

I-271 Cedar / Brainard Combined Improvements
Opinion of Probable Cost

ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
ROADWAY					
201	CLEARING AND GRUBBING	1	LS	\$75,000.00	\$75,000.00
202	PAVEMENT REMOVED	46,900	SY	\$8.00	\$375,200.00
202	GUARDRAIL REMOVED	1,600	FT	\$6.00	\$9,600.00
202	ANCHOR ASSEMBLY REMOVED	16	EACH	\$200.00	\$3,200.00
202	CONCRETE BARRIER REMOVED	225	FT	\$30.00	\$6,750.00
202	IMPACT ACTENUATOR REMOVED	4	EACH	\$350.00	\$1,400.00
202	BRIDGE TERMINAL ASSEMBLY REMOVED	2	EACH	\$150.00	\$300.00
203	EXCAVATION / EMBANKMENT	9,400	CY	\$15.00	\$141,000.00
252	FULL DEPTH PAVEMENT SAWING	11,500	FT	\$2.00	\$23,000.00
606	ANCHOR ASSEMBLY, MGS TYPE E	4	EACH	\$2,000.00	\$8,000.00
606	ANCHOR ASSEMBLY, MGS TYPE T	8	EACH	\$900.00	\$7,200.00
606	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	5	EACH	\$2,000.00	\$10,000.00
606	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	2	EACH	\$1,000.00	\$2,000.00
606	IMPACT ACTENUATOR, TYPE 1 (BIDIRECTIONAL)	4	EACH	\$4,000.00	\$16,000.00
606	GUARDRAIL, TYPE MGS	1,600	FT	\$16.00	\$25,600.00
622	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	500	FT	\$100.00	\$50,000.00
659	SEEDING AND MULCHING	37,300	SY	\$3.00	\$111,900.00
832	EROSION CONTROL	1	LS	\$85,000.00	\$85,000.00
832	EROSION CONTROL PLAN	1	LS	\$20,500.00	\$20,500.00
ROADWAY SUBTOTAL:					\$971,650.00
DRAINAGE					
202	CATCH BASIN REMOVED	28	EACH	\$500.00	\$14,000.00
202	PIPE REMOVED, 24" & UNDER	700	FT	\$25.00	\$17,500.00
605	UNDERDRAINS	20,000	FT	\$12.00	\$240,000.00
611	12" TO 24" CONDUIT	1,200	FT	\$125.00	\$150,000.00
611	CATCH BASIN, NO. 5	36	EACH	\$3,500.00	\$126,000.00
DRAINAGE SUBTOTAL:					\$547,500.00
PAVEMENT					
302	6" ASPHALT CONCRETE BASE, PG64-22	3,200	CY	\$115.00	\$368,000.00
304	6" AGGREGATE BASE	3,200	CY	\$65.00	\$208,000.00
407	NON-TRACKING TACK COAT	2,880	GAL	\$3.00	\$8,640.00
442	1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE B (446)	940	CY	\$145.00	\$136,300.00
806	1-1/4" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A	670	CY	\$165.00	\$110,550.00
PAVEMENT SUBTOTAL:					\$831,490.00
TRAFFIC CONTROL					
	SIGNING	1	LS	\$500,000.00	\$500,000.00
	STRIPING	1	LS	\$105,000.00	\$105,000.00
TRAFFIC CONTROL SUBTOTAL:					\$605,000.00
MAINTENANCE OF TRAFFIC					
	MAINTENANCE OF TRAFFIC	1	LS	\$249,000.00	\$249,000.00
MAINTENANCE OF TRAFFIC SUBTOTAL:					\$249,000.00

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ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
	MISCELLANEOUS				
614	MAINTAINING TRAFFIC	1	LS	\$96,000.00	\$96,000.00
619	FIELD OFFICE	12	MON	\$2,500.00	\$30,000.00
623	CONSTRUCTION LAYOUT STAKES	1	LS	\$16,000.00	\$16,000.00
624	MOBILIZATION	1	LS	\$140,000.00	\$140,000.00
SPEC	PERFORMANCE BOND	1	LS	\$16,000.00	\$16,000.00
	MISCELLANEOUS SUBTOTAL:				\$298,000.00
	RIGHT OF WAY				
	TEMPORARY R/W TAKE - COMMERCIAL	0	EACH	\$5,000.00	\$0.00
	PERMANENT R/W TAKE - COMMERCIAL	0	EACH	\$50,000.00	\$0.00
	ACQUISITION SERVICES	0	EACH	\$6,000.00	\$0.00
	APPRAISAL REVIEW SERVICES	0	EACH	\$600.00	\$0.00
	RIGHT OF WAY SUBTOTAL:				\$0.00
	TOTAL CONSTRUCTION AND RIGHT OF WAY COST:				\$3,502,640.00
	DESIGN ENGINEERING COST: (15% OF CONSTR. & R/W COST)				\$526,000.00
	GEOTECHNICAL ENGINEERING COST: (1% OF CONSTR. & R/W COST)				\$36,000.00
	ENVIRONMENTAL COST: (1% OF CONSTR. & R/W COST)				\$36,000.00
	SUBSURFACE UTILITY ENGINEERING (SUE): (3% OF CONSTR. & R/W COST)				\$106,000.00
	PROJECT SUBTOTAL:				\$4,206,640.00
	INFLATION CONTINGENCY FOR FY2024 (9.2%):				\$387,000.00
	TOTAL:				\$4,593,640.00