

OFFICE OF THE FULTON COUNTY ENGINEER

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ENGINEER'S ESTIMATE				ENGINEER'S	Average Bid	B. Hillz Excavating, Inc.	Vernon Nagel, Inc.				
PROJECT: Bridge 26D.5 Replacement				\$242,000.00	Unit Price	\$205,888.68	\$227,363.08				
DATE: March 24, 2015					-10.5%	-14.9%	-6.0%				
REF. NO.	ITEM NO.	QUANTITY	UNITS	DESCRIPTION	UNIT PRICE	ESTIMATED COST	UNIT PRICE	ESTIMATED COST	UNIT PRICE	ESTIMATED COST	
ROADWAY											
1	201	1	LUMP	CLEARING AND GRUBBING	\$ 5,000.00	\$ 5,000.00	\$ 2,227.00	\$ 3,454.00	\$ 3,454.00	\$ 1,000.00	\$ 1,000.00
2	202	80	SQ YD	PAVEMENT REMOVED FOR BUTT JOINTS	\$ 15.00	\$ 1,200.00	\$ 13.50	\$ 10.00	\$ 800.00	\$ 17.00	\$ 1,360.00
3	203	48	CU YD	EXCAVATION	\$ 35.00	\$ 1,680.00	\$ 17.00	\$ 10.00	\$ 480.00	\$ 24.00	\$ 1,152.00
4	203	92	CU YD	EMBANKMENT	\$ 30.00	\$ 2,760.00	\$ 13.00	\$ 10.00	\$ 920.00	\$ 16.00	\$ 1,472.00
5	204	173	SQ YD	SUBGRADE COMPACTION	\$ 3.00	\$ 519.00	\$ 1.50	\$ 2.00	\$ 346.00	\$ 1.00	\$ 173.00
6	606	175	FT	GUARDRAIL, TYPE MGS	\$ 25.00	\$ 4,375.00	\$ 19.38	\$ 21.00	\$ 3,675.00	\$ 17.75	\$ 3,106.25
7	606	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	\$ 2,200.00	\$ 8,800.00	\$ 2,097.50	\$ 2,250.00	\$ 9,000.00	\$ 1,945.00	\$ 7,780.00
8	606	4	EACH	ANCHOR ASSEMBLY, MGS TYPE A	\$ 1,000.00	\$ 4,000.00	\$ 1,017.50	\$ 1,050.00	\$ 4,200.00	\$ 985.00	\$ 3,940.00
ROADWAY TOTAL					\$ 28,334.00			\$ 22,875.00		\$ 19,983.25	
EROSION CONTROL											
9	601	45	TON	ROCK CHANNEL PROTECTION, TYPE C WITHOUT FILTER	\$ 70.00	\$ 3,150.00	\$ 56.50	\$ 53.00	\$ 2,385.00	\$ 60.00	\$ 2,700.00
DRAINAGE TOTAL					\$ 3,150.00			\$ 2,385.00		\$ 2,700.00	
PAVEMENT											
10	304	39	CU YD	8" AGGREGATE BASE	\$ 60.00	\$ 2,340.00	\$ 52.50	\$ 40.00	\$ 1,560.00	\$ 65.00	\$ 2,535.00
11	407	54	GALLON	TACK COAT	\$ 3.00	\$ 162.00	\$ 2.50	\$ 3.00	\$ 162.00	\$ 2.00	\$ 108.00
12	408	69	GALLON	PRIME COAT	\$ 3.00	\$ 207.00	\$ 3.00	\$ 4.00	\$ 276.00	\$ 2.00	\$ 138.00
13	448	15	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22	\$ 300.00	\$ 4,500.00	\$ 298.00	\$ 351.00	\$ 5,265.00	\$ 245.00	\$ 3,675.00
14	448	16	CU YD	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22	\$ 325.00	\$ 5,200.00	\$ 352.50	\$ 445.00	\$ 7,120.00	\$ 280.00	\$ 4,160.00
15	617	3	CU YD	RECONDITIONING OF SHOULDERS	\$ 70.00	\$ 210.00	\$ 105.00	\$ 110.00	\$ 330.00	\$ 100.00	\$ 300.00
PAVEMENT TOTAL					\$ 12,619.00			\$ 14,713.00		\$ 10,916.00	
TRAFFIC CONTROL											
16	642	0.03	MILE	CENTER LINE, TYPE 1	\$ 12,500.00	\$ 375.00	\$ 30,000.00	\$ 30,000.00	\$ 900.00	\$ 30,000.00	\$ 900.00
TRAFFIC CONTROL TOTAL					\$ 375.00			\$ 900.00		\$ 900.00	
BRIDGE 26D.5											
17	202	1	LUMP	STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	\$ 15,000.00	\$ 15,000.00	\$ 10,961.00	\$ 11,922.00	\$ 11,922.00	\$ 10,000.00	\$ 10,000.00
18	202	84	SQ YD	WEARING COURSE REMOVED	\$ 12.00	\$ 1,008.00	\$ 14.50	\$ 12.00	\$ 1,008.00	\$ 17.00	\$ 1,428.00
19	203	370	TON	GRANULAR EMBANKMENT #89 STONE	\$ 40.00	\$ 14,800.00	\$ 38.00	\$ 31.00	\$ 11,470.00	\$ 45.00	\$ 16,650.00
20	203	255	TON	GRANULAR EMBANKMENT #304 STONE	\$ 35.00	\$ 8,925.00	\$ 37.00	\$ 29.00	\$ 7,395.00	\$ 45.00	\$ 11,475.00
21	204	2,187	SQ YD	SPECIAL - HIGH STRENGTH WOVEN POLYPROPYLENE FABRIC	\$ 4.00	\$ 8,748.00	\$ 3.50	\$ 3.00	\$ 6,561.00	\$ 4.00	\$ 8,748.00
22	204	987	SQ YD	SPECIAL - MEDIUM STRENGTH WOVEN POLYPROPYLENE FABRIC	\$ 4.00	\$ 3,948.00	\$ 3.00	\$ 2.00	\$ 1,974.00	\$ 4.00	\$ 3,948.00
23	503	1	LUMP	UNCLASSIFIED EXCAVATION	\$ 18,000.00	\$ 18,000.00	\$ 10,414.00	\$ 10,828.00	\$ 10,828.00	\$ 10,000.00	\$ 10,000.00
24	509	718	POUND	EPOXY COATED REINFORCING STEEL	\$ 2.00	\$ 1,436.00	\$ 2.50	\$ 2.00	\$ 1,436.00	\$ 3.00	\$ 2,154.00
25	510	92	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	\$ 25.00	\$ 2,300.00	\$ 17.50	\$ 23.00	\$ 2,116.00	\$ 12.00	\$ 1,104.00
26	511	7	CU YD	CLASS QC 1 CONCRETE, AS PER PLAN	\$ 600.00	\$ 4,200.00	\$ 582.50	\$ 665.00	\$ 4,655.00	\$ 500.00	\$ 3,500.00
27	512	19	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	\$ 20.00	\$ 380.00	\$ 18.50	\$ 12.00	\$ 228.00	\$ 25.00	\$ 475.00
28	512	161	SQ YD	TYPE 3 WATERPROOFING	\$ 40.00	\$ 6,440.00	\$ 30.89	\$ 30.00	\$ 4,830.00	\$ 31.78	\$ 5,116.58
29	515	7	EACH	PRESTRESSED CONCRETE NON-COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, B21-48	\$ 11,000.00	\$ 77,000.00	\$ 11,370.00	\$ 10,240.00	\$ 71,680.00	\$ 12,500.00	\$ 87,500.00
30	517	66.41	FT	RAILING (TWIN STEEL TUBE)	\$ 130.00	\$ 8,633.30	\$ 136.50	\$ 148.00	\$ 9,828.68	\$ 125.00	\$ 8,301.25
31	518	64	FT	SPECIAL - STEEL DRIP STRIP	\$ 12.00	\$ 768.00	\$ 10.50	\$ 10.00	\$ 640.00	\$ 11.00	\$ 704.00
32	SPECIAL	1	LUMP	BEAM SEAT CONSTRUCTION	\$ 4,000.00	\$ 4,000.00	\$ 3,357.00	\$ 5,214.00	\$ 5,214.00	\$ 1,500.00	\$ 1,500.00
BRIDGE 26D.5 TOTAL					\$ 175,586.30			\$ 151,785.68		\$ 172,603.83	
INCIDENTALS											
33	103	1	LUMP	PREMIUM FOR CONTRACT PERFORMANCE BOND AND MAINTENANCE GUARANTEE BOND	\$ 2,585.70	\$ 2,585.70	\$ 3,650.00	\$ 2,300.00	\$ 2,300.00	\$ 5,000.00	\$ 5,000.00
34	614	1	LUMP	MAINTAINING TRAFFIC	\$ 5,000.00	\$ 5,000.00	\$ 3,250.00	\$ 1,500.00	\$ 1,500.00	\$ 5,000.00	\$ 5,000.00
35	623	1	LUMP	CONSTRUCTION LAYOUT AND STAKING	\$ 4,000.00	\$ 4,000.00	\$ 2,940.00	\$ 3,680.00	\$ 3,680.00	\$ 2,200.00	\$ 2,200.00
INCIDENTALS TOTAL					\$ 11,585.70			\$ 7,480.00		\$ 12,200.00	
ADDENDUM #1 ADDITIONAL ITEMS											
36	202	1	EACH	CATCH BASIN REMOVED	\$ 200.00	\$ 200.00	\$ 300.00	\$ 300.00	\$ 300.00	\$ 300.00	\$ 300.00
37	411	3	CU YD	AGGREGATE BASE FOR DRIVES (8")	\$ 70.00	\$ 210.00	\$ 70.00	\$ 40.00	\$ 120.00	\$ 100.00	\$ 300.00
38	811	298	FT	6" CONDUIT, TYPE B	\$ 30.00	\$ 8,940.00	\$ 17.75	\$ 15.50	\$ 4,619.00	\$ 20.00	\$ 5,960.00
39	811	1	EACH	CATCH BASIN NO. 2-2B	\$ 1,000.00	\$ 1,000.00	\$ 1,105.50	\$ 711.00	\$ 711.00	\$ 1,500.00	\$ 1,500.00
ADDENDUM #1 ADDITIONAL ITEMS TOTAL					\$ 10,350.00			\$ 5,750.00		\$ 8,600.00	
BID TOTAL					\$ 242,000.00			\$ 205,888.68		\$ 227,363.08	
						% Difference from Engineer's Estimate		-14.9%		-6.0%	