

Village of Ephraim
Roadway Reconstruction
Door County
30% Conceptual Engineer's Estimate 2017-04-18

Unit	Item Description	South Quantity	North Quantity	Total Quantity	Unit Price	Subtotal
SY	Removing Pavement	17900	3650	21550	\$10.00	\$215,500.00
LF	Removing Curb and Gutter	870	0	870	\$8.00	\$6,960.00
CY	Excavation Common	1404	115	1519	\$20.00	\$30,380.00
CY	Excavation Rock	145	15	160	\$35.00	\$5,600.00
CY	Roadway Embankment	356	105	461	\$10.00	\$4,610.00
TON	Base Aggregate Dense 1 1/4-Inch	9735	1755	11490	\$13.00	\$149,370.00
TON	HMA Pavement	4105	630	4735	\$80.00	\$378,800.00
GAL	Tack Coat	1425	220	1645	\$5.00	\$8,225.00
LF	Concrete Curb & Gutter 18-Inch Type D	4405	1730	6135	\$18.00	\$110,430.00
SF	Concrete Sidewalk 4-Inch	24390	9870	34260	\$4.50	\$154,170.00
CY	Storm Sewer Rock Excavation	1065	60	1125	\$80.00	\$90,000.00
LF	Sawing Asphalt	4295	1690	5985	\$1.00	\$5,985.00
LF	Pavement Marking Epoxy 4-inch	16600	6300	22900	\$1.25	\$28,625.00
LF	Pavement Marking Epoxy Stop line 18-inch	50	40	90	\$12.50	\$1,125.00
LF	Pavement Marking Crosswalk Epoxy 12-Inch	455	160	615	\$11.00	\$6,765.00
SF	Detectable Warning Fields Yellow	90	40	130	\$35.00	\$4,550.00
EA	Removing Inlets	2	4	6	\$350.00	\$2,100.00
LF	Storm Sewer Pipe 12"	150	0	150	\$50.00	\$7,500.00
LF	Storm Sewer Pipe 15"	235	0	235	\$60.00	\$14,100.00
LF	Storm Sewer Pipe 24"	745	190	935	\$90.00	\$84,150.00
LF	Storm Sewer Pipe 30"	35	0	35	\$110.00	\$3,850.00
LF	Sanitary Sewer Pipe	630	0	630	\$80.00	\$50,400.00
EA	Apron Endwalls 24"	2	0	2	\$375.00	\$750.00
EA	Adjusting Inlets	21	0	21	\$400.00	\$8,400.00
EA	Adjusting Manholes	17	4	21	\$450.00	\$9,450.00
EA	Inlets	29	9	38	\$1,500.00	\$57,000.00
EA	Inlet Covers	29	9	38	\$600.00	\$22,800.00
EA	Manhole	19	1	20	\$2,400.00	\$48,000.00
EA	Manhole Covers	19	1	20	\$385.00	\$7,700.00
LS	Erosion Control 5%	0.5	0.5	1	\$76,000.00	\$76,000.00
LS	Traffic Control 5%	0.5	0.5	1	\$76,000.00	\$76,000.00
LS	Restoration 5%	0.5	0.5	1	\$76,000.00	\$76,000.00
Subtotal						\$1,745,295.00
30% Miscellaneous Unquantified						\$523,588.50
12% Mobilization						\$272,266.02
Grand Total						\$2,541,149.52

***Utility relocations, Temporary grading easements, additional ROW, Engineering design and construction management costs not included in this estimate