

Project: Romaine Creek Road Bridge Replacement
 Federal Project #: BRM-5403 (654)
 Bid Opening Date: May 24, 2016
 Engineer's Estimate: \$297,000.00

				Engineer's Estimate		Gershenson Construction Co. Inc. 2 Truitt Dr. Eureka, MO 63025		L. Keeley Construction 500 S Ewing Ave St. Louis, MO 63131		United Bridge Builders, Inc. PO Box 510648 St. Louis, MO 63151		N.B. West Contracting 2780 MARY AVE ST. LOUIS, MO 63144		Spencer Contracting Co. 3073 Arnold Tenbrook Rd Arnold, MO 63010		Kozeny-Wagner, Inc. 951 West Outer Road Arnold, MO 63010		Structural Assurance 1804 Owen Court #16 Mansfield, TX 76063	
Item No.	Item Description	Unit	Quantity	Unit Cost	Amount	Unit Cost	Amount	Unit Cost	Amount	Unit Cost	Amount	Unit Cost	Amount	Unit Cost	Amount	Unit Cost	Amount	Unit Cost	Amount
ROADWAY ITEMS																			
2013000	Clearing and Grubbing	AC	0.4	\$8,000.00	\$ 3,200.00	\$12,000.00	\$ 4,800.00	\$2,720.00	\$ 1,088.00	\$19,000.00	\$ 7,600.00	\$10,000.00	\$ 4,000.00	\$9,487.00	\$ 3,794.80	\$22,500.00	\$ 9,000.00	\$17,805.00	\$ 7,122.00
2022010	Removal of Improvements	LS	1	\$7,000.00	\$ 7,000.00	\$7,500.00	\$ 7,500.00	\$4,030.00	\$ 4,030.00	\$5,200.00	\$ 5,200.00	\$14,150.00	\$ 9,568.00	\$9,568.00	\$ 9,568.00	\$16,000.00	\$ 16,000.00	\$5,725.00	\$ 5,725.00
2031000	Class A Excavation	CY	209	\$13.00	\$ 2,717.00	\$21.00	\$ 4,389.00	\$16.20	\$ 3,385.80	\$17.00	\$ 3,553.00	\$26.00	\$ 5,434.00	\$13.21	\$ 2,760.89	\$38.00	\$ 7,942.00	\$24.00	\$ 5,016.00
2035500	Embankment in Place	CY	270	\$17.50	\$ 4,725.00	\$13.50	\$ 3,645.00	\$10.40	\$ 2,808.00	\$27.00	\$ 7,290.00	\$12.00	\$ 3,240.00	\$29.20	\$ 7,884.00	\$27.00	\$ 7,290.00	\$10.00	\$ 2,700.00
2051010	Modified Subgrade	SY	10	\$25.00	\$ 250.00	\$50.00	\$ 500.00	\$143.00	\$ 1,430.00	\$82.00	\$ 820.00	\$80.00	\$ 800.00	\$29.20	\$ 788.40	\$21.50	\$ 215.00	\$115.00	\$ 1,150.00
3040504	Type 5 Aggregate for Base (4" Thick)(Roadway)	SY	797	\$5.50	\$ 4,383.50	\$7.00	\$ 5,579.00	\$5.05	\$ 4,024.85	\$7.60	\$ 6,057.20	\$6.00	\$ 4,782.00	\$4.35	\$ 3,466.95	\$11.50	\$ 9,165.50	\$32.00	\$ 25,504.00
3040504	Type 5 Aggregate for Base (14" Thick)(Beyond Shoulders)	SY	142	\$6.00	\$ 852.00	\$20.00	\$ 2,840.00	\$27.70	\$ 3,933.40	\$22.00	\$ 3,124.00	\$40.00	\$ 5,680.00	\$19.57	\$ 2,778.94	\$35.00	\$ 4,970.00	\$64.00	\$ 9,088.00
4011209	Bituminous Pavement Mixture PG64-22, (BP-1)(Driving Lanes & Shoulders)	TON	89.30	\$75.00	\$ 6,697.50	\$100.00	\$ 8,930.00	\$88.00	\$ 7,858.40	\$165.00	\$ 14,734.50	\$160.00	\$ 14,288.00	\$97.17	\$ 8,677.28	\$157.00	\$ 14,020.10	\$184.00	\$ 16,431.20
4011209	Bituminous Pavement Mixture PG64-22, (BP-1)(Private Driveways)	TON	7	\$90.00	\$ 630.00	\$180.00	\$ 1,260.00	\$327.00	\$ 2,289.00	\$204.00	\$ 1,428.00	\$200.00	\$ 1,400.00	\$123.05	\$ 861.35	\$194.00	\$ 1,358.00	\$253.00	\$ 1,771.00
4013000	Bituminous Pavement Mixture PG64-22, (Base)(Driving Lanes & Shoulders)	TON	376.80	\$75.00	\$ 28,260.00	\$74.00	\$ 27,883.20	\$80.75	\$ 30,426.60	\$83.00	\$ 31,274.40	\$80.00	\$ 30,144.00	\$80.67	\$ 30,396.46	\$79.00	\$ 29,767.20	\$92.00	\$ 34,665.60
6061010	Guardrail Type A	LF	190	\$22.00	\$ 4,180.00	\$20.00	\$ 3,800.00	\$22.40	\$ 4,256.00	\$20.00	\$ 3,800.00	\$22.00	\$ 4,180.00	\$23.00	\$ 4,370.00	\$20.00	\$ 3,800.00	\$22.00	\$ 4,180.00
6063015	Type A Crashworthy End Terminal (25')	EA	4	\$2,000.00	\$ 8,000.00	\$2,000.00	\$ 8,000.00	\$2,240.00	\$ 8,960.00	\$2,000.00	\$ 8,000.00	\$2,200.00	\$ 8,800.00	\$2,300.00	\$ 9,200.00	\$2,000.00	\$ 8,000.00	\$2,415.00	\$ 9,660.00
6096030A	Furnishing Type 3 Rock Ditch Liner	CY	9	\$35.00	\$ 315.00	\$50.00	\$ 450.00	\$57.25	\$ 515.25	\$47.00	\$ 423.00	\$46.00	\$ 414.00	\$46.00	\$ 414.00	\$40.00	\$ 360.00	\$137.00	\$ 1,233.00
6096043	Placing Type 3 Rock Ditch Liner	CY	9	\$90.00	\$ 810.00	\$50.00	\$ 450.00	\$64.00	\$ 576.00	\$96.00	\$ 864.00	\$30.00	\$ 270.00	\$81.78	\$ 736.02	\$40.00	\$ 360.00	\$165.00	\$ 1,485.00
6113020	Furnishing Type 2 Rock Blanket	CY	51	\$32.00	\$ 1,632.00	\$43.50	\$ 2,219.50	\$25.50	\$ 1,300.50	\$50.00	\$ 2,550.00	\$44.00	\$ 2,244.00	\$36.53	\$ 1,863.03	\$46.00	\$ 2,346.00	\$91.00	\$ 864.00
6113040	Placing Type 2 Rock Blanket	CY	51	\$25.00	\$ 1,275.00	\$32.00	\$ 1,632.00	\$45.00	\$ 2,295.00	\$34.00	\$ 1,734.00	\$20.00	\$ 1,020.00	\$29.76	\$ 1,517.76	\$89.00	\$ 4,539.00	\$90.00	\$ 4,590.00
6143013	Manhole Frame and Cover, Type 3	EA	1	\$500.00	\$ 500.00	\$200.00	\$ 200.00	\$1,140.00	\$ 1,140.00	\$1,600.00	\$ 1,600.00	\$400.00	\$ 400.00	\$678.50	\$ 678.50	\$725.00	\$ 725.00	\$518.00	\$ 518.00
6181000	Mobilization	LS	1	\$30,000.00	\$ 30,000.00	\$22,990.80	\$ 22,990.80	\$15,675.00	\$ 15,675.00	\$31,000.00	\$ 31,000.00	\$26,615.00	\$ 26,615.00	\$15,175.00	\$ 15,175.00	\$59,900.00	\$ 59,900.00	\$78,062.00	\$ 78,062.00
6274000	Contractor Furnish Surveying and Staking	LS	1	\$7,000.00	\$ 7,000.00	\$3,200.00	\$ 3,200.00	\$2,750.00	\$ 2,750.00	\$5,500.00	\$ 5,500.00	\$2,500.00	\$ 2,500.00	\$3,450.00	\$ 3,450.00	\$3,500.00	\$ 3,500.00	\$8,625.00	\$ 8,625.00
7250318A	18 In. Corrugated Metal Pipe	LF	35	\$60.00	\$ 2,100.00	\$50.00	\$ 1,750.00	\$41.00	\$ 1,435.00	\$55.00	\$ 1,925.00	\$72.00	\$ 2,520.00	\$35.00	\$ 1,225.00	\$55.00	\$ 1,925.00	\$175.00	\$ 6,125.00
7265436	24 In. Class V Reinforced Concrete Pipe Culvert	LF	50	\$125.00	\$ 6,250.00	\$60.00	\$ 3,000.00	\$68.00	\$ 3,400.00	\$76.00	\$ 3,800.00	\$96.00	\$ 4,800.00	\$89.60	\$ 4,480.00	\$84.00	\$ 4,200.00	\$169.00	\$ 8,450.00
7310048	Precast Concrete Manhole - 48 In.	EA	5	\$400.00	\$ 2,000.00	\$550.00	\$ 2,750.00	\$44.00	\$ 220.00	\$359.00	\$ 1,795.00	\$700.00	\$ 3,500.00	\$586.50	\$ 2,932.50	\$700.00	\$ 3,500.00	\$573.00	\$ 2,865.00
7320024A	24 In. Concrete Flared End Section	EA	1	\$1,500.00	\$ 1,500.00	\$1,700.00	\$ 1,700.00	\$680.00	\$ 680.00	\$550.00	\$ 550.00	\$1,500.00	\$ 1,500.00	\$970.60	\$ 970.60	\$2,950.00	\$ 2,950.00	\$1,935.00	\$ 1,935.00
8051000	Seeding and Mulching	AC	0.4	\$5,000.00	\$ 2,000.00	\$10,500.00	\$ 4,200.00	\$11,800.00	\$ 4,720.00	\$10,500.00	\$ 4,200.00	\$12,000.00	\$ 4,800.00	\$10,896.25	\$ 4,358.50	\$10,500.00	\$ 4,200.00	\$1,790.00	\$ 716.00
8061019	Silt Fence	LF	861	\$3.50	\$ 3,013.50	\$3.00	\$ 2,583.00	\$4.20	\$ 3,616.20	\$2.90	\$ 2,496.90	\$2.00	\$ 1,722.00	\$5.06	\$ 4,356.66	\$3.20	\$ 2,755.20	\$2.00	\$ 1,722.00
8061021	Type I Ditch Check	EA	3	\$200.00	\$ 600.00	\$165.00	\$ 495.00	\$470.00	\$ 1,410.00	\$165.00	\$ 495.00	\$125.00	\$ 375.00	\$460.00	\$ 1,380.00	\$325.00	\$ 975.00	\$288.00	\$ 864.00
8064130	Type 3 Turf Reinforcement Mat	SY	176	\$80.00	\$ 14,080.00	\$7.50	\$ 1,320.00	\$10.00	\$ 1,760.00	\$7.50	\$ 1,320.00	\$8.00	\$ 1,408.00	\$10.93	\$ 1,923.68	\$7.50	\$ 1,320.00	\$10.00	\$ 1,760.00
8080299	Live Stakes (Black Willow Species)	EA	1437	\$3.00	\$ 4,311.00	\$6.50	\$ 9,340.50	\$22.40	\$ 32,188.80	\$6.50	\$ 9,340.50	\$9.00	\$ 12,933.00	\$17.25	\$ 24,788.25	\$6.50	\$ 9,340.50	\$2.00	\$ 2,874.00
				Roadway Subtotal =	\$ 135,081.50	Roadway Subtotal =	\$ 137,406.00	Roadway Subtotal =	\$ 150,671.80	Roadway Subtotal =	\$ 162,474.50	Roadway Subtotal =	\$ 163,919.00	Roadway Subtotal =	\$ 155,451.32	Roadway Subtotal =	\$ 214,603.50	Roadway Subtotal =	\$ 249,477.80
BRIDGE ITEMS																			
2063300	Class 4 Excavation	CY	250	\$30.00	\$ 7,500.00	\$38.00	\$ 9,500.00	\$30.00	\$ 7,500.00	\$37.00	\$ 9,250.00	\$50.00	\$ 12,500.00	\$43.06	\$ 10,765.00	\$95.00	\$ 23,750.00	\$33.00	\$ 8,250.00
2064099	Granular Backfill	CY	77	\$50.00	\$ 3,850.00	\$67.00	\$ 5,159.00	\$57.00	\$ 4,389.00	\$76.00	\$ 5,852.00	\$90.00	\$ 6,930.00	\$68.32	\$ 5,260.64	\$45.00	\$ 3,465.00	\$47.00	\$ 3,619.00
2160500	Removal of Bridges	LS	1	\$10,000.00	\$ 10,000.00	\$7,000.00	\$ 7,000.00	\$12,394.00	\$ 12,394.00	\$14,000.00	\$ 14,000.00	\$16,000.00	\$ 16,000.00	\$7,958.00	\$ 7,958.00	\$3,800.00	\$ 3,800.00	\$32,415.00	\$ 32,415.00
7034009	Class B-1 Concrete (Retaining Walls)	CY	32.6	\$750.00	\$ 24,450.00	\$825.00	\$ 26,895.00	\$1,005.00	\$ 32,763.00	\$500.00	\$ 16,300.00	\$460.00	\$ 14,996.00	\$725.98	\$ 23,666.95	\$762.00	\$ 24,841.20	\$937.00	\$ 30,546.20
7034040	Class B-1 Concrete (Culverts-Bridge)	CY	130	\$600.00	\$ 78,000.00	\$550.00	\$ 71,500.00	\$499.50	\$ 64,935.00	\$500.00	\$ 65,000.00	\$460.00	\$ 59,800.00	\$664.35	\$ 86,365.50	\$820.00	\$ 106,600.00	\$772.00	\$ 100,360.00
7061020	Reinforcing Steel (Culverts-Bridge)	LBS	19720	\$1.30	\$ 25,636.00	\$1.25	\$ 24,650.00	\$1.00	\$ 19,720.00	\$1.07	\$ 21,100.40	\$1.25	\$ 24,650.00	\$1.04	\$ 20,508.80	\$1.20	\$ 23,664.00	\$1.00	\$ 19,720.00
7061040	Reinforcing Steel (Retaining Walls)	LBS	3990	\$1.30	\$ 5,187.00	\$1.20	\$ 4,788.00	\$1.00	\$ 3,990.00	\$1.40	\$ 5,586.00	\$1.70	\$ 6,783.00	\$1.04	\$ 4,149.60	\$1.20	\$ 4,788.00	\$1.00	\$ 3,990.00
7133000	Bridge Guardrail (W-Beam)	LF	38	\$80.00	\$ 3,040.00	\$45.00	\$ 1,710.00	\$50.00	\$ 1,900.00	\$45.00	\$ 1,710.00	\$50.00	\$ 1,900.00	\$51.75	\$ 1,966.50	\$45.00	\$ 1,710.00	\$98.00	\$ 3,724.00
				Bridge Subtotal =	\$ 157,663.00	Bridge Subtotal =	\$ 151,202.00	Bridge Subtotal =	\$ 147,591.00	Bridge Subtotal =	\$ 138,798.40	Bridge Subtotal =	\$ 143,559.00	Bridge Subtotal =	\$ 160,640.99	Bridge Subtotal =	\$ 192,618.20	Bridge Subtotal =	\$ 202,624.20
SIGNING/STRIPING ITEMS																			
6161005	Construction Signs	SF	199	\$9.00	\$ 1,791.00	\$8.00	\$ 1,592.00	\$14.00	\$ 2,796.00	\$8.00	\$ 1,592.00	\$8.00	\$ 1,592.00	\$9.20	\$ 1,830.80	\$8.00	\$ 1,592.00	\$10.00	\$ 1,990.00
6161031	Type III Moveable Barricade with Light	EA	6	\$225.00	\$ 1,350.00	\$170.00	\$ 1,020.00	\$170.00	\$ 1,020.00	\$170.00	\$ 1,020.00	\$300.00	\$ 1,800.00	\$195.50	\$ 1,173.00	\$170.00	\$ 1,020.00	\$58.00	\$ 348.00
6206000B	Acrylic Waterborne Pav't. Paint 4 Inch White	LF	500	\$1.00	\$ 500.00	\$1.00	\$ 500.00	\$0.80	\$ 400.00	\$1.00	\$ 500.00	\$1.50	\$ 750.00	\$1.15	\$ 575.00	\$1.00	\$ 500.00	\$2.00	\$ 1,000.00
6206001B	Acrylic Waterborne Pav't. Paint 4 Inch Yellow	LF	500	\$1.00	\$ 500.00	\$1.00	\$ 500.00	\$0.80	\$ 400.00	\$1.00	\$ 500.00	\$1.50	\$ 750.00	\$1.15	\$ 575.00	\$1.00	\$ 500.00	\$2.00	\$ 1,000.00
				Signing/Striping Subtotal =	\$ 4,141.00	Signing/Striping Subtotal =	\$ 3,612.00	Signing/Striping Subtotal =	\$ 4,606.00	Signing/Striping Subtotal =	\$ 3,612.00	Signing/Striping Subtotal =	\$ 4,892.00	Signing/Striping Subtotal =	\$ 4,153.80	Signing/Striping Subtotal =	\$ 3,612.00	Signing/Striping Subtotal =	\$ 4,338.00
				Project Total =	\$ 296,885.50	Project Total =	\$ 292,220.00	Project Total =	\$ 302,868.80	Project Total =	\$ 304,884.90	Project Total =	\$ 312,370.00	Project Total =	\$ 320,246.11	Project Total =	\$ 410,833.70	Project Total =	\$ 456,440.00