

SHAFER, KLINE & WARREN, INC.
3200 Penn Terrace, Suite 100
Columbia, MO 65202
(573) 442-4537

Lincoln County, MO
Quarry Road
Bridge No. 1820033
Bid Date: April 19, 2016

				ENGINEER'S ESTIMATE		Bleigh Construction Company P.O. Box 957 Hannibal, MO 63401		Magruder Construction Co., Inc. 243 West Outer Rd. Eolia, MO 63344		Boone Construction Co. 5611 Brown Station Road Columbia, MO 65202		C & C Bridge & Concrete, Inc. 2124 Riverview Lane Pilot Grove, MO 65276	
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
ROADWAY ITEMS													
1	Clearing & Grubbing (Approx 0.4 Acres)	L.S.	1	\$4,000.00	\$4,000.00	\$2,300.00	\$2,300.00	\$2,600.00	\$2,600.00	\$4,500.00	\$4,500.00	\$5,000.00	\$5,000.00
2	Removal of Existing Improvements	L.S.	1	\$10,000.00	\$10,000.00	\$12,100.00	\$12,100.00	\$3,500.00	\$3,500.00	\$4,000.00	\$4,000.00	\$7,500.00	\$7,500.00
3	Embankment in Place	C.Y.	10,385	\$9.00	\$93,465.00	\$14.00	\$145,390.00	\$13.00	\$135,005.00	\$12.50	\$129,812.50	\$9.00	\$93,465.00
4	4" Crushed Stone Base (Type 1)	S.Y.	2,130	\$6.00	\$12,780.00	\$4.50	\$9,585.00	\$5.00	\$10,650.00	\$5.50	\$11,715.00	\$15.00	\$31,950.00
5	4" Crushed Stone Surface (Entrances)	S.Y.	272	\$6.00	\$1,632.00	\$8.60	\$2,339.20	\$3.00	\$816.00	\$2.75	\$748.00	\$10.00	\$2,720.00
6	4" Plant mix Bituminous Base	S.Y.	2,130	\$18.00	\$38,340.00	\$20.00	\$42,600.00	\$11.00	\$23,430.00	\$15.00	\$31,950.00	\$15.00	\$31,950.00
7	1.5" Plant Mix Bituminous Pavement (BP-1)	S.Y.	2,130	\$12.00	\$25,560.00	\$7.50	\$15,975.00	\$17.00	\$36,210.00	\$10.00	\$21,300.00	\$15.00	\$31,950.00
8	Modified Approach Slab	S.Y.	133	\$225.00	\$29,925.00	\$157.00	\$20,881.00	\$201.00	\$26,733.00	\$235.00	\$31,255.00	\$250.00	\$33,250.00
9	Type A Guard Rail	L.F.	175	\$40.00	\$7,000.00	\$23.00	\$4,025.00	\$20.00	\$3,500.00	\$30.00	\$5,250.00	\$30.00	\$5,250.00
10	Guardrail Transition Section	EACH	4	\$500.00	\$2,000.00	\$550.00	\$2,200.00	\$500.00	\$2,000.00	\$635.00	\$2,540.00	\$260.00	\$1,040.00
11	Type A Crashworthy End Terminal	EACH	4	\$2,500.00	\$10,000.00	\$2,500.00	\$10,000.00	\$2,250.00	\$9,000.00	\$2,000.00	\$8,000.00	\$2,500.00	\$10,000.00
12	Fence	L.F.	313	\$8.00	\$2,504.00	\$20.00	\$6,260.00	\$14.00	\$4,382.00	\$11.00	\$3,443.00	\$10.00	\$3,130.00
13	Mobilization	L.S.	1	\$45,000.00	\$45,000.00	\$43,000.00	\$43,000.00	\$27,000.00	\$27,000.00	\$53,000.00	\$53,000.00	\$40,000.00	\$40,000.00
14	Aluminized Steel Pipe (24" Dia.)	L.F.	60	\$50.00	\$3,000.00	\$68.00	\$4,080.00	\$44.00	\$2,640.00	\$41.00	\$2,460.00	\$50.00	\$3,000.00
15	Seeding (includes Fertilizing & Mulching)	ACRE	1	\$3,000.00	\$3,300.00	\$3,000.00	\$3,300.00	\$4,700.00	\$5,170.00	\$1,800.00	\$1,980.00	\$5,000.00	\$5,500.00
16	Ditch Checks	EACH	8	\$125.00	\$1,000.00	\$170.00	\$1,360.00	\$160.00	\$1,280.00	\$200.00	\$1,600.00	\$350.00	\$2,800.00
17	Silt Fence	L.F.	1,051	\$3.00	\$3,153.00	\$2.30	\$2,417.30	\$3.00	\$3,153.00	\$2.50	\$2,627.50	\$4.00	\$4,204.00
SUBTOTAL ROADWAY				\$292,659.00		\$327,812.50		\$297,069.00		\$316,181.00		\$312,709.00	
SIGNING ITEMS													
18	Type III Moveable Barricades	EACH	6	\$375.00	\$2,250.00	\$150.00	\$900.00	\$75.00	\$450.00	\$76.00	\$456.00	\$250.00	\$1,500.00
19	Construction Signs	EACH	7	\$200.00	\$1,400.00	\$150.00	\$1,050.00	\$100.00	\$700.00	\$81.00	\$567.00	\$150.00	\$1,050.00
SUBTOTAL SIGNING				\$3,650.00		\$1,950.00		\$1,150.00		\$1,023.00		\$2,550.00	
BRIDGE ITEMS													
20	Excavation for Structures	C.Y.	60	\$50.00	\$3,000.00	\$38.00	\$2,280.00	\$30.00	\$1,800.00	\$50.00	\$3,000.00	\$25.00	\$1,500.00
21	Removal of Existing Bridge	L.S.	1	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$10,250.00	\$10,250.00	\$14,000.00	\$14,000.00	\$15,000.00	\$15,000.00
22	Type 2 Rock Blanket	C.Y.	596	\$50.00	\$29,800.00	\$49.00	\$29,204.00	\$46.00	\$27,416.00	\$51.00	\$30,396.00	\$50.00	\$29,800.00
23	Geotextile Fabric	S.Y.	879	\$3.00	\$2,637.00	\$2.10	\$1,845.90	\$3.00	\$2,637.00	\$1.75	\$1,538.25	\$3.00	\$2,637.00
24	HP 10X42 Structural Steel Piles	L.F.	165	\$60.00	\$9,900.00	\$54.00	\$8,910.00	\$57.00	\$9,405.00	\$65.00	\$10,725.00	\$70.00	\$11,550.00
25	Pile Point Reinforcement	EACH	10	\$125.00	\$1,250.00	\$130.00	\$1,300.00	\$110.00	\$1,100.00	\$135.00	\$1,350.00	\$150.00	\$1,500.00
26	Prebore Piling	L.F.	17	\$200.00	\$3,400.00	\$200.00	\$3,400.00	\$200.00	\$3,400.00	\$350.00	\$5,950.00	\$1,500.00	\$25,500.00
27	Class B-2 Concrete	C.Y.	25	\$650.00	\$16,250.00	\$600.00	\$15,000.00	\$813.00	\$20,325.00	\$640.00	\$16,000.00	\$700.00	\$17,500.00
28	Slab on Concrete NU-Girder	S.Y.	272	\$250.00	\$68,000.00	\$290.00	\$78,880.00	\$339.00	\$92,208.00	\$360.00	\$97,920.00	\$300.00	\$81,600.00
29	Prestressed Concrete NU53 Girders (98'-6")	EACH	3	\$27,000.00	\$81,000.00	\$21,700.00	\$65,100.00	\$25,900.00	\$77,700.00	\$22,500.00	\$67,500.00	\$27,000.00	\$81,000.00
30	SL-1 Rail on Bridge	L.F.	250	\$55.00	\$13,750.00	\$53.00	\$13,250.00	\$54.00	\$13,500.00	\$56.00	\$14,000.00	\$48.00	\$12,000.00
31	Vertical Drains at End Bents	EACH	2	\$1,750.00	\$3,500.00	\$1,400.00	\$2,800.00	\$2,150.00	\$4,300.00	\$2,035.00	\$4,070.00	\$1,000.00	\$2,000.00
32	Plain Neoprene Bearing Pads	EACH	6	\$120.00	\$720.00	\$240.00	\$1,440.00	\$250.00	\$1,500.00	\$220.00	\$1,320.00	\$200.00	\$1,200.00
SUBTOTAL BRIDGE				\$238,207.00		\$233,409.90		\$265,541.00		\$267,769.25		\$282,787.00	
TOTAL CONTRACTOR				\$534,516.00		\$563,172.40		\$563,760.00		\$584,973.25		\$598,046.00	

CALENDER DAYS = 120

LIQUIDATED DAMAGES = \$700 PER DAY **As Read Bid for C & C Bridge & Concrete, Inc. had Clerical Errors Read As \$93,456.00 and Correct amount \$93,465 for item 3.**