

Project: Stroup Road Bridge Federal Project #: STP-5403(656) Bid Opening: May 24, 2016 Engineer's Estimate: \$1,084,677.50						Engineers Estimate	Gershenson Construction Company Inc. 2 Truitt Dr. Eureka, MO 63025	United Bridge Builders, Inc. PO Box 510648 St. Louis, MO 63151	Spencer Contraction Co. 3073 Arnold Tenbrook Rd Arnold, MO 63010	KCI Construction Company, Inc. 10315 Lake Bluff Dr. St. Louis, MO 63123	Kozyeny-Wagner, Inc. 951 West Outer Road Arnold, MO 63010	Structural Assurance 1804 Owen Court #116 Mansfield, TX 76063					
STROUP ROAD BRIDGE STP-5403 (656)																	
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
	ROADWAY ITEMS:																
2013000	Clearing & Grubbing	ACRE	1.2	\$3,000.00	\$3,600.00	\$15,000.00	\$18,000.00	\$14,350.00	\$17,220.00	\$13,800.00	\$16,560.00	\$10,200.00	\$12,240.00	\$12,000.00	\$14,400.00	\$4,190.00	\$5,028.00
2022010	Removal of Improvements	LS	1	\$11,000.00	\$11,000.00	\$15,000.00	\$15,000.00	\$7,000.00	\$7,000.00	\$16,100.00	\$16,100.00	\$15,000.00	\$15,000.00	\$16,800.00	\$16,800.00	\$6,781.00	\$6,781.00
2031000	Class A Excavation	CUYD	762	\$7.00	\$5,334.00	\$9.00	\$6,858.00	\$13.00	\$9,906.00	\$11.50	\$8,763.00	\$12.00	\$9,144.00	\$10.00	\$7,620.00	\$31.00	\$23,622.00
2036000	Compacting Embankment	CUYD	762	\$3.00	\$2,286.00	\$11.00	\$8,382.00	\$7.65	\$5,829.30	\$3.50	\$2,667.00	\$19.00	\$14,478.00	\$3.00	\$2,286.00	\$17.00	\$12,954.00
2059999	Subgrade Repair	SQYD	550	\$10.00	\$5,500.00	\$21.50	\$11,825.00	\$7.00	\$3,850.00	\$40.25	\$22,137.50	\$20.00	\$11,000.00	\$40.00	\$22,000.00	\$21.00	\$11,550.00
2063000	Class 3 Excavation	CUYD	77	\$25.00	\$1,925.00	\$5.00	\$385.00	\$40.80	\$3,141.60	\$40.62	\$3,127.74	\$50.00	\$3,850.00	\$37.00	\$2,849.00	\$72.00	\$5,544.00
2072000	Linear Grading, Class 2	STA	4	\$2,500.00	\$10,000.00	\$900.00	\$3,600.00	\$708.00	\$2,832.00	\$690.00	\$2,760.00	\$1,250.00	\$5,000.00	\$600.00	\$2,400.00	\$794.00	\$3,176.00
2142000	Furnishing Rock Fill	CUYD	923	\$11.00	\$10,153.00	\$22.00	\$20,306.00	\$19.35	\$17,860.05	\$28.75	\$26,536.25	\$21.00	\$19,383.00	\$25.00	\$23,075.00	\$41.00	\$37,843.00
2143000	Placing Rock Fill	CUYD	923	\$11.00	\$10,153.00	\$12.00	\$11,076.00	\$25.20	\$23,259.60	\$9.20	\$8,491.60	\$9.00	\$8,307.00	\$8.00	\$7,384.00	\$28.00	\$25,844.00
3040143	Type 1 Aggregate for Base (4" Thick)	SQYD	1946	\$4.50	\$8,757.00	\$6.25	\$12,162.50	\$6.50	\$12,649.00	\$5.99	\$11,656.54	\$6.50	\$12,649.00	\$6.50	\$12,649.00	\$7.00	\$13,622.00
4011209	Bituminous Pavement Mixture Surface (BP-1)	TON	314	\$75.00	\$23,565.00	\$74.00	\$23,250.80	\$96.50	\$30,320.30	\$82.75	\$26,000.05	\$96.50	\$30,320.30	\$96.50	\$30,320.30	\$111.00	\$34,876.20
4013000	Bituminous Pavement Mixture (Base)	TON	515	\$75.00	\$38,655.00	\$78.00	\$40,201.20	\$96.50	\$49,736.10	\$76.04	\$39,191.02	\$96.50	\$49,736.10	\$96.50	\$49,736.10	\$111.00	\$57,209.40
4071005	Tack Coat	GAL	80	\$3.00	\$240.00	\$1.00	\$80.00	\$10.00	\$800.00	\$0.01	\$0.80	\$10.00	\$800.00	\$10.00	\$800.00	\$12.00	\$960.00
5041000	Concrete Approach Pavement	SQYD	274.4	\$125.00	\$34,300.00	\$74.00	\$20,305.60	\$102.20	\$28,043.68	\$52.62	\$14,438.93	\$90.00	\$24,696.00	\$118.00	\$32,379.20	\$86.00	\$23,598.40
6061010	Guardrail Type A	LF	88	\$30.00	\$2,640.00	\$24.00	\$2,112.00	\$24.00	\$2,112.00	\$20.70	\$1,821.60	\$24.00	\$2,112.00	\$18.00	\$1,584.00	\$21.00	\$1,848.00
6061050	Guardrail Type E, 3 ft.-1.5 in spacing	LF	38	\$35.00	\$1,330.00	\$45.00	\$1,710.00	\$45.00	\$1,710.00	\$41.40	\$1,573.20	\$45.00	\$1,710.00	\$36.00	\$1,368.00	\$41.00	\$1,558.00
6062100	Bridge Anchor Section (Curb Type)	EA	3	\$1,800.00	\$5,400.00	\$1,800.00	\$5,400.00	\$1,800.00	\$5,400.00	\$2,300.00	\$6,900.00	\$1,800.00	\$5,400.00	\$2,000.00	\$6,000.00	\$2,300.00	\$6,900.00
6062303	Asymetrical Transition Section, 6.5 Ft. Post	EA	4	\$325.00	\$1,300.00	\$450.00	\$1,800.00	\$450.00	\$1,800.00	\$460.00	\$1,840.00	\$450.00	\$1,800.00	\$400.00	\$1,600.00	\$460.00	\$1,840.00
6063015	Type A Crashworthy End Terminal	EA	3	\$2,200.00	\$6,600.00	\$2,100.00	\$6,300.00	\$2,100.00	\$6,300.00	\$2,530.00	\$7,590.00	\$2,100.00	\$6,300.00	\$2,200.00	\$6,600.00	\$2,530.00	\$7,590.00
6119905	Riprap Bedding	SQYD	1687	\$15.00	\$25,305.00	\$12.50	\$21,087.50	\$15.03	\$25,355.61	\$18.40	\$31,040.80	\$40.00	\$67,480.00	\$16.00	\$26,992.00	\$45.00	\$75,915.00
6119907	Riprap	CUYD	1687	\$25.00	\$42,175.00	\$44.25	\$74,649.75	\$47.40	\$79,963.80	\$55.20	\$93,122.40	\$45.00	\$75,915.00	\$48.00	\$80,976.00	\$56.00	\$94,472.00
6161005	Construction Signs	SQFT	253	\$10.00	\$2,530.00	\$7.00	\$1,771.00	\$8.00	\$2,024.00	\$14.25	\$3,605.25	\$7.00	\$1,771.00	\$7.00	\$1,771.00	\$10.00	\$2,530.00
6161098	Changeable message sign, Contractor Furn & Contractor Retained.	EA	2	\$3,200.00	\$6,400.00	\$1,500.00	\$3,000.00	\$3,000.00	\$6,000.00	\$3,450.00	\$6,900.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$7,590.00	\$15,180.00
6181000	Mobilization	LS	1	\$45,345.00	\$45,345.00	\$61,848.95	\$61,848.95	\$99,500.00	\$99,500.00	\$70,610.00	\$70,610.00	\$235,948.10	\$235,948.10	\$116,300.00	\$116,300.00	\$200,385.00	\$200,385.00
6274000	Contractor Furnished Surveying and Staking	LS	1	\$7,500.00	\$7,500.00	\$5,600.00	\$5,600.00	\$7,200.00	\$7,200.00	\$5,750.00	\$5,750.00	\$30,000.00	\$30,000.00	\$4,200.00	\$4,200.00	\$17,250.00	\$17,250.00
7250318A	18" Pipe Group B	LF	56	\$36.00	\$2,016.00	\$42.50	\$2,380.00	\$43.40	\$2,430.40	\$35.32	\$1,977.92	\$40.00	\$2,240.00	\$54.00	\$3,024.00	\$155.00	\$8,680.00
7250324A	24" Pipe Group B	LF	37	\$48.00	\$1,776.00	\$61.00	\$2,257.00	\$48.00	\$1,776.00	\$55.00	\$2,035.00	\$50.00	\$1,850.00	\$59.00	\$2,183.00	\$120.00	\$4,440.00
7250348A	48" Pipe Group B	LF	32	\$96.00	\$3,072.00	\$95.00	\$3,040.00	\$84.75	\$2,712.00	\$105.66	\$3,381.12	\$70.00	\$2,240.00	\$107.00	\$3,424.00	\$157.00	\$5,024.00
7320018A	18" or Allowed Substitute Group B Flared End Section	EA	4	\$150.00	\$600.00	\$700.00	\$2,800.00	\$287.00	\$1,148.00	\$381.80	\$1,527.20	\$250.00	\$1,000.00	\$410.00	\$1,640.00	\$1,310.00	\$5,240.00
7320024A	24" or Allowed Substitute Group B Flared End Section	EA	2	\$300.00	\$600.00	\$800.00	\$1,600.00	\$504.00	\$1,008.00	\$440.45	\$880.90	\$300.00	\$600.00	\$740.00	\$1,480.00	\$1,574.00	\$3,148.00
7320048A	48" or Allowed Substitute Group B Flared End Section	EA	2	\$400.00	\$800.00	\$2,200.00	\$4,400.00	\$1,781.00	\$3,562.00	\$2,168.33	\$4,336.66	\$1,600.00	\$3,200.00	\$2,350.00	\$4,700.00	\$2,149.00	\$4,298.00
8061005	Rock Ditch Check	EA	2	\$200.00	\$400.00	\$225.00	\$450.00	\$225.00	\$450.00	\$460.00	\$920.00	\$500.00	\$1,000.00	\$325.00	\$650.00	\$288.00	\$576.00
8061019	Silt Fence	LF	1700	\$2.50	\$4,250.00	\$3.00	\$5,100.00	\$2.60	\$4,420.00	\$5.14	\$8,738.00	\$3.50	\$5,950.00	\$3.50	\$5,950.00	\$2.00	\$3,400.00
				SUBTOTAL:	\$325,507.00		\$398,738.30		\$467,319.44		\$452,980.48		\$666,119.50		\$498,140.60		\$722,882.00
	BRIDGE ITEMS:																
2061000	Class 1 Excavation	CUYD	41.0	\$35.00	\$1,435.00	\$65.00	\$2,665.00	\$34.00	\$1,394.00	\$57.50	\$2,357.50	\$50.00	\$2,050.00	\$50.00	\$2,050.00	\$36.00	\$1,476.00
2160500	Removal of Bridges	LS	1.0	\$11,000.00	\$11,000.00	\$8,000.00	\$8,000.00	\$24,150.00	\$24,150.00	\$9,200.00	\$9,200.00	\$10,000.00	\$10,000.00	\$8,000.00	\$8,000.00	\$46,494.00	\$46,494.00
5031010	Bridge Approach Slab (Bridge)	SQYD	167.0	\$225.00	\$37,575.00	\$250.00	\$41,750.00	\$270.00	\$45,090.00	\$264.94	\$44,244.98	\$245.00	\$40,915.00	\$275.00	\$45,925.00	\$177.00	\$29,559.00
7011105	Drilled Shafts (3 ft 6 in)	LF	48.0	\$600.00	\$28,800.00	\$750.00	\$36,000.00	\$711.00	\$34,128.00	\$642.08	\$30,819.84	\$665.00	\$31,920.00	\$700.00	\$33,600.00	\$1,109.00	\$53,232.00
7011201	Rock Sockets (3 ft 0 in)	LF	48.0	\$750.00	\$36,000.00	\$750.00	\$36,000.00	\$711.00	\$34,128.00	\$675.00	\$32,400.00	\$665.00	\$31,920.00	\$1,010.00	\$48,480.00	\$972.00	\$46,656.00
7011300	Supplementary Television Camera Inspection	Ea	6.0	\$300.00	\$1,800.00	\$500.00	\$3,000.00	\$400.00	\$2,400.00	\$460.00	\$2,760.00	\$500.00	\$3,000.00	\$400.00	\$2,400.00	\$920.00	\$5,520.00
7011400	Foundation Inspection Holes	LF	108.0	\$100.00	\$10,800.00	\$80.00	\$8,640.00	\$80.00	\$8,640.00	\$92.00	\$9,936.00	\$80.00	\$8,640.00	\$80.00	\$8,640.00	\$207.00	\$22,356.00
7011500	Concrete Coring	LF	102.0	\$100.00	\$10,200.00	\$30.00	\$3,060.00	\$60.00	\$6,120.00	\$69.00	\$7,038.00	\$80.00	\$8,160.00	\$100.00	\$10,200.00	\$144.00	\$14,688.00
7011600	Sonic Logging Testing	EA	6.0	\$950.00	\$5,700.00	\$1,900.00	\$11,400.00	\$1,100.00	\$6,600.00	\$3,037.92	\$18,227.52	\$2,350.00	\$14,100.00	\$1,100.00	\$6,600.00	\$4,140.00	\$24,840.00
7021012	Structural Steel Piles (12 in)	LF	487.0	\$60.00	\$29,220.00	\$100.00	\$48,700.00	\$84.30	\$41,054.10	\$130.00	\$63,310.00	\$47.00	\$22,889.00	\$85.00	\$41,395.00	\$133.00	\$64,771.00
7026000	Pre-Bore for Piling	LF	418.0	\$54.00	\$22,572.00	\$68.00	\$28,424.00	\$125.00	\$52,250.00	\$141.14	\$58,996.52	\$88.00	\$36,784.00	\$86.00	\$35,948.00	\$42.00	\$17,556.00
7029902	Setting Piles in Rock	Each	5.0	\$1,000.00	\$5,000.00	\$4,000.00	\$20,000.00	\$2,625.00	\$13,125.00	\$3,469.55	\$17,347.75	\$2,500.00	\$12,500.00	\$4,025.00	\$20,125.00	\$1,905.00	\$9,525.00
7032003	Class B Concrete (SubStructure)	CUYD	212.0	\$650.00	\$137,800.00	\$625.00	\$132,500.00	\$502.20	\$106,466.40	\$761.93	\$161,529.16	\$702.00	\$148,824.00	\$935.00	\$198,220.00	\$763.00	\$161,756.00
7034213	Slab on Concrete I-Girder	SQYD	630.0	\$320.00	\$201,600.00	\$340.00	\$214,200.00	\$365.00	\$229,950.00	\$424.74	\$267,586.20	\$272.00	\$171,360.00	\$478.00	\$301,140.00	\$457.00	\$287,910.00
7034215	Safety Barrier Curb	LF	446.0	\$60.00	\$26,760.00	\$66.00	\$29,436.00	\$76.90	\$34,297.40	\$99.00	\$44,154.00	\$107.00	\$47,722.00	\$78.00	\$34,788.00	\$86.00	\$38,356.00
7056001	Type 4 (45") Prestressed Concrete I-Girder	LF	656.0	\$200.00	\$131,200.00	\$160.00	\$104,960.00	\$166.62	\$109,302.72	\$200.22	\$131,344.32	\$242.00	\$158,752.00	\$250.00	\$164,000.00	\$251.00	\$164,656.00
7061060	Reinforcing Steel (Bridges)	LB	31010.0	\$1.35	\$41,863.50	\$1.17	\$36,281.70	\$1.11	\$34,421.10	\$1.30	\$40,313.00	\$0.95	\$29,459.50	\$1.00	\$31,010.00	\$1.00	\$31,010.00
7123301	Steel Intermediate Diaphragm for P/S Concrete Girders	EA	3.0	\$250.00	\$750.00	\$725.00	\$2,175.00	\$671.00	\$1,380.00	\$460.00	\$2,745.00	\$915.00	\$2,745.00	\$800.00	\$2,400.00	\$4,918.00	\$14,754.00
7123610	Slab Drain	EA	7.0	\$350.00	\$2,450.00	\$650.00	\$4,550.00	\$510.00	\$3,570.00	\$420.57	\$2,943.99	\$300.00	\$2,100.00	\$450.00	\$3,150.00	\$602.00	\$4,214.00
7151001	Vertical Drain at End Bents	EA	2.0	\$2,500.00	\$5,000.00	\$2,100.00	\$4,200.00	\$1,725.00	\$3,450.00	\$2,121.75	\$4,243.50	\$3,400.00	\$6,800.00	\$2,800.00	\$5,600.00	\$553.00	\$1,106.00
7161003	Laminated Neoprene Bearing Pad Assembly (Tapered)	EA	24.0	\$160.00	\$3,840.00	\$480.00	\$11,520.00	\$575.00	\$13,800.00	\$564.94	\$13,558.56	\$580.00					