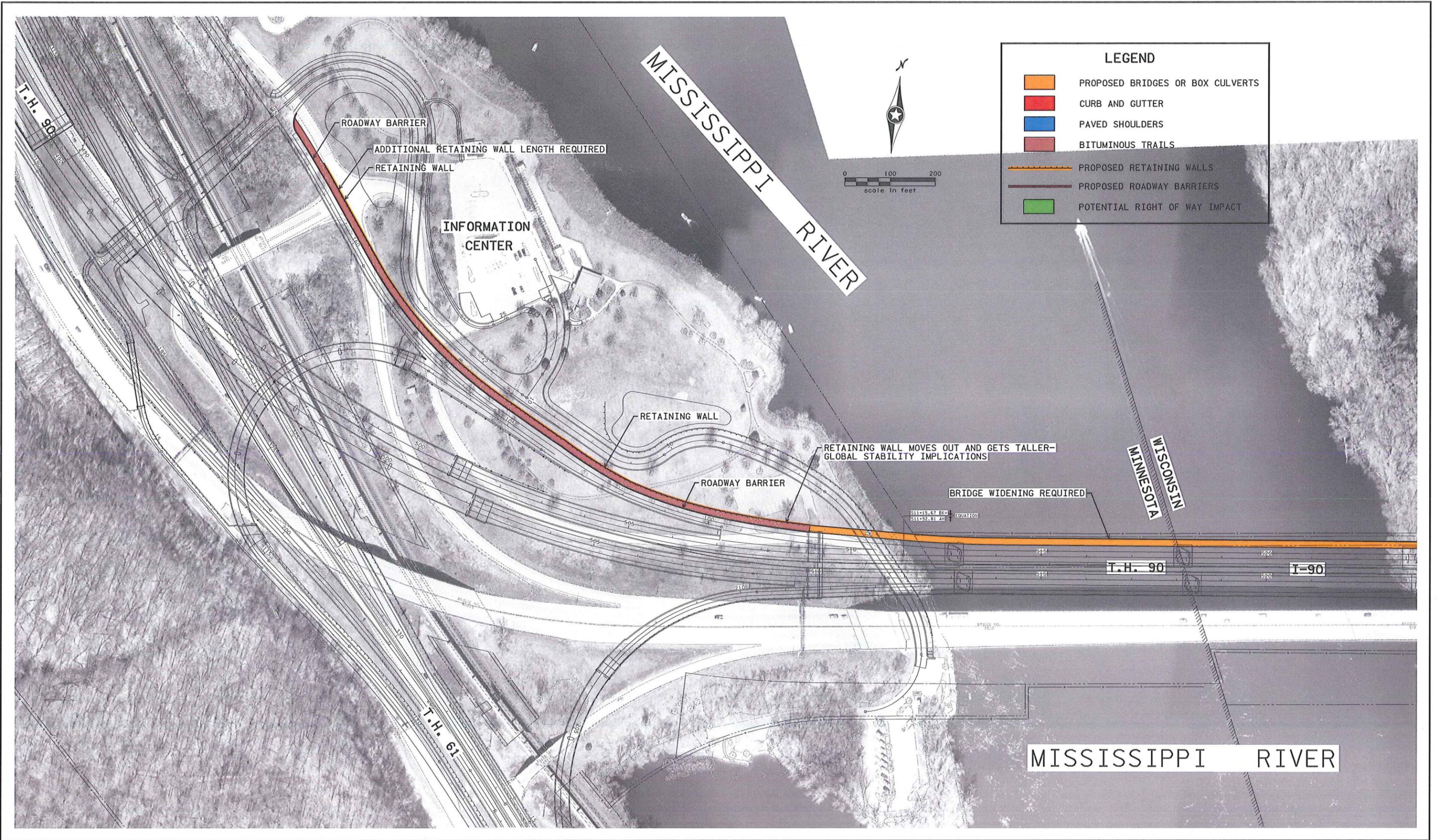


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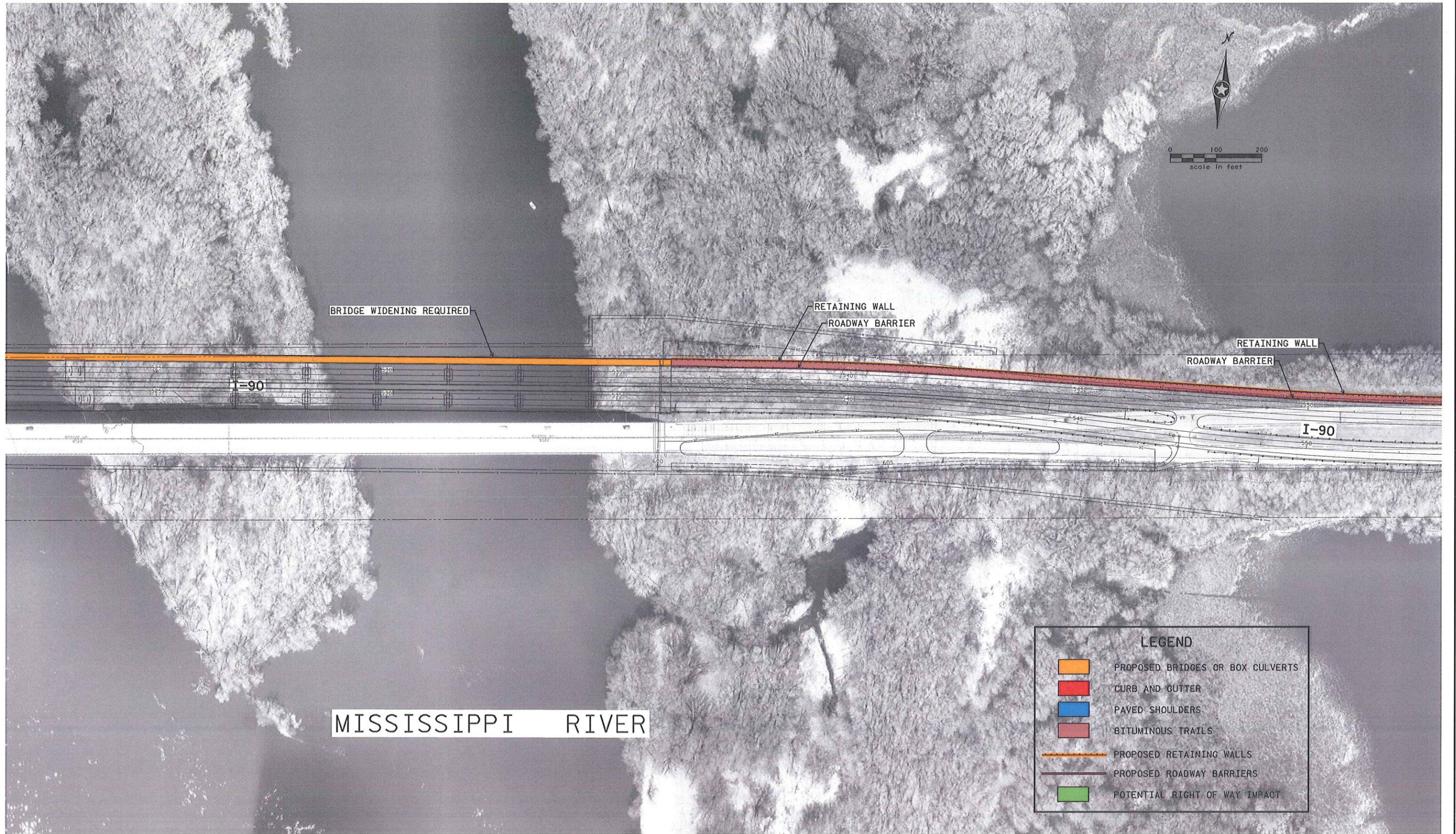
Ped / Bike Trail Feasibility Study - North Side Option - Typical Section With Retaining Walls - 1a

Dresbach Interchange
Winona County, MN
LaCrosse County, WI

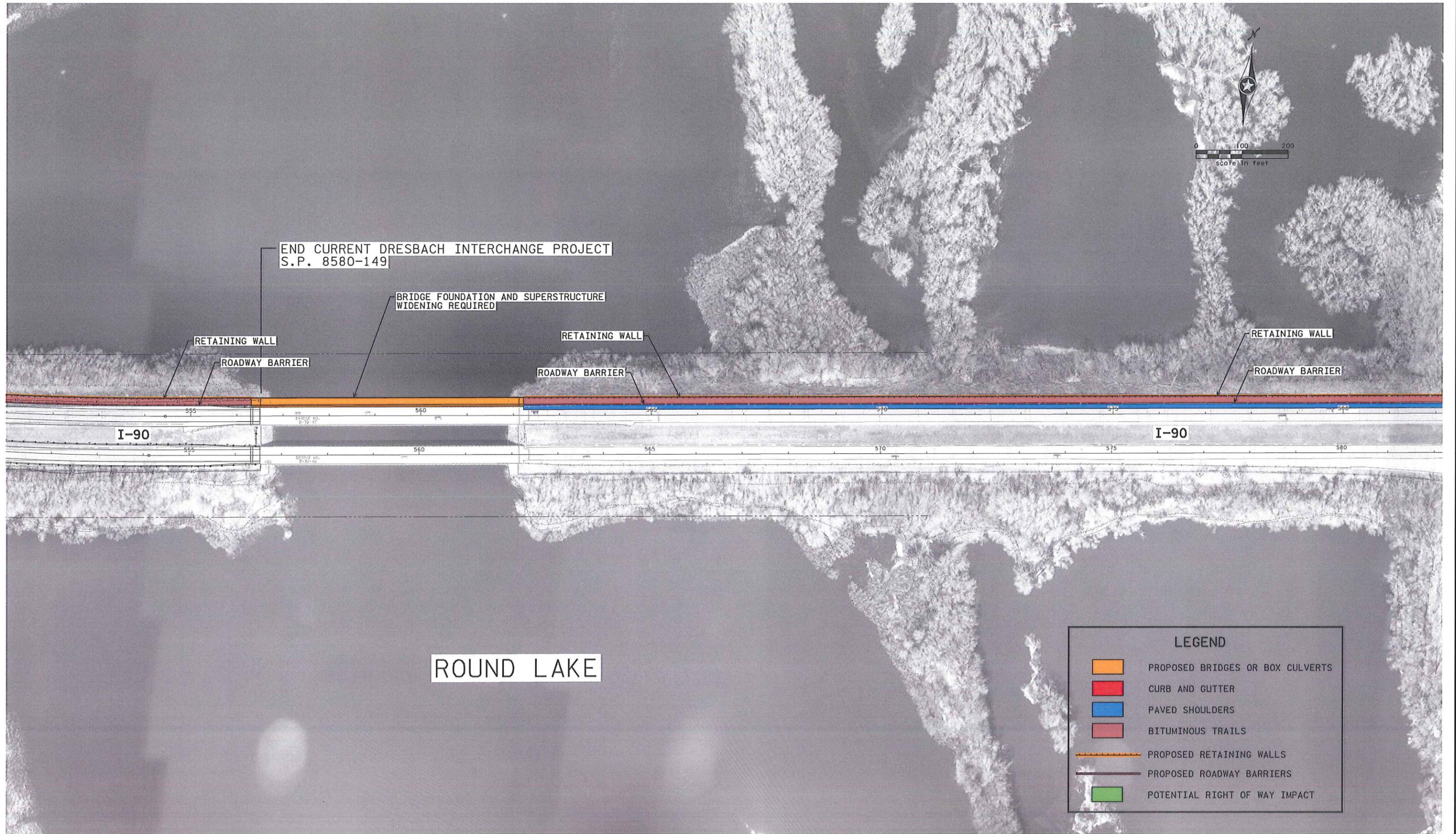
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Figure 1

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Ped / Bike Trail Feasibility Study - North Side Option - Typical Section With Retaining Walls - 1a

Dresbach Interchange
Winona County, MN
LaCrosse County, WI

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10/4/2011

Figure 3

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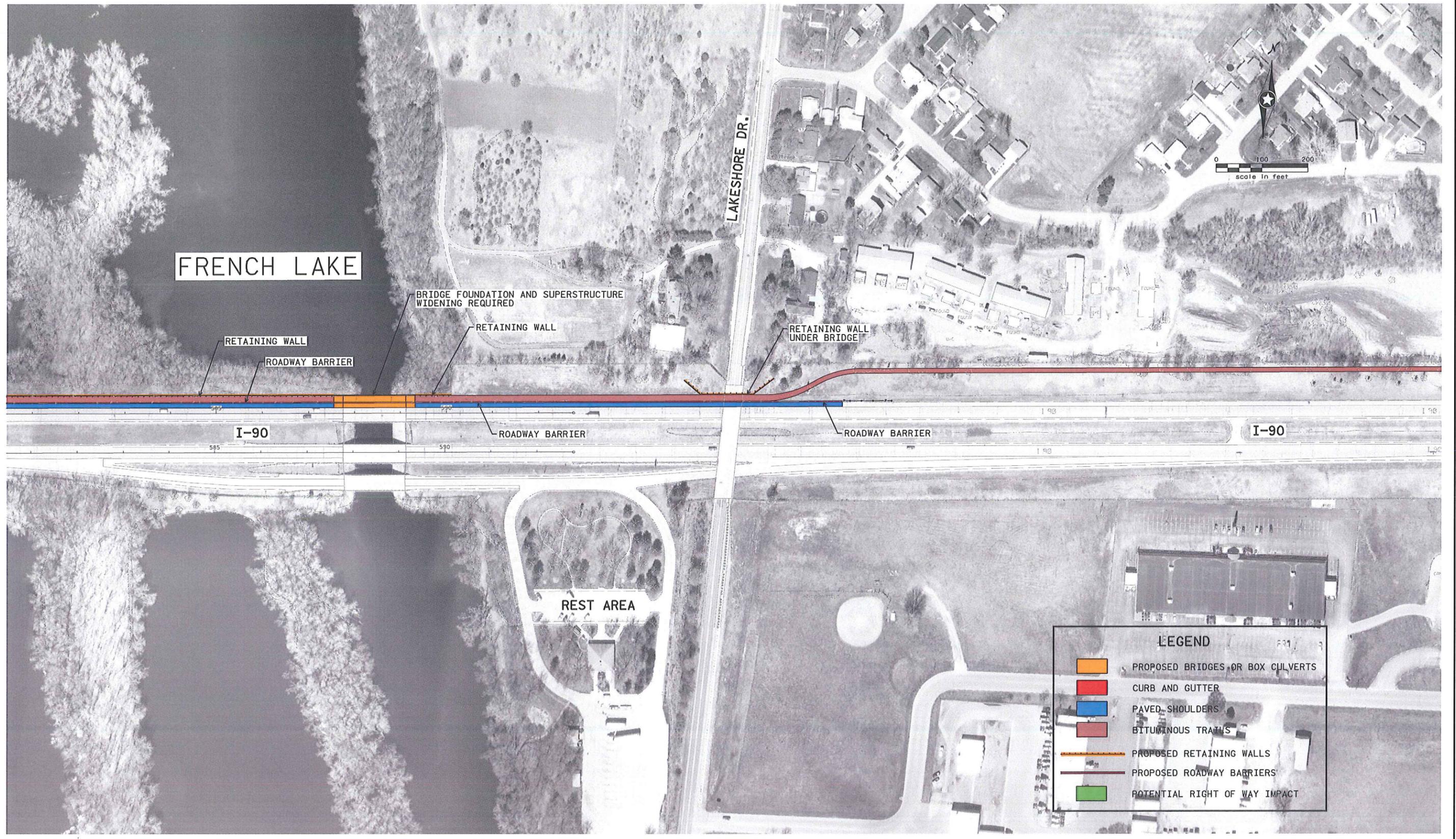
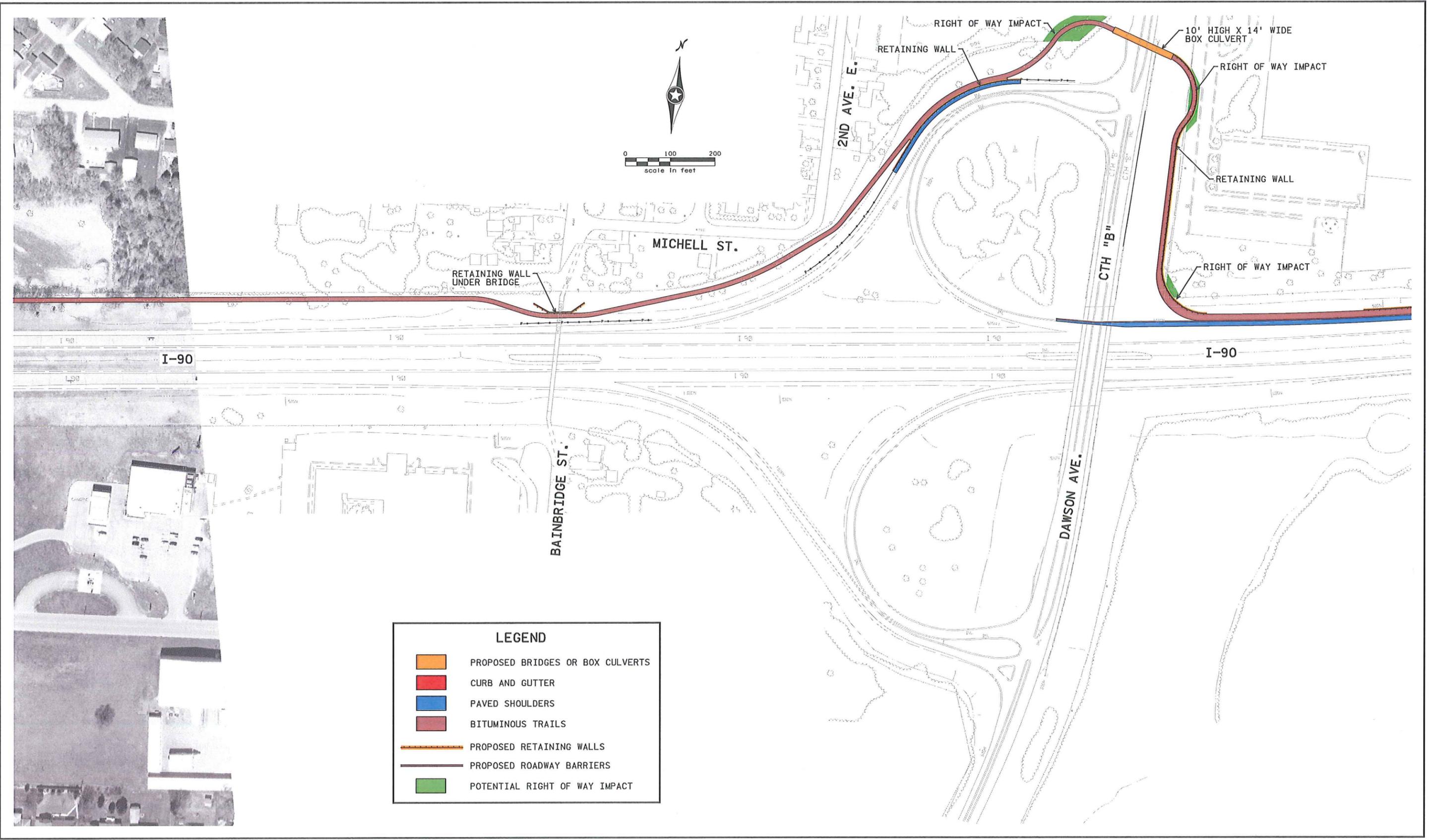


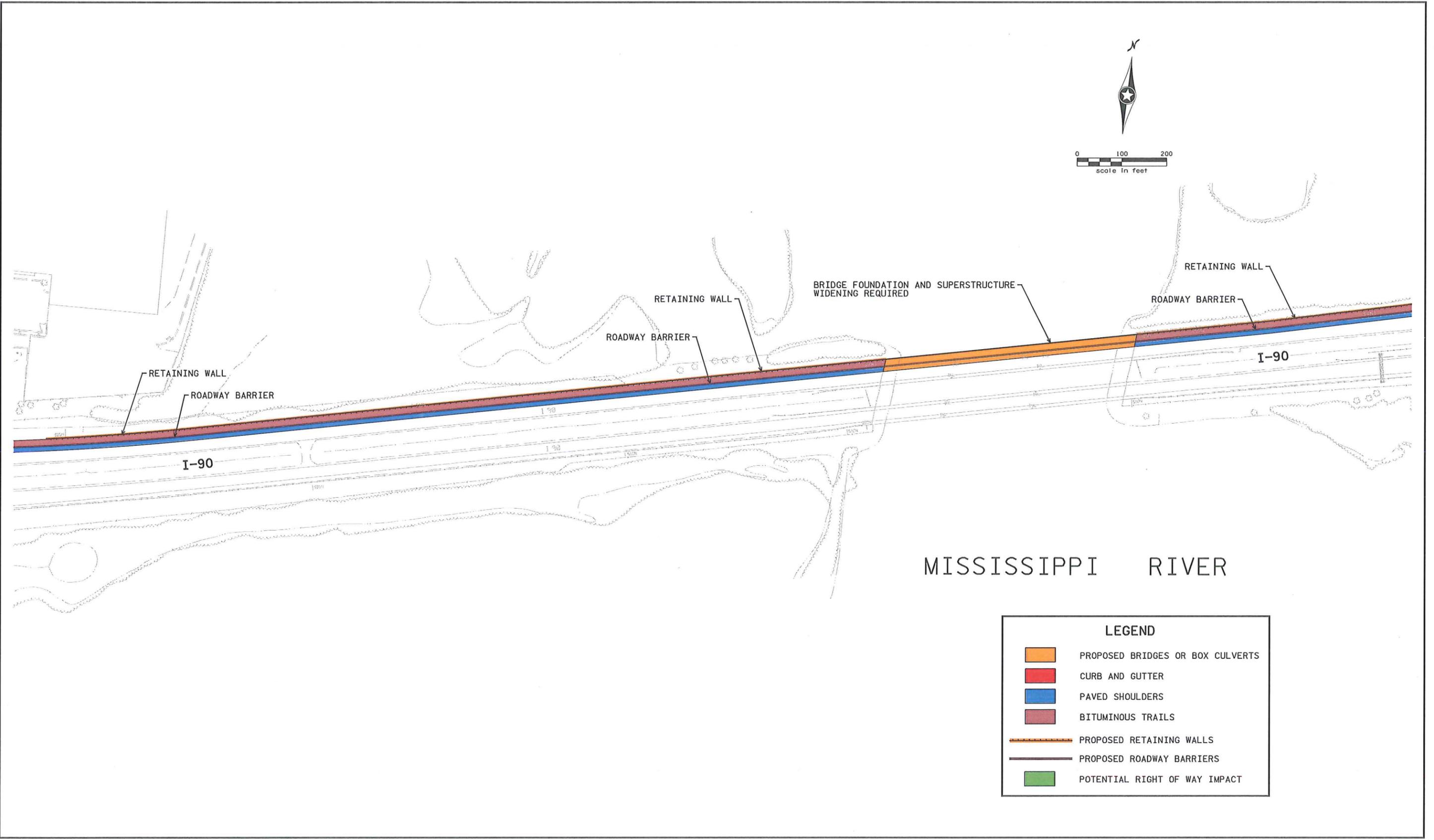
Figure 4

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LEGEND	
	PROPOSED BRIDGES OR BOX CULVERTS
	CURB AND GUTTER
	PAVED SHOULDERS
	BITUMINOUS TRAILS
	PROPOSED RETAINING WALLS
	PROPOSED ROADWAY BARRIERS
	POTENTIAL RIGHT OF WAY IMPACT

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MN/WI BIKE TRAIL CONNECTION - NORTH OPTION

Concept Cost Estimate (based upon 2011 bid price information)

Prepared By: SRF Consulting Group, Inc., 9/2011

ITEM DESCRIPTION	UNIT	UNIT PRICE	MINNESOTA		WISCONSIN (RIVER BRIDGE TO REST AREA)		SCONSIN (REST AREA TO EXIT)		TOTAL			
			EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT		
PAVING AND GRADING COSTS												
1	Excavation - common & subgrade		cu. yd.	\$6.00			4,700	\$28,200	8,200	\$49,200	12,900	\$77,400
2	Granular Borrow - Structural (CV)		cu. yd.	\$16.00	1,300	\$20,800	14,000	\$224,000	11,000	\$176,000	26,300	\$420,800
3	Granular Subgrade (CV)		cu. yd.	\$15.00			3,700	\$55,500	6,500	\$97,500	10,200	\$153,000
4	Mainline Shoulder Pavement	(1)	sq. yd.	\$35.00			2,800	\$98,000	4,900	\$171,500	7,700	\$269,500
5	Bituminous Walk / Trail	(2)	sq. yd.	\$27.00	2,500	\$67,500	7,500	\$202,500	11,000	\$297,000	21,000	\$567,000
6	Concrete Curb and Gutter		lin. ft.	\$15.00	100	\$1,500					100	\$1,500
7	Concrete Median Barrier (Permanent)		lin. ft.	\$65.00	1,500	\$97,500	4,600	\$299,000	4,200	\$273,000	10,300	\$669,500
8	Traffic Barrier		lin. ft.	\$20.00					800	\$16,000	800	\$16,000
SUBTOTAL PAVING AND GRADING COSTS:					\$187,300			\$907,200		\$1,080,200		\$2,174,700
DRAINAGE, UTILITIES AND EROSION CONTROL												
1	Drainage - urban		30%			\$56,000		\$272,000		\$328,000		\$656,000
2	Drainage - rural	(3)	mile	\$100,000					1.00	\$100,000	1	\$100,000
3	Turf Establishment & Erosion Control		10%			\$19,000		\$91,000		\$110,000		\$218,000
4	Landscaping		2%			\$4,000		\$18,000		\$22,000		\$44,000
SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL					\$79,000			\$381,000		\$554,000		\$1,014,000
BRIDGE COSTS												
1	Bridge - Widening of Round Lake Bridge		sq. ft.	\$200			12,000	\$2,400,000			12,000	\$2,400,000
2	Bridge - Widening of French Slough Bridge		sq. ft.	\$200			4,900	\$980,000			4,900	\$980,000
3	Bridge - Widening of Black River Bridge		sq. ft.	\$200					15,300	\$3,060,000	15,300	\$3,060,000
SUBTOTAL BRIDGE COSTS:								\$3,380,000		\$3,060,000		\$6,440,000
RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS												
1	Box Culvert - Under CTH B		sq. ft.	\$200					2,100	\$420,000	2,100	\$420,000
2	CIP Ret. Walls 5' high (50' pile foundation)	(4)	lin. ft.	\$600	1,400	\$840,000	800	\$480,000	600	\$360,000	2,800	\$1,680,000
3	CIP Ret. Walls 10' high (50' pile foundation)	(4)	lin. ft.	\$800			3,800	\$3,040,000	3,000	\$2,400,000	6,800	\$5,440,000
4	CIP Ret. Walls 15' high (50' pile foundation)	(4)	lin. ft.	\$1,200								
5	CIP Ret. Walls 20' high (50' pile foundation)	(4)	lin. ft.	\$1,750								
6	CIP Ret. Walls 25' high (50' pile foundation)	(4)	lin. ft.	\$2,400								
7	CIP Ret. Walls 30' high (50' pile foundation)	(4)	lin. ft.	\$3,000								
8	Ret. Walls Architectural Treatments (normal)		sq. ft.	\$15	7,000	\$105,000	42,000	\$630,000	33,000	\$495,000	82,000	\$1,230,000
SUBTOTAL RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS:					\$945,000			\$4,150,000		\$3,675,000		\$8,770,000
SUBTOTAL CONSTRUCTION COSTS:					\$1,211,300			\$8,818,200		\$8,369,200		\$18,398,700
MISCELLANEOUS COSTS												
1	Mobilization		5%			\$61,000		\$441,000		\$418,000		\$920,000
2	Non Quantified Minor Items		10%			\$121,000		\$882,000		\$837,000		\$1,840,000
3	Traffic Control		5%			\$61,000		\$441,000		\$418,000		\$920,000
SUBTOTAL MISCELLANEOUS COSTS:					\$243,000			\$1,764,000		\$1,673,000		\$3,680,000
ESTIMATED TOTAL CONSTRUCTION COSTS without Contingency:					\$1,454,300			\$10,582,200		\$10,042,200		\$22,078,700
1	Contingency or "risk"		30%			\$436,000		\$3,175,000		\$3,013,000		\$6,624,000
ESTIMATED TOTAL CONSTRUCTION COSTS PLUS CONTINGENCY:					\$1,890,300			\$13,757,200		\$13,055,200		\$28,702,700

- NOTE (1) Includes aggregate base class 5 and PASB or OGAB, as appropriate.
 (2) Includes aggregate base class 5.
 (3) Does not include pavement edge drains, see separate item.
 (4) Assumes 50' Piled Foundations & Mn/DOT Standard Plan Sheet designs; does not include excavation or backfill.

Does NOT include River Bridge Costs