

Castro Valley I-580 Interchange Improvements Project
IN ALAMEDA COUNTY IN CASTRO VALLEY
04-ALA-580
CU 04-257 EA 0234301
Engineer's Estimate (Updated 06-20-08)

				MCM CONSTRUCTION		DESILVA GATES CONST.		RGW CONSTRUCTION		GRANITE ROCK CO. (Pavex)		GORDON N. BALL, INC.		R&L BROSAMER, INC.		
Mark Thomas & Co., Inc.				UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	
ITEM NO	ITEM CODE	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
1	070012	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	1	\$2,000.00	\$2,000	\$5,000.00	\$5,000	\$5,000.00	\$5,000	\$5,000.00	\$5,000	\$2,000.00	\$2,000	\$5,000.00	\$5,000
2	071322	TEMPORARY FENCE (TYPE CL-1.8 - SLATTED)	M	100	\$60.00	\$6,000	\$50.00	\$5,000	\$50.00	\$5,000	\$25.00	\$2,500	\$45.00	\$4,500	\$125.00	\$12,500
3	071322	TEMPORARY GATE (TYPE CL-1.8)	EA	2	\$2,500.00	\$5,000	\$1,000.00	\$2,000	\$1,500.00	\$3,000	\$1,000.00	\$2,000	\$300.00	\$600	\$2,500.00	\$5,000
4	071325	TEMPORARY FENCE (TYPE ESA)	M	120	\$20.00	\$2,400	\$20.00	\$2,400	\$13.00	\$1,560	\$39.00	\$4,680	\$10.00	\$1,200	\$20.00	\$2,400
5	074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	1	\$1,500.00	\$1,500	\$5,000.00	\$5,000	\$5,000.00	\$5,000	\$5,000.00	\$5,000	\$2,000.00	\$2,000	\$5,000.00	\$5,000
6	074016	CONSTRUCTION SITE MANAGEMENT	LS	1	\$7,500.00	\$7,500	\$5,000.00	\$5,000	\$72,000.00	\$72,000	\$1.00	\$1	\$25,000.00	\$25,000	\$25,000.00	\$25,000
7	074020	WATER POLLUTION CONTROL	LS	1	\$95,000.00	\$95,000	\$25,000.00	\$25,000	\$39,000.00	\$39,000	\$10,000.00	\$10,000	\$25,000.00	\$25,000	\$20,000.00	\$20,000
8	074023	TEMPORARY EROSION CONTROL	M2	5,000	\$0.30	\$1,500	\$0.50	\$2,500	\$0.88	\$4,400	\$1.50	\$7,500	\$2.00	\$10,000	\$0.50	\$2,500
9	074027	TEMPORARY EROSION CONTROL BLANKET	M2	200	\$3.75	\$750	\$5.00	\$1,000	\$2.88	\$576	\$6.00	\$1,200	\$6.00	\$1,200	\$5.00	\$1,000
10	074028	TEMPORARY FIBER ROLLS	M	1,500	\$8.50	\$12,750	\$10.00	\$15,000	\$7.00	\$10,500	\$5.00	\$7,500	\$10.00	\$15,000	\$10.00	\$15,000
11	074029	TEMPORARY SILT FENCE	M	683	\$7.75	\$5,293	\$15.00	\$10,245	\$18.00	\$12,294	\$30.00	\$20,490	\$7.00	\$4,781	\$20.00	\$13,660
12	074033	TEMPORARY CONSTRUCTION ENTRANCE	EA	5	\$4,000.00	\$20,000	\$2,000.00	\$10,000	\$3,400.00	\$17,000	\$3,000.00	\$15,000	\$500.00	\$2,500	\$3,500.00	\$17,500
13	074034	TEMPORARY COVER	M2	3,500	\$2.00	\$7,000	\$2.00	\$7,000	\$7.00	\$24,500	\$5.00	\$17,500	\$3.00	\$10,500	\$5.00	\$17,500
14	074037	MOVE-IN/MOVE-OUT (TEMP EROSION CONTROL)	EA	3	\$850.00	\$2,550	\$600.00	\$1,800	\$515.00	\$1,545	\$2,000.00	\$6,000	\$1,000.00	\$3,000	\$1,000.00	\$3,000
15	074038	TEMPORARY DRAINAGE INLET PROTECTION	EA	90	\$350.00	\$31,500	\$200.00	\$18,000	\$250.00	\$22,500	\$200.00	\$18,000	\$100.00	\$9,000	\$300.00	\$27,000
16	074042	TEMPORARY CONCRETE WASHOUT (PORTABLE)	EA	3	\$4,500.00	\$13,500	\$4,000.00	\$12,000	\$4,100.00	\$12,300	\$2,000.00	\$6,000	\$500.00	\$1,500	\$3,500.00	\$10,500
17	S 120090	CONSTRUCTION AREA SIGNS	LS	1	\$14,000.00	\$14,000	\$15,000.00	\$15,000	\$13,000.00	\$13,000	\$13,000.00	\$13,000	\$10,000.00	\$10,000	\$15,000.00	\$15,000
18	S 120100	TRAFFIC CONTROL SYSTEM	LS	1	\$100,000.00	\$100,000	\$353,552.00	\$353,552	\$167,000.00	\$167,000	\$20,000.00	\$20,000	\$150,000.00	\$150,000	\$50,000.00	\$50,000
19	120120	TYPE III BARRICADE	EA	5	\$75.00	\$375	\$100.00	\$500	\$226.00	\$1,130	\$500.00	\$2,500	\$100.00	\$500	\$90.00	\$450
20	S 120151	TEMPORARY TRAFFIC STRIPE (TAPE)	M	13,900	\$5.25	\$72,975	\$6.00	\$83,400	\$7.00	\$97,300	\$8.00	\$111,200	\$8.00	\$111,200	\$5.00	\$69,500
21	S 120163A	TEMPORARY PLASTIC DRUM	EA	100	\$90.00	\$9,000	\$60.00	\$6,000	\$53.00	\$5,300	\$85.00	\$8,500	\$60.00	\$6,000	\$125.00	\$12,500
22	S 120165	CHANNELIZERS (SURFACE MOUNTED)	EA	610	\$50.00	\$30,500	\$30.00	\$18,300	\$22.00	\$13,420	\$35.00	\$21,350	\$25.00	\$15,250	\$35.00	\$21,350
23	S 120300	TEMPORARY PAVEMENT MARKER	EA	1,660	\$3.00	\$4,980	\$4.00	\$6,640	\$3.50	\$5,810	\$4.00	\$6,640	\$4.00	\$6,640	\$4.00	\$6,640
24	S 121161	TEMPORARY TERMINAL SECTION (TYPE K)	EA	2	\$1,000.00	\$2,000	\$2,000.00	\$4,000	\$3,300.00	\$6,600	\$1,500.00	\$3,000	\$2,000.00	\$4,000	\$1,000.00	\$2,000
25	129110	TEMPORARY CRASH CUSHION (TYPE ADIEM)	EA	2	\$15,000.00	\$30,000	\$8,000.00	\$16,000	\$3,000.00	\$6,000	\$10,000.00	\$20,000	\$15,000.00	\$30,000	\$17,000.00	\$34,000
26	S 128650	PORTABLE CHANGEABLE MESSAGE SIGN	EA	4	\$10,000.00	\$40,000	\$8,000.00	\$32,000	\$6,000.00	\$24,000	\$5,000.00	\$20,000	\$5,000.00	\$20,000	\$15,000.00	\$60,000
27	S 129000	TEMPORARY RAILING (TYPE K)	M	4,000	\$90.00	\$360,000	\$75.00	\$300,000	\$31.00	\$124,000	\$75.00	\$300,000	\$40.00	\$160,000	\$75.00	\$300,000
28	S 129100	TEMPORARY CRASH CUSHION MODULE	EA	132	\$350.00	\$46,200	\$300.00	\$39,600	\$216.00	\$28,512	\$450.00	\$59,400	\$175.00	\$23,100	\$350.00	\$46,200
29	150206	ABANDON CULVERT	M	80	\$60.00	\$4,800	\$50.00	\$4,000	\$53.00	\$4,240	\$150.00	\$12,000	\$45.00	\$3,600	\$50.00	\$4,000
30	150207	ABANDON SEWER PIPE	M	110	\$43.00	\$4,730	\$30.00	\$3,300	\$20.00	\$2,200	\$35.00	\$3,850	\$20.00	\$2,200	\$50.00	\$5,500
31	150608	REMOVE CHAIN LINK FENCE	M	350	\$15.00	\$5,250	\$15.00	\$5,250	\$12.00	\$4,200	\$20.00	\$7,000	\$15.00	\$5,250	\$20.00	\$7,000
32	150668	REMOVE FLARED END SECTION	EA	1	\$500.00	\$500	\$500.00	\$500	\$88.00	\$88	\$500.00	\$500	\$100.00	\$100	\$150.00	\$150
33	150704	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE	M	1,910	\$3.00	\$5,730	\$5.00	\$9,550	\$4.00	\$7,640	\$5.00	\$9,550	\$5.00	\$9,550	\$3.00	\$5,730
34	150710	REMOVE TRAFFIC STRIPE	M	15,550	\$2.00	\$31,100	\$1.60	\$24,880	\$2.70	\$41,985	\$2.00	\$31,100	\$2.00	\$31,100	\$2.00	\$31,100
35	150713	REMOVE PAVEMENT MARKING	M2	6	\$35.00	\$210	\$100.00	\$600	\$47.00	\$282	\$100.00	\$600	\$100.00	\$600	\$35.00	\$210
36	150722	REMOVE PAVEMENT MARKER	EA	2,020	\$1.30	\$2,626	\$1.00	\$2,020	\$1.75	\$3,535	\$2.00	\$4,040	\$1.00	\$2,020	\$1.00	\$2,020
37	150742	REMOVE ROADSIDE SIGN	EA	28	\$75.00	\$2,100	\$75.00	\$2,100	\$150.00	\$4,200	\$100.00	\$2,800	\$100.00	\$2,800	\$150.00	\$4,200
38	150760	REMOVE SIGN STRUCTURE	EA	2	\$5,000.00	\$10,000	\$5,000.00	\$10,000	\$5,600.00	\$11,200	\$5,000.00	\$10,000	\$8,000.00	\$16,000	\$5,500.00	\$11,000
39	150763	REMOVE SIGN PANEL	EA	2	\$300.00	\$600	\$150.00	\$300	\$550.00	\$1,100	\$1,000.00	\$2,000	\$500.00	\$1,000	\$500.00	\$1,000

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40		150805	REMOVE CULVERT	M	120	\$108.00	\$12,960	\$50.00	\$6,000	\$28.00	\$3,360	\$50.00	\$6,000	\$300.00	\$36,000	\$50.00	\$6,000
41		150820	REMOVE INLET	EA	12	\$600.00	\$7,200	\$1,000.00	\$12,000	\$770.00	\$9,240	\$1,200.00	\$14,400	\$600.00	\$7,200	\$1,000.00	\$12,000
42		150824	REMOVE SEWER MANHOLE	EA	2	\$800.00	\$1,600	\$1,000.00	\$2,000	\$720.00	\$1,440	\$1,200.00	\$2,400	\$2,000.00	\$4,000	\$2,000.00	\$4,000
43		150826	REMOVE MANHOLE	EA	1	\$800.00	\$800	\$3,000.00	\$3,000	\$720.00	\$720	\$1,200.00	\$1,200	\$2,000.00	\$2,000	\$1,500.00	\$1,500
44		150830	REMOVE RETAINING WALL (PORTION)	M3	50	\$230.00	\$11,500	\$1,000.00	\$50,000	\$75.00	\$3,750	\$400.00	\$20,000	\$275.00	\$13,750	\$500.00	\$25,000
45		150844A	REMOVE ROCK SLOPE PROTECTION	M3	680	\$40.00	\$27,200	\$50.00	\$34,000	\$28.00	\$19,040	\$20.00	\$13,600	\$25.00	\$17,000	\$45.00	\$30,600
46		150860	REMOVE BASE AND SURFACING	M3	860	\$40.00	\$34,400	\$25.00	\$21,500	\$20.00	\$17,200	\$75.00	\$64,500	\$25.00	\$21,500	\$60.00	\$51,600
47		150860A	RECYCLE BASE AND SURFACING	M3	4,500	\$36.00	\$162,000	\$50.00	\$225,000	\$6.65	\$29,925	\$25.00	\$112,500	\$22.00	\$99,000	\$25.00	\$112,500
48		152390	RELOCATE ROADSIDE SIGN	EA	2	\$250.00	\$500	\$200.00	\$400	\$250.00	\$500	\$200.00	\$400	\$250.00	\$500	\$250.00	\$500
49		152439	ADJUST FRAME AND GRATE TO GRADE	EA	1	\$975.00	\$975	\$1,000.00	\$1,000	\$212.00	\$212	\$1,000.00	\$1,000	\$1,000.00	\$1,000	\$1,500.00	\$1,500
50		152604	MODIFY INLET	EA	4	\$1,150.00	\$4,600	\$500.00	\$2,000	\$128.00	\$512	\$1,200.00	\$4,800	\$1,500.00	\$6,000	\$2,500.00	\$10,000
51		153103	COLD PLANE AC PAVEMENT	M2	910	\$6.00	\$5,460	\$8.00	\$7,280	\$8.00	\$7,280	\$10.00	\$9,100	\$11.00	\$10,010	\$5.00	\$4,550
52		153214	REMOVE CONCRETE CURB	M	750	\$43.00	\$32,250	\$12.00	\$9,000	\$20.00	\$15,000	\$6.00	\$4,500	\$17.00	\$12,750	\$20.00	\$15,000
53		153215	REMOVE CONCRETE (CURB AND GUTTER)	M	490	\$56.00	\$27,440	\$12.00	\$5,880	\$42.00	\$20,580	\$12.00	\$5,880	\$17.00	\$8,330	\$40.00	\$19,600
54		153218	REMOVE CONCRETE SIDEWALK	M2	680	\$11.00	\$7,480	\$10.00	\$6,800	\$38.00	\$25,840	\$13.00	\$8,840	\$17.00	\$11,560	\$35.00	\$23,800
55		153219	REMOVE CONCRETE CROSSWALK PAVING	M2	120	\$56.00	\$6,720	\$40.00	\$4,800	\$95.00	\$11,400	\$250.00	\$30,000	\$17.00	\$2,040	\$100.00	\$12,000
56		153219	REMOVE CONCRETE (SLOPE PAVING)	M2	700	\$7.00	\$4,900	\$8.00	\$5,600	\$20.00	\$14,000	\$20.00	\$14,000	\$17.00	\$11,900	\$75.00	\$52,500
57		153221	REMOVE CONCRETE BARRIER	M	430	\$75.00	\$32,250	\$70.00	\$30,100	\$48.00	\$20,640	\$70.00	\$30,100	\$55.00	\$23,650	\$50.00	\$21,500
58		153250	REMOVE SOUND WALL	M2	1,860	\$36.00	\$66,960	\$35.00	\$65,100	\$25.00	\$46,500	\$17.00	\$31,620	\$42.00	\$78,120	\$25.00	\$46,500
59		155003	CAP INLET	EA	1	\$900.00	\$900	\$2,000.00	\$2,000	\$650.00	\$650	\$1,500.00	\$1,500	\$1,000.00	\$1,000	\$1,500.00	\$1,500
60		160101	CLEARING AND GRUBBING	LS	1	\$125,000.00	\$125,000	\$125,000.00	\$125,000	\$125,000.00	\$125,000	\$125,000.00	\$125,000	\$125,000.00	\$125,000	\$125,000.00	\$125,000
61		160132A	DEMOLISH RESIDENTIAL BUILDING - PARCEL 60635	LS	1	\$23,000.00	\$23,000	\$25,000.00	\$25,000	\$50,000.00	\$50,000	\$9,500.00	\$9,500	\$50,000.00	\$50,000	\$50,000.00	\$50,000
62		160132B	DEMOLISH RESIDENTIAL BUILDING (PORTION) - PARCEL 60637	LS	1	\$12,000.00	\$12,000	\$25,000.00	\$25,000	\$50,000.00	\$50,000	\$7,500.00	\$7,500	\$50,000.00	\$50,000	\$50,000.00	\$50,000
63		160132C	DEMOLISH RESIDENTIAL BUILDING - PARCEL 60638	LS	1	\$21,000.00	\$21,000	\$25,000.00	\$25,000	\$50,000.00	\$50,000	\$10,500.00	\$10,500	\$50,000.00	\$50,000	\$12,000.00	\$12,000
64		160132D	DEMOLISH RESIDENTIAL BUILDING - PARCEL 60639	LS	1	\$22,000.00	\$22,000	\$25,000.00	\$25,000	\$50,000.00	\$50,000	\$10,500.00	\$10,500	\$50,000.00	\$50,000	\$12,000.00	\$12,000
65		160132E	DEMOLISH COMMERCIAL BUILDING - PARCEL 60643	LS	1	\$72,000.00	\$72,000	\$125,000.00	\$125,000	\$100,000.00	\$100,000	\$78,000.00	\$78,000	\$50,000.00	\$50,000	\$12,000.00	\$12,000
66		170101	DEVELOP WATER SUPPLY	LS	1	\$12,000.00	\$12,000	\$12,000.00	\$12,000	\$12,000.00	\$12,000	\$12,000.00	\$12,000	\$5,000.00	\$5,000	\$12,000.00	\$12,000
67		190101	ROADWAY EXCAVATION	M3	27,000	\$15.50	\$418,500	\$50.00	\$1,350,000	\$30.00	\$810,000	\$45.00	\$1,215,000	\$25.00	\$675,000	\$28.00	\$756,000
68		190110	LEAD COMPLIANCE PLAN	LS	1	\$2,000.00	\$2,000	\$5,000.00	\$5,000	\$2,500.00	\$2,500	\$2,000.00	\$2,000	\$4,000.00	\$4,000	\$4,500.00	\$4,500
69	F	192003	STRUCTURE EXCAVATION (BRIDGE)	M3	15	\$82.00	\$1,230	\$200.00	\$3,000	\$250.00	\$3,750	\$200.00	\$3,000	\$100.00	\$1,500	\$200.00	\$3,000
70	F	192037	STRUCTURE EXCAVATION (RETAINING WALL)	M3	2,059	\$53.00	\$109,127	\$100.00	\$205,900	\$190.00	\$391,210	\$62.00	\$127,658	\$90.00	\$185,310	\$148.00	\$304,732
71	F	192038	STRUCTURE EXCAVATION (SOUND WALL)	M3	345	\$17.00	\$5,865	\$100.00	\$34,500	\$250.00	\$86,250	\$62.00	\$21,390	\$60.00	\$20,700	\$50.00	\$17,250
72	F	192048	STRUCTURE EXCAVATION RW (SOUND WALL)	M3	2,795	\$31.00	\$86,645	\$100.00	\$279,500	\$100.00	\$279,500	\$62.00	\$173,290	\$90.00	\$251,550	\$30.00	\$83,850
73	F	192049	STRUCTURE EXCAVATION (SOLDIER PILE WALL)	M3	28	\$88.00	\$2,464	\$200.00	\$5,600	\$250.00	\$7,000	\$100.00	\$2,800	\$100.00	\$2,800	\$150.00	\$4,200
74	F	193003	STRUCTURAL BACKFILL (BRIDGE)	M3	7	\$400.00	\$2,800	\$100.00	\$700	\$270.00	\$1,890	\$200.00	\$1,400	\$300.00	\$2,100	\$550.00	\$3,850
75	F	193013	STRUCTURAL BACKFILL (RETAINING WALL)	M3	1,008	\$100.00	\$100,800	\$50.00	\$50,400	\$101.00	\$101,808	\$70.00	\$70,560	\$45.00	\$45,360	\$200.00	\$201,600
76	F	193020	STRUCTURAL BACKFILL RW (SOUNDWALL)	M3	5,605	\$75.00	\$420,375	\$50.00	\$280,250	\$21.00	\$117,705	\$70.00	\$392,350	\$45.00	\$252,225	\$60.00	\$336,300
77	F	193014	STRUCTURAL BACKFILL (SOUND WALL)	M3	266	\$75.00	\$19,950	\$100.00	\$26,600	\$27.00	\$7,182	\$70.00	\$18,620	\$45.00	\$11,970	\$70.00	\$18,620
78	F	193030	PERVIOUS BACKFILL MATERIAL	M3	399	\$75.00	\$29,925	\$100.00	\$39,900	\$165.00	\$65,835	\$150.00	\$59,850	\$100.00	\$39,900	\$25.00	\$9,975
79	F	193118	CONCRETE BACKFILL (RETAINING WALL)	M3	30	\$400.00	\$12,000	\$300.00	\$9,000	\$163.00	\$4,890	\$120.00	\$3,600	\$225.00	\$6,750	\$250.00	\$7,500

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80	F	193119	LEAN CONCRETE BACKFILL (RETAINING WALL)	M3	8	\$550.00	\$4,400	\$300.00	\$2,400	\$188.00	\$1,504	\$125.00	\$1,000	\$200.00	\$1,600	\$175.00	\$1,400
81		200001	HIGHWAY PLANTING (LANDSCAPING)	LS	1	\$45,000.00	\$45,000	\$40,000.00	\$40,000	\$45,000.00	\$45,000	\$45,000.00	\$45,000	\$40,000.00	\$40,000	\$110,000.00	\$110,000
82		200101	IMPORTED TOPSOIL	M3	150	\$85.00	\$12,750	\$60.00	\$9,000	\$53.00	\$7,950	\$30.00	\$4,500	\$55.00	\$8,250	\$75.00	\$11,250
83		202011	MULCH	M3	1,150	\$82.00	\$94,300	\$60.00	\$69,000	\$40.00	\$46,000	\$44.00	\$50,600	\$40.00	\$46,000	\$40.00	\$46,000
84		203016	EROSION CONTROL (TYPE D-1)	M2	11,850	\$0.50	\$5,925	\$0.80	\$9,480	\$0.88	\$10,428	\$1.00	\$11,850	\$1.00	\$11,850	\$1.50	\$17,775
85		203016A	EROSION CONTROL (TYPE D-2)	M2	800	\$0.80	\$640	\$3.00	\$2,400	\$0.88	\$704	\$5.00	\$4,000	\$4.00	\$3,200	\$1.50	\$1,200
86		203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	LS	1	\$950.00	\$950	\$600.00	\$600	\$515.00	\$515	\$800.00	\$800	\$1,000.00	\$1,000	\$3,000.00	\$3,000
87		204040A	BIOFILTRATION SWALE	M2	1,660	\$5.00	\$8,300	\$3.00	\$4,980	\$8.10	\$13,446	\$6.00	\$9,960	\$6.00	\$9,960	\$10.00	\$16,600
88		204099	PLANT ESTABLISHMENT WORK	LS	1	\$11,000.00	\$11,000	\$1,000.00	\$1,000	\$28,000.00	\$28,000	\$5,000.00	\$5,000	\$20,000.00	\$20,000	\$25,000.00	\$25,000
89		206401A	LOCATE IRRIGATION CROSSOVERS	LS	1	\$1,300.00	\$1,300	\$1,000.00	\$1,000	\$10,000.00	\$10,000	\$5,000.00	\$5,000	\$1,000.00	\$1,000	\$5,000.00	\$5,000
90		208000	IRRIGATION SYSTEM	LS	1	\$115,000.00	\$115,000	\$100,000.00	\$100,000	\$100,000.00	\$100,000	\$30,000.00	\$30,000	\$200,000.00	\$200,000	\$274,000.00	\$274,000
91		208731	150 MM CORRUGATED HIGH DENSITY POLYETHYLENE IRRIGATION CROSSOVER	M	110	\$26.00	\$2,860	\$100.00	\$11,000	\$184.00	\$20,240	\$150.00	\$16,500	\$35.00	\$3,850	\$125.00	\$13,750
92		240100A	LIME STABILIZATION	M2	6,940	\$22.00	\$152,680	\$20.00	\$138,800	\$14.00	\$97,160	\$25.00	\$173,500	\$24.00	\$166,560	\$12.00	\$83,280
93		240100B	ASPHALTIC EMULSION (CURING SEALS FOR LIME STABILIZATION)	TONNE	6	\$682.00	\$4,092	\$1,500.00	\$9,000	\$750.00	\$4,500	\$1,000.00	\$6,000	\$1,000.00	\$6,000	\$1,500.00	\$9,000
94		250401	CLASS 4 AGGREGATE SUBBASE	M3	5,270	\$52.00	\$274,040	\$0.10	\$527	\$12.00	\$63,240	\$42.00	\$221,340	\$20.00	\$105,400	\$20.00	\$105,400
95		260301	CLASS 3 AGGREGATE BASE	M3	2,880	\$51.00	\$146,880	\$60.00	\$172,800	\$53.00	\$152,640	\$65.00	\$187,200	\$65.00	\$187,200	\$75.00	\$216,000
96		280000	LEAN CONCRETE BASE	M3	1,260	\$300.00	\$378,000	\$210.00	\$264,600	\$183.00	\$230,580	\$300.00	\$378,000	\$240.00	\$302,400	\$250.00	\$315,000
97		390132	HOT MIX ASPHALT (TYPE A)	TONNE	5,450	\$114.00	\$621,300	\$120.00	\$654,000	\$100.00	\$545,000	\$135.00	\$735,750	\$120.00	\$654,000	\$105.00	\$572,250
98		390095A	40MM HMA OVERLAY (PARKING LOT)	M2	3,000	\$14.00	\$42,000	\$13.00	\$39,000	\$14.00	\$42,000	\$16.00	\$48,000	\$16.00	\$48,000	\$7.00	\$21,000
99		394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	M	28	\$8.00	\$224	\$10.00	\$280	\$334.00	\$9,352	\$25.00	\$700	\$15.00	\$420	\$10.00	\$280
100		394076	PLACE HOT MIX ASPHALT DIKE (TYPE E)	M	1,050	\$8.00	\$8,400	\$10.00	\$10,500	\$8.00	\$8,400	\$25.00	\$26,250	\$15.00	\$15,750	\$10.00	\$10,500
101		394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	M	120	\$8.00	\$960	\$10.00	\$1,200	\$8.00	\$960	\$25.00	\$3,000	\$15.00	\$1,800	\$10.00	\$1,200
102		401000	CONCRETE PAVEMENT (JPCP)	M3	2,230	\$350.00	\$780,500	\$300.00	\$669,000	\$218.00	\$486,140	\$275.00	\$613,250	\$400.00	\$892,000	\$400.00	\$892,000
103		490305	SOLDIER PILE	EA	14	\$1,000.00	\$14,000	\$2,500.00	\$35,000	\$1,350.00	\$18,900	\$2,500.00	\$35,000	\$1,000.00	\$14,000	\$5,000.00	\$70,000
104		490655	400MM CIDH CONCRETE PILE (SOUNDWALL)	M	260	\$100.00	\$26,000	\$225.00	\$58,500	\$322.00	\$83,720	\$225.00	\$58,500	\$270.00	\$70,200	\$260.00	\$67,600
105	S	490657	610 MM CIDH CONCRETE PILE (RETAINING WALL)	M	435	\$1,000.00	\$435,000	\$800.00	\$348,000	\$266.00	\$115,710	\$800.00	\$348,000	\$430.00	\$187,050	\$500.00	\$217,500
106	S	490663	1.5 M CIDH CONCRETE PILE (OVERHEAD SIGN)	M	23	\$5,000.00	\$115,000	\$5,000.00	\$115,000	\$4,900.00	\$112,700	\$250.00	\$5,750	\$4,000.00	\$92,000	\$2,000.00	\$46,000
107	S	490658X	610 MM DRILLED HOLE	M	79	\$400.00	\$31,600	\$500.00	\$39,500	\$143.00	\$11,297	\$500.00	\$39,500	\$150.00	\$11,850	\$500.00	\$39,500
108		510051	STRUCTURAL CONCRETE (BRIDGE FOOTING)	M3	5	\$2,400.00	\$12,000	\$1,000.00	\$5,000	\$1,182.00	\$5,910	\$1,000.00	\$5,000	\$1,200.00	\$6,000	\$1,250.00	\$6,250
109	F	510053	STRUCTURAL CONCRETE (BRIDGE)	M3	101	\$1,500.00	\$151,500	\$1,500.00	\$151,500	\$1,100.00	\$111,100	\$1,500.00	\$151,500	\$1,200.00	\$121,200	\$1,100.00	\$111,100
110	F	510059	STRUCTURAL CONCRETE RW (SOUNDWALL)	M3	1,780	\$908.00	\$1,616,240	\$800.00	\$1,424,000	\$463.00	\$824,140	\$850.00	\$1,513,000	\$700.00	\$1,246,000	\$570.00	\$1,014,600
111	F	510060	STRUCTURAL CONCRETE (RETAINING WALL)	M3	694	\$575.00	\$399,050	\$900.00	\$624,600	\$550.00	\$381,700	\$800.00	\$555,200	\$700.00	\$485,800	\$770.00	\$534,380
112	F	510524	MINOR CONCRETE (SOUND WALL)	M3	36	\$1,200.00	\$43,200	\$1,200.00	\$43,200	\$850.00	\$30,600	\$1,200.00	\$43,200	\$1,200.00	\$43,200	\$1,500.00	\$54,000
113		511035	ARCHITECTURAL TREATMENT (TYPE 1- FRACTURED FIN TEXTURE)	M2	795	\$125.00	\$99,375	\$80.00	\$63,600	\$109.00	\$86,655	\$85.00	\$67,575	\$70.00	\$55,650	\$80.00	\$63,600
114	F	511035A	ARCHITECTURAL TREATMENT (TYPE 2-CULTERED STONE VENEER)	M2	251	\$360.00	\$90,360	\$200.00	\$50,200	\$268.00	\$67,268	\$275.00	\$69,025	\$265.00	\$66,515	\$270.00	\$67,770
115	F	511035A	ARCHITECTURAL TREATMENT (TYPE 3-STAINED WOOD FINISH)	M2	1,350	\$50.00	\$67,500	\$90.00	\$121,500	\$64.00	\$86,400	\$90.00	\$121,500	\$40.00	\$54,000	\$75.00	\$101,250
116	F	511106	DRILL AND BOND DOWEL	M	69	\$60.00	\$4,140	\$80.00	\$5,520	\$73.00	\$5,037	\$80.00	\$5,520	\$100.00	\$6,900	\$150.00	\$10,350
117		518002	SOUND WALL (MASONRY BLOCK)	M2	1,788	\$180.00	\$321,840	\$200.00	\$357,600	\$183.00	\$327,204	\$200.00	\$357,600	\$190.00	\$339,720	\$275.00	\$491,700
118	SF	520102	BAR REINFORCING STEEL (BRIDGE)	KG	7,617	\$7.00	\$53,319	\$8.00	\$60,936	\$8.00	\$60,936	\$8.00	\$60,936	\$3.70	\$28,183	\$2.50	\$19,043

Castro Valley I-580 Interchange Improvements Project
IN ALAMEDA COUNTY IN CASTRO VALLEY
04-ALA-580
CU 04-257 EA 0234301
Engineer's Estimate (Updated 06-20-08)

					MCM CONSTRUCTION		DESILVA GATES CONST.		RGW CONSTRUCTION		GRANITE ROCK CO. (Pavex)		GORDON N. BALL, INC.		R&L BROSAMER, INC.		
Mark Thomas & Co., Inc.																	
119	SF	520103	BAR REINFORCING STEEL (RETAINING WALL)	KG	37,722	\$2.95	\$111,280	\$3.00	\$113,166	\$3.00	\$113,166	\$3.00	\$113,166	\$3.00	\$113,166	\$2.50	\$94,305
120	SF	520114	BAR REINFORCING STEEL RW (SOUNDWALL)	KG	169,131	\$2.60	\$439,741	\$3.00	\$507,393	\$2.60	\$439,741	\$3.00	\$507,393	\$2.70	\$456,654	\$2.50	\$422,828
121	SF	5600200A	CLEAN AND PAINT SIGN STRUCTURE	LS	1	\$50,000.00	\$50,000	\$25,000.00	\$25,000	\$5,000.00	\$5,000	\$5,000.00	\$5,000	\$5,000.00	\$5,000	\$20,000.00	\$20,000
122		560218	FURNISH SIGN STRUCTURE (TRUSS)	KG	31,800	\$13.15	\$418,170	\$13.00	\$413,400	\$13.26	\$421,668	\$13.00	\$413,400	\$13.00	\$413,400	\$10.00	\$318,000
123	S	560219	INSTALL SIGN STRUCTURE (TRUSS)	KG	31,800	\$1.00	\$31,800	\$1.00	\$31,800	\$1.01	\$32,118	\$1.00	\$31,800	\$0.90	\$28,620	\$1.00	\$31,800
124	S	560233	FURNISH OVERHEAD FORMED SIGN PANEL	M2	110	\$185.00	\$20,350	\$185.00	\$20,350	\$132.00	\$14,520	\$190.00	\$20,900	\$140.00	\$15,400	\$1.50	\$165
125	S	560238	FURNISH SINGLE SHEET ALUMINIUM (1.6 MM-UNFRAME)	M2	8	\$150.00	\$1,200	\$60.00	\$480	\$128.00	\$1,024	\$135.00	\$1,080	\$80.00	\$640	\$150.00	\$1,200
126	S	560239	FURNISH SINGLE SHEET ALUMINIUM (2.0 MM-UNFRAME)	M2	5	\$150.00	\$750	\$60.00	\$300	\$141.00	\$705	\$150.00	\$750	\$70.00	\$350	\$140.00	\$700
127	S	560241	FURNISH SINGLE SHEET ALUMINIUM (1.6 MM-FRAME)	M2	5	\$200.00	\$1,000	\$60.00	\$300	\$174.00	\$870	\$185.00	\$925	\$75.00	\$375	\$190.00	\$950
128	S	560242	FURNISH SINGLE SHEET ALUMINIUM (2.0 MM-FRAME)	M2	125	\$200.00	\$25,000	\$80.00	\$10,000	\$207.00	\$25,875	\$200.00	\$25,000	\$100.00	\$12,500	\$200.00	\$25,000
129	S	566011	ROADSIDE SIGN (ONE POST)	EA	40	\$200.00	\$8,000	\$200.00	\$8,000	\$140.00	\$5,600	\$200.00	\$8,000	\$220.00	\$8,800	\$250.00	\$10,000
130	S	566012	ROADSIDE SIGN (TWO POST)	EA	19	\$400.00	\$7,600	\$300.00	\$5,700	\$350.00	\$6,650	\$400.00	\$7,600	\$325.00	\$6,175	\$300.00	\$5,700
131	S	568001	ROADSIDE SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	41	\$150.00	\$6,150	\$175.00	\$7,175	\$100.00	\$4,100	\$150.00	\$6,150	\$200.00	\$8,200	\$150.00	\$6,150
132	S	568016	INSTALL SIGN PANEL ON EXISTING FRAME	EA	11	\$1,200.00	\$13,200	\$1,200.00	\$13,200	\$700.00	\$7,700	\$1,200.00	\$13,200	\$250.00	\$2,750	\$300.00	\$3,300
133	S	575004	TIMBER LAGGING	M3	7	\$1,900.00	\$13,300	\$1,600.00	\$11,200	\$1,417.00	\$9,919	\$1,650.00	\$11,550	\$1,200.00	\$8,400	\$1,500.00	\$10,500
134		590115A	CLEAN AND PAINT SOLDIER PILE	LS	1	\$20,000.00	\$20,000	\$15,000.00	\$15,000	\$5,000.00	\$5,000	\$15,000.00	\$15,000	\$5,000.00	\$5,000	\$50,000.00	\$50,000
135	S	590229A	CLEAN AND PAINT STEEL PIPE RAILING	LS	1	\$35,000.00	\$35,000	\$5,000.00	\$5,000	\$10,000.00	\$10,000	\$12,000.00	\$12,000	\$15,000.00	\$15,000	\$15,000.00	\$15,000
136	S	620903	250 MM ALTERNATIVE PIPE CULVERT	M	110	\$160.00	\$17,600	\$100.00	\$11,000	\$66.00	\$7,260	\$420.00	\$46,200	\$180.00	\$19,800	\$150.00	\$16,500
137		620904	300 MM ALTERNATIVE PIPE CULVERT	M	10	\$113.00	\$1,130	\$300.00	\$3,000	\$94.00	\$940	\$425.00	\$4,250	\$270.00	\$2,700	\$250.00	\$2,500
138		620909	450 MM ALTERNATIVE PIPE CULVERT	M	1,070	\$255.00	\$272,850	\$175.00	\$187,250	\$135.00	\$144,450	\$470.00	\$502,900	\$200.00	\$214,000	\$250.00	\$267,500
139		620913	600 MM ALTERNATIVE PIPE CULVERT	M	180	\$258.00	\$46,440	\$200.00	\$36,000	\$227.00	\$40,860	\$500.00	\$90,000	\$230.00	\$41,400	\$250.00	\$45,000
140		6411AA	200 MM PLASTIC PIPE	M	5	\$166.00	\$830	\$300.00	\$1,500	\$127.00	\$635	\$400.00	\$2,000	\$150.00	\$750	\$250.00	\$1,250
141		650067	300 MM REINFORCED CONCRETE PIPE	M	10	\$357.00	\$3,570	\$400.00	\$4,000	\$270.00	\$2,700	\$425.00	\$4,250	\$210.00	\$2,100	\$400.00	\$4,000
142		664010	300MM CORRUGATED STEEL PIPE (2.01MM THICK)	M	26	\$145.00	\$3,770	\$250.00	\$6,500	\$162.00	\$4,212	\$430.00	\$11,180	\$235.00	\$6,110	\$200.00	\$5,200
143		664015	450 MM CORRUGATED STEEL PIPE (2.01MM THICK)	M	10	\$171.00	\$1,710	\$350.00	\$3,500	\$220.00	\$2,200	\$470.00	\$4,700	\$425.00	\$4,250	\$200.00	\$2,000
144		665733	450 MM SLOTTED CORRUGATED STEEL PIPE (2.01MM THICK)	M	190	\$315.00	\$59,850	\$200.00	\$38,000	\$152.00	\$28,880	\$500.00	\$95,000	\$200.00	\$38,000	\$300.00	\$57,000
145		680256	80 MM PLASTIC PIPE	M	5	\$43.00	\$215	\$100.00	\$500	\$18.00	\$90	\$300.00	\$1,500	\$125.00	\$625	\$100.00	\$500
146		681066A	100 MM PLASTIC PIPE	M	75	\$71.00	\$5,325	\$40.00	\$3,000	\$80.00	\$6,000	\$300.00	\$22,500	\$200.00	\$15,000	\$100.00	\$7,500
147		680933	200 MM PERFORATED PLASTIC PIPE UNDERDRAIN	M	96	\$190.00	\$18,240	\$125.00	\$12,000	\$106.00	\$10,176	\$385.00	\$36,960	\$180.00	\$17,280	\$100.00	\$9,600
148		682049	CLASS 3 PERMEABLE MATERIAL (BLANKET)	M3	260	\$79.00	\$20,540	\$100.00	\$26,000	\$90.00	\$23,400	\$100.00	\$26,000	\$85.00	\$22,100	\$150.00	\$39,000
149		703568	450 MM WELDED STEEL PIPE	M	55	\$740.00	\$40,700	\$800.00	\$44,000	\$230.00	\$12,650	\$600.00	\$33,000	\$550.00	\$30,250	\$500.00	\$27,500
150		714065	250MM CLAY SEWER PIPE	M	120	\$400.00	\$48,000	\$150.00	\$18,000	\$290.00	\$34,800	\$500.00	\$60,000	\$380.00	\$45,600	\$200.00	\$24,000
151		719210	CONCRETE SEWER MANHOLE	EA	1	\$3,264.00	\$3,264	\$3,000.00	\$3,000	\$1,600.00	\$1,600	\$5,000.00	\$5,000	\$3,000.00	\$3,000	\$4,000.00	\$4,000
152		719589	MINOR CONCRETE (BACKFILL)	M3	40	\$157.00	\$6,280	\$175.00	\$7,000	\$142.00	\$5,680	\$300.00	\$12,000	\$220.00	\$8,800	\$200.00	\$8,000
153		721810	SLOPE PAVING (CONCRETE)	M3	24	\$700.00	\$16,800	\$600.00	\$14,400	\$780.00	\$18,720	\$1,200.00	\$28,800	\$800.00	\$19,200	\$650.00	\$15,600
154	F	722009	COBBLESTONE PAVING	M2	625	\$133.00	\$83,125	\$125.00	\$78,125	\$150.00	\$93,750	\$175.00	\$109,375	\$100.00	\$62,500	\$250.00	\$156,250
155		731502	MINOR CONCRETE (MINOR STRUCTURE)	M3	81	\$1,250.00	\$101,250	\$1,300.00	\$105,300	\$1,350.00	\$109,350	\$1,300.00	\$105,300	\$1,500.00	\$121,500	\$1,500.00	\$121,500
156		731504	MINOR CONCRETE (MEDIAN CURB, CURB & GUTTER, VERTICAL CURB)	M3	120	\$455.00	\$54,600	\$500.00	\$60,000	\$1,100.00	\$132,000	\$800.00	\$96,000	\$1,000.00	\$120,000	\$500.00	\$60,000
157	F	731517	MINOR CONCRETE (GUTTER)	M3	26	\$895.00	\$23,270	\$1,000.00	\$26,000	\$1,450.00	\$37,700	\$900.00	\$23,400	\$1,200.00	\$31,200	\$500.00	\$13,000
158	F	731521	MINOR CONCRETE (SIDEWALK & MEDIAN PAVING)	M3	185	\$380.00	\$70,300	\$480.00	\$88,800	\$630.00	\$116,550	\$1,000.00	\$185,000	\$500.00	\$92,500	\$350.00	\$64,750

Castro Valley I-580 Interchange Improvements Project
IN ALAMEDA COUNTY IN CASTRO VALLEY
04-ALA-580
CU 04-257 EA 0234301
Engineer's Estimate (Updated 06-20-08)

					MCM CONSTRUCTION		DESILVA GATES CONST.		RGW CONSTRUCTION		GRANITE ROCK CO. (Pavex)		GORDON N. BALL, INC.		R&L BROSAMER, INC.		
Mark Thomas & Co., Inc.																	
159		731530	MINOR CONCRETE (CURB RAMP & DRIVEWAY)	M3	15	\$440.00	\$6,600	\$700.00	\$10,500	\$1,000.00	\$15,000	\$1,200.00	\$18,000	\$800.00	\$12,000	\$1,000.00	\$15,000
160		731623	MINOR CONCRETE (CONTRASTING SURFACE)	M3	88	\$400.00	\$35,200	\$450.00	\$39,600	\$465.00	\$40,920	\$1,300.00	\$114,400	\$980.00	\$86,240	\$600.00	\$52,800
161		731656	CURB RAMP DETECTABLE WARNING SURFACE	EA	9	\$475.00	\$4,275	\$1,000.00	\$9,000	\$750.00	\$6,750	\$300.00	\$2,700	\$600.00	\$5,400	\$1,000.00	\$9,000
162		750001	MISCELLANEOUS IRON AND STEEL	KG	6,990	\$4.00	\$27,960	\$4.00	\$27,960	\$5.00	\$34,950	\$4.00	\$27,960	\$2.00	\$13,980	\$3.50	\$24,465
163	SF	800386	CHAIN LINK RAILING (TYPE CL-1.2, VINYL CLAD)	M	25	\$150.00	\$3,750	\$50.00	\$1,250	\$200.00	\$5,000	\$75.00	\$1,875	\$180.00	\$4,500	\$80.00	\$2,000
164	S	800392	CHAIN LINK FENCE (TYPE CL-1.8)	M	197	\$160.00	\$31,520	\$65.00	\$12,805	\$79.00	\$15,563	\$40.00	\$7,880	\$75.00	\$14,775	\$80.00	\$15,760
165	S	820107	DELINEATORS (CLASS 1)	EA	120	\$30.00	\$3,600	\$40.00	\$4,800	\$37.00	\$4,440	\$40.00	\$4,800	\$40.00	\$4,800	\$40.00	\$4,800
166		820130	OBJECT MARKERS	EA	12	\$50.00	\$600	\$50.00	\$600	\$163.00	\$1,956	\$50.00	\$600	\$55.00	\$660	\$35.00	\$420
167		832003	METAL BEAM GUARD RAILING (WOOD POST)	M	240	\$138.00	\$33,120	\$140.00	\$33,600	\$140.00	\$33,600	\$140.00	\$33,600	\$130.00	\$31,200	\$90.00	\$21,600
168		832070	VEGETATION CONTROL (MINOR CONCRETE)	M2	430	\$100.00	\$43,000	\$100.00	\$43,000	\$113.00	\$48,590	\$100.00	\$43,000	\$100.00	\$43,000	\$100.00	\$43,000
169		833XXX	STEEL PIPE RAILING	M	208	\$200.00	\$41,600	\$500.00	\$104,000	\$820.00	\$170,560	\$600.00	\$124,800	\$500.00	\$104,000	\$200.00	\$41,600
170	SPF	839541	TRANSITION RAILING (TYPE WB)	EA	2	\$4,000.00	\$8,000	\$4,000.00	\$8,000	\$4,000.00	\$8,000	\$4,500.00	\$9,000	\$4,000.00	\$8,000	\$4,000.00	\$8,000
171		839584	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	1	\$3,100.00	\$3,100	\$3,000.00	\$3,000	\$3,200.00	\$3,200	\$3,500.00	\$3,500	\$3,000.00	\$3,000	\$3,000.00	\$3,000
172		839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	4	\$2,500.00	\$10,000	\$2,500.00	\$10,000	\$2,600.00	\$10,400	\$2,800.00	\$11,200	\$3,000.00	\$12,000	\$2,500.00	\$10,000
173		839601	TERMINAL SYSTEM (TYPE CAT)	EA	1	\$6,000.00	\$6,000	\$6,000.00	\$6,000	\$6,100.00	\$6,100	\$5,000.00	\$5,000	\$7,000.00	\$7,000	\$6,000.00	\$6,000
174		839602	TERMINAL SYSTEM (TYPE CAT) BACKUP	EA	1	\$500.00	\$500	\$500.00	\$500	\$510.00	\$510	\$500.00	\$500	\$5,000.00	\$5,000	\$700.00	\$700
175		839701	CONCRETE BARRIER (TYPE 60)	M	160	\$220.00	\$35,200	\$200.00	\$32,000	\$193.00	\$30,880	\$280.00	\$44,800	\$400.00	\$64,000	\$250.00	\$40,000
176		839704	CONCRETE BARRIER (TYPE 60D)	M	128	\$300.00	\$38,400	\$200.00	\$25,600	\$183.00	\$23,424	\$250.00	\$32,000	\$330.00	\$42,240	\$270.00	\$34,560
177	F	839721	CONCRETE BARRIER (TYPE 732A)	M	88	\$400.00	\$35,200	\$450.00	\$39,600	\$400.00	\$35,200	\$400.00	\$35,200	\$280.00	\$24,640	\$300.00	\$26,400
178	F	839723	CONCRETE BARRIER (TYPE 732B)	M	85	\$275.00	\$23,375	\$500.00	\$42,500	\$400.00	\$34,000	\$475.00	\$40,375	\$350.00	\$29,750	\$550.00	\$46,750
179	F	839725A	CONCRETE BARRIER (TYPE 736 MODIFIED)	M	11	\$650.00	\$7,150	\$700.00	\$7,700	\$640.00	\$7,040	\$725.00	\$7,975	\$360.00	\$3,960	\$650.00	\$7,150
180	F	839726A	CONCRETE BARRIER (TYPE 736A MODIFIED)	M	438	\$250.00	\$109,500	\$350.00	\$153,300	\$300.00	\$131,400	\$360.00	\$157,680	\$350.00	\$153,300	\$300.00	\$131,400
181	F	839734	CONCRETE BARRIER (TYPE 736SV)	M	151	\$325.00	\$49,075	\$500.00	\$75,500	\$442.00	\$66,742	\$500.00	\$75,500	\$440.00	\$66,440	\$550.00	\$83,050
182	S	840515	THERMOPLASTIC PAVEMENT MARKING	M2	140	\$50.00	\$7,000	\$35.00	\$4,900	\$67.00	\$9,380	\$38.00	\$5,320	\$35.00	\$4,900	\$50.00	\$7,000
183	S	840561	100 MM THERMOPLASTIC TRAFFIC STRIPE	M	6,560	\$1.40	\$9,184	\$1.00	\$6,560	\$2.00	\$13,120	\$2.00	\$13,120	\$1.50	\$9,840	\$1.50	\$9,840
184	S	840562	150 MM THERMOPLASTIC TRAFFIC STRIPE	M	580	\$1.80	\$1,044	\$2.00	\$1,160	\$2.40	\$1,392	\$2.00	\$1,160	\$2.00	\$1,160	\$2.00	\$1,160
185	S	840563	200MM THERMOPLASTIC TRAFFIC STRIPE	M	1,870	\$3.05	\$5,704	\$3.00	\$5,610	\$4.00	\$7,480	\$3.00	\$5,610	\$3.00	\$5,610	\$3.00	\$5,610
186	S	840651	PAINTED PAVEMENT MARKING	M2	77	\$15.00	\$1,155	\$30.00	\$2,310	\$20.00	\$1,540	\$30.00	\$2,310	\$30.00	\$2,310	\$10.00	\$770
187	S	840656	PAINT 100MM TRAFFIC STRIPE (2-COAT)	M	520	\$0.60	\$312	\$3.00	\$1,560	\$0.80	\$416	\$4.00	\$2,080	\$3.00	\$1,560	\$1.00	\$520
188		842000	PARKING BUMPER (PRECAST CONCRETE)	EA	8	\$200.00	\$1,600	\$90.00	\$720	\$255.00	\$2,040	\$100.00	\$800	\$100.00	\$800	\$100.00	\$800
189	S	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	100	\$2.00	\$200	\$3.00	\$300	\$3.00	\$300	\$3.00	\$300	\$3.00	\$300	\$4.00	\$400
190	S	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	340	\$4.00	\$1,360	\$5.00	\$1,700	\$6.00	\$2,040	\$5.00	\$1,700	\$5.00	\$1,700	\$5.00	\$1,700
191	S	860251	SIGNAL AND LIGHTING, LOCATION 1	LS	1	\$160,000.00	\$160,000	\$100,000.00	\$100,000	\$194,000.00	\$194,000	\$185,000.00	\$185,000	\$100,000.00	\$100,000	\$150,000.00	\$150,000
192	S	860251	SIGNAL AND LIGHTING REMOVAL, LOCATION 1	LS	1	\$8,000.00	\$8,000	\$5,000.00	\$5,000	\$9,000.00	\$9,000	\$8,500.00	\$8,500	\$5,000.00	\$5,000	\$5,000.00	\$5,000
193	S	860252	SIGNAL AND LIGHTING, LOCATION 2	LS	1	\$160,000.00	\$160,000	\$100,000.00	\$100,000	\$188,000.00	\$188,000	\$180,000.00	\$180,000	\$75,000.00	\$75,000	\$150,000.00	\$150,000
194	S	860252	SIGNAL AND LIGHTING REMOVAL, LOCATION 2	LS	1	\$8,000.00	\$8,000	\$5,000.00	\$5,000	\$9,000.00	\$9,000	\$8,500.00	\$8,500	\$8,000.00	\$8,000	\$150,000.00	\$150,000
195	S	860253	SIGNAL AND LIGHTING, LOCATION 3	LS	1	\$55,000.00	\$55,000	\$75,000.00	\$75,000	\$79,000.00	\$79,000	\$75,000.00	\$75,000	\$50,000.00	\$50,000	\$5,000.00	\$5,000
196	S	860253	SIGNAL AND LIGHTING REMOVAL, LOCATION 3	LS	1	\$5,000.00	\$5,000	\$5,000.00	\$5,000	\$4,800.00	\$4,800	\$4,500.00	\$4,500	\$5,000.00	\$5,000	\$5,000.00	\$5,000
197	S	860254	SIGNAL AND LIGHTING, LOCATION 4	LS	1	\$125,000.00	\$125,000	\$100,000.00	\$100,000	\$156,000.00	\$156,000	\$150,000.00	\$150,000	\$100,000.00	\$100,000	\$150,000.00	\$150,000
198	S	860255	SIGNAL AND LIGHTING REMOVAL, LOCATION 5	LS	1	\$32,000.00	\$32,000	\$5,000.00	\$5,000	\$9,000.00	\$9,000	\$8,500.00	\$8,500	\$30,000.00	\$30,000	\$5,000.00	\$5,000

Castro Valley I-580 Interchange Improvements Project
IN ALAMEDA COUNTY IN CASTRO VALLEY
04-ALA-580
CU 04-257 EA 0234301
Engineer's Estimate (Updated 06-20-08)

Mark Thomas & Co., Inc.

					MCM CONSTRUCTION		DESILVA GATES CONST.		RGW CONSTRUCTION		GRANITE ROCK CO. (Pavex)		GORDON N. BALL, INC.		R&L BROSAMER, INC.		
199	S	860256	SIGNAL AND LIGHTING REMOVAL, LOCATION 6	LS	1	\$20,000.00	\$20,000	\$5,000.00	\$5,000	\$9,000.00	\$9,000	\$8,500.00	\$8,500	\$20,000.00	\$20,000	\$5,000.00	\$5,000
200	S	860401	LIGHTING (FREEWAY)	LS	1	\$13,000.00	\$13,000	\$15,000.00	\$15,000	\$195,000.00	\$195,000	\$185,000.00	\$185,000	\$10,000.00	\$10,000	\$100,000.00	\$100,000
201	S	860460	LIGHTING AND ILLUMINATION	LS	1	\$250,000.00	\$250,000	\$150,000.00	\$150,000	\$16,000.00	\$16,000	\$15,000.00	\$15,000	\$150,000.00	\$150,000	\$25,000.00	\$25,000
202	S	860797	ELECTRICAL SERVICE - IRRIGATION	LS	1	\$4,500.00	\$4,500	\$5,000.00	\$5,000	\$6,900.00	\$6,900	\$6,500.00	\$6,500	\$4,000.00	\$4,000	\$25,000.00	\$25,000
203		861101	RAMP METERING SYSTEM (LOCATION 1)	LS	1	\$100,000.00	\$100,000	\$50,000.00	\$50,000	\$54,000.00	\$54,000	\$51,000.00	\$51,000	\$100,000.00	\$100,000	\$75,000.00	\$75,000
204		861102	RAMP METERING SYSTEM (LOCATION 2)	LS	1	\$135,000.00	\$135,000	\$50,000.00	\$50,000	\$80,000.00	\$80,000	\$75,000.00	\$75,000	\$120,000.00	\$120,000	\$75,000.00	\$75,000
205		999990X	TRASH ENCLOSURE (MORTUARY PROPERTY)	LS	1	\$10,000.00	\$10,000	\$20,000.00	\$20,000	\$25,000.00	\$25,000	\$15,000.00	\$15,000	\$15,000.00	\$15,000	\$5,000.00	\$5,000
206		999990	MOBILIZATION (10%)	LS	1	\$1,512,922.00	\$1,512,922	\$1,450,000.00	\$1,450,000	\$1,260,000.00	\$1,260,000	\$1,200,000.00	\$1,200,000	\$1,150,000.00	\$1,150,000	\$1,345,000.00	\$1,345,000
						TOTAL	\$14,415,225.25	TOTAL	\$14,744,444.00	\$12,631,153.60		\$15,241,239.00		TOTAL	\$13,258,833.60	TOTAL	\$13,912,167.00

