CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

TITLE: Energy Efficient Streetlight Improvement Project
CONTRACT NO.: C-4232
ENGINEER'S ESTIMATE: $1,089,955.00
PROJECT MANAGER: Iris Lee

BID LOCATION: City Clerk's Office - City Hall
DATE: 13-May-10 TIME: 10:00a.m.
BY: I.Lee CHECKED: P. Tauscher DATE: 05/13/2010

ITEM	DESCRIPTION	QUANTITY		Engineer's Estimate UNIT	Engineer's Estimate AMOUNT	Macadee Electrical UNIT	Macadee Electrical AMOUNT	CT&F Inc. UNIT	CT&F Inc. AMOUNT	PRO TECH ENGINEERING UNIT	PRO TECH ENGINEERING AMOUNT
1	Mobilization	1	LS	10,000.00	10,000.00	5,000.00	5,000.00	22,511.47	22,511.47	10,000.00	10,000.00
2	Traffic Control	1	LS	15,000.00	15,000.00	2,480.00	2,480.00	9,128.15	9,128.15	2,000.00	2,000.00
3	Install & Maintain Advisory Signs	1	LS	2,000.00	2,000.00	3,853.00	3,853.00	2,057.22	2,057.22	2,000.00	2,000.00
4	Rotate Existing Streetlight Standard	26	EA	2,000.00	52,000.00	150.00	3,900.00	194.55	5,058.30	500.00	13,000.00
5	Reset Existing Streetlight Standard to Grade	7	EA	700.00	4,900.00	170.00	1,190.00	194.60	1,362.20	500.00	3,500.00
6	Remove Existing Streetlight Standard & Foundation, Replace w/New Type II Standard, 16,000 LED Lumen LED Luminaire	19	EA	8,000.00	152,000.00	6,073.00	115,387.00	4,759.44	90,429.36	6,100.00	115,900.00
7	Remove Existing Streetlight Standard & Foundation, Replace w/New Type V Standard, 4,000 Lumen LED Luminaire	12	EA	7,500.00	90,000.00	6,057.00	72,684.00	5,857.40	70,288.80	6,441.00	77,292.00
8	Remove Existing Streetlight Standard & Foundation, Replace w/New Type VI Foundation Standard, 4,000 Lumen LED Luminaire	7	EA	7,500.00	52,500.00	6,198.00	43,386.00	6,172.49	43,207.43	6,415.00	44,905.00
9	Remove Existing Type II Streetlight Standard & Foundation	16	EA	750.00	12,000.00	650.00	10,400.00	593.27	9,492.32	1,000.00	16,000.00
10	Remove Existing Streetlight Standard & Foundation, Replace with New Type II Standard, 29,000 Lumen LED Luminaire	4	EA	10,000.00	40,000.00	6,381.00	25,524.00	5,389.72	21,558.88	8,370.00	33,480.00
11	Remove & Replace Existing Luminaire on Type III Standard, 70W (6,500 Lumen) HPS Luminaire	94	EA	600.00	56,400.00	382.00	35,908.00	432.51	40,655.94	350.00	32,900.00
12	Remove Existing Streetlight Standard & Foundation, Replace w/New Type III Standard, 70W (6,500 Lumen) HPS Luminaire)	14	EA	5,000.00	70,000.00	3,331.00	46,634.00	3,064.42	42,901.88	4,000.00	56,000.00
13	Remove Existing Streetlight Standard & Foundation, Replace w/New Type III Standard, 70W (6,500 Lumen) HPS Luminaire)	1	EA	5,500.00	5,500.00	2,963.00	2,963.00	3,401.33	3,401.33	4,300.00	4,300.00
14	Remove & Replace Existing Luminaire on Type II Standard, 100W (9,500 Lumen) HPS Luminaire	6	EA	750.00	4,500.00	397.50	2,385.00	314.14	1,884.84	2,425.00	14,550.00
15	Remove & Replace Existing Luminaire on Type II Standard, 29,000 Lumen LED Luminaire	3	EA	3,000.00	9,000.00	1,368.00	4,104.00	1,225.22	3,675.66	1,200.00	3,600.00
16	Furnish & Install New Type III Standard, 70W (6,500 Lumen) PTL HPS Luminaire	1	EA	5,500.00	5,500.00	3,541.00	3,541.00	3,250.72	3,250.72	5,658.00	5,658.00
17	Furnish & Install 76W (5,191 Lumen) LED Luminaire on Existing Wood Post	32	EA	1,700.00	54,400.00	1,127.00	36,064.00	990.06	31,681.92	964.00	30,848.00
18	Remove Existing Streetlight Standard & Foundation, Replace w/New Type II Standard, 16,000 Lumen LED Luminaire	4	EA	10,000.00	40,000.00	5,075.00	20,300.00	5,001.32	20,005.28	5,250.00	21,000.00
19	Remove Existing Streetlight Standard & Foundation, Replace w/New Type II Standard, 100W (9,500 Lumen) HPS Luminaire	2	EA	8,000.00	16,000.00	4,622.50	9,245.00	4,395.75	8,791.50	4,750.00	9,500.00
20	Remove Existing Streetlight Standard & Foundation, Replace w/New City Furnished Type II Standard, 29,000 Lumen LED Luminaire	2	EA	2,000.00	4,000.00	3,973.50	7,947.00	1,740.37	3,480.74	3,300.00	6,600.00
21	Remove & Dispose Existing Type II Foundation	1	EA	1,000.00	1,000.00	650.00	650.00	593.00	593.00	3,000.00	3,000.00
22	Furnish & Install Double Fuse Holder for Existing Streetlight Standard	26	EA	150.00	3,900.00	53.00	1,378.00	33.33	866.58	50.00	1,300.00
23	Reset Existing Pull Box to Grade	2	EA	180.00	360.00	88.00	176.00	150.23	300.46	250.00	500.00
24	Remove Existing Pull Box & Restore Surface	5	EA	250.00	1,250.00	250.00	1,250.00	18.83	94.15	350.00	1,750.00
25	Remove Existing Pull Box & Connect Conduit	2	EA	200.00	400.00	383.00	766.00	897.74	1,795.48	500.00	1,000.00
26	Furnish & Install New #3 1/2 F Pull Box	63	EA	300.00	18,900.00	139.00	8,757.00	224.94	14,171.22	300.00	18,900.00
27	Remove Existing Pull Box & Install New #3 1/2 F Pull Box	53	EA	400.00	21,200.00	179.00	9,487.00	241.76	12,813.28	300.00	15,900.00
28	Furnish & Install New 1" PVC Conduit w/2#8 Insulated Conductors	71	EA	500.00	35,500.00	250.00	17,750.00	102.26	7,260.46	250.00	17,750.00
29	Furnish & Install New 1-1/4" PVC Conduit w/2#8 Insulated Conductors	15,105	LF	17.00	256,785.00	12.20	184,281.00	15.92	240,471.60	14.00	211,470.00
30	Furnish & Install New 1-1/4" PVC Conduit w/4#8 Insulated Conductors	365	LF	19.00	6,935.00	18.20	6,643.00	21.30	7,774.50	18.00	6,570.00
31	Furnish & Install New 1-1/4" PVC Conduit w/6#8 Insulated Conductors	10	LF	22.00	220.00	22.00	220.00	23.31	233.10	20.00	200.00
32	Furnish & Install New 1-1/4" PVC Conduit w/8#8 Insulated Conductors	10	LF	23.00	230.00	27.00	270.00	28.73	287.30	22.00	220.00
33	Furnish and Install New 2#8 Insulated Conductors in Existing Conduit	3,825	LF	3.00	11,475.00	1.00	3,825.00	2.96	11,322.00	1.75	6,693.75
34	Furnish and Install New 4#8 Insulated Conductors in Existing Conduit	180	LF	5.00	900.00	2.00	360.00	5.02	903.60	3.00	540.00
35	Remove & Replace #3 1/2 F Lid w/New on Existing Pull Box	2	EA	100.00	200.00	58.00	116.00	65.96	131.92	50.00	100.00
36	Furnish & Install Type V PE Cell & Contactor in Existing Service Cabinet	1	EA	500.00	500.00	392.00	392.00	423.12	423.12	200.00	200.00
37	Modify Existing Type II Service Cabinet w/New Contactor & PE Cell	1	EA	1,500.00	1,500.00	784.00	784.00	1,681.97	1,681.97	300.00	300.00
38	Furnish & Install New Single-Meter Type III-BF Service Cabinet	4	EA	3,500.00	14,000.00	5,263.00	21,052.00	5,645.72	22,582.88	3,000.00	12,000.00
39	Remove Existing Cabinet & Install New Type III-BF Service Cabinet	3	EA	4,000.00	12,000.00	2,900.00	8,700.00	5,077.35	15,232.05	3,000.00	9,000.00
40	Remove Existing Type V Streetlight Standard	1	EA	2,000.00	2,000.00	1,176.00	1,176.00	440.54	440.54	500.00	500.00
41	Provide As-Built Drawings	1	LS	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
				EE	1,089,955.00	LOW	725,928.00	2ND	779,203.15	3RD	815,926.75
								*as read	$934,445.67	NON-RESPONSIVE	

ALTERNATE BID ITEMS

ITEM	DESCRIPTION	QUANTITY		UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
A1	Remove Existing Streetlight Standard & Foundation, Replace w/New Type II Standard, 150W (16,000 Lumen) HPS Luminaire	19	EA	5,500.00	104,500.00	5,052.00	95,988.00	5,875.00	111,625.00	5,875.00	111,625.00
A2	Remove Existing Streetlight Standard & Foundation, Replace w/New Type V Standard, 70W (6,500 Lumen) HPS Luminaire	12	EA	4,000.00	48,000.00	5,562.00	66,744.00	3,150.00	37,800.00	3,150.00	37,800.00
				EE	152,500.00	LOW	162,732.00	2ND	149,425.00	3RD	149,425.00

ITEM	DESCRIPTION	QUANTITY		International Line Builders UNIT	International Line Builders AMOUNT	PTM General Engineering UNIT	PTM General Engineering AMOUNT	Christopher R. Morales, Inc. UNIT	Christopher R. Morales, Inc. AMOUNT	Dynalectric UNIT	Dynalectric AMOUNT
1	Mobilization	1	LS	10,000.00	10,000.00	9,839.50	9,839.50	40,000.00	40,000.00	11,476.24	11,476.24
2	Traffic Control	1	LS	10,000.00	10,000.00	9,000.00	9,000.00	15,000.00	15,000.00	11,476.24	11,476.24
3	Install & Maintain Advisory Signs	1	LS	5,000.00	5,000.00	4,000.00	4,000.00	2,500.00	2,500.00	11,476.24	11,476.24
4	Rotate Existing Streetlight Standard	26	EA	1,200.00	31,200.00	480.00	12,480.00	500.00	13,000.00	257.02	6,682.52
5	Reset Existing Streetlight Standard to Grade	7	EA	500.00	3,500.00	480.00	3,360.00	500.00	3,500.00	2,668.39	18,678.73
6	Remove Existing Streetlight Standard & Foundation, Replace w/New Type II Standard, 16,000 LED Lumen LED Luminaire	19	EA	4,850.00	92,150.00	6,175.00	117,325.00	4,500.00	85,500.00	6,603.92	125,474.48
7	Remove Existing Streetlight Standard & Foundation, Replace w/New Type V Standard, 4,000 Lumen LED Luminaire	12	EA	5,100.00	61,200.00	6,550.00	78,600.00	7,000.00	84,000.00	6,408.11	76,897.32
8	Remove Existing Streetlight Standard & Foundation, Replace w/New Type VI Foundation Standard, 4,000 Lumen LED Luminaire	7	EA	5,000.00	35,000.00	6,525.00	45,675.00	7,000.00	49,000.00	6,410.91	44,876.37
9	Remove Existing Type II Streetlight Standard & Foundation	16	EA	650.00	10,400.00	975.00	15,600.00	800.00	12,800.00	765.02	12,240.32
10	Remove Existing Streetlight Standard & Foundation, Replace with New Type II Standard, 29,000 Lumen LED Luminaire	4	EA	6,620.00	26,480.00	8,475.00	33,900.00	4,500.00	18,000.00	6,602.89	26,411.56
11	Remove & Replace Existing Luminaire on Type III Standard, 70W (6,500 Lumen) HPS Luminaire	94	EA	400.00	37,600.00	450.00	42,300.00	450.00	42,300.00	343.34	32,273.96
12	Remove Existing Streetlight Standard & Foundation, Replace w/New Type III Standard, 70W (6,500 Lumen) HPS Luminaire)	14	EA	2,500.00	35,000.00	4,075.00	57,050.00	4,000.00	56,000.00	3,587.59	50,226.26
13	Remove Existing Streetlight Standard & Foundation, Replace w/New Type III Standard, 70W (6,500 Lumen) HPS Luminaire)	1	EA	2,800.00	2,800.00	4,400.00	4,400.00	4,000.00	4,000.00	3,945.06	3,945.06
14	Remove & Replace Existing Luminaire on Type II Standard, 100W (9,500 Lumen) HPS Luminaire	6	EA	275.00	1,650.00	375.00	2,250.00	350.00	2,100.00	284.44	1,706.64
15	Remove & Replace Existing Luminaire on Type II Standard, 29,000 Lumen LED Luminaire	3	EA	1,100.00	3,300.00	1,315.00	3,945.00	1,200.00	3,600.00	1,197.31	3,591.93
16	Furnish & Install New Type III Standard, 70W (6,500 Lumen) PTL HPS Luminaire	1	EA	4,600.00	4,600.00	5,800.00	5,800.00	4,000.00	4,000.00	3,876.79	3,876.79
17	Furnish & Install 76W (5,191 Lumen) LED Luminaire on Existing Wood Post	32	EA	1,000.00	32,000.00	1,250.00	40,000.00	1,500.00	48,000.00	922.58	29,522.56
18	Remove Existing Streetlight Standard & Foundation, Replace w/New Type II Standard, 16,000 Lumen LED Luminaire	4	EA	3,600.00	14,400.00	5,175.00	20,700.00	5,000.00	20,000.00	5,445.07	21,780.28
19	Remove Existing Streetlight Standard & Foundation, Replace w/New Type II Standard, 100W (9,500 Lumen) HPS Luminaire	2	EA	3,000.00	6,000.00	4,800.00	9,600.00	5,000.00	10,000.00	4,719.42	9,438.84
20	Remove Existing Streetlight Standard & Foundation, Replace w/New City Furnished Type II Standard, 29,000 Lumen LED Luminaire	2	EA	1,900.00	3,800.00	2,500.00	5,000.00	3,500.00	7,000.00	3,203.47	6,406.94
21	Remove & Dispose Existing Type II Foundation	1	EA	1,000.00	1,000.00	2,000.00	2,000.00	500.00	500.00	530.10	530.10
22	Furnish & Install Double Fuse Holder for Existing Streetlight Standard	26	EA	100.00	2,600.00	150.00	3,900.00	100.00	2,600.00	73.45	1,909.70
23	Reset Existing Pull Box to Grade	2	EA	500.00	1,000.00	400.00	800.00	100.00	200.00	275.09	550.18
24	Remove Existing Pull Box & Restore Surface	5	EA	1,200.00	6,000.00	600.00	3,000.00	250.00	1,250.00	657.18	3,285.90
25	Remove Existing Pull Box & Connect Conduit	2	EA	1,500.00	3,000.00	650.00	1,300.00	350.00	700.00	263.62	527.24
26	Furnish & Install New #3 1/2 F Pull Box	63	EA	350.00	22,050.00	350.00	22,050.00	300.00	18,900.00	263.69	16,612.47
27	Remove Existing Pull Box & Install New #3 1/2 F Pull Box	53	EA	450.00	23,850.00	450.00	23,850.00	350.00	18,550.00	303.17	16,068.01
28	Furnish & Install New 1" PVC Conduit w/2#8 Insulated Conductors	71	EA	650.00	46,150.00	625.00	44,375.00	18.00	1,278.00	106.14	7,535.94
29	Furnish & Install New 1-1/4" PVC Conduit w/2#8 Insulated Conductors	15,105	LF	17.50	264,337.50	16.00	241,680.00	25.00	377,625.00	27.09	409,194.45
30	Furnish & Install New 1-1/4" PVC Conduit w/4#8 Insulated Conductors	365	LF	22.00	8,030.00	20.00	7,300.00	20.00	7,300.00	29.54	10,782.10
31	Furnish & Install New 1-1/4" PVC Conduit w/6#8 Insulated Conductors	10	LF	56.00	560.00	22.00	220.00	40.00	400.00	13.36	133.60
32	Furnish & Install New 1-1/4" PVC Conduit w/8#8 Insulated Conductors	10	LF	86.00	860.00	35.00	350.00	50.00	500.00	22.86	228.60
33	Furnish and Install New 2#8 Insulated Conductors in Existing Conduit	3,825	LF	2.80	10,710.00	4.50	17,212.50	2.00	7,650.00	1.91	7,305.75
34	Furnish and Install New 4#8 Insulated Conductors in Existing Conduit	180	LF	5.50	990.00	6.00	1,080.00	3.00	540.00	3.84	691.20
35	Remove & Replace #3 1/2 F Lid w/New on Existing Pull Box	2	EA	500.00	1,000.00	150.00	300.00	100.00	200.00	51.78	103.56
36	Furnish & Install Type V PE Cell & Contactor in Existing Service Cabinet	1	EA	500.00	500.00	500.00	500.00	500.00	500.00	284.44	284.44
37	Modify Existing Type II Service Cabinet w/New Contactor & PE Cell	1	EA	800.00	800.00	1,800.00	1,800.00	500.00	500.00	362.75	362.75
38	Furnish & Install New Single-Meter Type III-BF Service Cabinet	4	EA	3,900.00	15,600.00	7,500.00	30,000.00	4,500.00	18,000.00	3,011.77	12,047.08
39	Remove Existing Cabinet & Install New Type III-BF Service Cabinet	3	EA	4,000.00	12,000.00	4,000.00	12,000.00	4,500.00	13,500.00	3,181.44	9,544.32
40	Remove Existing Type V Streetlight Standard	1	EA	600.00	600.00	2,500.00	2,500.00	1,000.00	1,000.00	843.32	843.32
41	Provide As-Built Drawings	1	LS	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
				4TH	852,717.50	5TH	942,042.00	6TH	996,993.00	7TH	1,011,999.99
						NON-RESPONSIVE					

ALTERNATE BID ITEMS

ITEM	DESCRIPTION	QUANTITY		UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
A1	Remove Existing Streetlight Standard & Foundation, Replace w/New Type II Standard, 150W (16,000 Lumen) HPS Luminaire	19	EA	3,900.00	74,100.00	5,200.00	98,800.00	5,600.00	106,400.00	4,850.00	92,150.00
A2	Remove Existing Streetlight Standard & Foundation, Replace w/New Type V Standard, 70W (6,500 Lumen) HPS Luminaire	12	EA	4,100.00	49,200.00	5,600.00	67,200.00	6,000.00	72,000.00	5,643.00	67,716.00
				4TH	123,300.00	5TH	166,000.00	6TH	178,400.00	7TH	159,866.00