

CONSTRUCTION COST ESTIMATE

CSAH 54 Expansion from Hastings City Limit to CSAH 68 (200th ST. East) & Construction of Roundabout at 54/68 Intersection in Ravenna Township

ROADWORKS

BID ITEM DESCRIPTION	QUANTITY	UNIT	(2024 prices)		REMARKS
			UNIT PRICE (\$)	TOTAL PRICE (\$)	
Mobilization	1	LS	1,875,000	1,875,000	7.5% of the contract value
Clearing & Grubbing	1	LS	50,000.00	50,000.00	1' depth for each of 3 layers
Excavation (existing pavement, common & sub-grade)	344,960	cu.yd	14	4,829,440	
Embankment Fill	172,480	cu.yd	6.55	1,129,744	
Granular sub-grade	104,036	cu.yd	12	1,248,432	
Aggregate sub-base	93,084	cu.yd	22.5	2,093,580	
Asphalt Pavement (6" in 3 lifts)	197,120	sq.yd	48	9,461,760	width = 48'
Shoulder Pavement (4" in 2 lifts)	49,280	sq.yd	31.5	1,552,320	width = 12'
Concrete Walk/Trail	41,067	sq.yd	13	533,871	width = 10'
ADA Pedestrian Ramp	38	each	2150	81,700	
DRAINAGE, UTILITIES & EROSION CONTROL (Rural)	7	miles	105,000	735,000	
EXISTING STRUCTURE REPLACEMENT	4	each	621,500	2,486,000	
SIGNING & STRIPING					
Signs	7	miles	84,000	588,000	
Striping	7	miles	58,000	406,000	
MISCELLANEOUS ITEMS					
Temporary works (detours, drianage, pavement)	1	LS	850,000	850,000	
Temporary traffic control	1	LS	100,000	100,000	
Electric Bike Chargers	2	each	75,000	150,000	
Wayfinding	1	LS	150,000	150,000	
Treeplanting	1000	each	50	50,000	
Bench nodes	3	each	33,333	100,000	
Construction subtotal				28,470,847	
RISK MANAGEMENT					
Inflation till 2027-2028	4%	each year		4,195,500	
Contingency				2,698,691	
GRAND TOTAL				35,365,038	