

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

Lincoln County, MO
 2015 Flood Damage-Bridge Repair
 Contract 5
 Bridge No.:
 2160006 - FRENCHMAN BLUFF RD;
 1960022 - HILL CREEK RD;
 2980007 - HAMPEL RD;
 2940011 - SUGAR GROVE RD;
 2960016 - ADELHARDT RD;
 2980009 - HAMPEL RD;
 2920016 - MYERS RD.
 Bid Date: August 1, 2016

				ENGINEER'S ESTIMATE		Travis Hodge Hauling, LLC P.O. Box 8 1064 Lake Ozark, MO 635049		Kuesel Excavating Company, Inc. 854 Lone Star Dr. O'Fallon, MO 63366		L. Keeley Construction Company 500 S. Ewing Avauue, Suite G St. Louis, MO 63103	
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
BRIDGE NO. 2160006 - FRENCHMAN BLUFF RD											
1	Removal of Improvements	L.S.	1	\$3,000.00	\$3,000.00	\$1,725.00	\$1,725.00	\$1,600.00	\$1,600.00	\$4,000.00	\$4,000.00
2	MoDOT Type 2 Rock Blanket	C.Y.	12	\$150.00	\$1,800.00	\$172.50	\$2,070.00	\$125.00	\$1,500.00	\$200.00	\$2,400.00
3	Traffic Control	L.S.	1	\$3,000.00	\$3,000.00	\$1,725.00	\$1,725.00	\$1,400.00	\$1,400.00	\$1,000.00	\$1,000.00
4	Mobilization	L.S.	1	\$1,600.00	\$1,600.00	\$2,300.00	\$2,300.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
5	Class B-1 Concrete (Flowable Fill)	C.Y.	7	\$800.00	\$5,600.00	\$750.00	\$5,250.00	\$1,600.00	\$11,200.00	\$800.00	\$5,600.00
6	Seeding (Includes Fertilizer & Mulch)	ACRES	0.02	\$10,000.00	\$200.00	\$69,000.00	\$1,380.00	\$25,000.00	\$500.00	\$100,000.00	\$2,000.00
2160006 Subtotal				\$15,200.00		\$14,450.00		\$17,700.00		\$16,500.00	

BRIDGE NO. 1960022 - HILL CREEK RD											
1	Removal of Improvements	L.S.	1	\$5,000.00	\$5,000.00	\$4,025.00	\$4,025.00	\$3,500.00	\$3,500.00	\$6,000.00	\$6,000.00
2	Embankment in Place	C.Y.	14	\$75.00	\$1,050.00	\$57.00	\$798.00	\$75.00	\$1,050.00	\$100.00	\$1,400.00
3	Cofferdam	L.F.	75	\$100.00	\$7,500.00	\$17.00	\$1,275.00	\$125.00	\$9,375.00	\$230.00	\$17,250.00
4	Water Pump	L.S.	2	\$500.00	\$1,000.00	\$690.00	\$1,380.00	\$500.00	\$1,000.00	\$1,200.00	\$2,400.00
5	Rock Fill (Scour Hole)	C.Y.	30	\$60.00	\$1,800.00	\$80.00	\$2,400.00	\$70.00	\$2,100.00	\$75.00	\$2,250.00
6	Guardrail Rehabilitation	L.F.	75	\$50.00	\$3,750.00	\$57.00	\$4,275.00	\$34.00	\$2,550.00	\$75.00	\$5,625.00
7	Guardrail Post	EA.	3	\$40.00	\$120.00	\$460.00	\$1,380.00	\$450.00	\$1,350.00	\$800.00	\$2,400.00
8	Rock Blanket (Remove/Replace)	C.Y.	15	\$100.00	\$1,500.00	\$46.00	\$690.00	\$73.00	\$1,095.00	\$150.00	\$2,250.00
9	Traffic Control	L.S.	1	\$3,000.00	\$3,000.00	\$1,150.00	\$1,150.00	\$1,400.00	\$1,400.00	\$1,000.00	\$1,000.00
10	Mobilization	L.S.	1	\$4,000.00	\$4,000.00	\$2,300.00	\$2,300.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
11	Class B-1 Concrete	C.Y.	19	\$800.00	\$15,200.00	\$632.00	\$12,008.00	\$1,050.00	\$19,950.00	\$800.00	\$15,200.00
12	Reinforcing Steel (Grade 60)	LBS	700	\$3.00	\$2,100.00	\$5.00	\$3,500.00	\$2.50	\$1,750.00	\$5.00	\$3,500.00
13	Silt Fence	L.F.	50	\$3.00	\$150.00	\$5.00	\$250.00	\$5.50	\$275.00	\$5.00	\$250.00
14	Seeding (Includes Fertilizer & Mulch)	ACRES	0.02	\$10,000.00	\$200.00	\$69,000.00	\$1,380.00	\$25,000.00	\$500.00	\$100,000.00	\$2,000.00
1960022 Subtotal				\$46,370.00		\$36,811.00		\$47,395.00		\$63,025.00	

BRIDGE NO. 2980007 - HAMPEL RD											
1	Removal of Improvements	L.S.	1	\$3,000.00	\$3,000.00	\$1,150.00	\$1,150.00	\$1,300.00	\$1,300.00	\$5,000.00	\$5,000.00
2	Removal of Debris	L.S.	1	\$1,000.00	\$1,000.00	\$1,150.00	\$1,150.00	\$1,500.00	\$1,500.00	\$4,000.00	\$4,000.00
3	Embankment in Place	C.Y.	40	\$50.00	\$2,000.00	\$69.00	\$2,760.00	\$55.00	\$2,200.00	\$30.00	\$1,200.00
4	MoDOT Type 2 Rock Blanket	C.Y.	150	\$75.00	\$11,250.00	\$80.00	\$12,000.00	\$50.00	\$7,500.00	\$50.00	\$7,500.00
5	Traffic Control	L.S.	1	\$3,000.00	\$3,000.00	\$1,150.00	\$1,150.00	\$1,400.00	\$1,400.00	\$1,000.00	\$1,000.00
6	Mobilization	L.S.	1	\$2,500.00	\$2,500.00	\$2,300.00	\$2,300.00	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00
7	Geotextile Fabric	S.Y.	300	\$3.00	\$900.00	\$5.50	\$1,650.00	\$3.20	\$960.00	\$3.00	\$900.00
8	Class B-1 Concrete (Flowable Fill)	C.Y.	4	\$800.00	\$3,200.00	\$750.00	\$3,000.00	\$1,600.00	\$6,400.00	\$800.00	\$3,200.00
9	Seeding (Includes Fertilizer & Mulch)	ACRES	0.02	\$10,000.00	\$200.00	\$69,000.00	\$1,380.00	\$25,000.00	\$500.00	\$100,000.00	\$2,000.00
2980007 Subtotal				\$27,050.00		\$26,540.00		\$23,260.00		\$25,800.00	

BRIDGE NO. 2940011 - SUGAR GROVE RD											
1	Removal of Improvements	L.S.	1	\$3,000.00	\$3,000.00	\$1,150.00	\$1,150.00	\$650.00	\$650.00	\$2,500.00	\$2,500.00
2	Embankment in Place	C.Y.	8	\$100.00	\$800.00	\$69.00	\$552.00	\$135.00	\$1,080.00	\$100.00	\$800.00
3	Rock Fill (South Abutment)	C.Y.	12	\$60.00	\$720.00	\$80.00	\$960.00	\$70.00	\$840.00	\$100.00	\$1,200.00
4	MoDOT Type 2 Rock Blanket (North Abutment)	C.Y.	60	\$150.00	\$9,000.00	\$80.00	\$4,800.00	\$70.00	\$4,200.00	\$58.00	\$3,480.00
5	Traffic Control	L.S.	1	\$3,000.00	\$3,000.00	\$1,150.00	\$1,150.00	\$1,400.00	\$1,400.00	\$1,000.00	\$1,000.00
6	Mobilization	L.S.	1	\$1,000.00	\$1,000.00	\$2,300.00	\$2,300.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
7	Geotextile Fabric (North Abutment)	S.Y.	180	\$3.00	\$540.00	\$5.50	\$990.00	\$3.75	\$675.00	\$3.00	\$540.00
8	Seeding (Includes Fertilizer & Mulch)	ACRES	0.02	\$10,000.00	\$200.00	\$69,000.00	\$1,380.00	\$25,000.00	\$500.00	\$100,000.00	\$2,000.00
2940011 Subtotal				\$18,260.00		\$13,282.00		\$10,345.00		\$12,520.00	

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ITEM	DESCRIPTION	UNIT	QUANTITY	ENGINEER'S ESTIMATE		Travis Hodge Hauling, LLC P.O. Box 8 1064 Lake Ozark, MO 635049		Kuesel Excavating Company, Inc. 854 Lone Star Dr. O'Fallon, MO 63366		L. Keeley Construction Company 500 S. Ewing Avauue, Suite G St. Louis, MO 63103	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
BRIDGE NO. 2960016 - ADELHARDT RD											
1	Removal of Improvements	L.S.	1	\$3,000.00	\$3,000.00	\$1,150.00	\$1,150.00	\$2,600.00	\$2,600.00	\$3,000.00	\$3,000.00
2	Embankment in Place	C.Y.	13	\$100.00	\$1,300.00	\$57.00	\$741.00	\$75.00	\$975.00	\$100.00	\$1,300.00
3	Cofferdam	L.F.	70	\$100.00	\$7,000.00	\$23.00	\$1,610.00	\$125.00	\$8,750.00	\$200.00	\$14,000.00
4	Water Pump	L.S.	1	\$500.00	\$500.00	\$1,150.00	\$1,150.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00
5	MoDOT Type 2 Rock Blanket	C.Y.	80	\$75.00	\$6,000.00	\$80.00	\$6,400.00	\$67.00	\$5,360.00	\$50.00	\$4,000.00
6	Traffic Control	L.S.	1	\$3,000.00	\$3,000.00	\$1,150.00	\$1,150.00	\$1,400.00	\$1,400.00	\$1,000.00	\$1,000.00
7	Mobilization	L.S.	1	\$2,500.00	\$2,500.00	\$2,300.00	\$2,300.00	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00
8	Geotextile Fabric	S.Y.	160	\$3.00	\$480.00	\$5.50	\$880.00	\$3.10	\$496.00	\$3.00	\$480.00
9	Class B-1 Concrete	C.Y.	6	\$800.00	\$4,800.00	\$690.00	\$4,140.00	\$1,900.00	\$11,400.00	\$800.00	\$4,800.00
10	Reinforcing Steel (Grade 60)	LBS	300	\$3.00	\$900.00	\$5.50	\$1,650.00	\$3.75	\$1,125.00	\$8.00	\$2,400.00
11	Silt Fence	L.F.	70	\$3.00	\$210.00	\$5.00	\$350.00	\$5.00	\$350.00	\$5.00	\$350.00
12	Seeding (Includes Fertilizer & Mulch)	ACRES	0.02	\$10,000.00	\$200.00	\$69,000.00	\$1,380.00	\$25,000.00	\$500.00	\$100,000.00	\$2,000.00
2960016 Subtotal				\$29,890.00		\$22,901.00		\$34,956.00		\$35,830.00	
BRIDGE NO. 2980009 - HAMPEL RD											
1	Removal of Improvements	L.S.	1	\$4,000.00	\$4,000.00	\$1,150.00	\$1,150.00	\$1,200.00	\$1,200.00	\$3,000.00	\$3,000.00
2	Removal of Debris	L.S.	1	\$2,000.00	\$2,000.00	\$1,150.00	\$1,150.00	\$1,300.00	\$1,300.00	\$3,000.00	\$3,000.00
3	Embankment in Place	C.Y.	42	\$50.00	\$2,100.00	\$57.00	\$2,394.00	\$55.00	\$2,310.00	\$30.00	\$1,260.00
4	MoDOT Type 2 Rock Blanket	C.Y.	169	\$75.00	\$12,675.00	\$80.00	\$13,520.00	\$55.00	\$9,295.00	\$70.00	\$11,830.00
5	Traffic Control	L.S.	1	\$3,000.00	\$3,000.00	\$1,150.00	\$1,150.00	\$1,400.00	\$1,400.00	\$1,000.00	\$1,000.00
6	Mobilization	L.S.	1	\$3,000.00	\$3,000.00	\$2,300.00	\$2,300.00	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00
7	Geotextile Fabric	S.Y.	320	\$3.00	\$960.00	\$5.50	\$1,760.00	\$3.10	\$992.00	\$3.00	\$960.00
8	Class B-1 Concrete (Flowable Fill)	C.Y.	4	\$800.00	\$3,200.00	\$750.00	\$3,000.00	\$1,900.00	\$7,600.00	\$1,000.00	\$4,000.00
9	Seeding (Includes Fertilizer & Mulch)	ACRES	0.02	\$10,000.00	\$200.00	\$69,000.00	\$1,380.00	\$25,000.00	\$500.00	\$100,000.00	\$2,000.00
2980009 Subtotal				\$31,135.00		\$27,804.00		\$26,097.00		\$28,050.00	
BRIDGE NO. 2920016 - MYERS RD											
1	Removal of Improvements	L.S.	1	\$3,000.00	\$3,000.00	\$2,300.00	\$2,300.00	\$1,300.00	\$1,300.00	\$4,000.00	\$4,000.00
2	Removal of Debris	L.S.	1	\$2,000.00	\$2,000.00	\$3,450.00	\$3,450.00	\$650.00	\$650.00	\$4,000.00	\$4,000.00
3	Embankment in Place	C.Y.	80	\$50.00	\$4,000.00	\$57.00	\$4,560.00	\$48.00	\$3,840.00	\$30.00	\$2,400.00
4	MoDOT Type 2 Rock Blanket	C.Y.	304	\$75.00	\$22,800.00	\$65.00	\$19,760.00	\$48.00	\$14,592.00	\$40.00	\$12,160.00
5	Traffic Control	L.S.	1	\$3,000.00	\$3,000.00	\$2,300.00	\$2,300.00	\$1,400.00	\$1,400.00	\$1,000.00	\$1,000.00
6	Mobilization	L.S.	1	\$3,000.00	\$3,000.00	\$2,300.00	\$2,300.00	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00
7	Geotextile Fabric	S.Y.	550	\$3.00	\$1,650.00	\$5.00	\$2,750.00	\$3.10	\$1,705.00	\$3.00	\$1,650.00
8	Class B-1 Concrete (Flowable Fill)	C.Y.	3	\$800.00	\$2,400.00	\$750.00	\$2,250.00	\$2,000.00	\$6,000.00	\$1,000.00	\$3,000.00
9	Seeding (Includes Fertilizer & Mulch)	ACRES	0.02	\$10,000.00	\$200.00	\$69,000.00	\$1,380.00	\$25,000.00	\$500.00	\$100,000.00	\$2,000.00
2920016 Subtotal				\$42,050.00		\$41,050.00		\$31,487.00		\$31,210.00	
Total Contractor				\$209,955.00		\$182,838.00		\$191,240.00		\$212,935.00	

CALENDER DAYS = 75

LIQUIDATED DAMAGES = \$500 PER DAY