



Winona Bridge Project
Work Package #4 Cooperative Agreement
City Council Briefing
January 20, 2015

We all have a stake in **A**  **B**



Outline

- Quick Recap
- Project Status
- Work Package #4 Cost/Ownership/Maintenance
- W.P. #4 Cooperative Agreement Costs
- WP #4 Maintenance Highlights
- Looking Ahead to W.P. #5 (Bridge 5900 and Site Work)
- Questions ???





Quick Recap

- April 2013: Project Letting – Spring 2015
 - More Likely 1-2 years later.
- May 2013: CMGC
 - Construction Start: July 2014 to March 2015
 - Open new Bridge by end of 2016.
 - Keep River Crossing Open.
 - Work within Project Budget.
 - Minimize City Costs.
- June 30, 2013: Municipal Consent Request
 - Estimated City Costs; \$713,000.





Quick Recap

- August 19, 2013
 - Municipal Consent Granted.
 - Assurance of MnDOT Partnering.
 - MnDOT Ramp Up Project Investments.
 - Need Cooperative Agreement(s).
- February 24, 2014
 - Cooperative Agreement Update.
 - Judy and Terry to come back to Council.
- August 18th and November 10, 2014
 - Cooperative Agreement Updates.





Project Status

- Visual Quality Committee Work Completed.
- Work Package # 1-3 Under Construction
 - Early Piling Procurement.
 - Temporary Construction Access.
 - New Bridge River Foundations.
 - Approx. \$23.5 million.
- Goal:
 - Minimize Spring Flooding Impacts.
 - On Schedule.





Project Status

- Work Package #4
 - Remainder of New Bridge and Roadway Work.
 - Letting Date: January 27, 2015.
 - Approx. \$54 million
 - Construction Schedule built with Ames.
 - ✓ New Bridge open by end of 2016 (aggressive).
 - ✓ Likely will work over 2015-2016 Winter Season.
 - ROW on-schedule.



Work Package #4

Cost/Ownership/Maintenance

- Framework for Cooperative Agreement.
- Handout.

S.P. 8503-46 Work Package #4
 Highway 43 Winona Bridge Project
 Bridge Aesthetic / Operational Items

 Winona Bridge
 CMGC Project

Item	Ownership	Construction Cost	Maintenance
Overlooks	MnDOT	Included in Bridge Aesthetics	<p><u>Structural:</u> MnDOT (annual flushing also)</p> <p><u>General:</u> City (sweeping and snow removal – see bridge bike path under operational items)</p>
Railings	MnDOT	Included in Bridge Aesthetics	<p><u>Structural:</u> MnDOT (MnDOT provides labor and City reimburses MnDOT for material costs)</p> <p><u>General:</u> MnDOT Painting etc. (MnDOT provides labor and City reimburses MnDOT for material costs)</p>

October 31, 2014





Work Package #4

Cooperative Agreement Costs

- Bridge No. 85851 Aesthetics.
- Traffic Control Signal “A” at TH 43 / 4th/ Winona.
- Traffic Control Signal “B” at 4th / Huff.
- 4th Street South Side Reconstruction (Winona –Huff).
- TH 43 Parking.
- Construction Oversight.
- Future Roadway Aesthetics Credit for Retaining Wall / Ornamental Railings.

FINAL COSTS BASED ON BID PRICES.





Work Package #4

Cooperative Agreement Costs

- Typical Costs:
 - New Signal System: \$225,000 to \$250,000.
 - 4th Street Reconstruction (as-is): \$100,000 to \$150,000.
 - 4th Street Reconstruction (widening): >\$ 750,000.





City Cost Summary

W.P. #4 Cooperative Construction Agreement

	State Aid Funds	City Funds
Bridge Aesthetics	\$ 0.00	\$ 0.00
Signal System "A" & Associated Work (includes Huff Street S. side)	\$ 153,074.50	\$ 0.00
Signal System "B" & Associated Work	\$ 93,909.12	\$ 2,662.50
4 th Street Parking	\$ 312.40	\$ 0.00
Subtotal	\$ 247,296.02	\$ 2,662.50
Construction Engineering (8%)	\$ 19,783.69	\$ 213.00
City Utility Design Costs	\$ 0.00	\$ 153.29
Totals by Funding Source	\$ 267,079.71	\$ 3,028.79
ESTIMATED TOTAL	\$ 270,108.50	



City Cost Summary

W.P. #4 Cooperative Construction Agreement

PRELIMINARY SCHEDULE "I"					
Agreement No. 07325					
City of Winona					
S.P. 8503-46 (T.H. 43=075)	Preliminary: December 30, 2014				
S.P. 8503 (85851)					
S.A.P. 176-010-006 (T.H. 43)					
S.A.P. 176-106-003 (Fourth Street)					
S.A.P. 176-108-013 (Huff Street)					
Remainder of Bridge 85851, grading, paving, drainage, retaining walls, signing, lighting, and striping construction to start approximately February 12, 2015 under State Contract No. _____ with _____ located on T.H. 43 from Fourth Street to Latsch Island Entrance					
CITY COST PARTICIPATION					
	TOTALS	S.A.P. 176-106-003	S.A.P. 176-108-013	S.A.P. 176-010-006	CITY LOCAL FUNDS
From Sheet No. 3 - 4th & Huff St. Intersection		33,232.31	33,232.31		
From Sheet No. 4 - T.H. 43 Parking				312.40	
From Sheet No. 5 - So. Side of 4th Street & 4th & Winona St. Signal		140,046.00			
From Sheet No. 6 - Huff Street			1,387.50		
From Sheet No. 7 - 4th & Huff - Utility work					\$2,662.50
State Furnished Materials Fourth Street & Winona Street (50/50 Split)		13,028.50			
State Furnished Materials Fourth Street & Huff Street (100% City Cost)		13,028.50	13,028.50		
Subtotals		\$199,335.31	\$47,648.31	\$312.40	\$2,662.50
Construction Engineering (8%)		15,946.83	3,811.87	24.99	213.00
Overpayment by State for Utility design cost to City	\$153.29				
(1) Total City Cost	\$270,108.50	\$215,282.14	\$51,460.18	\$337.39	\$2,875.50
(1) Amount of advance payment as described in Article 6, Section 6.2. of the agreement (Estimated amount)					





City Revenue from MnDOT Summary

Item	City Revenue
Right of Way Acquisitions	\$ 77,426.00
Levee Sand Storage Temporary Easement	\$ 4,655.25
Detour Agreement	\$ 1,832.04
Work Package #2 Sand	\$ 51,075.00
Future WP #4 Sand (estimate ???)	\$ 25,000.00
ESTIMATED REVENUE TOTAL	\$ 159,988.29
Future Excess Right of Way Utilization ????	





Bridge No. 85851 Aesthetics (Bridge 5900)

W.P. #4 Cooperative Construction Agreement

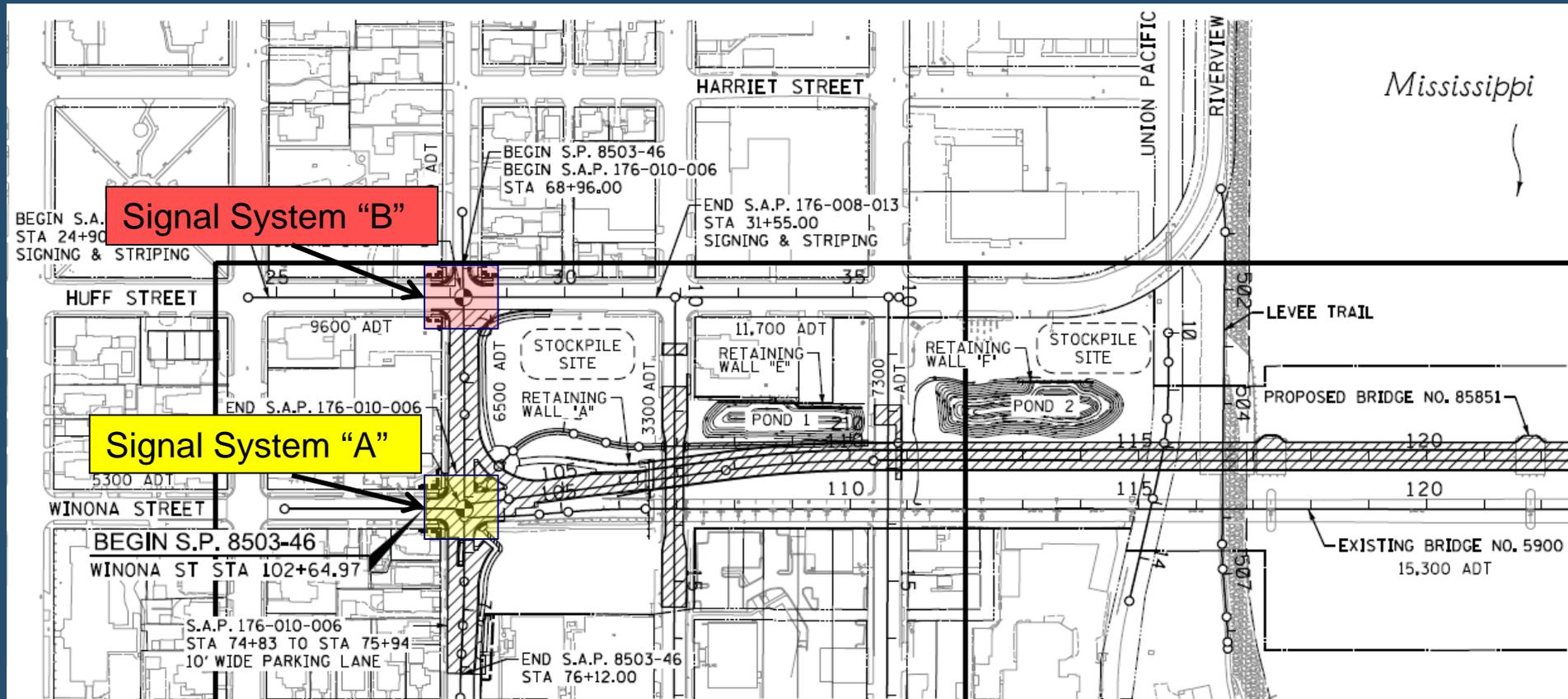
No City Upfront Cost.





Signal Systems "A" and "B"

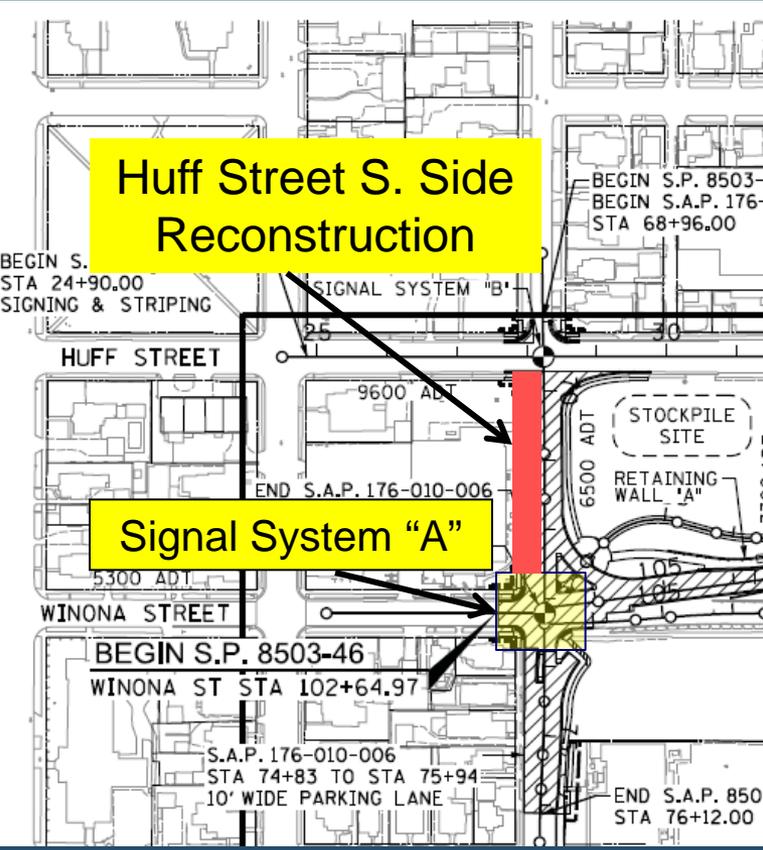
W.P. #4 Cooperative Construction Agreement





Signal Systems "A" Costs (50/50 Split)

W.P. #4 Cooperative Construction Agreement



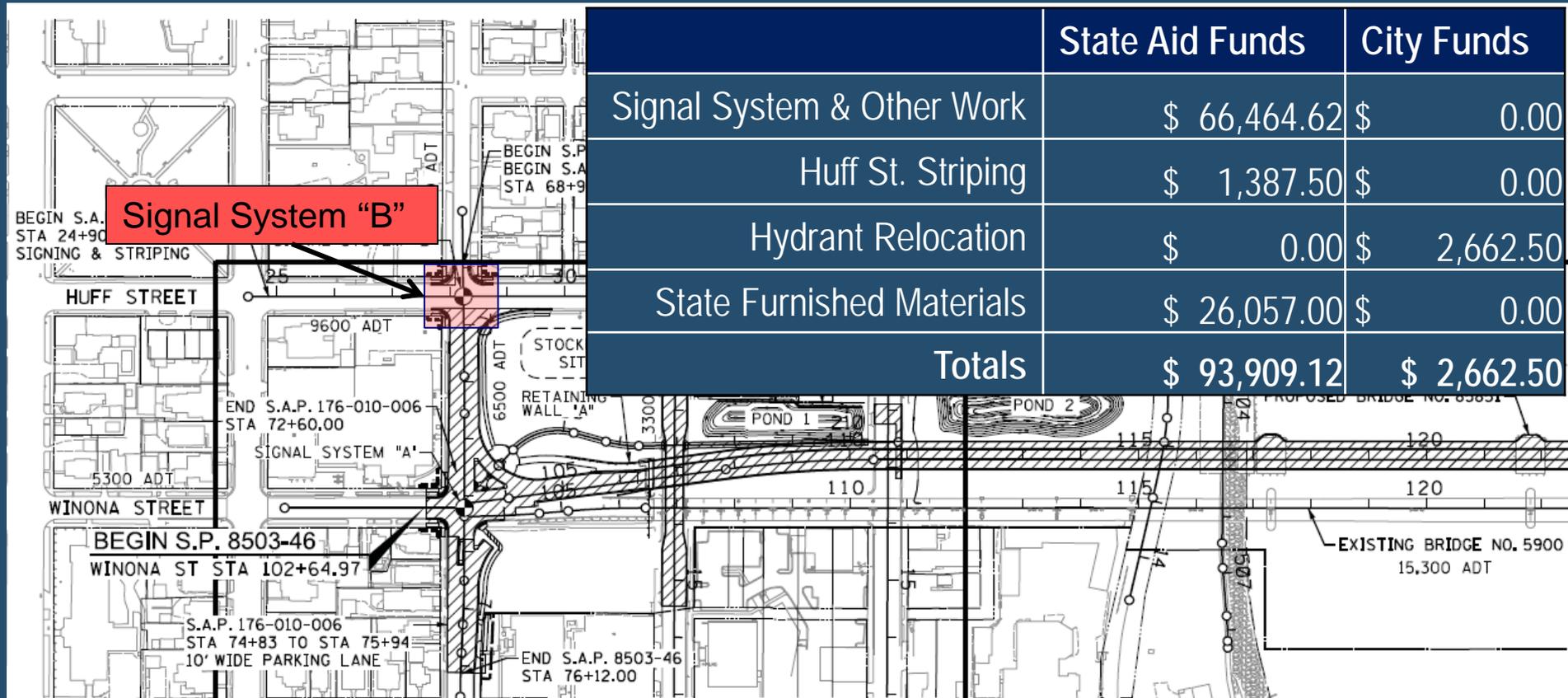
	State Aid Funds	City Funds
Signal System and Huff Street S. side Reconstruction.	\$ 140,046.00	\$ 0.00
State Furnished Materials	\$ 13,028.50	\$ 0.00
Totals	\$ 153,074.50	\$ 0.00





Signal Systems "B" Costs (75/25 Split)

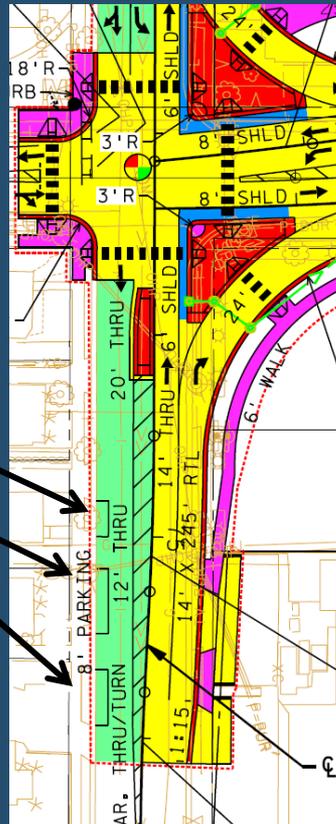
W.P. #4 Cooperative Construction Agreement





4th Street Parking Reconstruction

W.P. #4 Cooperative Construction Agreement



	State Aid Funds	City Funds
4 th Street Parking	\$ 312.40	\$ 0.00





Retaining Wall – Ornamental Railing

W.P. #4 Cooperative Construction Agreement



	Roadway Aesthetics Allotment	City Cost
Future WP #5 Cooperative Agreement State Credit	\$ -5,475.38	\$ 0.00



Maintenance – Storm Sewer & Ponds

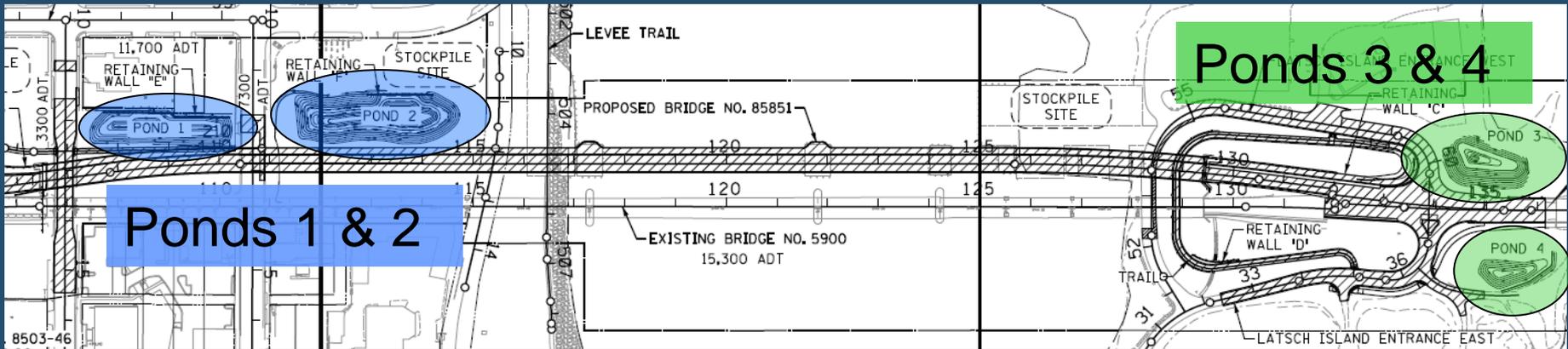
W.P. #4 Cooperative Construction Agreement

City Responsibilities

- Ponds 1 and 2
(Accumulates drainage from excess R/W)
– Inspection & Maintenance

State Responsibilities

- Ponds 3 and 4
– Inspection & Maintenance



Maintenance – Retaining Walls

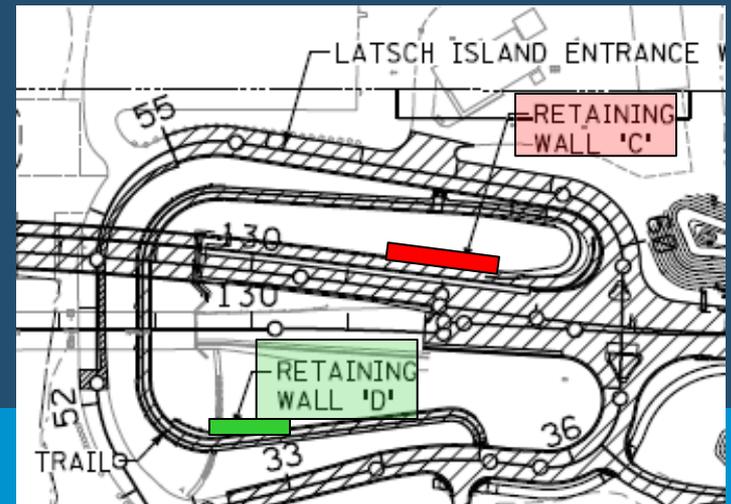
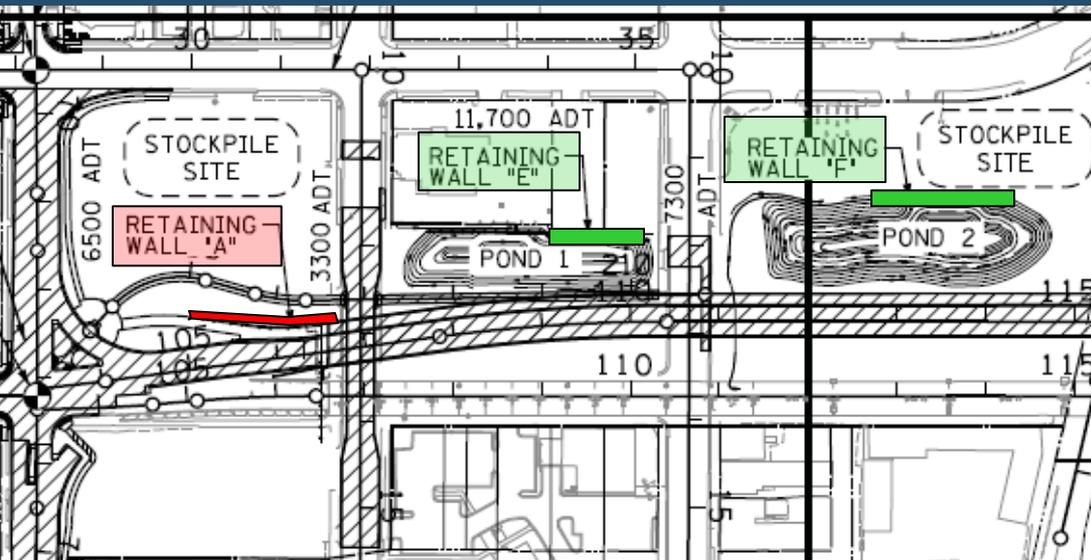
W.P. #4 Cooperative Construction Agreement

State Responsibilities

- Maintenance for Railing on Bridge & Wing Walls

City Responsibilities

- Walls A & C
 - Aesthetic-only Maintenance
- Walls D, E & F
 - Full Maintenance





Maintenance – Bridge No. 85851

W.P. #4 Cooperative Construction Agreement

City Responsibilities

- Material Cost for Ornamental Railing Maintenance.
- Snow and Ice and Debris Removals on Overlooks.

State Responsibilities

- Maintenance for Ornamental Railing.
- Structural Maintenance and Annual Flushing of Overlooks.
- Structural Maintenance and Snow and Ice Removal of Shared Pathway.



DISCUSSIONS WITH MnDOT and CITY REGARDING SHARED PATH SNOW ICE REMOVAL / BRIDGE AESTHETIC LIGHTING MAINTENANCE.





Maintenance – City Responsibilities

W.P. #4 Cooperative Construction Agreement

Roadways

- Maintenance & Operation of:
 - 2nd / 3rd / 4th Streets
 - Winona / Huff Streets
 - Latsch Island Roadways

Aesthetic Lighting – Bridge No. 85851 (Bridge 5900)

- Ownership
- Power Supply
- Maintenance
- USFWS / MnDNR “Lights-out”

Municipal Utilities

- Ownership
- Maintenance



Main Span Unit Aesthetic Lighting





Looking Ahead to Work Package #5

W.P. #5 Cooperative Construction Agreement

Bridge 5900

LIGHTING

Night Views 



View of Bridges Looking Downstream
(New Bridge in Foreground / Proposed Trailhead not Illustrated)

Winona Bridge Visual Quality Review Committee Meeting 7

Slide 39



South Approach





Looking Ahead to Work Package #5

W.P. #5 Cooperative Construction Agreement

FRAMEWORK

- Roadway Aesthetic Maximum Allocation – 3%.
- South Plaza Concrete Baseline – MnDOT Cost – Standard Concrete.
- Staircase – City Cost / Ownership / Maintenance.
- Levee Trail Connection Opportunities.



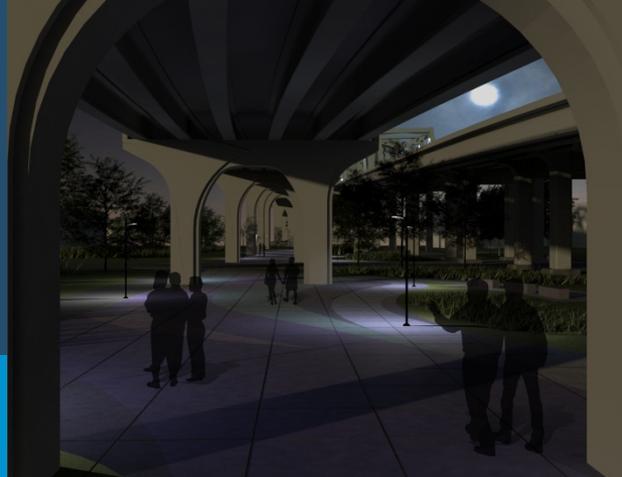


Looking Ahead to Work Package #5

W.P. #5 Cooperative Construction Agreement

Conceptual Revenue and Costs – All Estimated

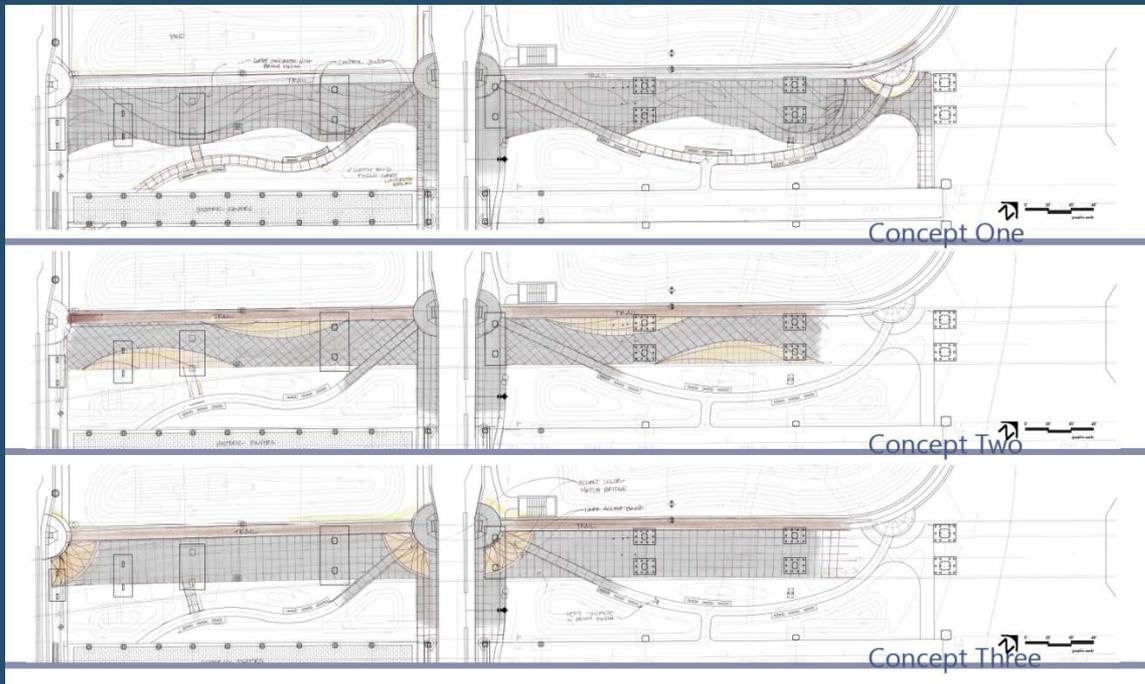
- Roadway Aesthetic Maximum Allocation – \$300,000
 - Much Better Idea after WP #4 Letting.
- South Plaza Concrete Baseline – \$200,000 to \$250,000 (MnDOT Cost.)
- Staircase – City Cost / Ownership / Maintenance - \$250,000
- Levee Trail Connection Opportunities - \$100,000.



Looking Ahead to Work Package #5

W.P. #5 Cooperative Construction Agreement

Conceptual Site Plans / Costs Handout



Does Not Include:

- Staircase
- Bike Trail Completion.
- Levee Trail Connection.
- Latsch Island Items.
- Monument(s).
- Local Artwork.
- Excess ROW Areas.





Construction Staging

Parking Under Existing Bridge to end on March 1, 2015



Questions?

