

OFFICE OF THE FULTON COUNTY ENGINEER

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ENGINEER'S ESTIMATE PROJECT: Bridge 5-2F.0 Replacement DATE: June 2009	ENGINEER'S \$173,489.00	Average Bid Unit Price -25.3%	B. Hill'z Excavating, Inc. \$155,885.00 -10.1%	Vernon Nagel, Inc. \$177,719.00 2.4%	Heer Excavating, Inc. \$184,885.00 6.6%	Contractor \$0.00 -100.0%	Contractor \$0.00 -100.0%	Contractor \$0.00 -100.0%
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REF. NO.	ITEM NO.	QUANTITY	UNITS	DESCRIPTION	UNIT PRICE	ESTIMATED COST	Average Bid Unit Price	UNIT PRICE	ESTIMATED COST	UNIT PRICE	ESTIMATED COST	UNIT PRICE	ESTIMATED COST	UNIT PRICE	ESTIMATED COST	UNIT PRICE	ESTIMATED COST
EARTHWORK																	
1	201	1.0	LUMP	Clearing and Grubbing	\$ 2,000.00	\$ 2,000.00	\$ 5,858.33	\$ 7,575.00	\$ 7,575.00	\$ 3,500.00	\$ 3,500.00	\$ 6,500.00	\$ 6,500.00	\$ -	\$ -	\$ -	\$ -
2	202	42.0	FT	Pipe Removed, Under 24-Inch	\$ 6.00	\$ 252.00	\$ 6.83	\$ 10.00	\$ 420.00	\$ 6.00	\$ 252.00	\$ 4.50	\$ 189.00	\$ -	\$ -	\$ -	\$ -
3	202	1.0	LUMP	Structure Removed	\$ 14,500.00	\$ 14,500.00	\$ 14,666.67	\$ 19,000.00	\$ 19,000.00	\$ 15,000.00	\$ 15,000.00	\$ 10,000.00	\$ 10,000.00	\$ -	\$ -	\$ -	\$ -
4	202	62.5	FT	Guardrail Removed	\$ 2.00	\$ 125.00	\$ 2.40	\$ 4.00	\$ 250.00	\$ 1.20	\$ 75.00	\$ 2.00	\$ 125.00	\$ -	\$ -	\$ -	\$ -
5	202	41.0	SY	Pavement Removed for Butt Joints	\$ 10.00	\$ 410.00	\$ 25.00	\$ 10.00	\$ 410.00	\$ 40.00	\$ 1,640.00	\$ 25.00	\$ 1,025.00	\$ -	\$ -	\$ -	\$ -
6	203	24.0	CY	Excavation not including Embankment	\$ 25.00	\$ 600.00	\$ 15.33	\$ 10.00	\$ 240.00	\$ 20.00	\$ 480.00	\$ 16.00	\$ 384.00	\$ -	\$ -	\$ -	\$ -
7	203	97.0	CY	Embankment.....	\$ 28.00	\$ 2,716.00	\$ 12.00	\$ 10.00	\$ 970.00	\$ 10.00	\$ 970.00	\$ 16.00	\$ 1,552.00	\$ -	\$ -	\$ -	\$ -
8	204	144.0	SY	Subgrade Compaction.....	\$ 2.00	\$ 288.00	\$ 1.67	\$ 2.00	\$ 288.00	\$ 1.00	\$ 144.00	\$ 2.00	\$ 288.00	\$ -	\$ -	\$ -	\$ -
EARTHWORK TOTAL.....					\$ 20,891.00			\$ 29,153.00		\$ 22,061.00		\$ 20,063.00					
EROSION CONTROL																	
9	601	42.0	TON	Rock Channel Protection without Filter, Type C.....	\$ 40.00	\$ 1,680.00	\$ 42.67	\$ 43.00	\$ 1,806.00	\$ 30.00	\$ 1,260.00	\$ 55.00	\$ 2,310.00	\$ -	\$ -	\$ -	\$ -
10	601	84.0	TON	Rock Channel Protection without Filter, Type C (Inside Structure).....	\$ 56.00	\$ 4,704.00	\$ 51.67	\$ 60.00	\$ 5,040.00	\$ 40.00	\$ 3,360.00	\$ 55.00	\$ 4,620.00	\$ -	\$ -	\$ -	\$ -
EROSION CONTROL TOTAL.....					\$ 6,384.00			\$ 6,846.00		\$ 4,620.00		\$ 6,930.00					
DRAINAGE																	
11	503	375.0	CY	Unclassified Excavation, As Per Plan.....	\$ 40.00	\$ 15,000.00	\$ 31.67	\$ 15.00	\$ 5,625.00	\$ 35.00	\$ 13,125.00	\$ 45.00	\$ 16,875.00	\$ -	\$ -	\$ -	\$ -
12	509	2,377.0	POUND	Epoxy Coated Reinforcing Steel, Grade 60.....	\$ 1.10	\$ 2,615.00	\$ 1.17	\$ 1.00	\$ 2,377.00	\$ 1.00	\$ 2,377.00	\$ 1.50	\$ 3,565.50	\$ -	\$ -	\$ -	\$ -
13	511	17.0	CY	Class C Concrete, Wingwall	\$ 625.00	\$ 10,625.00	\$ 540.00	\$ 420.00	\$ 7,140.00	\$ 700.00	\$ 11,900.00	\$ 500.00	\$ 8,500.00	\$ -	\$ -	\$ -	\$ -
14	511	29.0	CY	Class C Concrete, Footing	\$ 450.00	\$ 13,050.00	\$ 433.33	\$ 350.00	\$ 10,150.00	\$ 600.00	\$ 17,400.00	\$ 350.00	\$ 10,150.00	\$ -	\$ -	\$ -	\$ -
15	SPEC	68.0	SY	Special-Membrane Waterproofing (Sheet Type 2).....	\$ 16.00	\$ 1,088.00	\$ 19.33	\$ 25.00	\$ 1,700.00	\$ 20.00	\$ 1,360.00	\$ 13.00	\$ 884.00	\$ -	\$ -	\$ -	\$ -
16	SPEC	87.0	SY	Spec.-Misc.: Reinf. Waterproofing Membrane-Geotac HS (Sheet Type 3).....	\$ 37.00	\$ 3,219.00	\$ 32.33	\$ 45.00	\$ 3,915.00	\$ 30.00	\$ 2,610.00	\$ 22.00	\$ 1,914.00	\$ -	\$ -	\$ -	\$ -
17	SPEC	26.0	SY	Special-Sealing of Concrete Surfaces (Epoxy Urethane).....	\$ 15.50	\$ 403.00	\$ 18.67	\$ 8.00	\$ 208.00	\$ 30.00	\$ 780.00	\$ 18.00	\$ 468.00	\$ -	\$ -	\$ -	\$ -
18	516	43.0	SF	1 Inch Preformed Expansion Joint Filler.....	\$ 5.00	\$ 215.00	\$ 5.50	\$ 2.00	\$ 86.00	\$ 12.00	\$ 516.00	\$ 2.50	\$ 107.50	\$ -	\$ -	\$ -	\$ -
19	518	9.0	CY	Porous Backfill with Filter Fabric	\$ 65.00	\$ 585.00	\$ 47.33	\$ 35.00	\$ 315.00	\$ 50.00	\$ 450.00	\$ 57.00	\$ 513.00	\$ -	\$ -	\$ -	\$ -
20	603	30.0	FT	Conduit, Type A, Precast Reinf. Conc. Flat Topped 3-Sided, 22.28' x 10'.....	\$ 1,948.00	\$ 58,440.00	\$ 2,150.00	\$ 1,850.00	\$ 55,500.00	\$ 2,100.00	\$ 63,000.00	\$ 2,500.00	\$ 75,000.00	\$ -	\$ -	\$ -	\$ -
21	603	16.0	FT	6" Conduit, Type C, 707.33, 707.42, 707.45.....	\$ 33.00	\$ 528.00	\$ 20.33	\$ 15.00	\$ 240.00	\$ 20.00	\$ 320.00	\$ 26.00	\$ 416.00	\$ -	\$ -	\$ -	\$ -
22	603	20.0	FT	8" Conduit, Type C, 707.33, 707.42, 707.45.....	\$ 35.00	\$ 700.00	\$ 21.33	\$ 18.00	\$ 360.00	\$ 20.00	\$ 400.00	\$ 26.00	\$ 520.00	\$ -	\$ -	\$ -	\$ -
23	606	175.0	FT	Type 5 Guardrail, Modified	\$ 25.00	\$ 4,375.00	\$ 34.20	\$ 34.00	\$ 5,950.00	\$ 32.60	\$ 5,705.00	\$ 36.00	\$ 6,300.00	\$ -	\$ -	\$ -	\$ -
24	606	4.0	EACH	Flared End Section (Guardrail)	\$ 55.00	\$ 220.00	\$ 51.00	\$ 50.00	\$ 200.00	\$ 50.00	\$ 200.00	\$ 53.00	\$ 212.00	\$ -	\$ -	\$ -	\$ -
DRAINAGE TOTAL.....					\$ 111,063.00			\$ 93,766.00		\$ 120,143.00		\$ 125,425.00					
PAVEMENT																	
25	304	48.0	CY	Aggregate Base (12").....	\$ 53.00	\$ 2,544.00	\$ 43.33	\$ 40.00	\$ 1,920.00	\$ 50.00	\$ 2,400.00	\$ 40.00	\$ 1,920.00	\$ -	\$ -	\$ -	\$ -
26	407	169.0	GAL	Tack Coat (0.10 Gal./S.Y.).....	\$ 2.00	\$ 338.00	\$ 2.83	\$ 5.00	\$ 845.00	\$ 2.00	\$ 338.00	\$ 1.50	\$ 253.50	\$ -	\$ -	\$ -	\$ -
27	408	57.0	GAL	Bituminous Prime Coat (0.40 Gal./S.Y.).....	\$ 5.51	\$ 314.00	\$ 3.50	\$ 5.00	\$ 285.00	\$ 2.00	\$ 114.00	\$ 3.50	\$ 199.50	\$ -	\$ -	\$ -	\$ -
28	448	19.0	CY	Asphalt Concrete Variable Thickness, Type 2, PG 64-22	\$ 225.00	\$ 4,275.00	\$ 187.33	\$ 190.00	\$ 3,610.00	\$ 157.00	\$ 2,983.00	\$ 215.00	\$ 4,085.00	\$ -	\$ -	\$ -	\$ -
29	448	35.0	CY	Asphalt Concrete Intermediate Course, Type 2, PG 64-22 (2.5").....	\$ 225.00	\$ 7,875.00	\$ 172.33	\$ 190.00	\$ 6,650.00	\$ 157.00	\$ 5,495.00	\$ 170.00	\$ 5,950.00	\$ -	\$ -	\$ -	\$ -
30	448	28.0	CY	Asphalt Concrete Surface Course, Type 1, PG 64-22 (1.5").....	\$ 300.00	\$ 8,400.00	\$ 186.67	\$ 200.00	\$ 5,600.00	\$ 160.00	\$ 4,480.00	\$ 200.00	\$ 5,600.00	\$ -	\$ -	\$ -	\$ -
31	617	9.0	CY	Reconditioning of Shoulders (T=4')	\$ 45.00	\$ 405.00	\$ 52.00	\$ 40.00	\$ 360.00	\$ 65.00	\$ 585.00	\$ 51.00	\$ 459.00	\$ -	\$ -	\$ -	\$ -

PAVEMENT TOTAL	\$ 24,151.00		\$ 19,270.00	\$ 16,395.00	\$ 18,467.00	\$ -	\$ -	\$ -
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INCIDENTALS

32	103	1.00	LUMP	Premium for Contract Performance Bond and Maintenance Guarantee Bond.....	\$ 2,500.00	\$ 2,500.00	\$ 3,916.67	\$ 1,750.00	\$ 1,750.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ -	\$ -	\$ -	\$ -
33	614	1.0	LUMP	Maintaining Traffic	\$ 6,000.00	\$ 6,000.00	\$ 2,300.00	\$ 4,000.00	\$ 4,000.00	\$ 1,500.00	\$ 1,500.00	\$ 6,000.00	\$ 6,000.00	\$ -	\$ -	\$ -	\$ -
34	623	1.00	LUMP	Construction Layout and Staking.....	\$ 2,500.00	\$ 2,500.00	\$ 4,033.33	\$ 1,100.00	\$ 1,100.00	\$ 8,000.00	\$ 8,000.00	\$ 3,000.00	\$ 3,000.00	\$ -	\$ -	\$ -	\$ -
INCIDENTALS TOTAL					\$ 11,000.00			\$ 6,850.00	\$ 14,500.00	\$ 14,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

BID TOTAL	\$ 173,489.00		\$ 155,885.00	\$ 177,719.00	\$ 184,885.00	\$ -	\$ -	\$ -
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			B. Hill'z Excavating, Inc.	Vernon Nagel, Inc.	Heer Excavating, Inc.	Contractor	Contractor	Contractor
	% Difference from Engineer's Estimate		-10.1%	2.4%	6.6%	-100.0%	-100.0%	-100.0%