Project #: **4972**
Project Name: **McHenry Master Plan Preliminary (15%)**
Calculated By: I. JOHNSON
Date: Thursday, May 1, 2025

ENGINEERING - PLANNING - SURVEYING

Engineers Estimate

Item No.	Item	Total Estimated Quantity	Unit	Unit Price	Total
1020.01	Bonds and Insurance	1	LS	$ 100,000.00	$ 100,000.00
1020.03	Potholing Utilities	10	EA	$ 800.00	$ 8,000.00
1030.01	Mobilization	1	LS	$ 250,000.00	$ 250,000.00
1035.01	Miscellaneous Force Account	1	FA	$ 100,000.00	$ 100,000.00
1041.01	Construction Surveying	1	LS	$ 15,000.00	$ 15,000.00
1050.01	Traffic Control / Site Safety	1	LS	$ 20,000.00	$ 20,000.00
1563.01	Erosion Control Storm Water Management	1	LS	$ 40,000.00	$ 40,000.00
				Sub Total	**$ 533,000.00**
Schedule I	**Pontillo Drive (1300 LF+/-)**				
2076.00	Sawcutting HPM (Pontillo Dr.)	100	LF	$ 5.00	$ 500.00
2210.01	Unclassified Excavation	4000	CY	$ 5.00	$ 20,000.00
2231.01	6" Crushed Base Grading 'W' or 'L'	2007	TON	$ 30.00	$ 60,210.00
2512.01	Hot Plant Mix Pvmt Type II (Grading A, 2.0" Bottom Lift)	610	TON	$ 125.00	$ 76,250.00
2512.02	Hot Plant Mix Pvmt Type II (Grading C, 2.0" Top Lift)	570	TON	$ 125.00	$ 71,250.00
2900.01	Native Grass Seeding	1.00	AC	$ 4,000.00	$ 4,000.00
				Sub Total	**$ 232,210.00**
Schedule II	**High Plains Road (2600 LF +/-)**				
2076.00	Sawcutting HPM (High Plains Rd.)	100	LF	$ 5.00	$ 500.00
2210.01	Unclassified Excavation	9000	CY	$ 5.00	$ 45,000.00
2231.01	6" Crushed Base Grading 'W' or 'L'	4014	TON	$ 30.00	$ 120,420.00
2512.01	Hot Plant Mix Pvmt Type II (Grading A, 2.0" Bottom Lift)	1220	TON	$ 125.00	$ 152,500.00
2512.02	Hot Plant Mix Pvmt Type II (Grading C, 2.0" Top Lift)	1140	TON	$ 125.00	$ 142,500.00
2900.01	Native Grass Seeding	2.00	AC	$ 4,000.00	$ 8,000.00
				Sub Total	**$ 468,920.00**
Schedule III	**Road A (2600 LF +/-)**				
2210.01	Unclassified Excavation	16000	CY	$ 5.00	$ 80,000.00
2231.01	6" Crushed Base Grading 'W' or 'L'	4014	TON	$ 30.00	$ 120,420.00
2512.01	Hot Plant Mix Pvmt Type II (Grading A, 2.0" Bottom Lift)	1220	TON	$ 130.00	$ 158,600.00
2512.02	Hot Plant Mix Pvmt Type II (Grading C, 2.0" Top Lift)	1140	TON	$ 130.00	$ 148,200.00
2900.01	Native Grass Seeding	2.00	AC	$ 4,000.00	$ 8,000.00
				Sub Total	**$ 515,220.00**
Schedule IV	**Road B 1800 LF +/-)**				
2210.01	Unclassified Excavation	2700	CY	$ 5.00	$ 13,500.00
2231.01	6" Crushed Base Grading 'W' or 'L'	1006	TON	$ 30.00	$ 30,180.00
2512.01	Hot Plant Mix Pvmt Type II (Grading A, 2.0" Bottom Lift)	329	TON	$ 130.00	$ 42,770.00
2512.02	Hot Plant Mix Pvmt Type II (Grading C, 2.0" Top Lift)	318	TON	$ 130.00	$ 41,340.00
2900.01	Native Grass Seeding	0.80	AC	$ 4,000.00	$ 3,200.00
				Sub Total	**$ 130,990.00**
Schedule V	**SEWER (w/ SCSW ACCESS) (6700 LF +/-)**				
2231.01	8" Crushed Base Grading 'W' or 'L' (ACCESS ROAD)	1700	TON	$ 30.00	$ 51,000.00
2700.01	Sanitary Sewer Main PVC SDR 35 - 10"	6700	LF	$ 95.00	$ 636,500.00
2700.02	Sanitary Manhole - 48" Diameter (10' depth)	15	EA	$ 10,000.00	$ 150,000.00
2701.02	Sanitary Manhole - 48" Diameter (15' depth)	7	EA	$ 11,000.00	$ 77,000.00
2900.01	Native Grass Seeding	2.79	AC	$ 4,000.00	$ 11,160.00
				Sub Total	**$ 925,660.00**
Schedule VI	**WATER (6900 LF +/-)**				
2665.00	8" Water Main - PVC (C900) DR 18	6900	LF	$ 85.00	$ 586,500.00
2665.01	8" - Bend 90°	2	EA	$ 2,000.00	$ 4,000.00
2665.02	16" x 16" x 8" - Tee	2	EA	$ 4,500.00	$ 9,000.00
2666.02	8" x 8" x 8" - Tee	2	EA	$ 2,500.00	$ 5,000.00
2665.03	8" - Gate Valve & Valve Box	12	EA	$ 5,000.00	$ 60,000.00
2665.04	16" - Gate Valve & Valve Box	2	EA	$ 15,000.00	$ 30,000.00
2665.05	16" - Duo Sleeve	2	EA	$ 12,000.00	$ 24,000.00
2665.06	Fire Hydrant Assembly	11	EA	$ 12,500.00	$ 137,500.00
2665.07	8" Air Vac Assembly & Vault	5	EA	$ 18,000.00	$ 90,000.00
2666.08	8" Blow Off Valve (or Hydrant?)	5	EA	$ 12,500.00	$ 62,500.00
4000.01	Precast Concrete Bollards	40	EA	$ 650.00	$ 26,000.00
				Sub Total	**$ 1,034,500.00**
				Combined Total	**$ 3,840,500.00**
				Class 4 - 15% Estimate : Low Expected Actual Cost (-30%)	**$ 2,688,350.00**
				Class 4 - 15% Estimate : High Expected Actual Cost (+50%)	**$ 5,760,750.00**

Item No.	Item	Total Estimated Quantity	Unit	Unit Price	Total
Schedule VII	**OVERLOT GRADING ESTIMATE**				
2210.01	Unclassified Excavation	150000	CY	$ 5.00	$ 750,000.00
2210.02	Import Fill	110000	CY	$ 5.50	$ 605,000.00
2210.03	Less Road Schedule A-D Unclass Excavation	31700	CY	$ (5.00)	$ (158,500.00)
				Sub Total	**$ 1,196,500.00**

Note:
For Schedules I - VI the roadway profiles were developed based on local design criteria by generally following the existing topography to minimize earthwork
For Schedule VII the roadway profiles were developed based on local design criteria, optimizing the sanitary sewer & water main design with a quick look at rough grading to provide lots closer to shovel ready.