

Bid Summary

Crosby Ave. Pipe Bores and Storm Outfall

Bid Opening: September 13, 2005

By: Kent W. Marsh, Project Engineer

Item No.	CDOT, City Ref.	Description	Quantity	Units	Estimate -		MA Concrete Construction		SEMA Construction		Low Unit Price	High Unit Price	Average Unit Price
					Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price			
1	103.13	CDPHE Construction Dewatering Wastewater Discharge Permit	1.	LS	\$ 15,000.00	\$ 15,000.00	\$ 550.00	\$ 550.00	\$ 95,000.00	\$ 95,000.00	\$ 550.00	\$ 95,000.00	\$ 47,775.00
2	104.3	Fiber Optic Encasement	1.	LS	\$ 2,500.00	\$ 2,500.00	\$ 900.00	\$ 900.00	\$ 4,700.00	\$ 4,700.00	\$ 900.00	\$ 4,700.00	\$ 2,800.00
3	108.2	Imported Trench Backfill	100.	ton	\$ 11.00	\$ 1,100.00	\$ 10.00	\$ 1,000.00	\$ 12.00	\$ 1,200.00	\$ 10.00	\$ 12.00	\$ 11.00
4	108.2	8" Gravity Sewer Pipe (SDR-35 PVC)	283.	lf	\$ 35.00	\$ 9,905.00	\$ 40.00	\$ 11,320.00	\$ 180.00	\$ 50,940.00	\$ 40.00	\$ 180.00	\$ 110.00
5	108.2	12" Storm Drain (Class - 3 RCP or Corrugated Steel, AASHTO M-245, Type-1A Ultraflow or equiv.)	12.	lf	\$ 65.00	\$ 780.00	\$ 74.00	\$ 888.00	\$ 230.00	\$ 2,760.00	\$ 74.00	\$ 230.00	\$ 152.00
6	108.2	36" Storm Drain (Class - 3 RCP or Corrugated Steel, AASHTO M-245, Type-1A Ultraflow or equiv.)	171.	lf	\$ 65.00	\$ 11,115.00	\$ 85.00	\$ 14,535.00	\$ 120.00	\$ 20,520.00	\$ 85.00	\$ 120.00	\$ 102.50
7	108.2	Guided Horizontal Bore (54" Storm Drain Casing / Carrier Pipe, Steel)(0.781" wall thickness)	409.	lf	\$ 1,200.00	\$ 490,800.00	\$ 1,420.00	\$ 580,780.00	\$ 990.00	\$ 404,910.00	\$ 990.00	\$ 1,420.00	\$ 1,205.00
8	108.2	8" Water Main (C-900 PVC)	14.	lf	\$ 60.00	\$ 840.00	\$ 220.00	\$ 3,080.00	\$ 210.00	\$ 2,940.00	\$ 210.00	\$ 220.00	\$ 215.00
9	108.2	Culvert End Section and Toe Plate (36" Dia. Pipe)(Contech or approved equal)	1.	ea	\$ 5,500.00	\$ 5,500.00	\$ 1,100.00	\$ 1,100.00	\$ 2,000.00	\$ 2,000.00	\$ 1,100.00	\$ 2,000.00	\$ 1,550.00
10	108.3	8" Fitting (Special)(Hymax Coupling)	2.	ea	\$ 600.00	\$ 1,200.00	\$ 295.00	\$ 590.00	\$ 1,300.00	\$ 2,600.00	\$ 295.00	\$ 1,300.00	\$ 797.50
11	108.3	8" - Fitting (Special)(45° Bend)	4.	ea	\$ 550.00	\$ 2,200.00	\$ 240.00	\$ 960.00	\$ 1,700.00	\$ 6,800.00	\$ 240.00	\$ 1,700.00	\$ 970.00
12	108.3	6'x6' Sluice Gate (Waterman Industries, Series 3000 or approved equal)	1.	LS	\$ 21,000.00	\$ 21,000.00	\$ 26,000.00	\$ 26,000.00	\$ 30,700.00	\$ 30,700.00	\$ 26,000.00	\$ 30,700.00	\$ 28,350.00
13	108.3	6' x 6' Rectangular Flap Valve (Rodney Hunt, Series FV-AR or approved equal)	1.	LS	\$ 22,000.00	\$ 22,000.00	\$ 23,000.00	\$ 23,000.00	\$ 27,700.00	\$ 27,700.00	\$ 23,000.00	\$ 27,700.00	\$ 25,350.00

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14	108.5	Sanitary Sewer Basic Manhole (48" I.D.)	4.	ea	\$ 2,500.00	\$ 10,000.00	\$ 2,442.00	\$ 9,768.00	\$ 3,500.00	\$ 14,000.00	\$ 2,442.00	\$ 3,500.00	\$ 2,971.00
15	108.5	Manhole Barrel Section (D >5')(48" I.D.)	10.	lf	\$ 100.00	\$ 1,000.00	\$ 80.00	\$ 800.00	\$ 470.00	\$ 4,700.00	\$ 80.00	\$ 470.00	\$ 275.00
16	108.6	Storm Drain Junction Box (CDOT Type-R Inlet)(3'x15')	2.	ea	\$ 9,000.00	\$ 18,000.00	\$ 11,500.00	\$ 23,000.00	\$ 7,200.00	\$ 14,400.00	\$ 7,200.00	\$ 11,500.00	\$ 9,350.00
17	108.6	Storm Drain Junction Box Riser Section (>5')(Modified CDOT Type-R Inlet)(3'x15')	21.	lf	\$ 100.00	\$ 2,100.00	\$ 522.00	\$ 10,962.00	\$ 1,300.00	\$ 27,300.00	\$ 522.00	\$ 1,300.00	\$ 911.00
18	108.6	Storm Drain Junction Box (Modified CDOT Type-R Inlet)(3'x20')	1.	lf	\$ 11,000.00	\$ 11,000.00	\$ 20,400.00	\$ 20,400.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 20,400.00	\$ 14,200.00
19	108.6	Storm Drain Junction Box Riser Section (>5') (Modified CDOT Type-R Inlet)(3'x20')	6.	lf	\$ 200.00	\$ 1,200.00	\$ 577.00	\$ 3,462.00	\$ 1,400.00	\$ 8,400.00	\$ 577.00	\$ 1,400.00	\$ 988.50
20	108.6	Storm Drain Junction Box (Modified CDOT Type-R Inlet)(7'x20')	1.	ea	\$ 14,000.00	\$ 14,000.00	\$ 23,653.00	\$ 23,653.00	\$ 12,900.00	\$ 12,900.00	\$ 12,900.00	\$ 23,653.00	\$ 18,276.50
21	108.6	Storm Drain Junction Box Riser Section (>5')(Modified CDOT Type-R Inlet)(7'x20')	1.	lf	\$ 1,000.00	\$ 1,000.00	\$ 935.00	\$ 935.00	\$ 4,300.00	\$ 4,300.00	\$ 935.00	\$ 4,300.00	\$ 2,617.50
22	108.7	Granular stabilization material (Type B)	2.14	ton	\$ 15.00	\$ 32.10	\$ 62.00	\$ 132.68	\$ 370.00	\$ 791.80	\$ 62.00	\$ 370.00	\$ 216.00
23	201	Clearing and Grubbing	1.	LS	\$ 5,500.00	\$ 5,500.00	\$ 18,000.00	\$ 18,000.00	\$ 13,000.00	\$ 13,000.00	\$ 13,000.00	\$ 18,000.00	\$ 15,500.00
24	202	Remove Asphalt Pavement	254.	sy	\$ 25.00	\$ 6,350.00	\$ 7.00	\$ 1,778.00	\$ 12.00	\$ 3,048.00	\$ 7.00	\$ 12.00	\$ 9.50
25	202	Remove miscellaneous concrete including but not limited to, concrete curbs, gutters, sidewalks, driveways, slabs, etc (includes saw cut).	67.	sy	\$ 16.00	\$ 1,072.00	\$ 9.00	\$ 603.00	\$ 61.00	\$ 4,087.00	\$ 9.00	\$ 61.00	\$ 35.00

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26	202	Remove concrete structure (headwall, wingwalls, footers and floor of ex. outlet structure.)	1.	ea	\$ 3,500.00	\$ 3,500.00	\$ 2,300.00	\$ 2,300.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,300.00	\$ 2,150.00
27	202	Remove concrete structure (manhole, base, ring and cover)	2.	ea	\$ 1,500.00	\$ 3,000.00	\$ 261.00	\$ 522.00	\$ 660.00	\$ 1,320.00	\$ 261.00	\$ 660.00	\$ 460.50
28	202	Plug and abandon pipe (all sizes, all types)	1.	ea	\$ 110.00	\$ 110.00	\$ 475.00	\$ 475.00	\$ 1,500.00	\$ 1,500.00	\$ 475.00	\$ 1,500.00	\$ 987.50
29	203	Disposal of radioactive mill tailings	20.	cy	\$ 16.00	\$ 320.00	\$ 17.00	\$ 340.00	\$ 130.00	\$ 2,600.00	\$ 17.00	\$ 130.00	\$ 73.50
30	203	Complete In Place Grading (Drainage Outfall)(Cut = 2,120 cy)	1.	LS	\$ 13,000.00	\$ 13,000.00	\$ 15,700.00	\$ 15,700.00	\$ 72,600.00	\$ 72,600.00	\$ 15,700.00	\$ 72,600.00	\$ 44,150.00
31	203	Place Bentonite on channel side slope (12" thick)	1.	LS	\$ 5,500.00	\$ 5,500.00	\$ 8,900.00	\$ 8,900.00	\$ 13,100.00	\$ 13,100.00	\$ 8,900.00	\$ 13,100.00	\$ 11,000.00
32	203	Stripping (removing and replacing top 6" of wetland soil)	605.	sy	\$ 15.00	\$ 9,075.00	\$ 13.00	\$ 7,865.00	\$ 15.00	\$ 9,075.00	\$ 13.00	\$ 15.00	\$ 14.00
33	208	Erosion log (20" Diameter)	100.	lf	\$ 8.00	\$ 800.00	\$ 9.00	\$ 900.00	\$ 7.50	\$ 750.00	\$ 7.50	\$ 9.00	\$ 8.25
34	208	Storm drain inlet protection	2.	ea	\$ 250.00	\$ 500.00	\$ 165.00	\$ 330.00	\$ 680.00	\$ 1,360.00	\$ 165.00	\$ 680.00	\$ 422.50
35	209	Dust abatement	1.	LS	\$ 6,000.00	\$ 6,000.00	\$ 1,200.00	\$ 1,200.00	\$ 11,300.00	\$ 11,300.00	\$ 1,200.00	\$ 11,300.00	\$ 6,250.00
36	210	Reset fence (all sizes, all types)	180.	lf	\$ 14.00	\$ 2,520.00	\$ 16.00	\$ 2,880.00	\$ 29.00	\$ 5,220.00	\$ 16.00	\$ 29.00	\$ 22.50
37	212	Seeding (Native)	0.5	acre	\$ 2,500.00	\$ 1,250.00	\$ 2,200.00	\$ 1,100.00	\$ 4,600.00	\$ 2,300.00	\$ 2,200.00	\$ 4,600.00	\$ 3,400.00
38	304	Aggregate Base Course (Class - 6)(6 inch thick)	3,269.	sy	\$ 7.00	\$ 22,883.00	\$ 4.60	\$ 15,037.40	\$ 11.00	\$ 35,959.00	\$ 4.60	\$ 11.00	\$ 7.80
39	401	Hot Bituminous Pavement (3" thick)(Grading SX, Binder Grade PG 76-22)	254.	sy	\$ 14.50	\$ 3,683.00	\$ 27.00	\$ 6,858.00	\$ 30.00	\$ 7,620.00	\$ 27.00	\$ 30.00	\$ 28.50

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40	420	Geotextile (Erosion Control)(Class-A)(Vmax SC250 or equivalent)	462.	sy	\$ 4.00	\$ 1,848.00	\$ 8.40	\$ 3,880.80	\$ 6.00	\$ 2,772.00	\$ 6.00	\$ 8.40	\$ 7.20
41	514	Hand Railing (P1.5 x 2.72 Steel Pipe)	18.	lf	\$ 65.00	\$ 1,170.00	\$ 250.00	\$ 4,500.00	\$ 270.00	\$ 4,860.00	\$ 250.00	\$ 270.00	\$ 260.00
42	514	Grate 4'x16', Grid = 1"x3")	1.	LS	\$ 850.00	\$ 850.00	\$ 2,400.00	\$ 2,400.00	\$ 10,400.00	\$ 10,400.00	\$ 2,400.00	\$ 10,400.00	\$ 6,400.00
43	601	Concrete, Class-B (Wall)	50.	cy	\$ 600.00	\$ 30,000.00	\$ 820.00	\$ 41,000.00	\$ 790.00	\$ 39,500.00	\$ 790.00	\$ 820.00	\$ 805.00
44	608	Concrete Bikeway (4" thick)	54.	sy	\$ 32.00	\$ 1,728.00	\$ 57.00	\$ 3,078.00	\$ 76.00	\$ 4,104.00	\$ 57.00	\$ 76.00	\$ 66.50
45	608	Concrete Drainage Pan	68.	sy	\$ 45.00	\$ 3,060.00	\$ 86.00	\$ 5,848.00	\$ 100.00	\$ 6,800.00	\$ 86.00	\$ 100.00	\$ 93.00
46	620	Sanitary facilities	1.	LS	\$ 250.00	\$ 250.00	\$ 550.00	\$ 550.00	\$ 2,100.00	\$ 2,100.00	\$ 550.00	\$ 2,100.00	\$ 1,325.00
47	625	Construction surveying	1.	LS	\$ 12,500.00	\$ 12,500.00	\$ 3,500.00	\$ 3,500.00	\$ 4,200.00	\$ 4,200.00	\$ 3,500.00	\$ 4,200.00	\$ 3,850.00
48	626	Mobilization	1.	LS	\$ 25,000.00	\$ 25,000.00	\$ 92,000.00	\$ 92,000.00	\$ 93,500.00	\$ 93,500.00	\$ 92,000.00	\$ 93,500.00	\$ 92,750.00
49	629	Survey monument (Complete in Place)(Type: Property Pin)	1.	ea	\$ 350.00	\$ 350.00	\$ 495.00	\$ 495.00	\$ 760.00	\$ 760.00	\$ 495.00	\$ 760.00	\$ 627.50
50	630	Traffic control plan	1.	LS	\$ 250.00	\$ 250.00	\$ 275.00	\$ 275.00	\$ 1,800.00	\$ 1,800.00	\$ 275.00	\$ 1,800.00	\$ 1,037.50
51	630	Traffic control (Complete in Place)	1.	LS	\$ 7,500.00	\$ 7,500.00	\$ 10,000.00	\$ 10,000.00	\$ 11,700.00	\$ 11,700.00	\$ 10,000.00	\$ 11,700.00	\$ 10,850.00
52	630	Flagging	250.	hr	\$ 26.50	\$ 6,625.00	\$ 22.00	\$ 5,500.00	\$ 29.00	\$ 7,250.00	\$ 22.00	\$ 29.00	\$ 25.50
53	630	Message board	3.	days	\$ 300.00	\$ 900.00	\$ 660.00	\$ 1,980.00	\$ 590.00	\$ 1,770.00	\$ 590.00	\$ 660.00	\$ 625.00
54	GCC-56	Weekly newsletter (approximately 50 per week)	1.	LS	\$ 500.00	\$ 500.00	\$ 450.00	\$ 450.00	\$ 4,900.00	\$ 4,900.00	\$ 450.00	\$ 4,900.00	\$ 2,675.00
FA		Force Account (minor contract revisions)	1.	---	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00

Bid at least one of the four following options

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Bid Option 1													
55	108.2	54" Storm Drain (Class - 3 RCP)	1,522.	lf	\$ 145.60	\$ 221,603.20	\$ 165.00	\$ 251,130.00	\$ 213.00	\$ 324,186.00	\$ 165.00	\$ 213.00	\$ 189.00
56	108.2	54" Storm Drain (166° Bend)	4.	ea	\$ 2,500.00	\$ 10,000.00	\$ 1,515.00	\$ 6,060.00	\$ 2,500.00	\$ 10,000.00	\$ 1,515.00	\$ 2,500.00	\$ 2,007.50
Bid Option 2													
57	108.2	54" Storm Drain (Corrugated Steel, Type-1A Smoothcor or equiv.)	1,522.		\$ 150.00	\$ 228,300.00	na	na	na	na	na	na	na
58	108.2	54" Storm Drain (166° Bend)	4.		\$ 2,500.00	\$ 10,000.00	na	na	na	na	na	na	na
Bid Option 3													
59	601	Concrete, Class D (Box Culvert)(4'x8')	759.	cy	\$ 370.00	\$ 280,830.00	na	na	na	na	na	na	na
Bid Option 4													
60	603	4 Foot x 8 Foot Concrete Box Culvert (Precast)	759.	lf	\$ 400.00	\$ 303,600.00	na	na	na	na	na	na	na
61	603	4 Foot x 8 Foot Concrete Box Culvert Fitting (167° Bend)(Precast)	2.	ea	\$ 3,000.00	\$ 6,000.00	na	na	na	na	na	na	na
Addendum 1													
62	208	Storm drain inlet protection (Filter Sock)	2.	ea	\$ 150.00	\$ 300.00	\$ 165.00	\$ 330.00	\$ 290.00	\$ 580.00	\$ 165.00	\$ 290.00	\$ 227.50
63	608	Gate (Chain-Link)(12' width)	1.	LS	\$ 450.00	\$ 450.00	\$ 1,320.00	\$ 1,320.00	\$ 1,200.00	\$ 1,200.00	\$ 1,200.00	\$ 1,320.00	\$ 1,260.00
Addendum 3													

