

October 18, 2019  
A14D7067-1

Engineer's Estimate of Probable Construction Cost For  
**PL2019-186 NW Pryor Road Signal Improvements & Lane Widening**

The below estimate has been developed using plan quantities from the Construction Plans for signal improvements and lane widening. Unit costs have been estimated from historical construction data on similar projects in this area. Costs can vary substantially depending on contractors and changes in price of materials at the time of construction.

**Summary of Quantities**

**Paving**

Item No.	Item	Estimated Quantity	Unit	Unit Cost	Total Cost
1	2' Curb & Gutter (CG-1)	1,080	L.F.	\$16.97	\$18,327.60
2	Asphaltic Cement Concrete Surface (2")	1,240	S.Y.	\$8.39	\$10,403.60
3	Asphaltic Cement Concrete Surface (7.5")	1,240	S.Y.	\$23.71	\$29,400.40
4	MoDOT Type 5 Base (Pavement)(12")	1,570	S.Y.	\$6.65	\$10,440.50
5	Terragrid SX2020	1,570	S.Y.	\$1.00	\$1,570.00
6	Concrete Entrance (Commercial)(8")	879	S.Y.	\$66.52	\$58,471.08
7	Aggregate Base (Commercial)(Driveway)(4")	879	S.Y.	\$8.30	\$7,295.70
8	Handicap Ramp	4	Ea.	\$2,254.96	\$9,019.84
9	Modular Block Retaining Wall	34	L.F.	\$176.21	\$5,991.14
10	Island Concrete (6")	54	S.F.	\$38.10	\$2,057.40
11	Sidewalk	484	S.Y.	\$71.59	\$34,649.56
12	Detectable Warning Pad (2' x 3')	1	Ea.	\$120.00	\$120.00

**Paving Total:**

**\$187,746.82**

**Erosion Control**

Item No.	Item	Estimated Quantity	Unit	Unit Cost	Total Cost
1	Sedimentation Fence	1,148	L.F.		\$0.00
2	Curb Inlet Protection	4	Ea.		\$0.00
3	Area Inlet & Junction Box Protection	4	Ea.		\$0.00
	Erosion Control Devices (Include Items 1, 2 & 3)	1	L.S.	\$5,000.00	\$5,000.00
4	Seeding	0.50	Ac.	\$2,000.00	\$1,000.00

**Erosion Control Total:**

**\$6,000.00**

**Lighting**

Item No.	Item	Estimated Quantity	Unit	Unit Cost	Total Cost
1	Light Pole Base	2	Ea.	\$1,500.00	\$3,000.00

**Lighting** **\$3,000.00**

**Pavement Marking & Signing**

Item No.	Item	Estimated Quantity	Unit	Unit Cost	Total Cost
1	Pavement Marking, High-build Paint (Solid White)(4")	574	L.F.	\$1.43	\$820.82
2	Pavement Marking, High-build Paint (Dashed White) (Extension)(6")	82	L.F.	\$0.50	\$41.00
3	Pavement Marking, High-build Paint (Solid White) (Cross-walk)(6")	220	L.F.	\$0.60	\$132.00
4	Pavement Marking, Thermoplastic (Solid White) (Stop Bar)(24")	62	L.F.	\$2.51	\$155.62
5	Pavement Marking, Thermoplastic (White) (Left/Right Arrow)	17	Ea.	\$296.66	\$5,043.22
6	Permanent Signs	32	S.F.	\$19.97	\$639.04
7	Sign Post (Square Steel Tube)	30	L.F.	\$15.90	\$477.00

**Pavement Marking & Signing Total:** **\$7,308.70**

**Traffic Signal**

Item No.	Item	Estimated Quantity	Unit	Unit Cost	Total Cost
1	Traffic Signal System, NW Pryor and NW Summit Woods	1	L.S.	\$175,000.00	\$175,000.00
2	Traffic Signal System, NW Pryor and NW Lowenstein	1	L.S.	\$275,000.00	\$275,000.00
3	Interconnect Cable	2,370	L.F.	\$10.00	\$23,700.00

**Traffic Signal** **\$473,700.00**

**Storm Sewer**

Item No.	Item	Estimated Quantity	Unit	Unit Cost	Total Cost
1	Setback Curb Inlet	1	Ea.	\$3,900.00	\$3,900.00
2	RCP (24" )(Class 3)	42	L.F.	\$120.00	\$5,040.00

**Storm Sewer** **\$8,940.00**

**Grand Total:** **\$683,695.52**



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