



## MN/WI BIKE TRAIL CONNECTION - SOUTH OPTION

### Concept Cost Estimate (based upon 2011 bid price information)

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

				MINNESOTA		WISCONSIN (RIVER BRIDGE TO REST AREA)		WISCONSIN (REST AREA TO EXIT 3)		TOTAL		
ITEM DESCRIPTION			UNIT	UNIT PRICE	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT
<b>PAVING AND GRADING COSTS</b>												
1	Excavation - common & subgrade		cu. yd.	\$6.00	500	\$3,000	4,700	\$28,200	6,700	\$40,200	11,900	\$71,400
2	Granular Borrow - Structural (CV)		cu. yd.	\$16.00	7,500	\$120,000	9,400	\$150,400	9,400	\$150,400	26,300	\$420,800
3	Granular Subgrade (CV)		cu. yd.	\$14.00	400	\$5,600	3,700	\$51,800	5,300	\$74,200	9,400	\$131,600
4	Mainline Shoulder Pavement	(1)	sq. yd.	\$35.00	300	\$10,500	2,800	\$98,000	4,000	\$140,000	7,100	\$248,500
5	Bituminous Walk / Trail	(2)	sq. yd.	\$27.00	2,500	\$67,500	6,600	\$178,200	12,500	\$337,500	21,600	\$583,200
6	Concrete Curb and Gutter		lin. ft.	\$15.00	100	\$1,500			700	\$10,500	800	\$12,000
7	Concrete Median Barrier (Permanent)		lin. ft.	\$65.00	300	\$19,500	3,500	\$227,500	3,500	\$227,500	7,300	\$474,500
8	Traffic Barrier		lin. ft.	\$20.00					500	\$10,000	500	\$10,000
<b>SUBTOTAL PAVING AND GRADING COSTS:</b>						<b>\$227,600</b>		<b>\$734,100</b>		<b>\$990,300</b>		<b>\$1,952,000</b>
<b>DRAINAGE, UTILITIES AND EROSION CONTROL</b>												
1	Drainage - urban		30%			\$68,000		\$220,000		\$297,000		\$585,000
2	Drainage - rural	(3)	mile	\$100,000					1.00	\$100,000	1	\$100,000
3	Turf Establishment & Erosion Control		10%			\$23,000		\$73,000		\$99,000		\$195,000
4	Landscaping		2%			\$5,000		\$15,000		\$20,000		\$40,000
<b>SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL</b>						<b>\$96,000</b>		<b>\$308,000</b>		<b>\$516,000</b>		<b>\$920,000</b>
<b>BRIDGE COSTS</b>												
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			2,600	\$520,000			2,600	\$520,000
3	Bridge - Widening of Black River Bridge		sq. ft.	\$200					15,500	\$3,100,000	15,500	\$3,100,000
<b>SUBTOTAL BRIDGE COSTS:</b>								<b>\$2,920,000</b>		<b>\$3,100,000</b>		<b>\$6,020,000</b>
<b>RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS</b>												
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	200	\$120,000	1,000	\$600,000	1,000	\$600,000	2,200	\$1,320,000
3	CIP Ret. Walls 10' high (50' pile foundation)	(4)	lin. ft.	\$800	1,200	\$960,000	2,400	\$1,920,000	2,400	\$1,920,000	6,000	\$4,800,000
4	CIP Ret. Walls 15' high (50' pile foundation)	(4)	lin. ft.	\$1,200	400	\$480,000					400	\$480,000
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	19,000	\$285,000	29,000	\$435,000	29,000	\$435,000	77,000	\$1,155,000
<b>SUBTOTAL RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS:</b>						<b>\$1,845,000</b>		<b>\$2,955,000</b>		<b>\$3,375,000</b>		<b>\$8,175,000</b>
<b>SUBTOTAL CONSTRUCTION COSTS:</b>						<b>\$2,168,600</b>		<b>\$6,917,100</b>		<b>\$7,981,300</b>		<b>\$17,067,000</b>
<b>MISCELLANEOUS COSTS</b>												
1	Mobilization		5%			\$108,000		\$346,000		\$399,000		\$853,000
2	Non Quantified Minor Items		10%			\$217,000		\$692,000		\$798,000		\$1,707,000
3	Traffic Control		5%			\$108,000		\$346,000		\$399,000		\$853,000
<b>SUBTOTAL MISCELLANEOUS COSTS:</b>						<b>\$433,000</b>		<b>\$1,384,000</b>		<b>\$1,596,000</b>		<b>\$3,413,000</b>
<b>ESTIMATED TOTAL CONSTRUCTION COSTS without Contingency:</b>						<b>\$2,601,600</b>		<b>\$8,301,100</b>		<b>\$9,577,300</b>		<b>\$20,480,000</b>
1	Contingency or "risk"		30%			\$780,000		\$2,490,000		\$2,873,000		\$6,143,000
<b>ESTIMATED TOTAL CONSTRUCTION COSTS PLUS CONTINGENCY:</b>						<b>\$3,381,600</b>		<b>\$10,791,100</b>		<b>\$12,450,300</b>		<b>\$26,623,000</b>

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.



## MN/WI BIKE TRAIL CONNECTION - NORTH OPTION

### Concept Cost Estimate (based upon 2011 bid price information)

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

				MINNESOTA		WISCONSIN (RIVER BRIDGE TO REST AREA)		WISCONSIN (REST AREA TO EXIT)		TOTAL		
ITEM DESCRIPTION			UNIT	UNIT PRICE	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT
<b>PAVING AND GRADING COSTS</b>												
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
<b>SUBTOTAL PAVING AND GRADING COSTS:</b>						<b>\$187,300</b>		<b>\$907,200</b>		<b>\$1,080,200</b>		<b>\$2,174,700</b>
<b>DRAINAGE, UTILITIES AND EROSION CONTROL</b>												
1	Drainage - urban		30%			\$56,000		\$272,000		\$324,000		\$652,000
2	Drainage - rural	(3)	mile	\$100,000					1.00	\$100,000	1	\$100,000
3	Turf Establishment & Erosion Control		10%			\$19,000		\$91,000		\$108,000		\$218,000
4	Landscaping		2%			\$4,000		\$18,000		\$22,000		\$44,000
<b>SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL</b>						<b>\$79,000</b>		<b>\$381,000</b>		<b>\$554,000</b>		<b>\$1,014,000</b>
<b>BRIDGE COSTS</b>												
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
<b>SUBTOTAL BRIDGE COSTS:</b>								<b>\$3,380,000</b>		<b>\$3,060,000</b>		<b>\$6,440,000</b>
<b>RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS</b>												
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
<b>SUBTOTAL RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS:</b>						<b>\$945,000</b>		<b>\$4,150,000</b>		<b>\$3,675,000</b>		<b>\$8,770,000</b>
<b>SUBTOTAL CONSTRUCTION COSTS:</b>						<b>\$1,211,300</b>		<b>\$8,818,200</b>		<b>\$8,369,200</b>		<b>\$18,398,700</b>
<b>MISCELLANEOUS COSTS</b>												
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
<b>SUBTOTAL MISCELLANEOUS COSTS:</b>						<b>\$243,000</b>		<b>\$1,764,000</b>		<b>\$1,673,000</b>		<b>\$3,680,000</b>
<b>ESTIMATED TOTAL CONSTRUCTION COSTS without Contingency:</b>						<b>\$1,454,300</b>		<b>\$10,582,200</b>		<b>\$10,042,200</b>		<b>\$22,078,700</b>
1	Contingency or "risk"		30%			\$436,000		\$3,175,000		\$3,013,000		\$6,624,000
<b>ESTIMATED TOTAL CONSTRUCTION COSTS PLUS CONTINGENCY:</b>						<b>\$1,890,300</b>		<b>\$13,757,200</b>		<b>\$13,055,200</b>		<b>\$28,702,700</b>

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.



## MN/WI BIKE TRAIL CONNECTION - MIDDLE-SOUTH OPTION

### Concept Cost Estimate (based upon 2011 bid price information)

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

				MINNESOTA		WISCONSIN (RIVER BRIDGE TO REST AREA)		WISCONSIN (REST AREA TO EXIT 3)		TOTAL		
ITEM DESCRIPTION			UNIT	UNIT PRICE	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT
<b>PAVING AND GRADING COSTS</b>												
1	Excavation - common & subgrade		cu. yd.	\$6.00	500	\$3,000	4,700	\$28,200	6,700	\$40,200	11,900	\$71,400
2	Granular Borrow - Structural (CV)		cu. yd.	\$16.00	12,100	\$193,600	9,400	\$150,400	9,400	\$150,400	30,900	\$494,400
3	Granular Subgrade (CV)		cu. yd.	\$14.00	400	\$5,600	3,700	\$51,800	5,300	\$74,200	9,400	\$131,600
4	Mainline Shoulder Pavement	(1)	sq. yd.	\$35.00	300	\$10,500	2,800	\$98,000	4,000	\$140,000	7,100	\$248,500
5	Bituminous Walk / Trail	(2)	sq. yd.	\$27.00	2,500	\$67,500	6,600	\$178,200	12,500	\$337,500	21,600	\$583,200
6	Concrete Curb and Gutter		lin. ft.	\$15.00	100	\$1,500			700	\$10,500	800	\$12,000
7	Concrete Median Barrier (Permanent)		lin. ft.	\$65.00	300	\$19,500	3,500	\$227,500	3,500	\$227,500	7,300	\$474,500
8	Traffic Barrier		lin. ft.	\$20.00					500	\$10,000	500	\$10,000
<b>SUBTOTAL PAVING AND GRADING COSTS:</b>						<b>\$301,200</b>		<b>\$734,100</b>		<b>\$990,300</b>		<b>\$2,025,600</b>
<b>DRAINAGE, UTILITIES AND EROSION CONTROL</b>												
1	Drainage - urban		30%			\$90,000		\$220,000		\$297,000		\$607,000
2	Drainage - rural	(3)	mile	\$100,000					1.00	\$100,000	1	\$100,000
3	Turf Establishment & Erosion Control		10%			\$30,000		\$73,000		\$99,000		\$202,000
4	Landscaping		2%			\$6,000		\$15,000		\$20,000		\$41,000
<b>SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL</b>						<b>\$126,000</b>		<b>\$308,000</b>		<b>\$516,000</b>		<b>\$950,000</b>
<b>BRIDGE COSTS</b>												
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			2,600	\$520,000			2,600	\$520,000
3	Bridge - Widening of Black River Bridge		sq. ft.	\$200					15,500	\$3,100,000	15,500	\$3,100,000
<b>SUBTOTAL BRIDGE COSTS:</b>								<b>\$2,920,000</b>		<b>\$3,100,000</b>		<b>\$6,020,000</b>
<b>RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS</b>												
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	200	\$120,000	1,000	\$600,000	1,000	\$600,000	2,200	\$1,320,000
3	CIP Ret. Walls 10' high (50' pile foundation)	(4)	lin. ft.	\$800	1,200	\$960,000	2,400	\$1,920,000	2,400	\$1,920,000	6,000	\$4,800,000
4	CIP Ret. Walls 15' high (50' pile foundation)	(4)	lin. ft.	\$1,200	500	\$600,000					500	\$600,000
5	CIP Ret. Walls 20' high (50' pile foundation)	(4)	lin. ft.	\$1,750	100	\$175,000					100	\$175,000
6	CIP Ret. Walls 25' high (50' pile foundation)	(4)	lin. ft.	\$2,400	40	\$96,000					40	\$96,000
7	CIP Ret. Walls 30' high (50' pile foundation)	(4)	lin. ft.	\$3,000	40	\$120,000					40	\$120,000
8	Ret. Walls Architectural Treatments (normal)		sq. ft.	\$15	24,700	\$370,500	29,000	\$435,000	29,000	\$435,000	82,700	\$1,240,500
<b>SUBTOTAL RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS:</b>						<b>\$2,441,500</b>		<b>\$2,955,000</b>		<b>\$3,375,000</b>		<b>\$8,771,500</b>
<b>SUBTOTAL CONSTRUCTION COSTS:</b>						<b>\$2,868,700</b>		<b>\$6,917,100</b>		<b>\$7,981,300</b>		<b>\$17,767,100</b>
<b>MISCELLANEOUS COSTS</b>												
1	Mobilization		5%			\$143,000		\$346,000		\$399,000		\$888,000
2	Non Quantified Minor Items		10%			\$287,000		\$692,000		\$798,000		\$1,777,000
3	Traffic Control		5%			\$143,000		\$346,000		\$399,000		\$888,000
<b>SUBTOTAL MISCELLANEOUS COSTS:</b>						<b>\$573,000</b>		<b>\$1,384,000</b>		<b>\$1,596,000</b>		<b>\$3,553,000</b>
<b>ESTIMATED TOTAL CONSTRUCTION COSTS without Contingency:</b>						<b>\$3,441,700</b>		<b>\$8,301,100</b>		<b>\$9,577,300</b>		<b>\$21,320,100</b>
1	Contingency or "risk"		30%			\$1,033,000		\$2,490,000		\$2,873,000		\$6,396,000
<b>ESTIMATED TOTAL CONSTRUCTION COSTS PLUS CONTINGENCY:</b>						<b>\$4,474,700</b>		<b>\$10,791,100</b>		<b>\$12,450,300</b>		<b>\$27,716,100</b>

- 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.



## MN/WI BIKE TRAIL CONNECTION - MIDDLE-NORTH OPTION

### Concept Cost Estimate (based upon 2011 bid price information)

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

				MINNESOTA		WISCONSIN (RIVER BRIDGE TO REST AREA)		WISCONSIN (REST AREA TO EXIT)		TOTAL		
ITEM DESCRIPTION			UNIT	UNIT PRICE	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT
<b>PAVING AND GRADING COSTS</b>												
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	6,500	\$104,000	14,000	\$224,000	11,000	\$176,000	31,500	\$504,000
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	1,900	\$51,300	7,500	\$202,500	11,000	\$297,000	20,400	\$550,800
6	Concrete Curb and Gutter		lin. ft.	\$15.00								
7	Concrete Median Barrier (Permanent)		lin. ft.	\$65.00			4,600	\$299,000	4,200	\$273,000	8,800	\$572,000
8	Traffic Barrier		lin. ft.	\$20.00					800	\$16,000	800	\$16,000
<b>SUBTOTAL PAVING AND GRADING COSTS:</b>						<b>\$155,300</b>		<b>\$907,200</b>		<b>\$1,080,200</b>		<b>\$2,142,700</b>
<b>DRAINAGE, UTILITIES AND EROSION CONTROL</b>												
1	Drainage - urban		30%			\$47,000		\$272,000		\$324,000		\$643,000
2	Drainage - rural	(3)	mile	\$100,000					1.00	\$100,000	1	\$100,000
3	Turf Establishment & Erosion Control		10%			\$16,000		\$91,000		\$108,000		\$215,000
4	Landscaping		2%			\$3,000		\$18,000		\$22,000		\$43,000
<b>SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL</b>						<b>\$66,000</b>		<b>\$381,000</b>		<b>\$554,000</b>		<b>\$1,001,000</b>
<b>BRIDGE COSTS</b>												
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
<b>SUBTOTAL BRIDGE COSTS:</b>								<b>\$3,380,000</b>		<b>\$3,060,000</b>		<b>\$6,440,000</b>
<b>RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS</b>												
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	300	\$240,000	3,800	\$3,040,000	3,000	\$2,400,000	7,100	\$5,680,000
4	CIP Ret. Walls 15' high (50' pile foundation)	(4)	lin. ft.	\$1,200	200	\$240,000					200	\$240,000
5	CIP Ret. Walls 20' high (50' pile foundation)	(4)	lin. ft.	\$1,750	150	\$262,500					150	\$262,500
6	CIP Ret. Walls 25' high (50' pile foundation)	(4)	lin. ft.	\$2,400	40	\$96,000					40	\$96,000
7	CIP Ret. Walls 30' high (50' pile foundation)	(4)	lin. ft.	\$3,000	40	\$120,000					40	\$120,000
8	Ret. Walls Architectural Treatments (normal)		sq. ft.	\$15	18,200	\$273,000	42,000	\$630,000	33,000	\$495,000	93,200	\$1,398,000
<b>SUBTOTAL RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS:</b>						<b>\$2,071,500</b>		<b>\$4,150,000</b>		<b>\$3,675,000</b>		<b>\$9,896,500</b>
<b>SUBTOTAL CONSTRUCTION COSTS:</b>						<b>\$2,292,800</b>		<b>\$8,818,200</b>		<b>\$8,369,200</b>		<b>\$19,480,200</b>
<b>MISCELLANEOUS COSTS</b>												
1	Mobilization		5%			\$115,000		\$441,000		\$418,000		\$974,000
2	Non Quantified Minor Items		10%			\$229,000		\$882,000		\$837,000		\$1,948,000
3	Traffic Control		5%			\$115,000		\$441,000		\$418,000		\$974,000
<b>SUBTOTAL MISCELLANEOUS COSTS:</b>						<b>\$459,000</b>		<b>\$1,764,000</b>		<b>\$1,673,000</b>		<b>\$3,896,000</b>
<b>ESTIMATED TOTAL CONSTRUCTION COSTS without Contingency:</b>						<b>\$2,751,800</b>		<b>\$10,582,200</b>		<b>\$10,042,200</b>		<b>\$23,376,200</b>
1	Contingency or "risk"		30%			\$826,000		\$3,175,000		\$3,013,000		\$7,014,000
<b>ESTIMATED TOTAL CONSTRUCTION COSTS PLUS CONTINGENCY:</b>						<b>\$3,577,800</b>		<b>\$13,757,200</b>		<b>\$13,055,200</b>		<b>\$30,390,200</b>

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.



## MN/WI BIKE TRAIL CONNECTION - SOUTH OPTION - REDUCED WALLS

### Concept Cost Estimate (based upon 2011 bid price information)

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

				MINNESOTA		WISCONSIN (RIVER BRIDGE TO REST AREA)		WISCONSIN (REST AREA TO EXIT 3)		TOTAL		
ITEM DESCRIPTION			UNIT	UNIT PRICE	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT
<b>PAVING AND GRADING COSTS</b>												
1	Excavation - common & subgrade		cu. yd.	\$6.00	500	\$3,000	4,700	\$28,200	6,700	\$40,200	11,900	\$71,400
2	Granular Borrow - Structural (CV)		cu. yd.	\$16.00	7,500	\$120,000	17,800	\$284,800	17,800	\$284,800	43,100	\$689,600
3	Granular Subgrade (CV)		cu. yd.	\$14.00	400	\$5,600	3,700	\$51,800	5,300	\$74,200	9,400	\$131,600
4	Mainline Shoulder Pavement	(1)	sq. yd.	\$35.00	300	\$10,500	2,800	\$98,000	4,000	\$140,000	7,100	\$248,500
5	Bituminous Walk / Trail	(2)	sq. yd.	\$27.00	2,500	\$67,500	6,600	\$178,200	12,500	\$337,500	21,600	\$583,200
6	Concrete Curb and Gutter		lin. ft.	\$15.00	100	\$1,500			700	\$10,500	800	\$12,000
7	Concrete Median Barrier (Permanent)		lin. ft.	\$65.00	300	\$19,500	3,500	\$227,500	3,500	\$227,500	7,300	\$474,500
8	Traffic Barrier		lin. ft.	\$20.00					500	\$10,000	500	\$10,000
<b>SUBTOTAL PAVING AND GRADING COSTS:</b>						<b>\$227,600</b>		<b>\$868,500</b>		<b>\$1,124,700</b>		<b>\$2,220,800</b>
<b>DRAINAGE, UTILITIES AND EROSION CONTROL</b>												
1	Drainage - urban		30%			\$68,000		\$261,000		\$337,000		\$666,000
2	Drainage - rural	(3)	mile	\$100,000					1.00	\$100,000	1	\$100,000
3	Turf Establishment & Erosion Control		10%			\$23,000		\$87,000		\$112,000		\$222,000
4	Landscaping		2%			\$5,000		\$17,000		\$22,000		\$44,000
<b>SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL</b>						<b>\$96,000</b>		<b>\$365,000</b>		<b>\$571,000</b>		<b>\$1,032,000</b>
<b>BRIDGE COSTS</b>												
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			2,600	\$520,000			2,600	\$520,000
3	Bridge - Widening of Black River Bridge		sq. ft.	\$200					15,500	\$3,100,000	15,500	\$3,100,000
<b>SUBTOTAL BRIDGE COSTS:</b>								<b>\$2,920,000</b>		<b>\$3,100,000</b>		<b>\$6,020,000</b>
<b>RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS</b>												
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	200	\$120,000	250	\$150,000	250	\$150,000	700	\$420,000
3	CIP Ret. Walls 10' high (50' pile foundation)	(4)	lin. ft.	\$800	1,200	\$960,000	550	\$440,000	550	\$440,000	2,300	\$1,840,000
4	CIP Ret. Walls 15' high (50' pile foundation)	(4)	lin. ft.	\$1,200	400	\$480,000					400	\$480,000
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	19,000	\$285,000	6,750	\$101,250	6,750	\$101,250	32,500	\$487,500
<b>SUBTOTAL RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS:</b>						<b>\$1,845,000</b>		<b>\$691,250</b>		<b>\$1,111,250</b>		<b>\$3,647,500</b>
<b>SUBTOTAL CONSTRUCTION COSTS:</b>						<b>\$2,168,600</b>		<b>\$4,844,750</b>		<b>\$5,906,950</b>		<b>\$12,920,300</b>
<b>MISCELLANEOUS COSTS</b>												
1	Mobilization		5%			\$108,000		\$242,000		\$295,000		\$645,000
2	Non Quantified Minor Items		10%			\$217,000		\$484,000		\$591,000		\$1,292,000
3	Traffic Control		5%			\$108,000		\$242,000		\$295,000		\$645,000
<b>SUBTOTAL MISCELLANEOUS COSTS:</b>						<b>\$433,000</b>		<b>\$968,000</b>		<b>\$1,181,000</b>		<b>\$2,582,000</b>
<b>ESTIMATED TOTAL CONSTRUCTION COSTS without Contingency:</b>						<b>\$2,601,600</b>		<b>\$5,812,750</b>		<b>\$7,087,950</b>		<b>\$15,502,300</b>
1	Contingency or "risk"		30%			\$780,000		\$1,744,000		\$2,126,000		\$4,650,000
<b>ESTIMATED TOTAL CONSTRUCTION COSTS PLUS CONTINGENCY:</b>						<b>\$3,381,600</b>		<b>\$7,556,750</b>		<b>\$9,213,950</b>		<b>\$20,152,300</b>

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.



## MN/WI BIKE TRAIL CONNECTION - NORTH OPTION - REDUCED WALLS

### Concept Cost Estimate (based upon 2011 bid price information)

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

				MINNESOTA		WISCONSIN (RIVER BRIDGE TO REST AREA)		WISCONSIN (REST AREA TO EXIT 3)		TOTAL		
ITEM DESCRIPTION			UNIT	UNIT PRICE	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT
<b>PAVING AND GRADING COSTS</b>												
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	26.000	\$416,000	19.500	\$312,000	46.800	\$748,800
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
<b>SUBTOTAL PAVING AND GRADING COSTS:</b>						<b>\$187,300</b>		<b>\$1,099,200</b>		<b>\$1,216,200</b>		<b>\$2,502,700</b>
<b>DRAINAGE, UTILITIES AND EROSION CONTROL</b>												
1	Drainage - urban		30%			\$56,000		\$330,000		\$365,000		\$751,000
2	Drainage - rural	(3)	mile	\$100,000					1.00	\$100,000	1	\$100,000
3	Turf Establishment & Erosion Control		10%			\$19,000		\$110,000		\$122,000		\$251,000
4	Landscaping		2%			\$4,000		\$22,000		\$24,000		\$50,000
<b>SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL</b>						<b>\$79,000</b>		<b>\$462,000</b>		<b>\$611,000</b>		<b>\$1,152,000</b>
<b>BRIDGE COSTS</b>												
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
<b>SUBTOTAL BRIDGE COSTS:</b>								<b>\$3,380,000</b>		<b>\$3,060,000</b>		<b>\$6,440,000</b>
<b>RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS</b>												
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	100	\$60,000	100	\$60,000	1,600	\$960,000
3	CIP Ret. Walls 10' high (50' pile foundation)	(4)	lin. ft.	\$800			400	\$320,000	600	\$480,000	1,000	\$800,000
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	4,500	\$67,500	6,500	\$97,500	18,000	\$270,000
<b>SUBTOTAL RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS:</b>						<b>\$945,000</b>		<b>\$447,500</b>		<b>\$1,057,500</b>		<b>\$2,450,000</b>
<b>SUBTOTAL CONSTRUCTION COSTS:</b>						<b>\$1,211,300</b>		<b>\$5,388,700</b>		<b>\$5,944,700</b>		<b>\$12,544,700</b>
<b>MISCELLANEOUS COSTS</b>												
1	Mobilization		5%			\$61,000		\$269,000		\$297,000		\$627,000
2	Non Quantified Minor Items		10%			\$121,000		\$539,000		\$594,000		\$1,254,000
3	Traffic Control		5%			\$61,000		\$269,000		\$297,000		\$627,000
<b>SUBTOTAL MISCELLANEOUS COSTS:</b>						<b>\$243,000</b>		<b>\$1,077,000</b>		<b>\$1,188,000</b>		<b>\$2,508,000</b>
<b>ESTIMATED TOTAL CONSTRUCTION COSTS without Contingency:</b>						<b>\$1,454,300</b>		<b>\$6,465,700</b>		<b>\$7,132,700</b>		<b>\$15,052,700</b>
1	Contingency or "risk"		30%			\$436,000		\$1,940,000		\$2,140,000		\$4,516,000
<b>ESTIMATED TOTAL CONSTRUCTION COSTS PLUS CONTINGENCY:</b>						<b>\$1,890,300</b>		<b>\$8,405,700</b>		<b>\$9,272,700</b>		<b>\$19,568,700</b>

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.



## MN/WI BIKE TRAIL CONNECTION - MIDDLE-SOUTH OPTION - REDUCED WALLS

### Concept Cost Estimate (based upon 2011 bid price information)

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

				MINNESOTA		WISCONSIN (RIVER BRIDGE TO REST AREA)		WISCONSIN (REST AREA TO EXIT 3)		TOTAL		
ITEM DESCRIPTION			UNIT	UNIT PRICE	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT
<b>PAVING AND GRADING COSTS</b>												
1	Excavation - common & subgrade		cu. yd.	\$6.00	500	\$3,000	4,700	\$28,200	6,700	\$40,200	11,900	\$71,400
2	Granular Borrow - Structural (CV)		cu. yd.	\$16.00	12,100	\$193,600	17,800	\$284,800	17,800	\$284,800	47,700	\$763,200
3	Granular Subgrade (CV)		cu. yd.	\$14.00	400	\$5,600	3,700	\$51,800	5,300	\$74,200	9,400	\$131,600
4	Mainline Shoulder Pavement	(1)	sq. yd.	\$35.00	300	\$10,500	2,800	\$98,000	4,000	\$140,000	7,100	\$248,500
5	Bituminous Walk / Trail	(2)	sq. yd.	\$27.00	2,500	\$67,500	6,600	\$178,200	12,500	\$337,500	21,600	\$583,200
6	Concrete Curb and Gutter		lin. ft.	\$15.00	100	\$1,500			700	\$10,500	800	\$12,000
7	Concrete Median Barrier (Permanent)		lin. ft.	\$65.00	300	\$19,500	3,500	\$227,500	3,500	\$227,500	7,300	\$474,500
8	Traffic Barrier		lin. ft.	\$20.00					500	\$10,000	500	\$10,000
<b>SUBTOTAL PAVING AND GRADING COSTS:</b>						<b>\$301,200</b>		<b>\$868,500</b>		<b>\$1,124,700</b>		<b>\$2,294,400</b>
<b>DRAINAGE, UTILITIES AND EROSION CONTROL</b>												
1	Drainage - urban		30%			\$90,000		\$261,000		\$337,000		\$688,000
2	Drainage - rural	(3)	mile	\$100,000					1.00	\$100,000	1	\$100,000
3	Turf Establishment & Erosion Control		10%			\$30,000		\$87,000		\$112,000		\$229,000
4	Landscaping		2%			\$6,000		\$17,000		\$22,000		\$45,000
<b>SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL</b>						<b>\$126,000</b>		<b>\$365,000</b>		<b>\$571,000</b>		<b>\$1,062,000</b>
<b>BRIDGE COSTS</b>												
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			2,600	\$520,000			2,600	\$520,000
3	Bridge - Widening of Black River Bridge		sq. ft.	\$200					15,500	\$3,100,000	15,500	\$3,100,000
<b>SUBTOTAL BRIDGE COSTS:</b>								<b>\$2,920,000</b>		<b>\$3,100,000</b>		<b>\$6,020,000</b>
<b>RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS</b>												
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	200	\$120,000	250	\$150,000	250	\$150,000	700	\$420,000
3	CIP Ret. Walls 10' high (50' pile foundation)	(4)	lin. ft.	\$800	1,200	\$960,000	550	\$440,000	550	\$440,000	2,300	\$1,840,000
4	CIP Ret. Walls 15' high (50' pile foundation)	(4)	lin. ft.	\$1,200	500	\$600,000					500	\$600,000
5	CIP Ret. Walls 20' high (50' pile foundation)	(4)	lin. ft.	\$1,750	100	\$175,000					100	\$175,000
6	CIP Ret. Walls 25' high (50' pile foundation)	(4)	lin. ft.	\$2,400	40	\$96,000					40	\$96,000
7	CIP Ret. Walls 30' high (50' pile foundation)	(4)	lin. ft.	\$3,000	40	\$120,000					40	\$120,000
8	Ret. Walls Architectural Treatments (normal)		sq. ft.	\$15	24,700	\$370,500	6,750	\$101,250	6,750	\$101,250	38,200	\$573,000
<b>SUBTOTAL RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS:</b>						<b>\$2,441,500</b>		<b>\$691,250</b>		<b>\$1,111,250</b>		<b>\$4,244,000</b>
<b>SUBTOTAL CONSTRUCTION COSTS:</b>						<b>\$2,868,700</b>		<b>\$4,844,750</b>		<b>\$5,906,950</b>		<b>\$13,620,400</b>
<b>MISCELLANEOUS COSTS</b>												
1	Mobilization		5%			\$143,000		\$242,000		\$295,000		\$680,000
2	Non Quantified Minor Items		10%			\$287,000		\$484,000		\$591,000		\$1,362,000
3	Traffic Control		5%			\$143,000		\$242,000		\$295,000		\$680,000
<b>SUBTOTAL MISCELLANEOUS COSTS:</b>						<b>\$573,000</b>		<b>\$968,000</b>		<b>\$1,181,000</b>		<b>\$2,722,000</b>
<b>ESTIMATED TOTAL CONSTRUCTION COSTS without Contingency:</b>						<b>\$3,441,700</b>		<b>\$5,812,750</b>		<b>\$7,087,950</b>		<b>\$16,342,400</b>
1	Contingency or "risk"		30%			\$1,033,000		\$1,744,000		\$2,126,000		\$4,903,000
<b>ESTIMATED TOTAL CONSTRUCTION COSTS PLUS CONTINGENCY:</b>						<b>\$4,474,700</b>		<b>\$7,556,750</b>		<b>\$9,213,950</b>		<b>\$21,245,400</b>

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.



## MN/WI BIKE TRAIL CONNECTION - MIDDLE-NORTH OPTION - REDUCED WALLS

### Concept Cost Estimate (based upon 2011 bid price information)

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

				MINNESOTA		WISCONSIN (RIVER BRIDGE TO REST AREA)		WISCONSIN (REST AREA TO EXIT 3)		TOTAL		
ITEM DESCRIPTION			UNIT	UNIT PRICE	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT
<b>PAVING AND GRADING COSTS</b>												
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	6,500	\$104,000	26,000	\$416,000	19,500	\$312,000	52,000	\$832,000
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	1,900	\$51,300	7,500	\$202,500	11,000	\$297,000	20,400	\$550,800
6	Concrete Curb and Gutter		lin. ft.	\$15.00								
7	Concrete Median Barrier (Permanent)		lin. ft.	\$65.00			4,600	\$299,000	4,200	\$273,000	8,800	\$572,000
8	Traffic Barrier		lin. ft.	\$20.00					800	\$16,000	800	\$16,000
<b>SUBTOTAL PAVING AND GRADING COSTS:</b>						<b>\$155,300</b>		<b>\$1,099,200</b>		<b>\$1,216,200</b>		<b>\$2,470,700</b>
<b>DRAINAGE, UTILITIES AND EROSION CONTROL</b>												
1	Drainage - urban		30%			\$47,000		\$330,000		\$365,000		\$742,000
2	Drainage - rural	(3)	mile	\$100,000					1.00	\$100,000	1	\$100,000
3	Turf Establishment & Erosion Control		10%			\$16,000		\$110,000		\$122,000		\$248,000
4	Landscaping		2%			\$3,000		\$22,000		\$24,000		\$49,000
<b>SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL</b>						<b>\$66,000</b>		<b>\$462,000</b>		<b>\$611,000</b>		<b>\$1,139,000</b>
<b>BRIDGE COSTS</b>												
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
<b>SUBTOTAL BRIDGE COSTS:</b>								<b>\$3,380,000</b>		<b>\$3,060,000</b>		<b>\$6,440,000</b>
<b>RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS</b>												
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	100	\$60,000	100	\$60,000	1,600	\$960,000
3	CIP Ret. Walls 10' high (50' pile foundation)	(4)	lin. ft.	\$800	300	\$240,000	400	\$320,000	600	\$480,000	1,300	\$1,040,000
4	CIP Ret. Walls 15' high (50' pile foundation)	(4)	lin. ft.	\$1,200	200	\$240,000					200	\$240,000
5	CIP Ret. Walls 20' high (50' pile foundation)	(4)	lin. ft.	\$1,750	150	\$262,500					150	\$262,500
6	CIP Ret. Walls 25' high (50' pile foundation)	(4)	lin. ft.	\$2,400	40	\$96,000					40	\$96,000
7	CIP Ret. Walls 30' high (50' pile foundation)	(4)	lin. ft.	\$3,000	40	\$120,000					40	\$120,000
8	Ret. Walls Architectural Treatments (normal)		sq. ft.	\$15	18,200	\$273,000	4,500	\$67,500	6,500	\$97,500	29,200	\$438,000
<b>SUBTOTAL RETAINING WALLS &amp; OTHER MINOR STRUCTURAL COSTS:</b>						<b>\$2,071,500</b>		<b>\$447,500</b>		<b>\$1,057,500</b>		<b>\$3,576,500</b>
<b>SUBTOTAL CONSTRUCTION COSTS:</b>						<b>\$2,292,800</b>		<b>\$5,388,700</b>		<b>\$5,944,700</b>		<b>\$13,626,200</b>
<b>MISCELLANEOUS COSTS</b>												
1	Mobilization		5%			\$115,000		\$269,000		\$297,000		\$681,000
2	Non Quantified Minor Items		10%			\$229,000		\$539,000		\$594,000		\$1,362,000
3	Traffic Control		5%			\$115,000		\$269,000		\$297,000		\$681,000
<b>SUBTOTAL MISCELLANEOUS COSTS:</b>						<b>\$459,000</b>		<b>\$1,077,000</b>		<b>\$1,188,000</b>		<b>\$2,724,000</b>
<b>ESTIMATED TOTAL CONSTRUCTION COSTS without Contingency:</b>						<b>\$2,751,800</b>		<b>\$6,465,700</b>		<b>\$7,132,700</b>		<b>\$16,350,200</b>
1	Contingency or "risk"		30%			\$826,000		\$1,940,000		\$2,140,000		\$4,906,000
<b>ESTIMATED TOTAL CONSTRUCTION COSTS PLUS CONTINGENCY:</b>						<b>\$3,577,800</b>		<b>\$8,405,700</b>		<b>\$9,272,700</b>		<b>\$21,256,200</b>

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.