Light Industrial
- I2-General Industrial
- MC-Mixed Use/Industrial/Office Commercial
- MCT-Mixed Use Commercial Tourism
- PUD
- Prairie Island Indian Community
- R1-Residential One (3.5-5 units/acre)
- R2-Residential Two (5-8 units/acre)
- RF-Riverfront
- RM1-Residential Multi-Family One (8-16 units/acre)
- RM2-Residential Multi-Family Two (+16 units/acre)
- Split Zoning
- Roads
- US Hwy
- State Hwy
- County
- Roads
- Lakes & Rivers
- Parcels
- Unincorporated Community
- Municipalities

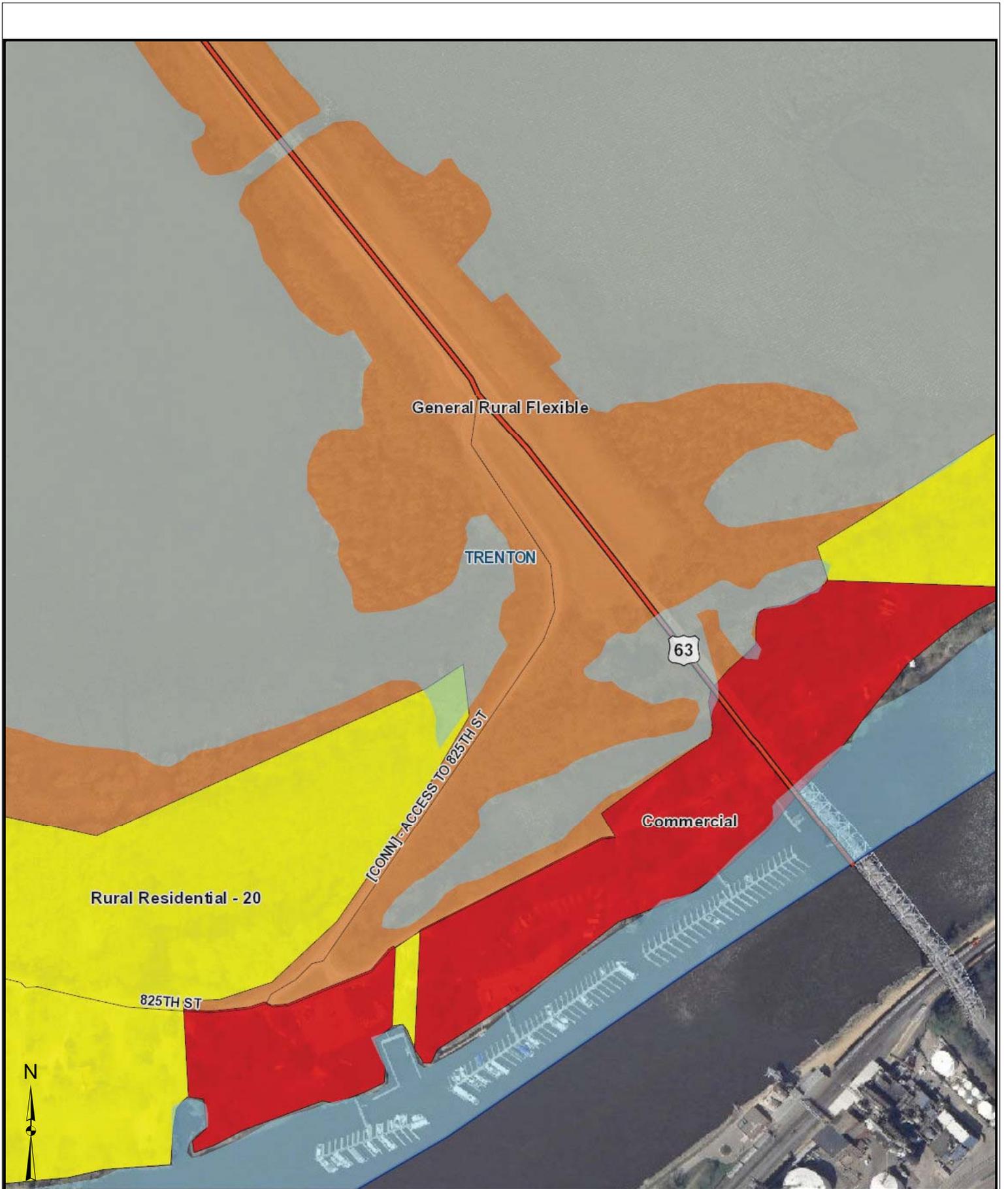
This map is neither a legally recorded map nor a survey and is not intended to be used as one. This map is a compilation of records, information and data located in various city, county, state and federal offices and other sources regarding the area shown, and is to be used for reference purposes only. Created From Red Wing Online Mapping Site. Sources: Goodhue County, MN; City of Red Wing, MN. Map Created: 1/15/2015



US 63 River Bridge and Approach Roadways Project

City of Red Wing Zoning/Land Use
EA Appendix A

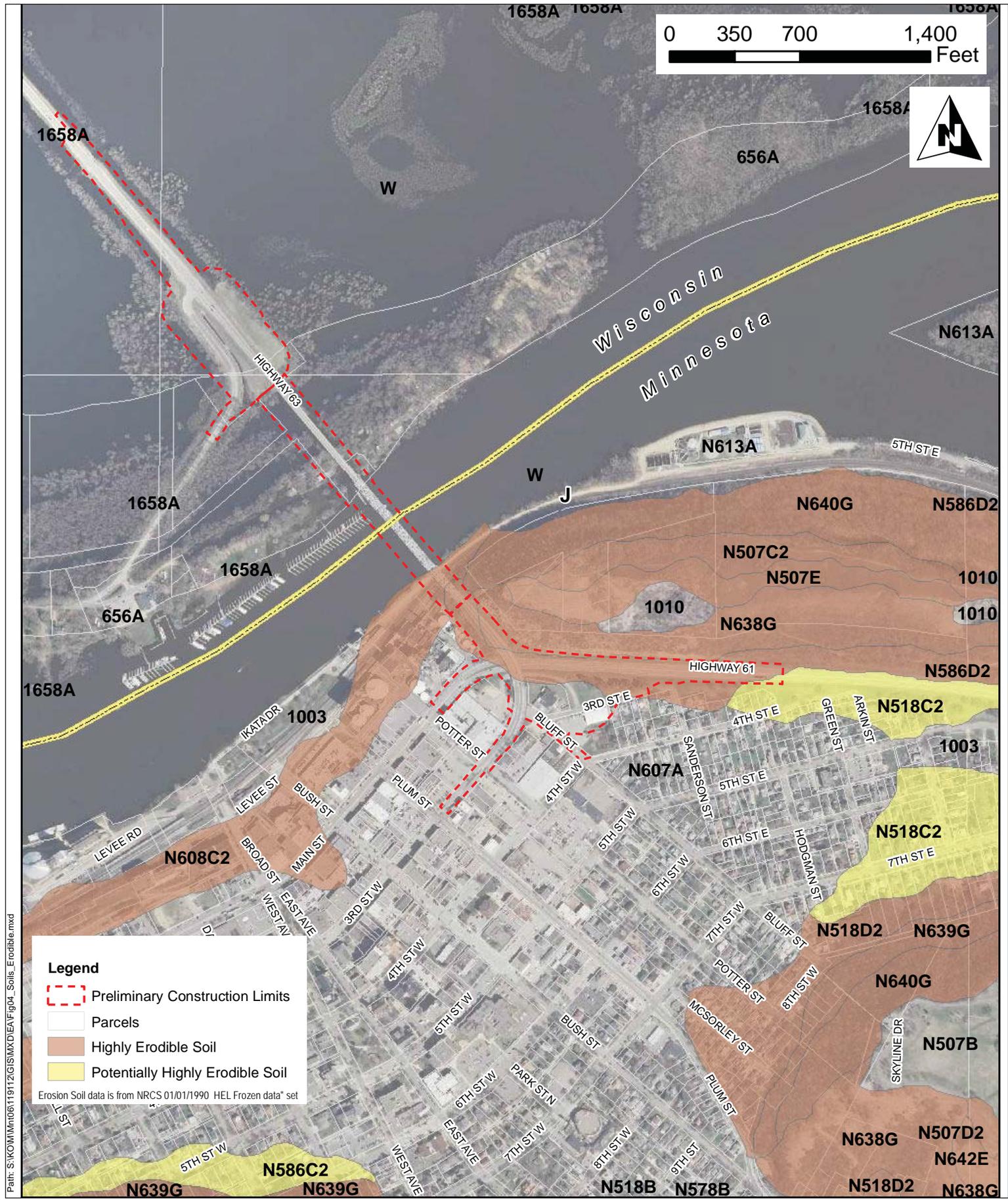
Figure: 19



US 63 River Bridge and Approach Roadways Project

Pierce County Zoning/Land Use
EA Appendix A

Figure: 20



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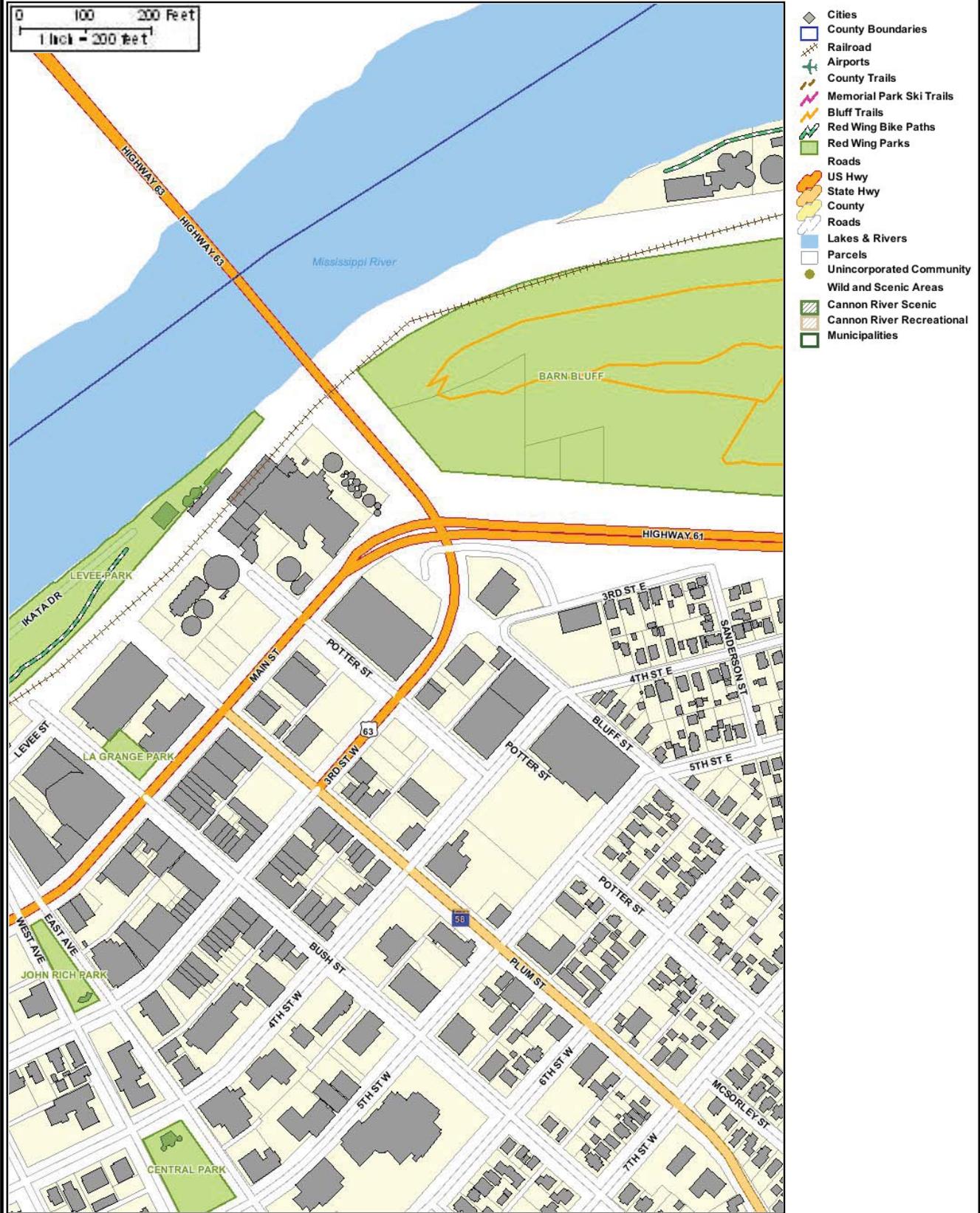


US 63 River Bridge and Approach Roadways Project

SSURGO Soils
Farmland Classification
EA Appendix A

Figure: 21

City of Red Wing Parks and Trails

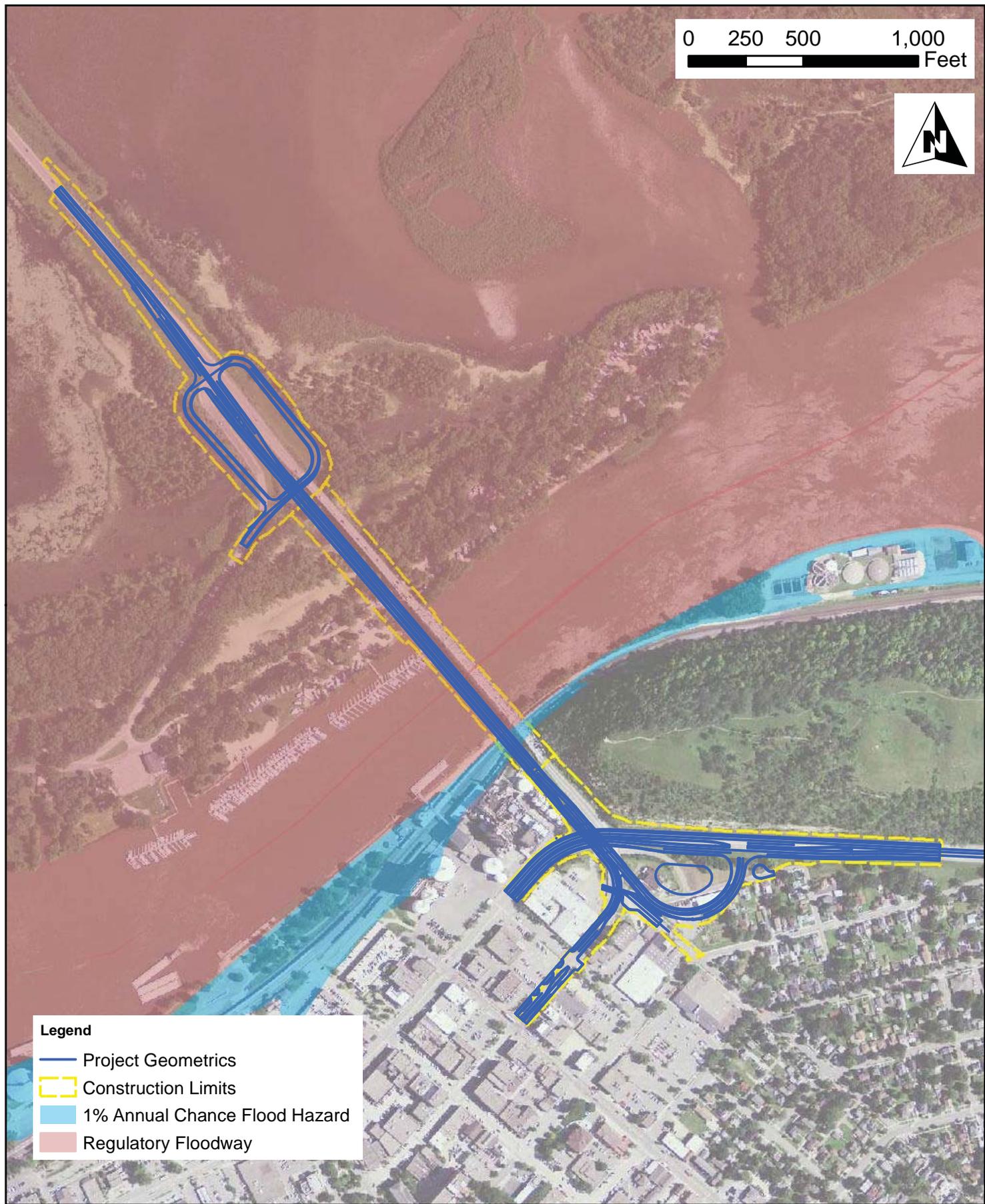


US 63 River Bridge and Approach Roadways Project

City of Red Wing Parks and Trails
EA Appendix A

Figure: 22

0 250 500 1,000
Feet



- Legend**
- Project Geometrics
 - - - Construction Limits
 - 1% Annual Chance Flood Hazard
 - Regulatory Floodway

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US 63 River Bridge and Approach Roadways Project

Floodway
EA Appendix A

Figure: 23

Legend

- Wetland Delineation
- Proposed Project
- Piers
- Preliminary Construction Limits
- Potential Staging Areas
- Temporary Wetland Impacts
- Permanent Wetland Impacts

Wisconsin
Minnesota

River Bridge Piers
- Permanent impacts: 0.05 acres

Ditch #1
- Permanent impacts 0.3 acres



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US 63 River Bridge and Approach Roadways Project

Wetland Impacts
Minnesota
EA Appendix A

Figure: 24



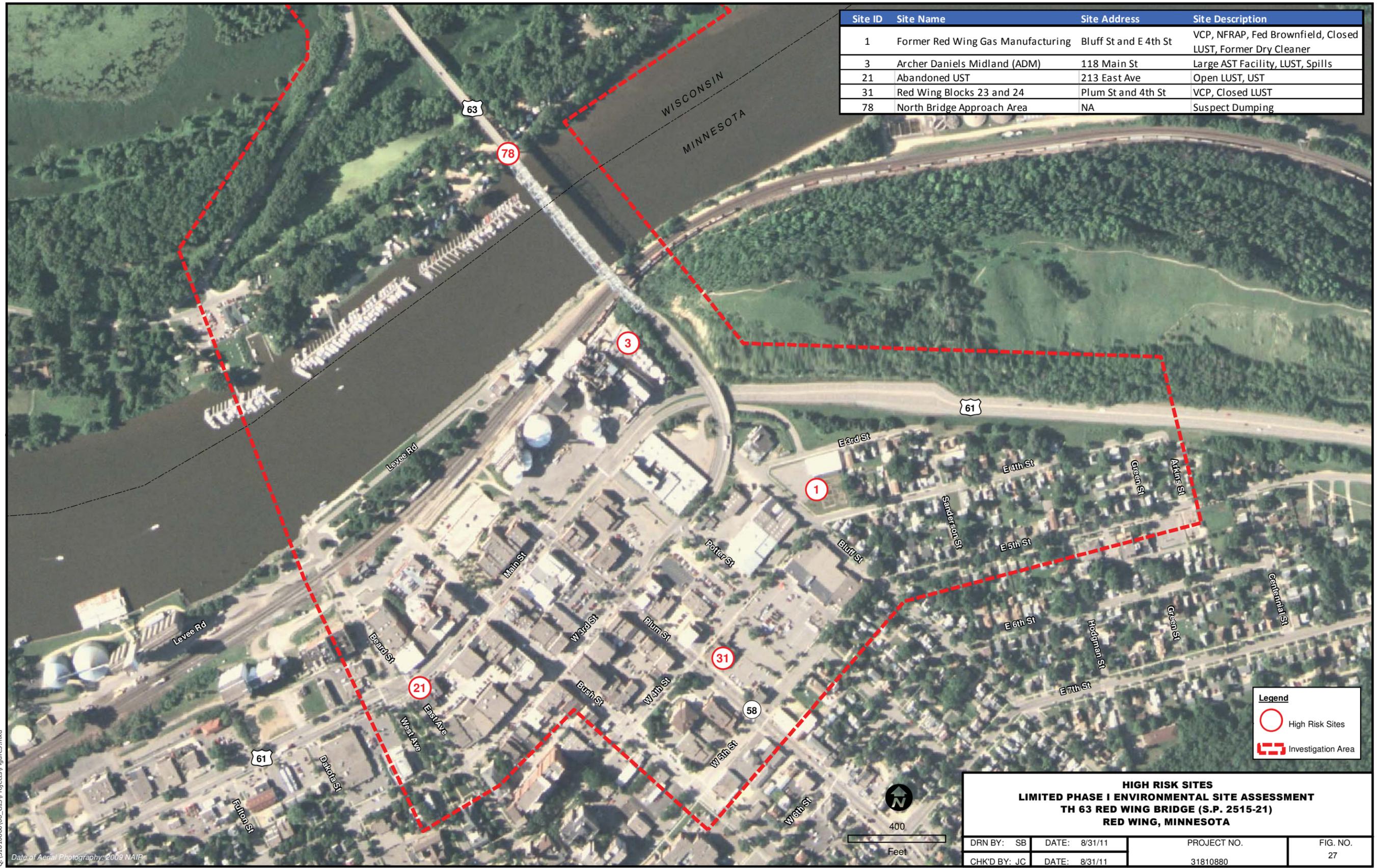
US 63 River Bridge and Approach Roadways Project

Wetland Impacts
 Wisconsin
 EA Appendix A

Figure: 25

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Site ID	Site Name	Site Address	Site Description
1	Former Red Wing Gas Manufacturing	Bluff St and E 4th St	VCP, NFRAP, Fed Brownfield, Closed LUST, Former Dry Cleaner
3	Archer Daniels Midland (ADM)	118 Main St	Large AST Facility, LUST, Spills
21	Abandoned UST	213 East Ave	Open LUST, UST
31	Red Wing Blocks 23 and 24	Plum St and 4th St	VCP, Closed LUST
78	North Bridge Approach Area	NA	Suspect Dumping



**HIGH RISK SITES
LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT
TH 63 RED WING BRIDGE (S.P. 2515-21)
RED WING, MINNESOTA**

DRN BY: SB	DATE: 8/31/11	PROJECT NO.	FIG. NO.
CHK'D BY: JC	DATE: 8/31/11	31810880	27

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Date of Aerial Photography: 2009 NAIP



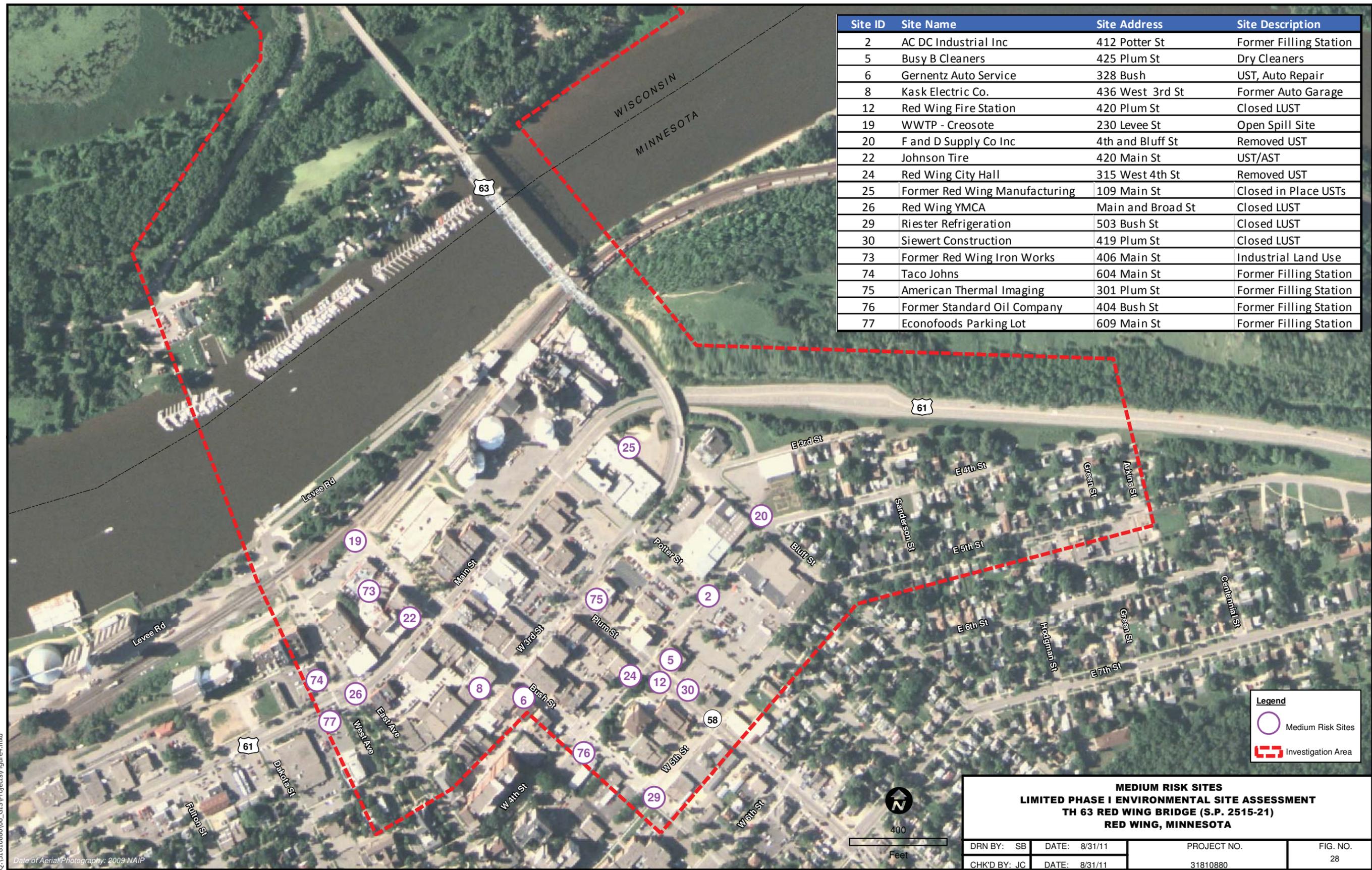
US 63 River Bridge and Approach Roadways Project

High Risk Sites
Environmental Site Assessment
EA Appendix A

Figure: 26

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Site ID	Site Name	Site Address	Site Description
2	AC DC Industrial Inc	412 Potter St	Former Filling Station
5	Busy B Cleaners	425 Plum St	Dry Cleaners
6	Gernentz Auto Service	328 Bush	UST, Auto Repair
8	Kask Electric Co.	436 West 3rd St	Former Auto Garage
12	Red Wing Fire Station	420 Plum St	Closed LUST
19	WWTP - Creosote	230 Levee St	Open Spill Site
20	F and D Supply Co Inc	4th and Bluff St	Removed UST
22	Johnson Tire	420 Main St	UST/AST
24	Red Wing City Hall	315 West 4th St	Removed UST
25	Former Red Wing Manufacturing	109 Main St	Closed in Place USTs
26	Red Wing YMCA	Main and Broad St	Closed LUST
29	Riester Refrigeration	503 Bush St	Closed LUST
30	Siewert Construction	419 Plum St	Closed LUST
73	Former Red Wing Iron Works	406 Main St	Industrial Land Use
74	Taco Johns	604 Main St	Former Filling Station
75	American Thermal Imaging	301 Plum St	Former Filling Station
76	Former Standard Oil Company	404 Bush St	Former Filling Station
77	Econofoods Parking Lot	609 Main St	Former Filling Station



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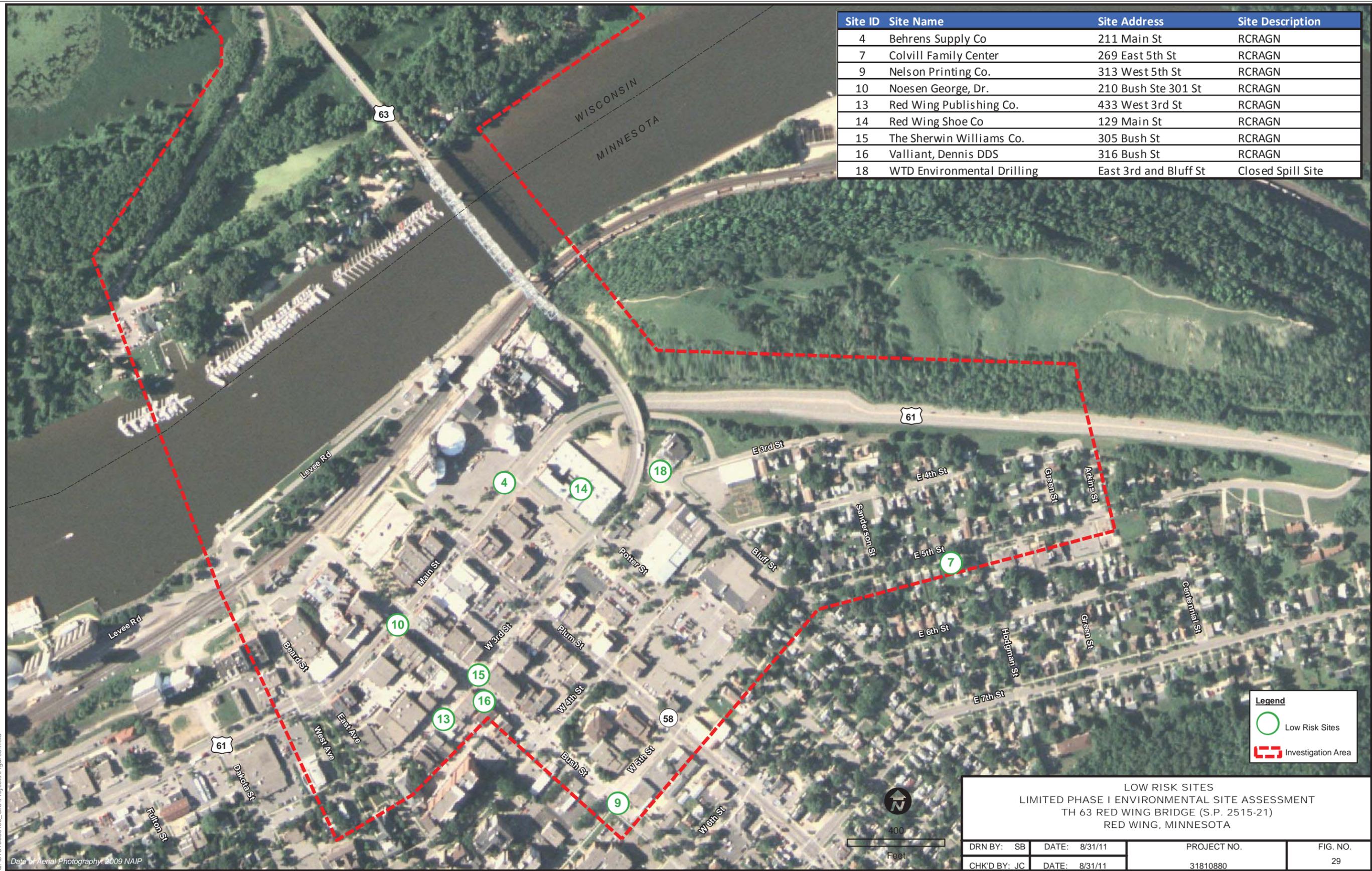
US 63 River Bridge and Approach Roadways Project

Medium Risk Sites
Environmental Site Assessment
EA Appendix A

Figure: 27

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Site ID	Site Name	Site Address	Site Description
4	Behrens Supply Co	211 Main St	RCRAGN
7	Colvill Family Center	269 East 5th St	RCRAGN
9	Nelson Printing Co.	313 West 5th St	RCRAGN
10	Noesen George, Dr.	210 Bush Ste 301 St	RCRAGN
13	Red Wing Publishing Co.	433 West 3rd St	RCRAGN
14	Red Wing Shoe Co	129 Main St	RCRAGN
15	The Sherwin Williams Co.	305 Bush St	RCRAGN
16	Valliant, Dennis DDS	316 Bush St	RCRAGN
18	WTD Environmental Drilling	East 3rd and Bluff St	Closed Spill Site



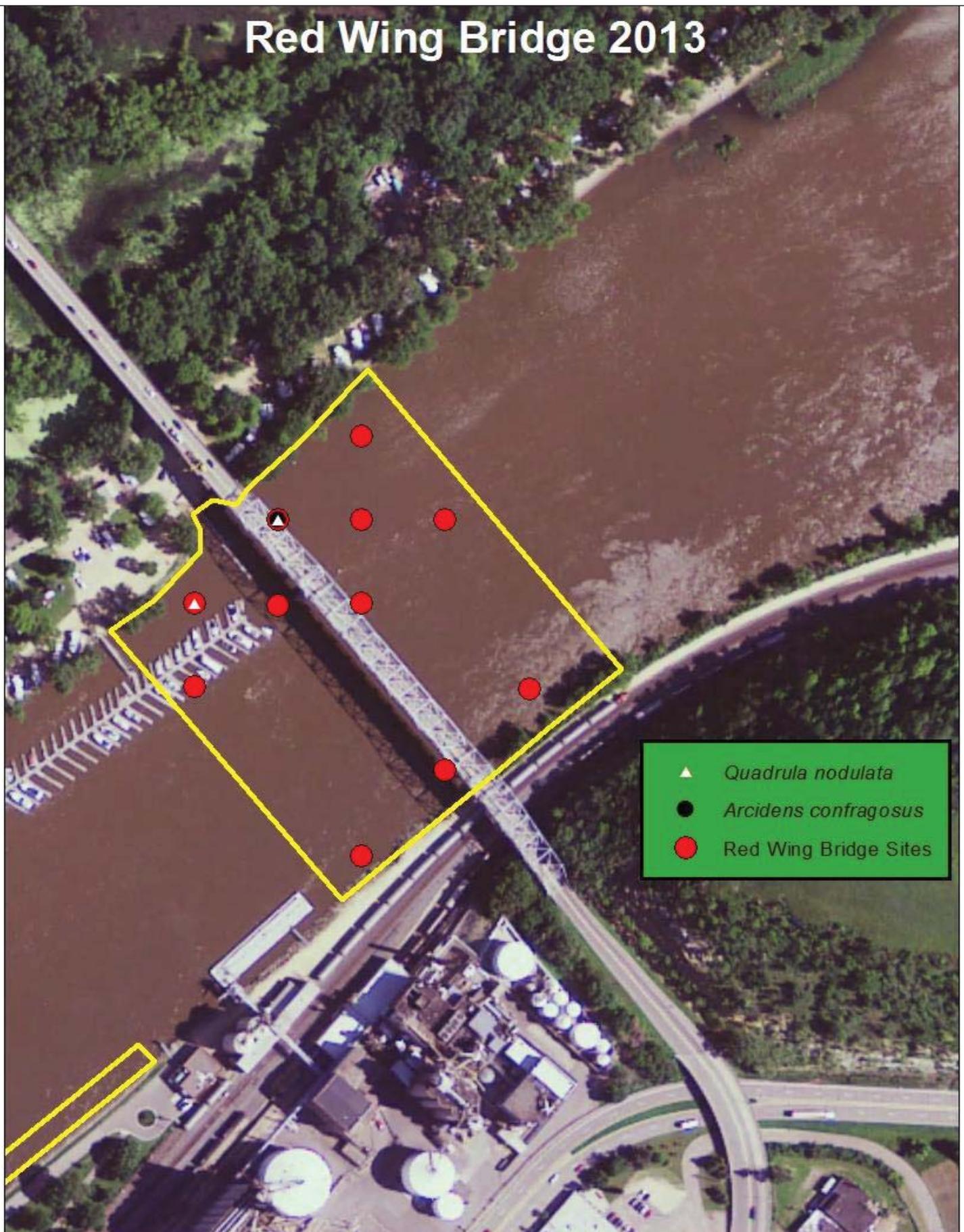
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Red Wing Bridge 2013



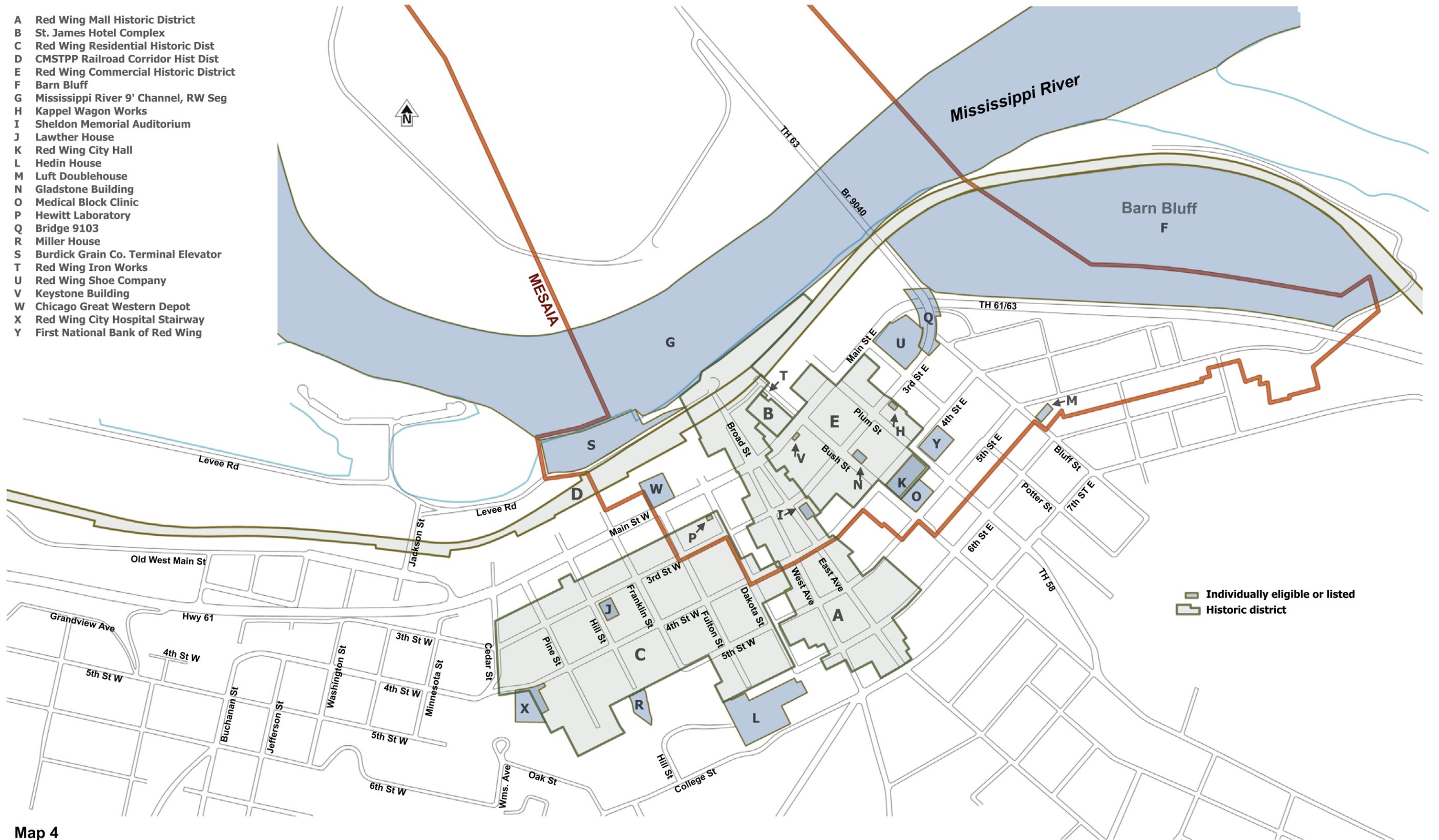
US 63 River Bridge and Approach Roadways Project

Mussel Survey Results
EA Appendix A

Figure: 29

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- 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

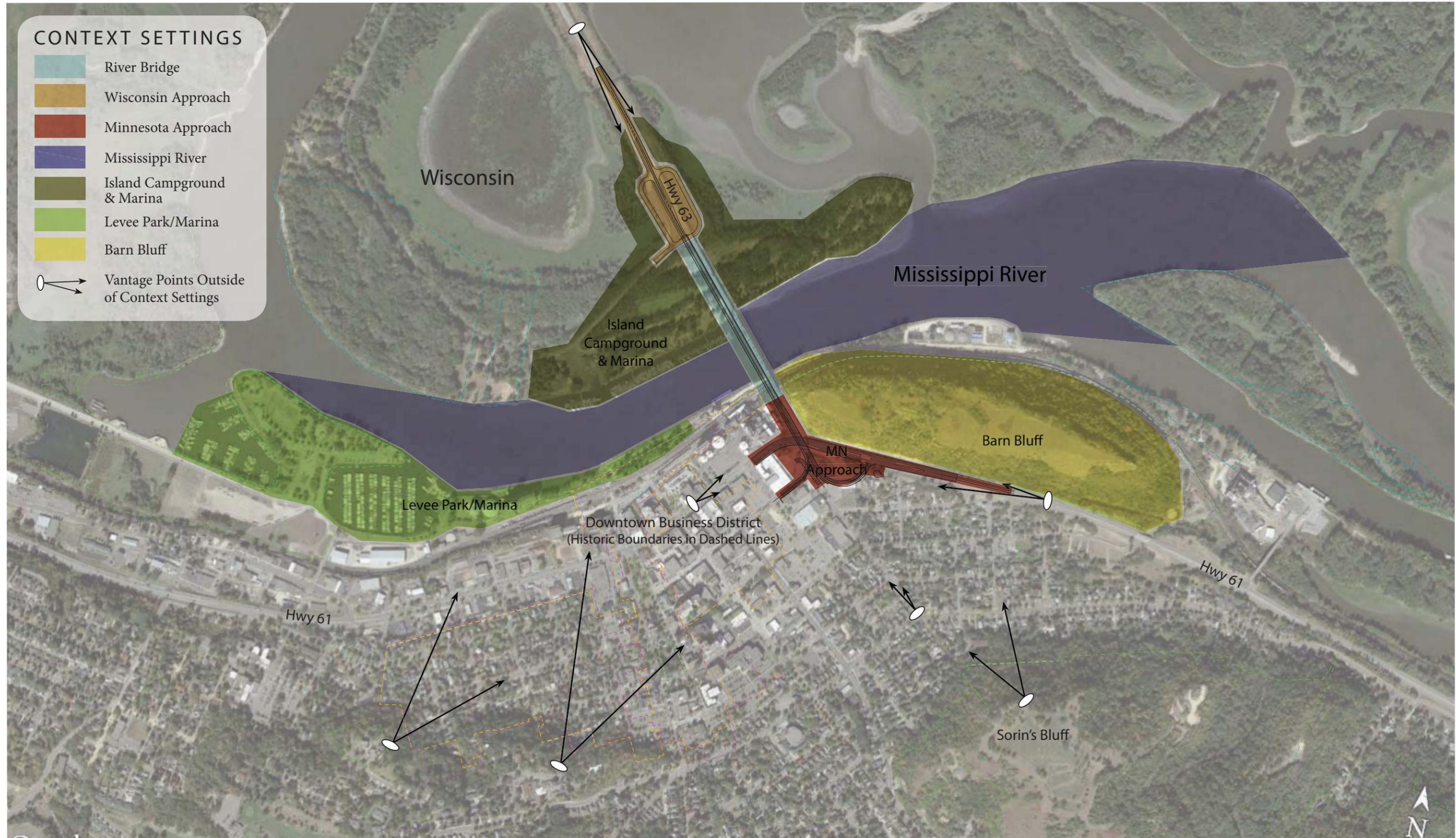


Map 4
Properties in the APE Listed on or Eligible for the National Register

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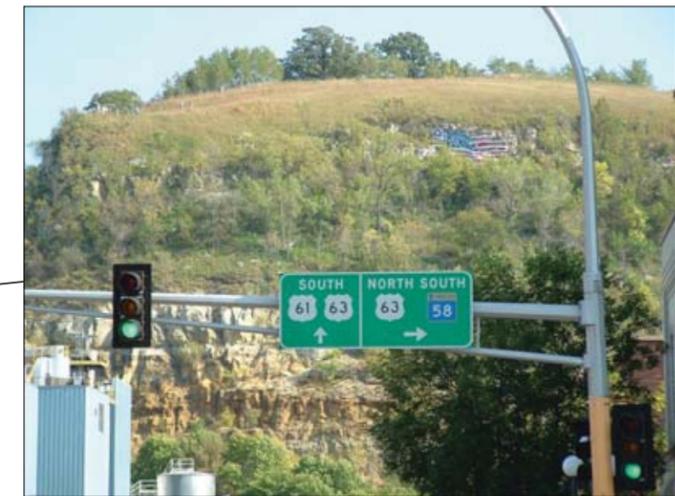
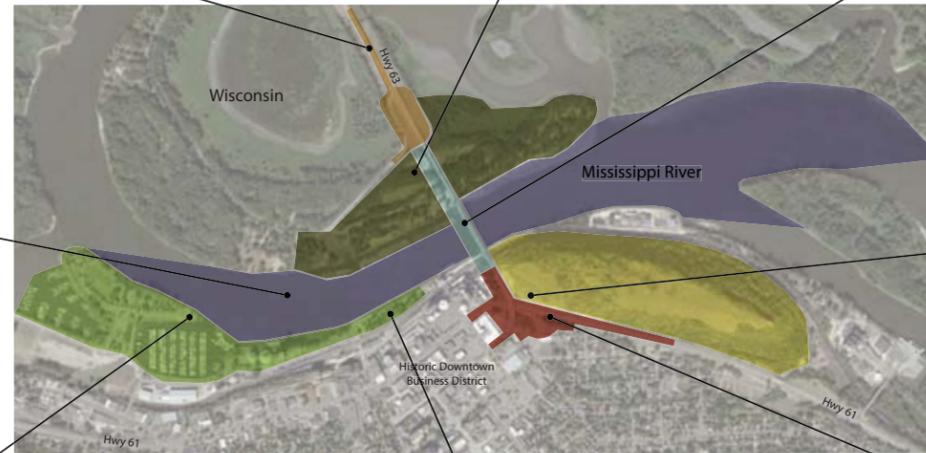
Wisconsin Approach



Island Campground & Marina



Mississippi River



Barn Bluff



Bay Point Park and Red Wing Marina



Levee Park



Minnesota Approach

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Proposed Project Renderings

Proposed river bridge (looking upstream)



Proposed river bridge (Minnesota in foreground, Wisconsin in background)



US 63 River Bridge and Approach Roadways Project

Proposed Project Renderings
River Bridge
EA Appendix A

Figure: 32A

Proposed Wisconsin approach



Proposed Minnesota approach



US 63 River Bridge and Approach Roadways Project

Proposed Project Renderings
Approach Roadways
EA Appendix A

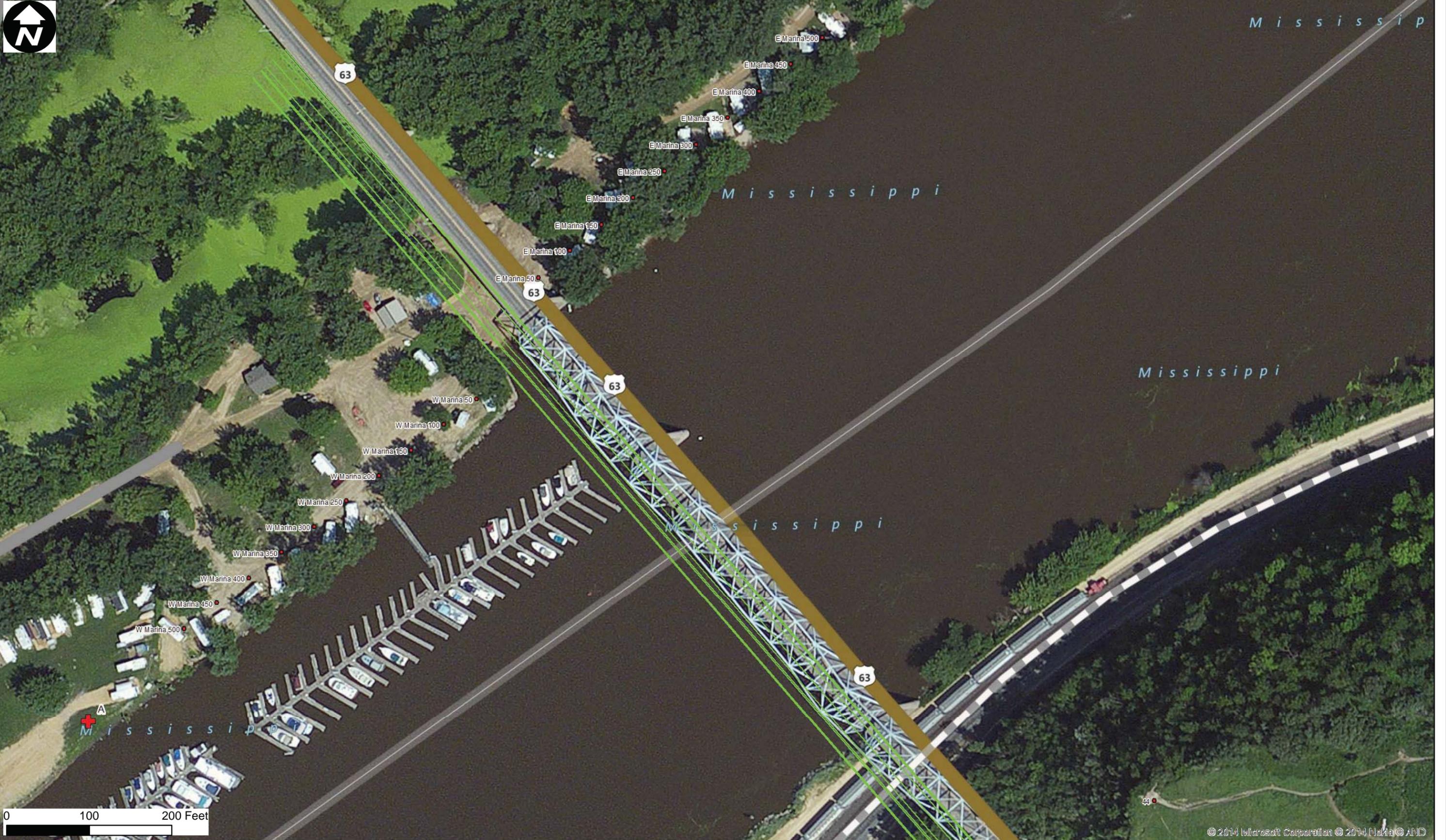
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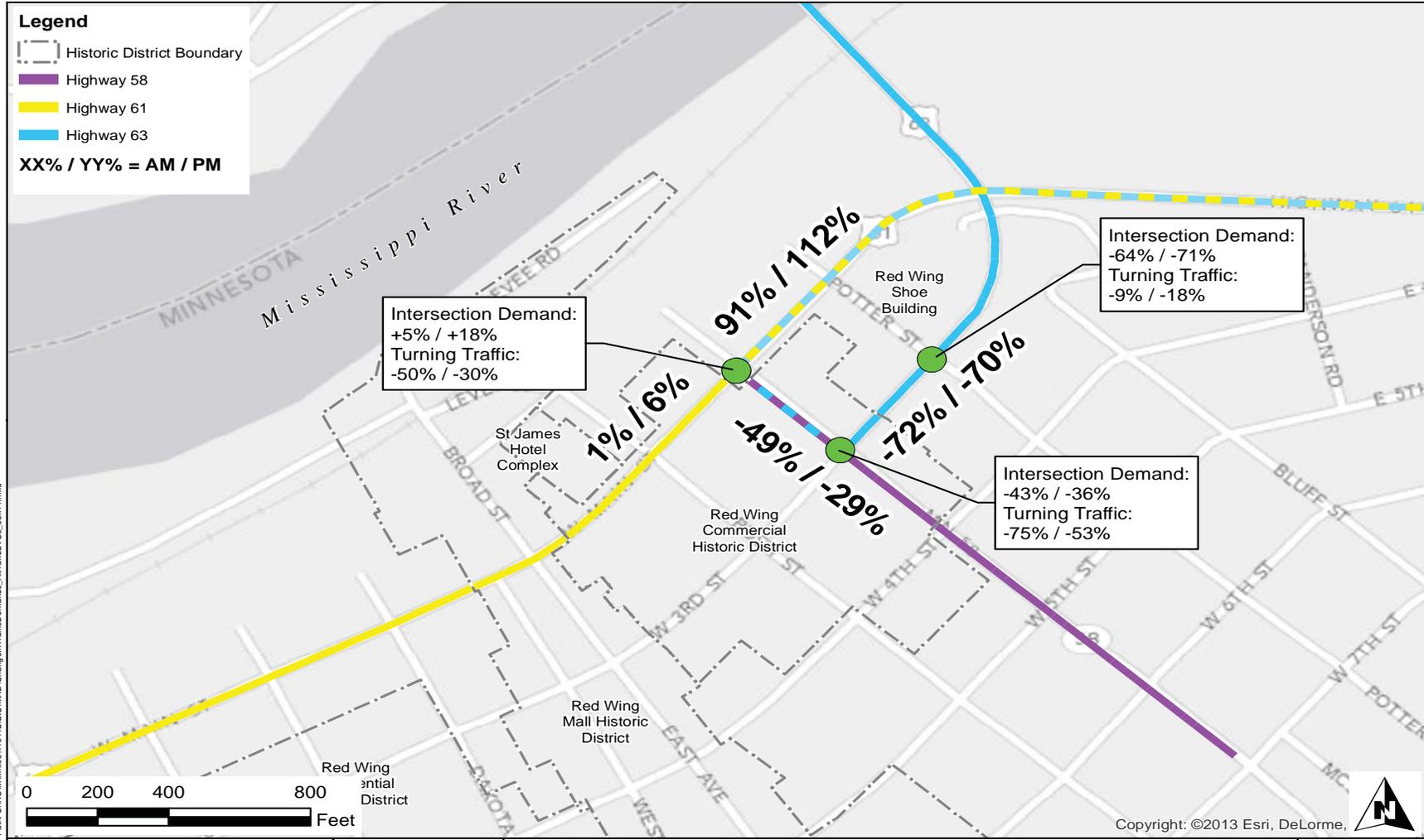


US 63 River Bridge and Approach Roadways Project

Noise Analysis
Wisconsin
EA Appendix A

Figure: 35

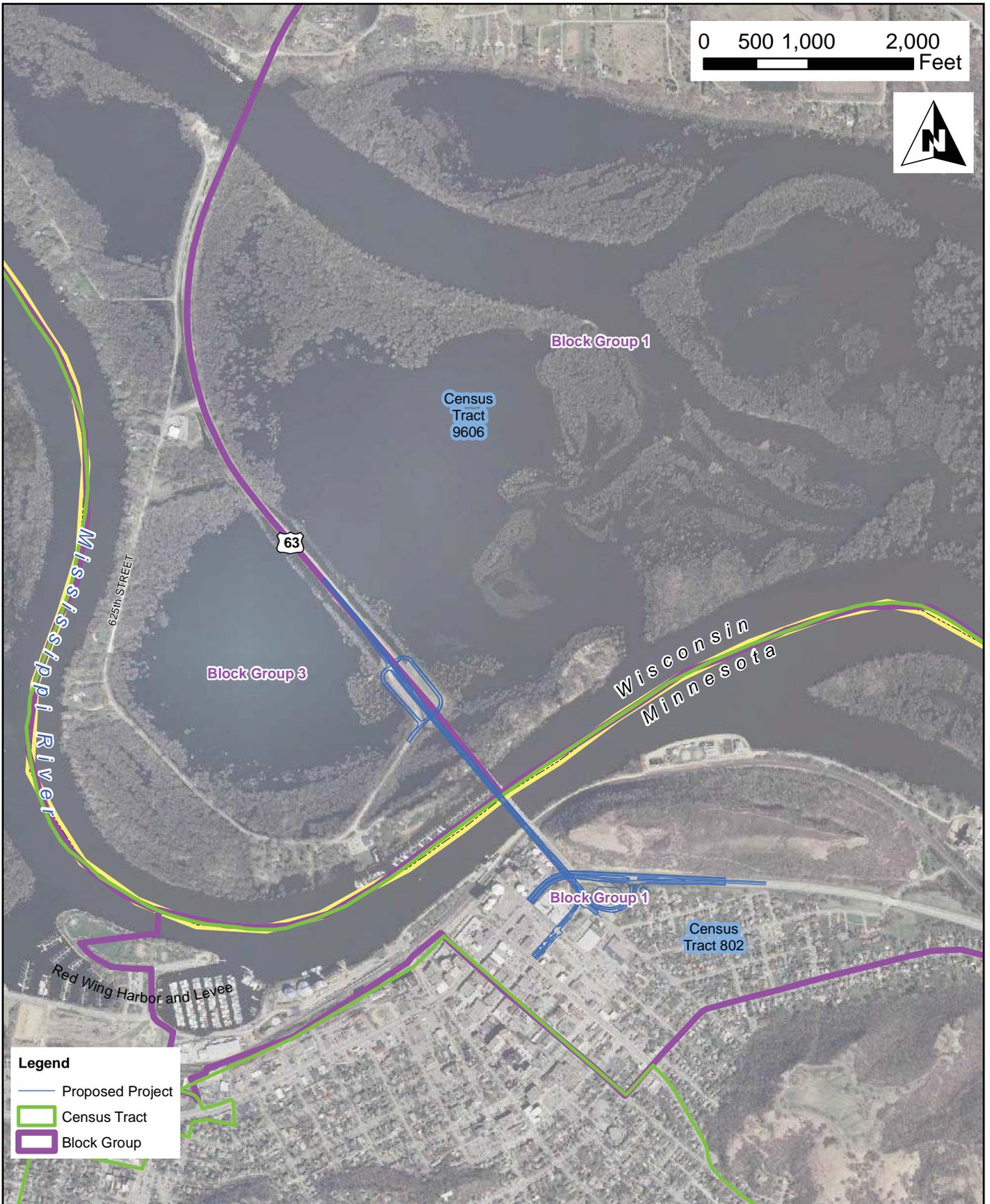
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US 63 River Bridge and Approach Roadways Project

Peak Hour Turning Traffic Reduction Downtown Red Wing, Preferred Alternative EA Appendix A

Figure: 36



US 63 River Bridge and Approach Roadways Project

Environmental Justice Study Area
EA Appendix A

Figure: 37

Appendix B: Technical Memoranda and Reports – Supplemental CD

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