

**City of Saugatuck & Friends of the Blue Star Trail**  
**Blue Star Trail Feasibility Study**  
**Engineer's Pre-Design Estimate of Probable Project Cost**



Project: 837010  
 Date: 5/28/2019  
 By: LMS/JWM

**Part 1 - Existing Trail to Kalamazoo River Bridge, Option 2F - Trail within Existing Pavement Width with Buffer**

ITEM NO.	DESCRIPTION	UNIT	TOTAL EST. QUANTITY	EST. UNIT PRICE	EST. TOTAL
1	Mobilization (10%)	LS	1	\$ 2,100.00	\$ 2,100.00
2	Soil Erosion & Sedimentation Control	LS	1	\$ 500.00	\$ 500.00
3	Temporary Traffic Control	LS	1	\$ 1,000.00	\$ 1,000.00
4	Curb and Gutter, Rem	FT	50	\$ 10.00	\$ 500.00
5	Pavt, Rem	SYD	180	\$ 10.00	\$ 1,800.00
6	Aggregate Base, 8 inch	SYD	165	\$ 10.00	\$ 1,650.00
7	Concrete Curb	FT	300	\$ 20.00	\$ 6,000.00
8	Hand Patching	TON	50	\$ 150.00	\$ 7,500.00
9	Pavement Markings	LS	1	\$ 2,000.00	\$ 2,000.00
10	Permanent Signage	LS	1	\$ 500.00	\$ 500.00

Subtotal Estimated Construction Cost: \$ 23,600.00  
 Undeveloped Details & Construction Contingencies (25%): \$ 5,900.00  
Estimated Design & Construction Engineering & Admin (20% of Const + Contingencies): \$ 5,900.00  
**Total Estimated Project Cost (Rounded): \$ 35,400.00**

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**Part 2 - Bridge over the Kalamazoo River, Option 2F- Trail within Existing Deck Width with Buffer**

ITEM NO.	DESCRIPTION	UNIT	TOTAL EST. QUANTITY	EST. UNIT PRICE	EST. TOTAL
1	Mobilization (10%)	LS	1	\$ 700.00	\$ 700.00
2	Soil Erosion & Sedimentation Control	LS	1	\$ 100.00	\$ 100.00
3	Temporary Traffic Control	LS	1	\$ 1,000.00	\$ 1,000.00
4	Pavement Markings	LS	1	\$ 5,000.00	\$ 5,000.00
5	Permanent Signage	LS	1	\$ 500.00	\$ 500.00

Subtotal Estimated Construction Cost: \$ 7,300.00  
 Undeveloped Details & Construction Contingencies (25%): \$ 1,800.00  
Estimated Design & Construction Engineering & Admin (20% of Const + Contingencies): \$ 1,800.00  
**Total Estimated Project Cost (Rounded): \$ 10,900.00**

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**Part 3 - Kalamazoo River Bridge to Lake Street, Option 2F - Trail within Existing Pavement Width with Buffer or Curb**

ITEM NO.	DESCRIPTION	UNIT	TOTAL EST. QUANTITY	EST. UNIT PRICE	EST. TOTAL
1	Mobilization (10%)	LS	1	\$ 3,200.00	\$ 3,200.00
2	Soil Erosion & Sedimentation Control	LS	1	\$ 2,500.00	\$ 2,500.00
3	Temporary Traffic Control	LS	1	\$ 2,500.00	\$ 2,500.00
4	Pavt, Rem	SYD	250	\$ 10.00	\$ 2,500.00
5	Hand Patching	TON	80	\$ 150.00	\$ 12,000.00
6	Concrete Curb	FT	460	\$ 20.00	\$ 9,200.00
7	Pavement Markings	LS	1	\$ 3,000.00	\$ 3,000.00
8	Permanent Signage	LS	1	\$ 500.00	\$ 500.00

Subtotal Estimated Construction Cost: \$ 35,400.00  
 Undeveloped Details & Construction Contingencies (25%): \$ 8,900.00  
Estimated Design & Construction Engineering & Admin (20% of Const + Contingencies): \$ 8,900.00  
**Total Estimated Project Cost (Rounded): \$ 53,200.00**

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**Part 4 - Blue Star Highway & Lake Street Intersection, Option 2F - Signalized, Trail within Existing Pavement Width on South Side,  
Widened/Shared Sidewalk in front of Saugatuck Sign**

ITEM NO.	DESCRIPTION	UNIT	TOTAL EST. QUANTITY	EST. UNIT PRICE	EST. TOTAL
1	Mobilization (10%)	LS	1	\$ 22,900.00	\$ 22,900.00
2	Soil Erosion & Sedimentation Control	LS	1	\$ 1,000.00	\$ 1,000.00
3	Temporary Traffic Control	LS	1	\$ 2,500.00	\$ 2,500.00
4	Curb and Gutter, Rem	FT	200	\$ 10.00	\$ 2,000.00
5	Sidewalk, Rem	SYD	10	\$ 10.00	\$ 100.00
6	Sidewalk Grading	STA	0.5	\$ 1,000.00	\$ 500.00
7	Pavt, Rem	SYD	100	\$ 10.00	\$ 1,000.00
8	Subbase, CIP	CYD	40	\$ 12.00	\$ 480.00
9	Sidewalk, Conc, 4 inch	SFT	200	\$ 4.00	\$ 800.00
10	Sidewalk Ramp, Conc, 6 inch	SFT	700	\$ 10.00	\$ 7,000.00
11	Curb and Gutter, Conc, Det F4	FT	200	\$ 18.00	\$ 3,600.00
12	Curb Ramp Opening, Conc	FT	30	\$ 30.00	\$ 900.00
13	Traffic Signal	LS	1	\$ 200,000.00	\$ 200,000.00
14	Pavement Markings	LS	1	\$ 2,000.00	\$ 2,000.00
15	Permanent Signage	LS	1	\$ 1,000.00	\$ 1,000.00
16	Landscaping	LS	1	\$ 2,000.00	\$ 2,000.00
17	Drainage Modifications	LS	1	\$ 2,000.00	\$ 2,000.00
18	Slope Restoration	SYD	500	\$ 5.00	\$ 2,500.00

Subtotal Estimated Construction Cost: \$ 252,300.00  
 Undeveloped Details & Construction Contingencies (25%): \$ 63,100.00  
Estimated Design & Construction Engineering & Admin (20% of Const + Contingencies): \$ 63,100.00  
**Total Estimated Project Cost (Rounded): \$ 378,500.00**

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**Part 5 - Lake Street to Maple Road, Option 2F - Trail in Widened Pavement Width with Buffer**

ITEM NO.	DESCRIPTION	UNIT	TOTAL EST. QUANTITY	EST. UNIT PRICE	EST. TOTAL
1	Mobilization (10%)	LS	1	\$ 2,900.00	\$ 2,900.00
2	Soil Erosion & Sedimentation Control	LS	1	\$ 500.00	\$ 500.00
3	Temporary Traffic Control	LS	1	\$ 1,000.00	\$ 1,000.00
4	Excavation, Earth	Cyd	350	\$ 10.00	\$ 3,500.00
5	HMA, 13A	TON	120	\$ 60.00	\$ 7,200.00
6	Aggregate Base, 8 inch	SYD	550	\$ 10.00	\$ 5,500.00
7	Subbase, CIP	CYD	180	\$ 12.00	\$ 2,160.00
8	Hand Patching	TON	10	\$ 150.00	\$ 1,500.00
9	Sidewalk Grading	STA	1	\$ 1,000.00	\$ 1,000.00
10	Drainage Modifications	LS	1	\$ 2,000.00	\$ 2,000.00
11	Pavement Markings	LS	1	\$ 4,000.00	\$ 4,000.00
12	Permanent Signage	LS	1	\$ 1,000.00	\$ 1,000.00

Subtotal Estimated Construction Cost: \$ 32,300.00  
 Undeveloped Details & Construction Contingencies (25%): \$ 8,100.00  
Estimated Design & Construction Engineering & Admin (20% of Const + Contingencies): \$ 8,100.00  
**Total Estimated Project Cost (Rounded): \$ 48,500.00**

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