

HUR-Township Road 145 (Omega Road) over Branch of the Vermilion River Bridge Replacement

PID: 94457 State Project Number: 438412 Bid Opening: January 20, 2017

ESTIMATED QUANTITIES			ENGINEER'S ESTIMATE		CRAWFORD CONSTRUCTION		MOSER CONSTRUCTION		SCHALK BROTHERS INC.		AVERAGE	AVERAGE	
Item	Total	Unit	Description	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	UNIT COST	TOTAL COST
			ROADWAY										
201	LUMP	LUMP	CLEARING AND GRUBBING	\$5,000.00	\$5,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$10,000.00	\$ 10,000.00	\$ 4,666.67	\$ 4,666.67
202	817	S.Y.	PAVEMENT REMOVED	\$6.00	\$4,902.00	\$ 5.00	\$ 4,085.00	\$ 11.00	\$ 8,987.00	\$ 3.00	\$ 2,451.00	\$ 6.33	\$ 5,174.33
202	108	FOOT	GUARDRAIL REMOVED	\$4.00	\$432.00	\$ 4.20	\$ 453.60	\$ 5.00	\$ 540.00	\$ 5.00	\$ 540.00	\$ 4.73	\$ 511.20
203	273	C.Y.	EXCAVATION	\$13.00	\$3,549.00	\$ 19.00	\$ 5,187.00	\$ 12.00	\$ 3,276.00	\$ 12.00	\$ 3,276.00	\$ 14.33	\$ 3,913.00
203	71	C.Y.	EMBANKMENT	\$20.00	\$1,420.00	\$ 37.00	\$ 2,627.00	\$ 50.00	\$ 3,550.00	\$ 12.00	\$ 852.00	\$ 33.00	\$ 2,343.00
203	94	C.Y.	EMBANKMENT, PER PLAN	\$100.00	\$9,400.00	\$ 37.00	\$ 3,478.00	\$ 34.00	\$ 3,196.00	\$ 22.00	\$ 2,068.00	\$ 31.00	\$ 2,914.00
203	90	C.Y.	GRANULAR MATERIAL, TYPE C	\$100.00	\$9,000.00	\$ 40.00	\$ 3,600.00	\$ 25.00	\$ 2,250.00	\$ 28.00	\$ 2,520.00	\$ 31.00	\$ 2,790.00
204	1100	S.Y.	SUBGRADE COMPACTION	\$1.60	\$1,760.00	\$ 0.50	\$ 550.00	\$ 3.50	\$ 3,850.00	\$ 1.00	\$ 1,100.00	\$ 1.67	\$ 1,833.33
606	62.5	FOOT	GUARDRAIL, TYPE MGS, 9 FOOT POSTS	\$20.00	\$1,250.00	\$ 19.00	\$ 1,187.50	\$ 16.91	\$ 1,056.88	\$ 16.80	\$ 1,050.00	\$ 17.57	\$ 1,098.13
606	4	EACH	ANCHOR ASSEMBLY, TYPE E	\$2,000.00	\$8,000.00	\$ 1,900.00	\$ 7,600.00	\$ 1,836.98	\$ 7,347.92	\$ 1,825.00	\$ 7,300.00	\$ 1,853.99	\$ 7,415.97
606	2	EACH	ANCHOR ASSEMBLY, TYPE T	\$900.00	\$1,800.00	\$ 800.00	\$ 1,600.00	\$ 739.83	\$ 1,479.66	\$ 735.00	\$ 1,470.00	\$ 758.28	\$ 1,516.55
606	4	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 1	\$2,000.00	\$8,000.00	\$ 2,000.00	\$ 8,000.00	\$ 1,942.66	\$ 7,770.64	\$ 1,930.00	\$ 7,720.00	\$ 1,957.55	\$ 7,830.21
			SUBTOTAL		\$54,513.00		\$ 40,368.10		\$ 45,304.10		\$ 40,347.00		\$ 42,006.40
			EROSION CONTROL										
601	3	C.Y.	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	\$150.00	\$ 450.00	\$ 80.00	\$ 240.00	\$ 120.00	\$ 360.00	\$ 20.00	\$ 60.00	\$ 73.33	\$ 220.00
659	1157	S.Y.	SEEDING & MULCHING	\$2.00	\$ 2,314.00	\$ 2.50	\$ 2,892.50	\$ 2.00	\$ 2,314.00	\$ 2.00	\$ 2,314.00	\$ 2.17	\$ 2,506.83
832	6000	EACH	EROSION CONTROL *	\$1.00	\$ 6,000.00	\$ 1.00	\$ 6,000.00	\$ 1.00	\$ 6,000.00	\$ 1.00	\$ 6,000.00	\$ 1.00	\$ 6,000.00
			SUBTOTAL		\$8,764.00		\$ 9,132.50		\$ 8,674.00		\$ 8,374.00		\$ 8,726.83
			DRAINAGE										
611	30	Foot	4" Conduit, Type "C"	\$ 10.00	\$ 300.00	\$ 4.00	\$ 120.00	\$ 10.00	\$ 300.00	\$ 4.00	\$ 120.00	\$ 6.00	\$ 180.00
611	30	Foot	6" Conduit, Type "C"	\$ 15.00	\$ 450.00	\$ 5.00	\$ 150.00	\$ 14.00	\$ 420.00	\$ 5.00	\$ 150.00	\$ 8.00	\$ 240.00
611	30	Foot	8" Conduit, Type "C"	\$ 20.00	\$ 600.00	\$ 6.00	\$ 180.00	\$ 16.00	\$ 480.00	\$ 6.00	\$ 180.00	\$ 9.33	\$ 280.00
			SUBTOTAL		\$1,350.00		\$ 450.00		\$ 1,200.00		\$ 450.00		\$ 700.00
			PAVEMENT										
301	85	C.Y.	ASPHALT CONCRETE BASE	\$ 170.00	\$ 14,450.00	\$ 149.00	\$ 12,665.00	\$ 180.00	\$ 15,300.00	\$ 210.00	\$ 17,850.00	\$ 179.67	\$ 15,271.67
304	154	C.Y.	AGGREGATE BASE	\$ 55.00	\$ 8,470.00	\$ 54.00	\$ 8,316.00	\$ 65.00	\$ 10,010.00	\$ 75.00	\$ 11,550.00	\$ 64.67	\$ 9,958.67
407	39	GAL	TACK COAT	\$ 2.50	\$ 97.50	\$ 2.25	\$ 87.75	\$ 2.25	\$ 87.75	\$ 2.00	\$ 78.00	\$ 2.17	\$ 84.50
407	41	GAL	TACK COAT FOR INTERMEDIATE COURSE	\$ 2.50	\$ 102.50	\$ 2.25	\$ 92.25	\$ 2.25	\$ 92.25	\$ 2.00	\$ 82.00	\$ 2.17	\$ 88.83
441	68	C.Y.	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448)	\$ 200.00	\$ 13,600.00	\$ 151.00	\$ 10,268.00	\$ 170.00	\$ 11,560.00	\$ 210.00	\$ 14,280.00	\$ 177.00	\$ 12,036.00
441	41	C.Y.	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448) PG64-22	\$ 220.00	\$ 9,020.00	\$ 196.00	\$ 8,036.00	\$ 210.00	\$ 8,610.00	\$ 250.00	\$ 10,250.00	\$ 218.67	\$ 8,965.33
			SUBTOTAL		\$45,740.00		\$ 39,465.00		\$ 45,660.00		\$ 54,090.00		\$ 46,405.00
			TRAFFIC CONTROL										
626	9	EACH	BARRIER REFLECTORS, TYPE A2	\$ 10.00	\$ 90.00	\$ 6.30	\$ 56.70	\$ 6.24	\$ 56.16	\$ 7.00	\$ 63.00	\$ 6.51	\$ 58.62
642	0.19	MILE	EDGE LINE, 4 INCH TYPE 1	\$ 2,000.00	\$ 380.00	\$ 3,700.00	\$ 703.00	\$ 3,540.00	\$ 672.60	\$ 3,540.00	\$ 672.60	\$ 3,593.33	\$ 682.73
642	0.095	MILE	CENTER LINE, TYPE 1	\$ 2,000.00	\$ 190.00	\$ 7,800.00	\$ 741.00	\$ 7,452.63	\$ 708.00	\$ 7,080.00	\$ 672.60	\$ 7,444.21	\$ 707.20
			SUBTOTAL		\$660.00		\$ 1,500.70		\$ 1,436.76		\$ 1,408.20		\$ 1,448.55
			MAINTENANCE OF TRAFFIC										
614	LUMP	LUMP	MAINTAINING TRAFFIC	5,000.00	\$ 5,000.00	\$ 3,060.00	\$ 3,060.00	\$ 3,000.00	\$ 3,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,686.67	\$ 2,686.67
614	LUMP	LUMP	DETOUR SIGNING	7,000.00	\$ 7,000.00	\$ 2,170.00	\$ 2,170.00	\$ 5,130.00	\$ 5,130.00	\$ 5,000.00	\$ 5,000.00	\$ 4,100.00	\$ 4,100.00
			SUBTOTAL		\$12,000.00		\$ 5,230.00		\$ 8,130.00		\$ 7,000.00		\$ 6,786.67
			STRUCTURE										
202	LUMP	LUMP	PORTIONS OF STRUCTURE REMOVED	\$15,000.00	\$15,000.00	\$ 17,500.00	\$ 17,500.00	\$30,000.00	\$ 30,000.00	\$35,000.00	\$ 35,000.00	\$ 27,500.00	\$ 27,500.00
441	31	C.Y.	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448)	\$180.00	\$5,580.00	\$ 171.00	\$ 5,301.00	\$ 215.00	\$ 6,665.00	\$ 210.00	\$ 6,510.00	\$ 198.67	\$ 6,158.67
441	12	C.Y.	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448) PG64-22	\$220.00	\$2,640.00	\$ 255.00	\$ 3,060.00	\$ 210.00	\$ 2,520.00	\$ 250.00	\$ 3,000.00	\$ 238.33	\$ 2,860.00
503	LUMP	LUMP	UNCLASSIFIED EXCAVATION, AS PER PLAN	LUMP	\$4,850.00	\$ 20,400.00	\$ 20,400.00	\$ 26,500.00	\$ 26,500.00	\$ 20,000.00	\$ 20,000.00	\$ 22,300.00	\$ 22,300.00
505	LUMP	LUMP	PILE DRIVING EQUIPMENT MOBILIZATION	\$6,000.00	\$6,000.00	\$ 7,200.00	\$ 7,200.00	\$ 8,000.00	\$ 8,000.00	\$ 20,000.00	\$ 20,000.00	\$ 11,733.33	\$ 11,733.33
507	1000	FOOT	STEEL PILES HP 12X53, FURNISHED	\$40.00	\$40,000.00	\$ 23.00	\$ 23,000.00	\$ 30.00	\$ 30,000.00	\$ 23.00	\$ 23,000.00	\$ 25.33	\$ 25,333.33
507	900	FOOT	STEEL PILES HP 12X53, DRIVEN	\$10.00	\$9,000.00	\$ 6.00	\$ 5,400.00	\$ 6.00	\$ 5,400.00	\$ 2.00	\$ 1,800.00	\$ 4.67	\$ 4,200.00
509	7212	LBS	EPOXY COATED REINFORCING	\$1.50	\$10,818.00	\$ 1.18	\$ 8,510.16	\$ 1.32	\$ 9,519.84	\$ 1.50	\$ 10,818.00	\$ 1.33	\$ 9,616.00
510	14	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	\$60.00	\$840.00	\$ 23.00	\$ 322.00	\$ 30.00	\$ 420.00	\$ 20.00	\$ 280.00	\$ 24.33	\$ 340.67
511	78	C.Y.	CLASS QC1 CONCRETE, ABUTMENTS	\$500.00	\$39,000.00	\$ 419.00	\$ 32,682.00	\$ 475.00	\$ 37,050.00	\$ 425.00	\$ 33,150.00	\$ 439.67	\$ 34,294.00
512	50	S.Y.	SEALING OF CONCRETE SURFACES (EPOXY URETHANE)	\$25.00	\$1,250.00	\$ 35.70	\$ 1,785.00	\$ 32.00	\$ 1,600.00	\$ 9.00	\$ 450.00	\$ 25.57	\$ 1,278.33
512	286	S.Y.	TYPE 3 WATERPROOFING	\$30.00	\$8,580.00	\$ 30.60	\$ 8,751.60	\$ 35.00	\$ 10,010.00	\$ 30.00	\$ 8,580.00	\$ 31.87	\$ 9,113.87
515	7	EACH	PRESTRESSED CONCRETE NON-COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, B42-48, 88'-0" LONG	\$22,000.00	\$154,000.00	\$ 20,800.00	\$ 145,600.00	\$ 24,000.00	\$ 168,000.00	\$ 24,000.00	\$ 168,000.00	\$ 22,933.33	\$ 160,533.33
516	239	S.F.	1" PREFORMED EXPANSION JOINT FILLER	\$10.00	\$2,390.00	\$ 4.10	\$ 979.90	\$ 3.00	\$ 717.00	\$ 3.00	\$ 717.00	\$ 3.37	\$ 804.63
516	14	EACH	1/8" PREFORMED BEARING PADS (6"x12")	\$7.00	\$98.00	\$ 17.00	\$ 238.00	\$ 12.00	\$ 168.00	\$ 1.00	\$ 14.00	\$ 10.00	\$ 140.00
516	28	EACH	2"x6"x12" ELASTOMERIC BEARING W/INTERNAL LAMINATES ONLY	\$110.00	\$3,080.00	\$ 123.30	\$ 3,452.40	\$ 140.00	\$ 3,920.00	\$ 125.00	\$ 3,500.00	\$ 129.43	\$ 3,624.13
517	184	FOOT	RAILING, TWIN STEEL TUBE	\$180.00	\$33,120.00	\$ 114.00	\$ 20,976.00	\$ 111.98	\$ 20,604.32	\$ 111.25	\$ 20,470.00	\$ 112.41	\$ 20,683.44
518	57	C.Y.	POUROUS BACKFILL WITH FILTER FABRIC	\$70.00	\$3,990.00	\$ 53.00	\$ 3,021.00	\$ 55.00	\$ 3,135.00	\$ 70.00	\$ 3,990.00	\$ 59.33	\$ 3,382.00
518	163	FOOT	6" CORRUGATED POLYETHYLENE PIPE, INCLUDING SPECIALS	\$12.00	\$1,956.00	\$ 8.20	\$ 1,336.60	\$ 9.00	\$ 1,467.00	\$ 8.00	\$ 1,304.00	\$ 8.40	\$ 1,369.20
601	173	C.Y.	ROCK CHANNEL PROTECTION, TYPE B WITHOUT FILTER	\$75.00	\$12,975.00	\$ 71.00	\$ 12,283.00	\$ 100.00	\$ 17,300.00	\$ 90.00	\$ 15,570.00	\$ 87.00	\$ 15,051.00
626	6	EACH	BARRIER REFLECTORS, TYPE A2	\$10.00	\$60.00	\$ 6.30	\$ 37.80	\$ 6.24	\$ 37.44	\$ 7.00	\$ 42.00	\$ 6.51	\$ 39.08
SPECIAL	168	FOOT	STAINLESS STEEL DRIP STRIP	\$20.00	\$3,360.00	\$ 14.50	\$ 2,436.00	\$ 12.00	\$ 2,016.00	\$ 9.00	\$ 1,512.00	\$ 11.83	\$ 1,988.00
			SUBTOTAL		\$358,587.00		\$ 324,272.46		\$ 385,049.60		\$ 377,707.00		\$ 362,343.02
			INCIDENTALS										
619	4	MONTH	FIELD OFFICE, TYPE A	\$ 1,000.00	\$ 4,000.00	\$ 100.00	\$ 400.00	\$ 1,200.00	\$ 4,800.00	\$ 100.00	\$ 400.00	\$ 466.67	\$ 1,866.67
623	LUMP	LUMP	CONSTRUCTION LAYOUT STAKES AND SURVEYING	\$ 3,000.00	\$ 3,000.00	\$ 1,530.00	\$ 1,530.00	\$ 3,000.00	\$ 3,000.00	\$ 2,500.00	\$ 2,500.00	\$ 2,343.33	\$ 2,343.33
624	LUMP	LUMP	MOBILIZATION	\$ 10,000.00	\$ 10,000.00	\$ 13,826.24	\$ 13,826.24	\$ 20,000.00	\$ 20,000.00	\$ 30,000.00	\$ 30,000.00	\$ 21,275.41	\$ 21,275.41
SPECIAL	LUMP	LUMP	PREMIUM FOR CONTRACT PERFORMANCE AND MAINTENANCE GUARANTEE BOND	\$ 5,000.00	\$ 5,000.00	\$ 4,325.00	\$ 4,325.00	\$ 3,500.00	\$ 3,500.00	\$ 7,000.00	\$ 7,000.00	\$ 4,941.67	\$ 4,941.67
			SUBTOTAL		\$22,000.00		\$ 20,081.24		\$ 31,300.00		\$ 39,900.00		\$ 30,427.08
			GRAND TOTAL		\$503,614.00		\$440,500.00		\$526,754.46		\$52		