

**Engineer's Opinion of Estimated Costs for Public Improvements at
Miller's Landing**

Prairie Hawk - Phase 1 (Preliminary Estimate)

Project No. 17-069

Date: 3/16/2023

Note: All Costs Must Include Labor and Materials.



<u>PUBLIC IMPROVEMENTS TO BE INSPECTED</u>				
<u>Earthwork</u>	Quantity	Unit	Unit Cost	Total Cost
Mobilization	1	EA	\$20,000.00	\$20,000.00
Retaining Walls				
4' Max	290	LF	\$40.00	\$11,600.00
6' Max	19	LF	\$60.00	\$1,140.00
8' Max	167	LF	\$80.00	\$13,360.00
<u>Transportation</u>	Quantity	Unit	Unit Cost	Total Cost
Paving	14,045	SY	\$76.75	\$1,077,953.75
ABC	14,045	SY	\$37.60	\$528,092.00
Subgrade Prep	14,045	SY	\$4.00	\$56,180.00
Remove existing Asphalt	306	SY	\$50.00	\$15,300.00
6" Vertical Curb & Gutter w/ 1' Pan	3,160	LF	\$34.70	\$109,652.00
Concrete Sidewalk	34,700	SY	\$68.25	\$2,368,275.00
6" Vertical Curb & Gutter w/ 2' Pan	4,039	LF	\$34.70	\$140,153.30
Curb Ramps	25	EA	\$3,525.00	\$88,125.00
Public Signage	47	EA	\$443.00	\$20,821.00
Type III Barricade	7	EA	\$443.00	\$3,101.00
Public Striping	1	LS	\$5,000.00	\$5,000.00
<u>Water</u>	Quantity	Unit	Unit Cost	Total Cost
Bends (list sizes)				
Bend 12"x12"	9	EA	\$1,835.00	\$16,515.00
Connections to Existing WL	1	EA	\$2,125.00	\$2,125.00
Fire Hydrants (w/ gate valve)	4	EA	\$5,000.00	\$20,000.00
Tees (list sizes)				
Tee 12"x6"	4	EA	\$2,215.00	\$8,860.00
Tee 12"x12"	5	EA	\$2,525.00	\$12,625.00

Temporary Blow Off	6	EA	\$5,725.00	\$34,350.00
Valves (list types & sizes)				
Gate Valve 12"	14	EA	\$3,200.00	\$44,800.00
Water Mains (list types & sizes)				
DIP 6"	66	LF	\$82.00	\$5,412.00
PVC 12"	2,835	LF	\$50.00	\$141,750.00
Waterline Lowering	1	EA	\$3,000.00	\$3,000.00
Storm Sewer	Quantity	Unit	Unit Cost	Total Cost
Storm Sewer Pipes				
18" RCP	374	LF	\$42.00	\$15,708.00
24" RCP	1,438	LF	\$56.00	\$80,528.00
36" RCP	435	LF	\$85.00	\$36,975.00
Manholes				
5' Manhole	10	EA	\$4,800.00	\$48,000.00
Inlets				
10' Type R Inlet	9	EA	\$13,625.00	\$122,625.00
FES				
18"	1	EA	\$1,200.00	\$1,200.00
24"	1	EA	\$1,400.00	\$1,400.00
36"	1	EA	\$3,000.00	\$3,000.00
Dentention Ponds				
Forebay	3	EA	\$10,000.00	\$30,000.00
Trickle Channel	418	LF	\$35.00	\$14,630.00
Outlet Structure	2	EA	\$9,000.00	\$18,000.00
Rip Rap				
Type M (2' depth for outlets)	2	CY	\$60.00	\$120.00
Type VL (1.5' depth for swale lining)	43	CY	\$50.00	\$2,150.00
				\$5,122,526.05
10% Contingency				\$512,252.61
Total Public Improvements				\$5,634,778.66
<u>PRIVATE IMPROVEMENTS TO BE INSPECTED</u>				
Description	Quantity	Unit	Unit Cost	Total Cost
<u>Earthwork</u>				
<u>Transportation</u>				
<u>Water</u>				
<u>Sanitary Sewer</u>				

Drainage				
Subtotal				\$0.00
10% Contingency				\$0.00
Total Private Improvements Not To Be Inspected				\$0.00

PRIVATE IMPROVEMENTS NOT TO BE INSPECTED				
Description	Quantity	Unit	Unit Cost	Total Cost
Earthwork				
Transportation				
Water				
Sanitary Sewer				
Drainage				
Subtotal				\$0.00
10% Contingency				\$0.00
Total Private Improvements Not To Be Inspected				\$0.00

Grand Total	\$5,634,778.66
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1. Surety is calculated based on Public Improvement Costs.
2. Inspection Fees are calculated from Public Improvements and Private Improvements to be inspected.
3. Plan Review Fees are calculated from the Grand Total of all Improvements.
4. Use Tax is calculated from the Grand Total of all Improvements minus Earthwork.
5. All Costs Shall Include Labor and Material.

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