

SPECIFICATION NO. 2690  
SOUTH WILMINGTON GRADE SEPARATION  
PROJ. CONST. MGR: MICHAEL SWORDS

ENGINEERING ESTIMATE: \$56,379,500.00  
ADVERTISED DATE: JULY 17, 2012  
BID OPENING DATE: SEPTEMBER 6, 2012

	GRAND TOTAL	ITEM 1	ITEM 2
	BID ITEM 1 - 51	LUMP SUM CONSTRUCTION	LUMP SUM BRIDGE CONSTRUCTION (EXCLUSIVE OF PILES AND ABUTMENTS) LUMP SUM
		LUMP SUM	
ENGINEERING ESTIMATE	\$ 56,379,500.00	\$ 2,850,000.00	\$ 24,753,500.00
1) MCM CONSTRUCTION, INC.	\$ 47,288,416.00	\$ 500,000.00	\$ 28,668,629.00
2) GRIFFITH COMPANY	\$ 51,053,744.00	\$ 4,800,000.00	\$ 23,700,000.00
3) FLATIRON WEST, INC.	\$ 51,950,000.00	\$ 4,000,000.00	\$ 25,324,215.00
4) STEVE P. RADOS, INC.	\$ 54,446,300.00	\$ 2,500,000.00	\$ 29,370,000.00
5) CC MYERS, INC.	\$ 58,499,000.00	\$ 5,950,000.00	\$ 27,795,500.00
1) AVERAGE BID	\$ 52,647,492.00	\$ 3,550,000.00	\$ 26,971,668.80
2) STANDARD DEVIATION	\$ 4,159,990.37	\$ 2,117,191.54	\$ 2,383,709.56
3) ENG. EST. - LOW BIDDER	\$ 9,091,084.00	\$ 2,350,000.00	\$ (3,915,129.00)

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	ITEM 3	ITEM 4	ITEM 5	
	B-PERMIT WORK (CIVIL, STREET LIGHTING, TRAFFIC SIGNAL) LUMP SUM	DEMOLITION AND REMOVALS  LUMP SUM	IMPORT STRUCTURAL FILL	
			Cu. Yds. Approx. Qty. =	27000
ENGINEERING ESTIMATE	\$ 380,000.00	\$ 1,400,000.00	\$ 25.00	\$ 675,000.00
1) MCM CONSTRUCTION, INC.	\$ 150,000.00	\$ 125,000.00	\$ 19.50	\$ 526,500.00
2) GRIFFITH COMPANY	\$ 277,000.00	\$ 1,000,000.00	\$ 9.00	\$ 243,000.00
3) FLATIRON WEST, INC.	\$ 743,205.00	\$ 700,000.00	\$ 20.00	\$ 540,000.00
4) STEVE P. RADOS, INC.	\$ 1,000,000.00	\$ 250,000.00	\$ 14.00	\$ 378,000.00
5) CC MYERS, INC.	\$ 290,000.00	\$ 600,000.00	\$ 14.00	\$ 378,000.00

1) AVERAGE BID	\$ 492,041.00	\$ 535,000.00	\$ 15.30	\$ 413,100.00
2) STANDARD DEVIATION	\$ 362,339.95	\$ 352,491.13	\$ 4.55	\$ 122,842.58
3) ENG. EST. - LOW BIDDER	\$ 230,000.00	\$ 1,275,000.00	\$ 5.50	\$ 148,500.00

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	ITEM 6		ITEM 7	
	EARTH RETAINING STRUCTURE (MSE) IMPORT STRUCTURAL FILL		OWNER-FURNISHED STRUCTURAL FILL	
	Cu. Yds. Approx. Qty. = 29000		Cu. Yds. Approx. Qty. = 14000	
ENGINEERING ESTIMATE	\$ 25.00	\$ 725,000.00	\$ 15.00	\$ 210,000.00
1) MCM CONSTRUCTION, INC.	\$ 10.00	\$ 290,000.00	\$ 3.75	\$ 52,500.00
2) GRIFFITH COMPANY	\$ 20.00	\$ 580,000.00	\$ 5.50	\$ 77,000.00
3) FLATIRON WEST, INC.	\$ 20.00	\$ 580,000.00	\$ 6.00	\$ 84,000.00
4) STEVE P. RADOS, INC.	\$ 19.00	\$ 551,000.00	\$ 5.00	\$ 70,000.00
5) CC MYERS, INC.	\$ 24.00	\$ 696,000.00	\$ 12.00	\$ 168,000.00

1) AVERAGE BID	\$ 18.60	\$ 539,400.00	\$ 6.45	\$ 90,300.00
2) STANDARD DEVIATION	\$ 5.18	\$ 150,129.28	\$ 3.21	\$ 44,985.55
3) ENG. EST. - LOW BIDDER	\$ 15.00	\$ 435,000.00	\$ 11.25	\$ 157,500.00

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	ITEM 8		ITEM 9	
	CRUSHED MISCELLANEOUS BASE (CONTRACTOR-FURNISHED)		ASPHALT CONCRETE PAVEMENT	
	Cu Yds. Approx. Qty. =	11700	Tons Approx. Qty. =	11600
ENGINEERING ESTIMATE	\$ 20.00	\$ 234,000.00	\$ 105.00	\$ 1,218,000.00
1) MCM CONSTRUCTION, INC.	\$ 27.50	\$ 321,750.00	\$ 78.00	\$ 904,800.00
2) GRIFFITH COMPANY	\$ 22.00	\$ 257,400.00	\$ 80.00	\$ 928,000.00
3) FLATIRON WEST, INC.	\$ 40.00	\$ 468,000.00	\$ 80.00	\$ 928,000.00
4) STEVE P. RADOS, INC.	\$ 34.00	\$ 397,800.00	\$ 89.00	\$ 1,032,400.00
5) CC MYERS, INC.	\$ 12.00	\$ 140,400.00	\$ 80.00	\$ 928,000.00

1) AVERAGE BID	\$ 27.10	\$ 317,070.00	\$ 81.40	\$ 944,240.00
2) STANDARD DEVIATION	\$ 10.82	\$ 126,581.89	\$ 4.34	\$ 50,296.40
3) ENG. EST. - LOW BIDDER	\$ (7.50)	\$ (87,750.00)	\$ 27.00	\$ 313,200.00

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	ITEM 10	ITEM 11	ITEM 12
	CHAIN LINK FENCES, GATES, & DECORATIVE FENCE	SIGNAGE AND PAVEMENT MARKINGS (EXCLUSIVE OF B-PERMIT WORK)	LANDSCAPING AND IRRIGATION
	LUMP SUM	LUMP SUM	LUMP SUM
ENGINEERING ESTIMATE	\$ 995,000.00	\$ 153,000.00	\$ 380,000.00
1) MCM CONSTRUCTION, INC.	\$ 800,000.00	\$ 117,000.00	\$ 400,000.00
2) GRIFFITH COMPANY	\$ 900,000.00	\$ 100,000.00	\$ 400,000.00
3) FLATIRON WEST, INC.	\$ 891,000.00	\$ 85,240.00	\$ 425,385.00
4) STEVE P. RADOS, INC.	\$ 900,000.00	\$ 110,000.00	\$ 375,000.00
5) CC MYERS, INC.	\$ 2,050,000.00	\$ 85,000.00	\$ 435,000.00

1) AVERAGE BID	\$ 1,108,200.00	\$ 99,448.00	\$ 407,077.00
2) STANDARD DEVIATION	\$ 528,167.78	\$ 14,407.76	\$ 23,685.33
3) ENG. EST. - LOW BIDDER	\$ 195,000.00	\$ 36,000.00	\$ (20,000.00)

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	ITEM 13	ITEM 14	ITEM 15
	STREET LIGHTING SYSTEM (EXCLUSIVE OF B-PERMIT WORK)	WORKSITE TRAFFIC CONTROL	TRAFFIC SIGNAL (EXCLUSIVE OF B-PERMIT WORK)
	LUMP SUM	LUMP SUM	LUMP SUM
ENGINEERING ESTIMATE	\$ 1,025,000.00	\$ 300,000.00	\$ 335,000.00
1) MCM CONSTRUCTION, INC.	\$ 350,000.00	\$ 100,000.00	\$ 450,000.00
2) GRIFFITH COMPANY	\$ 411,000.00	\$ 260,000.00	\$ 490,000.00
3) FLATIRON WEST, INC.	\$ 400,510.00	\$ 1,000,000.00	\$ 353,275.00
4) STEVE P. RADOS, INC.	\$ 17,000.00	\$ 1,300,000.00	\$ 100,000.00
5) CC MYERS, INC.	\$ 410,000.00	\$ 995,000.00	\$ 560,000.00

1) AVERAGE BID	\$ 317,702.00	\$ 731,000.00	\$ 390,655.00
2) STANDARD DEVIATION	\$ 169,959.89	\$ 521,013.44	\$ 178,848.11
3) ENG. EST. - LOW BIDDER	\$ 675,000.00	\$ 200,000.00	\$ (115,000.00)

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	ITEM 16		ITEM 17	
	TYPE 1 CONCRETE RETAINING WALL		FURNISH 14-INCH SQUARE CONCRETE PILES	
	Sq. Ft. Approx. Qty. =	1900	Lin. Ft. Approx. Qty. =	3500
ENGINEERING ESTIMATE	\$ 110.00	\$ 209,000.00	\$ 45.00	\$ 157,500.00
1) MCM CONSTRUCTION, INC.	\$ 50.00	\$ 95,000.00	\$ 21.00	\$ 73,500.00
2) GRIFFITH COMPANY	\$ 55.00	\$ 104,500.00	\$ 21.00	\$ 73,500.00
3) FLATIRON WEST, INC.	\$ 80.00	\$ 152,000.00	\$ 20.00	\$ 70,000.00
4) STEVE P. RADOS, INC.	\$ 55.00	\$ 104,500.00	\$ 20.00	\$ 70,000.00
5) CC MYERS, INC.	\$ 100.00	\$ 190,000.00	\$ 21.00	\$ 73,500.00

1) AVERAGE BID	\$ 68.00	\$ 129,200.00	\$ 20.60	\$ 72,100.00
2) STANDARD DEVIATION	\$ 21.39	\$ 40,639.57	\$ 0.55	\$ 1,917.03
3) ENG. EST. - LOW BIDDER	\$ 60.00	\$ 114,000.00	\$ 24.00	\$ 84,000.00

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	ITEM 18		ITEM 19	
	DRIVE PILE (14-INCH SQUARE)		FURNISH 24-INCH OCTAGONAL CONCRETE PRODUCTION PILES	
	Each Approx. Qty. =		81 Lin. Ft. Approx. Qty. =	36000
ENGINEERING ESTIMATE	\$ 2,500.00	\$ 202,500.00	\$ 75.00	\$ 2,700,000.00
1) MCM CONSTRUCTION, INC.	\$ 2,000.00	\$ 162,000.00	\$ 25.00	\$ 900,000.00
2) GRIFFITH COMPANY	\$ 2,066.00	\$ 167,346.00	\$ 26.00	\$ 936,000.00
3) FLATIRON WEST, INC.	\$ 2,300.00	\$ 186,300.00	\$ 25.00	\$ 900,000.00
4) STEVE P. RADOS, INC.	\$ 2,100.00	\$ 170,100.00	\$ 26.00	\$ 936,000.00
5) CC MYERS, INC.	\$ 2,100.00	\$ 170,100.00	\$ 25.00	\$ 900,000.00

1) AVERAGE BID	\$ 2,113.20	\$ 171,169.20	\$ 25.40	\$ 914,400.00
2) STANDARD DEVIATION	\$ 112.12	\$ 9,081.83	\$ 0.55	\$ 19,718.01
3) ENG. EST. - LOW BIDDER	\$ 500.00	\$ 40,500.00	\$ 50.00	\$ 1,800,000.00

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	ITEM 20		ITEM 21	
	TRANSPORT, DRIVE, & RESTRIKE DEPT FURNISHED INDICATOR PILES (24-INCH OCTAGONAL)		DRIVE PILE (24-INCH OCTAGONAL)	
	Each Approx. Qty. =		4 Each Approx. Qty. =	581
ENGINEERING ESTIMATE	\$25,000.00	\$ 100,000.00	\$ 3,500.00	\$ 2,033,500.00
1) MCM CONSTRUCTION, INC.	\$ 6,000.00	\$ 24,000.00	\$ 6,477.00	\$ 3,763,137.00
2) GRIFFITH COMPANY	\$ 6,600.00	\$ 26,400.00	\$ 7,558.00	\$ 4,391,198.00
3) FLATIRON WEST, INC.	\$ 6,050.00	\$ 24,200.00	\$ 6,850.00	\$ 3,979,850.00
4) STEVE P. RADOS, INC.	\$ 6,250.00	\$ 25,000.00	\$ 7,000.00	\$ 4,067,000.00
5) CC MYERS, INC.	\$ 6,000.00	\$ 24,000.00	\$ 7,000.00	\$ 4,067,000.00

1) AVERAGE BID	\$ 6,180.00	\$ 24,720.00	\$ 6,977.00	\$ 4,053,637.00
2) STANDARD DEVIATION	\$ 256.42	\$ 1,025.67	\$ 388.83	\$ 225,908.91
3) ENG. EST. - LOW BIDDER	\$ 19,000.00	\$ 76,000.00	\$ (2,977.00)	\$ (1,729,637.00)

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	ITEM 22	ITEM 23	ITEM 24
	EARTH RETAINING STRUCTURE (MSE)  LUMP SUM	STORM DRAIN SYSTEM  LUMP SUM	WATER SYSTEM EXCLUDING DWP WATER RELOCATION & FIRE SERVICES IN BID ITEM NO. 25 LUMP SUM
ENGINEERING ESTIMATE	\$ 3,800,000.00	\$ 1,330,000.00	\$ 1,840,000.00
1) MCM CONSTRUCTION, INC.	\$ 1,100,000.00	\$ 400,000.00	\$ 870,000.00
2) GRIFFITH COMPANY	\$ 3,000,000.00	\$ 700,000.00	\$ 840,000.00
3) FLATIRON WEST, INC.	\$ 1,700,000.00	\$ 650,000.00	\$ 1,150,000.00
4) STEVE P. RADOS, INC.	\$ 2,000,000.00	\$ 750,000.00	\$ 1,000,000.00
5) CC MYERS, INC.	\$ 1,390,000.00	\$ 590,000.00	\$ 800,000.00

1) AVERAGE BID	\$ 1,838,000.00	\$ 618,000.00	\$ 932,000.00
2) STANDARD DEVIATION	\$ 731,587.32	\$ 135,535.97	\$ 143,073.41
3) ENG. EST. - LOW BIDDER	\$ 2,700,000.00	\$ 930,000.00	\$ 970,000.00

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	ITEM 25	ITEM 26	ITEM 27	
	DWP WATER RELOCATION & FIRE SERVICES	SANITARY SEWER SYSTEM	RESTRIKING OCTAGONAL CONCRETE PRODUCTION PILES	
	LUMP SUM	LUMP SUM	Each Approx. Qty. =	50
ENGINEERING ESTIMATE	\$ 700,000.00	\$ 150,000.00	\$ 2,000.00	\$ 100,000.00
1) MCM CONSTRUCTION, INC.	\$ 350,000.00	\$ 150,000.00	\$ 1,500.00	\$ 75,000.00
2) GRIFFITH COMPANY	\$ 520,000.00	\$ 390,000.00	\$ 3,000.00	\$ 150,000.00
3) FLATIRON WEST, INC.	\$ 650,000.00	\$ 200,000.00	\$ 1,515.00	\$ 75,750.00
4) STEVE P. RADOS, INC.	\$ 375,000.00	\$ 175,000.00	\$ 1,600.00	\$ 80,000.00
5) CC MYERS, INC.	\$ 480,000.00	\$ 360,000.00	\$ 1,500.00	\$ 75,000.00

1) AVERAGE BID	\$ 475,000.00	\$ 255,000.00	\$ 1,823.00	\$ 91,150.00
2) STANDARD DEVIATION	\$ 120,726.96	\$ 111,467.48	\$ 659.28	\$ 32,963.81
3) ENG. EST. - LOW BIDDER	\$ 350,000.00	\$ -	\$ 500.00	\$ 25,000.00

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	ITEM 28		ITEM 29	
	TRANSPORT & STOCKPILE OCTAGONAL CONCRETE PILES WITHIN HARBOR DEPT WATERFRONT		PERFORM PILE CUT-OFFS OVER 6-FEET LONG	
	Each Approx. Qty. =	20	Each Approx. Qty. =	50
ENGINEERING ESTIMATE	\$1,000.00	\$ 20,000.00	\$ 950.00	\$ 47,500.00
1) MCM CONSTRUCTION, INC.	\$ 100.00	\$ 2,000.00	\$ 100.00	\$ 5,000.00
2) GRIFFITH COMPANY	\$ 150.00	\$ 3,000.00	\$ 130.00	\$ 6,500.00
3) FLATIRON WEST, INC.	\$ 101.00	\$ 2,020.00	\$ 101.00	\$ 5,050.00
4) STEVE P. RADOS, INC.	\$ 250.00	\$ 5,000.00	\$ 250.00	\$ 12,500.00
5) CC MYERS, INC.	\$ 100.00	\$ 2,000.00	\$ 100.00	\$ 5,000.00

1) AVERAGE BID	\$ 140.20	\$ 2,804.00	\$ 136.20	\$ 6,810.00
2) STANDARD DEVIATION	\$ 65.04	\$ 1,300.80	\$ 64.90	\$ 3,245.07
3) ENG. EST. - LOW BIDDER	\$ 900.00	\$ 18,000.00	\$ 850.00	\$ 42,500.00

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	ITEM 30		ITEM 31	
	REMOVE AND DISPOSE OF ASBESTOS CEMENT PIPE		TRENCH SUBGRADE STABILIZATION	
	Lin. Ft. Approx. Qty. =	200	Cu. Yds. Approx. Qty. =	100
ENGINEERING ESTIMATE	\$ 250.00	\$ 50,000.00	\$ 90.00	\$ 9,000.00
1) MCM CONSTRUCTION, INC.	\$ 28.00	\$ 5,600.00	\$ 100.00	\$ 10,000.00
2) GRIFFITH COMPANY	\$ 90.00	\$ 18,000.00	\$ 85.00	\$ 8,500.00
3) FLATIRON WEST, INC.	\$ 115.00	\$ 23,000.00	\$ 150.00	\$ 15,000.00
4) STEVE P. RADOS, INC.	\$ 100.00	\$ 20,000.00	\$ 100.00	\$ 10,000.00
5) CC MYERS, INC.	\$ 30.00	\$ 6,000.00	\$ 85.00	\$ 8,500.00

1) AVERAGE BID	\$ 72.60	\$ 14,520.00	\$ 104.00	\$ 10,400.00
2) STANDARD DEVIATION	\$ 40.79	\$ 8,157.94	\$ 26.79	\$ 2,678.62
3) ENG. EST. - LOW BIDDER	\$ 222.00	\$ 44,400.00	\$ (10.00)	\$ (1,000.00)

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	ITEM 32		ITEM 33	
	EXCAVATE, STOCKPILE, & DISPOSE OR RECY CHEM IMPACTED NON-HAZ WASTE SOIL & REPLACE W/IMPORTED SOIL, FROM 0 TO 250 TONS PER		EXCAVATE, STOCKPILE, & DISPOSE OR RECY CHEM IMPACT NON-HAZ WASTE SOIL & REPLACE W/IMPORT SOIL, FROM OVER 250 TO 1,000 TONS PER OCCURRENCE	
	Tons Approx. Qty. =	5000	Tons Approx. Qty. =	5000
ENGINEERING ESTIMATE	\$ 120.00	\$ 600,000.00	\$ 100.00	\$ 500,000.00
1) MCM CONSTRUCTION, INC.	\$ 45.00	\$ 225,000.00	\$ 45.00	\$ 225,000.00
2) GRIFFITH COMPANY	\$ 36.00	\$ 180,000.00	\$ 32.00	\$ 160,000.00
3) FLATIRON WEST, INC.	\$ 42.00	\$ 210,000.00	\$ 42.00	\$ 210,000.00
4) STEVE P. RADOS, INC.	\$ 48.50	\$ 242,500.00	\$ 49.50	\$ 247,500.00
5) CC MYERS, INC.	\$ 67.00	\$ 335,000.00	\$ 62.00	\$ 310,000.00

1) AVERAGE BID	\$ 47.70	\$ 238,500.00	\$ 46.10	\$ 230,500.00
2) STANDARD DEVIATION	\$ 11.72	\$ 58,619.54	\$ 10.97	\$ 54,840.68
3) ENG. EST. - LOW BIDDER	\$ 75.00	\$ 375,000.00	\$ 55.00	\$ 275,000.00

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	ITEM 34		ITEM 35	
	EXCAVATE, STOCKPILE, & DISPOSE OR RECY RCRA HAZARDOUS WASTE SOIL & REPLACE W/IMPORT SOIL, FROM OVER 0 TO 250 TONS PER OCCURRENCE		EXCAVATE, STOCKPILE, & DISPOSE OR RECY RCRA HAZARDOUS WASTE SOIL & REPLACE W/IMPORT SOIL, FROM OVER 250 TO 1,000 TONS PER OCCURRENCE	
	Tons Approx. Qty. =	3000	Tons Approx. Qty. =	3000
ENGINEERING ESTIMATE	\$ 100.00	\$300,000.00	90	\$270,000.00
1) MCM CONSTRUCTION, INC.	\$ 92.00	\$ 276,000.00	\$ 92.00	\$ 276,000.00
2) GRIFFITH COMPANY	\$ 85.00	\$ 255,000.00	\$ 85.00	\$ 255,000.00
3) FLATIRON WEST, INC.	\$ 75.00	\$ 225,000.00	\$ 75.00	\$ 225,000.00
4) STEVE P. RADOS, INC.	\$ 122.00	\$ 366,000.00	\$ 122.00	\$ 366,000.00
5) CC MYERS, INC.	\$ 115.00	\$ 345,000.00	\$ 110.00	\$ 330,000.00

1) AVERAGE BID	\$ 97.80	\$	293,400.00	\$ 96.80	\$	290,400.00
2) STANDARD DEVIATION	\$ 19.99	\$	59,977.50	\$ 19.02	\$	57,055.24
3) ENG. EST. - LOW BIDDER	\$ 8.00	\$	24,000.00	\$ (2.00)	\$	(6,000.00)

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	ITEM 36		ITEM 37	
	EXCAVATE, STOCKPILE, & DISPOSE OR RECY NON-RCRA CA HAZARDOUS WASTE SOIL & REPLACE W/IMPORT SOIL, FROM OVER 0 TO 250 TONS PER OCCURRENCE		EXCAVATE, STOCKPILE, & DISPOSE OR RECY NON-RCRA CA HAZARDOUS WASTE SOIL & REPLACE W/IMPORT SOIL, FROM OVER 250 TO 1,000 TONS PER OCCURRENCE	
	Tons Approx. Qty. =	3000	Tons Approx. Qty. =	3000
ENGINEERING ESTIMATE	\$ 120.00	\$360,000.00	\$ 100.00	\$300,000.00
1) MCM CONSTRUCTION, INC.	\$ 85.00	\$ 255,000.00	\$ 85.00	\$ 255,000.00
2) GRIFFITH COMPANY	\$ 73.00	\$ 219,000.00	\$ 73.00	\$ 219,000.00
3) FLATIRON WEST, INC.	\$ 70.00	\$ 210,000.00	\$ 70.00	\$ 210,000.00
4) STEVE P. RADOS, INC.	\$ 90.00	\$ 270,000.00	\$ 92.00	\$ 276,000.00
5) CC MYERS, INC.	\$ 110.00	\$ 330,000.00	\$ 105.00	\$ 315,000.00

1) AVERAGE BID	\$ 85.60	\$ 256,800.00	\$ 85.00	\$ 255,000.00
2) STANDARD DEVIATION	\$ 15.95	\$ 47,840.36	\$ 14.30	\$ 42,901.05
3) ENG. EST. - LOW BIDDER	\$ 35.00	\$ 105,000.00	\$ 15.00	\$ 45,000.00

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	ITEM 38		ITEM 39	
	COLLECT & DISPOSE OR RECY CHEM IMPACTED NON-HAZARDOUS WASTE GROUNDWATER, FROM 0 TO 20,000 GALLONS PER OCCURRENCE		COLLECT & DISPOSE OR RECY CHEM IMPACTED NON-HAZARDOUS WASTE GROUNDWATER, FROM OVER 20,000 GALLONS TO 60,000 GALLONS PER OCCURRENCE	
	Gallons Approx. Qty. =	120000	Gallons Approx. Qty. =	180000
ENGINEERING ESTIMATE	\$ 1.20	\$144,000.00	\$ 1.00	\$180,000.00
1) MCM CONSTRUCTION, INC.	\$ 0.05	\$ 6,000.00	\$ 0.05	\$ 9,000.00
2) GRIFFITH COMPANY	\$ 0.05	\$ 6,000.00	\$ 0.20	\$ 36,000.00
3) FLATIRON WEST, INC.	\$ 0.45	\$ 54,000.00	\$ 0.45	\$ 81,000.00
4) STEVE P. RADOS, INC.	\$ 0.80	\$ 96,000.00	\$ 0.75	\$ 135,000.00
5) CC MYERS, INC.	\$ 1.50	\$ 180,000.00	\$ 1.50	\$ 270,000.00

1) AVERAGE BID	\$ 0.57	\$ 68,400.00	\$ 0.59	\$ 106,200.00
2) STANDARD DEVIATION	\$ 0.61	\$ 72,820.33	\$ 0.57	\$ 103,284.56
3) ENG. EST. - LOW BIDDER	\$ 1.15	\$ 138,000.00	\$ 0.95	\$ 171,000.00

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	ITEM 40		ITEM 41	
	COLLECT & DISPOSE OR RECY RCRA HAZARDOUS WASTE GROUNDWATER, FROM OVER 0 TO 20,000 GALLONS PER OCCURRENCE		COLLECT & DISPOSE OR RECY RCRA HAZARDOUS WASTE GROUNDWATER, FROM OVER 20,000 GALLONS TO 60,000 GALLONS PER OCCURRENCE	
	Gallons Approx. Qty. =	120000	Gallons Approx. Qty. =	180000
ENGINEERING ESTIMATE	\$ 1.20	\$144,000.00	\$ 1.00	\$180,000.00
1) MCM CONSTRUCTION, INC.	\$ 0.15	\$ 18,000.00	\$ 0.15	\$ 27,000.00
2) GRIFFITH COMPANY	\$ 0.08	\$ 9,600.00	\$ 0.40	\$ 72,000.00
3) FLATIRON WEST, INC.	\$ 0.75	\$ 90,000.00	\$ 0.75	\$ 135,000.00
4) STEVE P. RADOS, INC.	\$ 0.80	\$ 96,000.00	\$ 0.75	\$ 135,000.00
5) CC MYERS, INC.	\$ 3.00	\$ 360,000.00	\$ 3.00	\$ 540,000.00

1) AVERAGE BID	\$ 0.96	\$ 114,720.00	\$ 1.01	\$ 181,800.00
2) STANDARD DEVIATION	\$ 1.19	\$ 142,766.21	\$ 1.14	\$ 205,369.67
3) ENG. EST. - LOW BIDDER	\$ 1.05	\$ 126,000.00	\$ 0.85	\$ 153,000.00

SPECIFICATION NO. 2690  
 SOUTH WILMINGTON GRADE SEPARATION  
 PROJ. CONST. MGR: MICHAEL SWORDS

	ITEM 42		ITEM 43	
	COLLECT & DISPOSE OR RECY NON-RCRA CA HAZARDOUS WASTE GROUNDWATER, FROM OVER 0 TO 20,000 GALLONS PER OCCURRENCE		COLLECT & DISPOSE OR RECY NON-RCRA CA HAZARDOUS WASTE GROUNDWATER, FROM OVER 20,000 GALLONS TO 60,000 GALLONS PER OCCURRENCE	
	Gallons Aprox. Qty. =	120000	Gallons Aprox. Qty. =	180000
ENGINEERING ESTIMATE	\$ 1.20	\$144,000.00	\$ 1.00	\$180,000.00
1) MCM CONSTRUCTION, INC.	\$ 0.10	\$ 12,000.00	\$ 0.10	\$ 18,000.00
2) GRIFFITH COMPANY	\$ 0.09	\$ 10,800.00	\$ 0.45	\$ 81,000.00
3) FLATIRON WEST, INC.	\$ 0.75	\$ 90,000.00	\$ 0.75	\$ 135,000.00
4) STEVE P. RADOS, INC.	\$ 0.80	\$ 96,000.00	\$ 0.75	\$ 135,000.00
5) CC MYERS, INC.	\$ 1.50	\$ 180,000.00	\$ 1.50	\$ 270,000.00

1) AVERAGE BID	\$ 0.65	\$ 77,760.00	\$ 0.71	\$ 127,800.00
2) STANDARD DEVIATION	\$ 0.59	\$ 70,255.88	\$ 0.52	\$ 92,966.12
3) ENG. EST. - LOW BIDDER	\$ 1.10	\$ 132,000.00	\$ 0.90	\$ 162,000.00

**SPECIFICATION NO. 2690**  
**SOUTH WILMINGTON GRADE SEPARATION**  
**PROJ. CONST. MGR: MICHAEL SWORDS**

	ITEM 44		ITEM 45	
	EXCAVATE, REMOVE, DISPOSE, & REPLACE GEOTECHNICALLY UNSUITABLE SOIL		EXCAVATE, REMOVE, DISPOSE OF EXCESS SOIL	
	Cu. Yds. Aprox. Qty. = 5000		Cu. Yds. Aprox. Qty. = 14000	
ENGINEERING ESTIMATE	\$ 30.00	\$150,000.00	\$ 15.00	\$210,000.00
1) MCM CONSTRUCTION, INC.	\$ 20.00	\$ 100,000.00	\$ 15.00	\$ 210,000.00
2) GRIFFITH COMPANY	\$ 9.00	\$ 45,000.00	\$ 8.00	\$ 112,000.00
3) FLATIRON WEST, INC.	\$ 10.00	\$ 50,000.00	\$ 6.00	\$ 84,000.00
4) STEVE P. RADOS, INC.	\$ 23.00	\$ 115,000.00	\$ 6.00	\$ 84,000.00
5) CC MYERS, INC.	\$ 45.00	\$ 225,000.00	\$ 18.00	\$ 252,000.00

1) AVERAGE BID	\$ 21.40	\$ 107,000.00	\$ 10.60	\$ 148,400.00
2) STANDARD DEVIATION	\$ 14.54	\$ 72,680.81	\$ 5.55	\$ 77,696.85
3) ENG. EST. - LOW BIDDER	\$ 10.00	\$ 50,000.00	\$ -	\$ -

SPECIFICATION NO. 2690  
 SOUTH WILMINGTON GRADE SEPARATION  
 PROJ. CONST. MGR: MICHAEL SWORDS

	ITEM 46	ITEM 47	ITEM 48
	PERFORM UNFORSEEN UTILITY & SUBSTRUCTURE MODIFICATION, REMOVALS, & ADDITIONS (ALLOWANCE ITEM)	UNFORSEEN REGULATORY REQUIREMENTS (ALLOWANCE ITEM)	WEB BASED COLLABORATION (ALLOWANCE ITEM)
ENGINEERING ESTIMATE	\$ 2,000,000.00	\$ 500,000.00	\$ 45,000.00
1) MCM CONSTRUCTION, INC.	\$ 2,000,000.00	\$ 500,000.00	\$ 45,000.00
2) GRIFFITH COMPANY	\$ 2,000,000.00	\$ 500,000.00	\$ 45,000.00
3) FLATIRON WEST, INC.	\$ 2,000,000.00	\$ 500,000.00	\$ 45,000.00
4) STEVE P. RADOS, INC.	\$ 2,000,000.00	\$ 500,000.00	\$ 45,000.00
5) CC MYERS, INC.	\$ 2,000,000.00	\$ 500,000.00	\$ 45,000.00
1) AVERAGE BID	\$ 2,000,000.00	\$ 500,000.00	\$ 45,000.00
2) STANDARD DEVIATION	\$ -	\$ -	\$ -
3) ENG. EST. - LOW BIDDER	\$ -	\$ -	\$ -

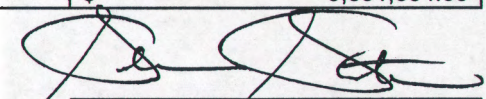
SPECIFICATION NO. 2690  
 SOUTH WILMINGTON GRADE SEPARATION  
 PROJ. CONST. MGR: MICHAEL SWORDS

	ITEM 49	ITEM 50	ITEM 51
	OWNER DIRECTED PREMIUM TIME WORK  (ALLOWANCE ITEM)	UNFORESEEN REMOVALS  (ALLOWANCE ITEM)	GUARD SERVICE COMPENSATION  (ALLOWANCE ITEM)
ENGINEERING ESTIMATE	\$ 300,000.00	\$ 500,000.00	\$ 290,000.00
1) MCM CONSTRUCTION, INC.	\$ 300,000.00	\$ 500,000.00	\$ 290,000.00
2) GRIFFITH COMPANY	\$ 300,000.00	\$ 500,000.00	\$ 290,000.00
3) FLATIRON WEST, INC.	\$ 300,000.00	\$ 500,000.00	\$ 290,000.00
4) STEVE P. RADOS, INC.	\$ 300,000.00	\$ 500,000.00	\$ 290,000.00
5) CC MYERS, INC.	\$ 300,000.00	\$ 500,000.00	\$ 290,000.00
1) AVERAGE BID	\$ 300,000.00	\$ 500,000.00	\$ 290,000.00
2) STANDARD DEVIATION	\$ -	\$ -	\$ -
3) ENG. EST. - LOW BIDDER	\$ -	\$ -	\$ -

SPECIFICATION NO. 2690  
SOUTH WILMINGTON GRADE SEPARATION  
PROJ. CONST. MGR: MICHAEL SWORDS

	GRAND TOTAL BID ITEMS 1 - 51	
ENGINEERING ESTIMATE	\$	56,379,500.00
1) MCM CONSTRUCTION, INC.	\$	47,288,416.00
2) GRIFFITH COMPANY	\$	51,053,744.00
3) FLATIRON WEST, INC.	\$	51,950,000.00
4) STEVE P. RADOS, INC.	\$	54,446,300.00
5) CC MYERS, INC.	\$	58,499,000.00

1) AVERAGE BID	\$	52,647,492.00
2) STANDARD DEVIATION	\$	4,159,990.37
3) ENG. EST. - LOW BIDDER	\$	9,091,084.00

  
SHAUN SHAHRESTANI  
CHIEF HARBOR ENGINEER  
CONSTRUCTION DIVISION