

ENGINEER'S PRELIMINARY COST ESTIMATE

Thursday, August 29, 2024

Village of Kronenwetter - Kronenwetter Dr. Rehabilitation North Branch

8820 LF Rural Section with Paved Shoulders

TID2 BOUNDARY NORTH TO KOWALSKI

ROAD REHEABILITATION



	#	Item	Item Quantity	Units	Unit Cost	Total Cost
Project Development Costs						
	a	Comprehensive Mapping & Surveying	----	---	----	\$21,000
	b	Planning, Coordination, Engineering & Administration	----	---	----	\$60,000
	c	Legal Services To-Date	----	---	----	----
	d	Title Services To-Date	----	---	----	----
	e	Land Acquisition (Prof. Fees & Land Rights) Estimate	----	---	----	----
	T1	Subtotal Project Development Costs				\$81,000
Roadway Construction Costs						
	1	Erosion Control Items & Maintenance During Construction	1	Lump Sum	\$10,000.00	\$10,000
	2	Unclassified excavation for Roadway	8,844	SY	\$3.00	\$26,532
	3	Remove Asphalt Pavement, Main Roadway TO STA=139+00	8,844	SY	\$3.50	\$30,954
	4	Remove Asphalt Pavement, Side streets & Driveways	2,500	SY	\$5.00	\$12,500
	5	Remove Concrete Driveway	50	SY	\$7.00	\$350
	6	Remove existing culverts	2	EA	\$1,000.00	\$2,000
	7	Sawcut Asphalt Pavement	390	LF	\$1.50	\$585
	8	Topsoil removal	2,000	SY	\$2.50	\$5,000
	9	Unclassified Excavation for Driveways	300	CY	\$10.00	\$3,000
	10	Pulverize Ex. 3" pavement with 4" existing CABC	20,816	SY	\$3.50	\$72,856
	11	3/4" Crushed Aggregate 4" top dress Pulverized pavemnt	20,816	SY	\$4.00	\$83,264
	12	HMA Asphalt Pavement 2" Surface Course Pulverized Section	20,816	SY	\$10.00	\$208,160
	13	HMA Asphalt Pavement 2" Binder Course Pulverized Section	20,816	SY	\$9.00	\$187,344
	14	Remove trees	1	LS	\$500.00	\$500
	15	Geo Grid for Re-Built Section	18,428	SY	\$3.00	\$55,284
	16	12" Breaker Run	3,400	CY	\$50.00	\$170,000
	17	Medium Rip Rap over Fabric for Storm Sewer Endwalls	250	CY	\$60.00	\$15,000
	18	3/4" Crushed Aggregate for Driveway as Needed	100	CY	\$50.00	\$5,000
	19	Open Graded Drainage Layer (Assume 50%)	7,710	SY	\$4.00	\$30,840
	20	1.5" Crushed Aggregate Base Course, 6" Compacted-Road & Intersections	7,710	SY	\$5.00	\$38,550
	21	HMA Asphalt Pavement 2" Surface Course for Rebuilt Portion	7,710	SY	\$10.00	\$77,100
	22	HMA Asphalt Pavement 2" Binder Course for Rebuilt Portion	7,710	SY	\$9.00	\$69,390
	23	Hot Tar Butt Joint Sealer	390	LF	\$5.00	\$1,950
	24	3/4" Crushed Aggregate for Road Shoulder, 2' wide x 6" thick	250	CY	\$50.00	\$12,500
	25	HMA Asphalt-2" for path & driveways	710	SY	\$20.00	\$14,200
	26	Topsoil, Seed & E-Mat all Disturbed areas,	6,500	SY	\$2.75	\$17,875
	27	Install 14x23 RCP & endwalls - Avg 37 LF	37	LF	\$ 75.00	\$2,775
	28	Install 19x30 RCP & endwalls - Avg 37 LF	37	LF	\$ 80.00	\$2,960
	29	Culvert Crossing Repairs	1	LS	\$ 8,000.00	\$8,000
	30	Pavement Markings	1	LS	\$ 10,000.00	\$10,000
	31	Traffic Control	1	LS	\$ 5,000.00	\$5,000
	32	Reset Valve lids & Manhole Covers	1	LS	\$ 5,000.00	\$5,000
	T2	SubTotal Road Construction & Utility Costs				\$1,185,000
Percentage Allocations On Construction Subtotal						
	A1	Performance & Payment bonds	2	%	----	\$23,700
	A2	Mobilization/Demobilization	3	%	----	\$35,600
	A3	Funding Requirements	0.0	%	----	\$0
	A4	Construction Contingencies	5	%	----	\$59,300
	A5	Geotechnical	0	%	----	\$0
	A6	Construction Engineering, Permitting, Coordination, Construction Admin.	3	%	----	\$35,600
	A7	Surveying (Staking) & Legal	3	%	----	\$35,600
	T3	Subtotal on Construction Allocations				\$190,000
	T4	TOTAL PROJECT SUBTOTAL				\$1,460,000