

MIDDLEFIELD ROAD COMPLETE STREETS INTERSECTION IMPROVEMENTS PROJECT- PROJ 56079									
				Engineer's Estimate		Redgwick Construction Company Oakland		Golden Bay Construction, Inc. Hayward	
Bid Bond? (Y/N)						Y		Y	
Sub-Contractor List? (Y/N)						Y		Y	
Non-Collusion Affidavit? (Y/N)						Y		Y	
Public Contract Code Questionnaire (Y/N)						Y		Y	
Addenda (Y/N)						Y		Y	
ITEM NO.	DESCRIPTION	EST. QTY	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
1	Mobilization	1	LS	\$15,000.00	\$15,000.00	\$24,900.00	\$24,900.00	\$29,480.00	\$29,480.00
2	Traffic Control	1	LS	\$20,000.00	\$20,000.00	\$55,300.00	\$55,300.00	\$47,652.00	\$47,652.00
4	Water Pollution Control	1	LS	\$8,000.00	\$8,000.00	\$4,500.00	\$4,500.00	\$6,960.00	\$6,960.00
5	Clearing & Grubbing	1	LS	\$10,000.00	\$10,000.00	\$12,750.00	\$12,750.00	\$22,018.00	\$22,018.00
6	Earthwork	240	CY	\$80.00	\$19,200.00	\$220.00	\$52,800.00	\$324.00	\$77,760.00
7	6" Scarify Subbase & Recompact	2,800	SF	\$4.00	\$11,200.00	\$2.20	\$6,160.00	\$2.00	\$5,600.00
8	Removing Existing Street Name Post	1	EA	\$300.00	\$300.00	\$150.00	\$150.00	\$100.00	\$100.00
9	Remove Existing Bollards	5	EA	\$300.00	\$1,500.00	\$400.00	\$2,000.00	\$100.00	\$500.00
10	Sawcut and Remove Existing Pavement	3,750	SF	\$5.00	\$18,750.00	\$11.00	\$41,250.00	\$9.00	\$33,750.00
11	Existing Curb and Sidewalk Removal	680	SF	\$5.00	\$3,400.00	\$11.00	\$7,480.00	\$9.00	\$6,120.00
12	Remove Existing Lane Striping	1,660	LF	\$2.00	\$3,320.00	\$0.60	\$996.00	\$1.00	\$1,660.00
13	Remove Existing Ladder Crosswalk Striping	1,100	SF	\$4.00	\$4,400.00	\$1.75	\$1,925.00	\$3.00	\$3,300.00
14	Remove Existing Pavement Legend	45	SF	\$6.00	\$270.00	\$1.75	\$78.75	\$3.00	\$135.00
15	Remove & Plug Existing Drain Inlet	1	LS	\$2,000.00	\$2,000.00	\$1,200.00	\$1,200.00	\$1,500.00	\$1,500.00
16	Remove Existing Tree	3	EA	\$2,000.00	\$6,000.00	\$850.00	\$2,550.00	\$3,500.00	\$10,500.00
17	Remove Existing Tree Stump	1	LS	\$1,000.00	\$1,000.00	\$600.00	\$600.00	\$1,500.00	\$1,500.00
18	Convert Existing Drain Inlet to Manhole	1	LS	\$3,000.00	\$3,000.00	\$7,500.00	\$7,500.00	\$3,000.00	\$3,000.00
19	Furnish & Install New Type G1 Drain Inlet	1	EA	\$5,000.00	\$5,000.00	\$3,200.00	\$3,200.00	\$5,200.00	\$5,200.00
20	18" RCP	8	LF	\$120.00	\$960.00	\$985.00	\$7,880.00	\$1,015.00	\$8,120.00
21	Adjust Existing Utility Covers to Finished Grade	1	EA	\$1,000.00	\$1,000.00	\$1,100.00	\$1,100.00	\$825.00	\$825.00
22	Detectable Warning Surface	7	EA	\$500.00	\$3,500.00	\$1,850.00	\$12,950.00	\$880.00	\$6,160.00
23	Header Board	20	LF	\$10.00	\$200.00	\$28.00	\$560.00	\$32.00	\$640.00
24	Aggregate Base Class 2	305	TN	\$80.00	\$24,400.00	\$175.00	\$53,375.00	\$382.00	\$116,510.00
25	Asphalt Concrete Type B	240	TN	\$140.00	\$33,600.00	\$360.00	\$86,400.00	\$515.00	\$123,600.00
26	AC Dike	95	LF	\$10.00	\$950.00	\$55.00	\$5,225.00	\$92.00	\$8,740.00
27	Thermoplastic Striping – Detail 21	445	LF	\$4.00	\$1,780.00	\$1.75	\$778.75	\$3.00	\$1,335.00
28	Thermoplastic Striping – Detail 23	448	LF	\$5.00	\$2,240.00	\$1.75	\$784.00	\$3.00	\$1,344.00
29	Thermoplastic Striping – Detail 24	70	LF	\$2.00	\$140.00	\$1.20	\$84.00	\$2.00	\$140.00
30	Thermoplastic Striping – Detail 27B	88	LF	\$2.00	\$176.00	\$1.20	\$105.60	\$2.00	\$176.00
31	Thermoplastic Striping – Detail 38	168	LF	\$3.00	\$504.00	\$2.00	\$336.00	\$4.00	\$672.00
32	Thermoplastic Striping – Detail 38A	228	LF	\$3.00	\$684.00	\$2.00	\$456.00	\$4.00	\$912.00
33	Thermoplastic Striping – Detail 39	416	LF	\$3.00	\$1,248.00	\$1.20	\$499.20	\$3.00	\$1,248.00
34	Thermoplastic Striping – Detail 39A	286	LF	\$3.00	\$858.00	\$1.00	\$286.00	\$2.00	\$572.00

35	Thermoplastic Striping – 8" White	75	LF	\$3.00	\$225.00	\$2.00	\$150.00	\$4.00	\$300.00
36	Thermoplastic Striping – 12" White	404	LF	\$4.00	\$1,616.00	\$4.00	\$1,616.00	\$7.00	\$2,828.00
37	Thermoplastic Striping – 24" White	435	LF	\$8.00	\$3,480.00	\$8.00	\$3,480.00	\$14.00	\$6,090.00
38	Performed Thermoplastic Paint – Facebook Green	300	SF	\$12.00	\$3,600.00	\$16.00	\$4,800.00	\$30.00	\$9,000.00
39	Pavement Legend	166	SF	\$10.00	\$1,660.00	\$4.00	\$664.00	\$8.00	\$1,328.00
40	Water-borne Yellow Paint on AC Dike	95	LF	\$2.00	\$190.00	\$2.00	\$190.00	\$4.00	\$380.00
41	Furnish & Install New Sign Post	4	EA	\$200.00	\$800.00	\$175.00	\$700.00	\$350.00	\$1,400.00
	Furnish & Install New Sign Panel	5	EA	\$200.00	\$1,000.00	\$75.00	\$375.00	\$150.00	\$750.00
42	Furnish & Install New 6" dia. Bollards	4	EA	\$500.00	\$2,000.00	\$1,200.00	\$4,800.00	\$780.00	\$3,120.00
43	Relocate Existing Bench and Trash Can	1	LS	\$600.00	\$600.00	\$1,500.00	\$1,500.00	\$800.00	\$800.00
44	Remove & Dispose of Ped Push Button Assembly	4	EA	\$200.00	\$800.00	\$120.00	\$480.00	\$275.00	\$1,100.00
45	Remove & Dispose of Ped Head & Mount Equipment	6	EA	\$200.00	\$1,200.00	\$120.00	\$720.00	\$275.00	\$1,650.00
46	Remove & Salvage Signal Head & Mounting Equipment	3	EA	\$200.00	\$600.00	\$120.00	\$360.00	\$275.00	\$825.00
47	Remove & Salvage Type 16-1-70 Signal Pole & Equip.	1	EA	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$3,500.00	\$3,500.00
48	Remove & Dispose of Existing Pull Box	11	EA	\$200.00	\$2,200.00	\$100.00	\$1,100.00	\$200.00	\$2,200.00
49	Remove & Dispose of Existing Signal Pole Foundation	1	EA	\$800.00	\$800.00	\$1,500.00	\$1,500.00	\$3,800.00	\$3,800.00
50	Conductors & Conduit (Jack/Drill or Pavement Fill)	315	LF	\$40.00	\$12,600.00	\$25.00	\$7,875.00	\$70.00	\$22,050.00
51	Conductors & Conduit (Dirt Fill)	55	LF	\$20.00	\$1,100.00	\$15.00	\$825.00	\$50.00	\$2,750.00
52	Connect New Conduit to Existing Pull Box	2	EA	\$300.00	\$600.00	\$100.00	\$200.00	\$500.00	\$1,000.00
53	6' x 6' Loop Detectors	3	EA	\$800.00	\$2,400.00	\$1,000.00	\$3,000.00	\$2,400.00	\$7,200.00
54	Pole (Type PPBP)	2	EA	\$400.00	\$800.00	\$1,000.00	\$2,000.00	\$2,400.00	\$4,800.00
55	Pole (Type 19-3-100-25) – City Furnished/Contractor Installed	1	EA	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00	\$4,900.00	\$4,900.00
56	Pole Foundation (PPBP)	2	EA	\$300.00	\$600.00	\$100.00	\$200.00	\$300.00	\$600.00
57	Pole Foundation (Type 19-3-100)	1	EA	\$6,000.00	\$6,000.00	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00
58	Pull Box #5	4	EA	\$800.00	\$3,200.00	\$700.00	\$2,800.00	\$1,500.00	\$6,000.00
59	Pull Box #6	3	EA	\$1,000.00	\$3,000.00	\$940.00	\$2,820.00	\$1,900.00	\$5,700.00
60	Ped Head Mounts	8	EA	\$300.00	\$2,400.00	\$250.00	\$2,000.00	\$500.00	\$4,000.00
61	Ped Head (Countdown LED)	8	EA	\$1,000.00	\$8,000.00	\$400.00	\$3,200.00	\$900.00	\$7,200.00
62	Pedestrian Push Button & Sign (Type B)	6	EA	\$500.00	\$3,000.00	\$300.00	\$1,800.00	\$800.00	\$4,800.00
63	12" Signal Head Backplates	6	EA	\$300.00	\$1,800.00	\$175.00	\$1,050.00	\$350.00	\$2,100.00
64	Signal Head Mounts	6	EA	\$400.00	\$2,400.00	\$415.00	\$2,490.00	\$850.00	\$5,100.00
65	Signal Heads 12" – 3 sec (LED)	2	EA	\$1,800.00	\$3,600.00	\$425.00	\$850.00	\$900.00	\$1,800.00
66	Signal Head 12" – 5 sec (LED)	2	EA	\$3,000.00	\$6,000.00	\$560.00	\$1,120.00	\$1,200.00	\$2,400.00
67	Signal Head 12" – 5 sec "Dog House" (LED)	2	EA	\$3,000.00	\$6,000.00	\$560.00	\$1,120.00	\$1,200.00	\$2,400.00
68	Relocate Existing Video Detection Camera and Mounting Equipment	1	EA	\$600.00	\$600.00	\$1,000.00	\$1,000.00	\$2,600.00	\$2,600.00
69	Relocate Existing Sign (Mast-arm Mounted)	2	EA	\$200.00	\$400.00	\$250.00	\$500.00	\$500.00	\$1,000.00

70	Loop Detector Module	6	EA	\$400.00	\$2,400.00	\$500.00	\$3,000.00	\$700.00	\$4,200.00	
71	General Intersection Wiring and Splicing	1	LS	\$10,000.00	\$10,000.00	\$55,600.00	\$55,600.00	\$103,545.00	\$103,545.00	
72	General Wiring Work in Controller	1	LS	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00	
73	Controller Reprogramming & Equipment Adjustment	1	LS	\$1,200.00	\$1,200.00	\$3,000.00	\$3,000.00	\$6,100.00	\$6,100.00	
					<b>PROJECT SUB-TOTAL</b>	<b>\$307,451.00</b>	<b>TOTAL</b>	<b>\$520,544.30</b>	<b>TOTAL</b>	<b>\$774,545.00</b>
					<b>10% Contingencies</b>	<b>\$30,746.00</b>				
					<b>PROJECT TOTAL</b>	<b>\$338,197.00</b>				