

City of Rochester Hills
Childress Ave SAD Project
Preliminary Plan
Engineers Opinion of Probable Construction Cost
10/3/2025

Item	Item Description	Quantity	Unit	Unit Price	Total Cost
1100001	Mobilization, Max.	1	Lsum	\$ 66,000.00	\$ 66,000.00
2020002	Tree, Rem, 19 inch to 36 inch	2	Ea	\$ 1,800.00	\$ 3,600.00
2020004	Tree, Rem, 6 inch to 18 inch	15	Ea	\$ 300.00	\$ 4,500.00
2040035	Guardrail, Rem	590	Ft	\$ 3.00	\$ 1,770.00
2030001	Culv, Rem, Less than 24 inch	7	Ea	\$ 1,000.00	\$ 7,000.00
2040050	Pavt, Rem	44	Syd	\$ 12.00	\$ 528.00
2040080	Exploratory Investigation, Vertical	50	Ft	\$ 100.00	\$ 5,000.00
2057002	Station Grading, Spec	10	Sta	\$ 12,000.00	\$ 120,000.00
2057021	Subgrade Undercutting, 1 x 3, Spec	270	Cyd	\$ 85.00	\$ 22,950.00
2080020	Erosion Control, Inlet Protection, Fabric Drop	4	Ea	\$ 150.00	\$ 600.00
2080036	Erosion Control, Silt Fence	1520	Ft	\$ 6.00	\$ 9,120.00
2097051	Project Cleanup, Special	1	Lsum	\$ 7,500.00	\$ 7,500.00
3027011	Aggregate Base, 6 inch, Spec	431	Syd	\$ 20.00	\$ 8,620.00
3027011	Aggregate Base, 8 inch, Spec	2850	Syd	\$ 25.00	\$ 71,250.00
3060020	Maintenance Gravel	50	Ton	\$ 40.00	\$ 2,000.00
3080010	Geogrid, Spec	810	Syd	\$ 5.00	\$ 4,050.00
4020987	Sewer, CI IV, 12 inch, Tr Det B	41	Ft	\$ 120.00	\$ 4,920.00
4030010	Dr Structure Cover, Type B	1	Ea	\$ 1,000.00	\$ 1,000.00
4030045	Dr Structure Cover, Type J	2	Ea	\$ 1,000.00	\$ 2,000.00
4030200	Dr Structure, 24 inch dia	2	Ea	\$ 2,500.00	\$ 5,000.00
4037001	DPS Structure Cover, Adj, Add Depth, Spec	15	Ft	\$ 300.00	\$ 4,500.00
4037050	DPS Structure Cover, Adj, Case 2, Spec	3	Ea	\$ 1,000.00	\$ 3,000.00
4037050	DPS Structure Cover, Spec	3	Ea	\$ 1,000.00	\$ 3,000.00
4037051	Drainage Allowance	1	Lsum	\$ 50,000.00	\$ 50,000.00
4047001	Underdrain, Subgrade, Open-Graded, 6 inch, Spec	1970	Ft	\$ 20.00	\$ 39,400.00
5010005	HMA Surface, Rem	135	Syd	\$ 5.00	\$ 675.00
5010061	HMA Approach	133	Ton	\$ 350.00	\$ 46,550.00
5012013	HMA, 3EML	340	Ton	\$ 120.00	\$ 40,800.00
5012025	HMA, 4EML	270	Ton	\$ 120.00	\$ 32,400.00
5012037	HMA, 5EML	210	Ton	\$ 130.00	\$ 27,300.00
8010005	Driveway, Nonreinf Conc, 6 inch	59	Syd	\$ 75.00	\$ 4,425.00
8020040	Curb and Gutter, Conc, Det B2, Spec	1970	Ft	\$ 30.00	\$ 59,100.00

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8070095	Post, Mailbox	9	Ea	\$ 100.00	\$ 900.00
8072179	Guardrail, Type MGS-8, 72 inch Post	590	Ft	\$ 32.00	\$ 18,880.00
8100371	Post, Steel, 3 pound	75	Ft	\$ 11.00	\$ 825.00
8100402	Sign, Type III, Erect, Salv	5	Ea	\$ 65.00	\$ 325.00
8120012	Barricade, Type III, High Intensity, Double Sided, Light	10	Ea	\$ 75.00	\$ 750.00
8120013	Barricade, Type III, High Intensity, Double Sided, Light	10	Ea	\$ 5.00	\$ 50.00
8120100	Dust Palliative, Applied	10	Ton	\$ 100.00	\$ 1,000.00
8120170	Minor Traf Devices	1	Lsum	\$ 10,000.00	\$ 10,000.00
8120370	Traf Regulator Control	1	Lsum	\$ 5,000.00	\$ 5,000.00
8120252	Plastic Drum, Fluorescent, Furn	30	Ea	\$ 30.00	\$ 900.00
8120253	Plastic Drum, Fluorescent, Oper	30	Ea	\$ 1.00	\$ 30.00
8120035	Channelizing Device, 42 inch, Fluorescent, Furn	30	Ea	\$ 25.00	\$ 750.00
8120036	Channelizing Device, 42 inch, Fluorescent, Oper	30	Ea	\$ 1.00	\$ 30.00
8167011	Turf Establishment, Spec	1550	Syd	\$ 10.00	\$ 15,500.00
8237050	Sprinkler Head, Relocate	40	Ea	\$ 100.00	\$ 4,000.00
8237050	Sprinkler Head, Replace	40	Ea	\$ 100.00	\$ 4,000.00
8267050	Reimbursed Permit Fees	2000	Dlr	\$ 1.00	\$ 2,000.00
Construction Cost					\$ 723,498.00

Note: Estimate does not include any cost for:

1. Design, Construction Engineering, Layout, Etc.
2. Impacts to Existing Private Utilities

- Assumptions:**
1. 15 feet of steel sign support accounted for each salvaged sign
 2. Subgrade undercutting with geogrid is accounted for 1/3 of the project length
 3. Proposed road cross-section is 6" of HMA on 8" of Aggregate
 4. HMA lifts for mainline paving is 2.5" of 3EML, 2" of 4EML, 1.5" of 5EML
 5. 8" aggregate is accounted for 2' behind back of curb (1' behind edge drain)