CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

TITLE: **Traffic Signal Modernization - Phases 4 and 7**
CONTRACT NO.: **C-4395**
ENGINEER'S ESTIMATE: **$990,809.60**
PROJECT MANAGER: **Brad Sommers**

BID LOCATION: City Clerk's Office - City Hall
DATE: 04/06/2010 TIME: 10:00 AM
BY: _____ CHECKED: _____ DATE: _____

				Engineer's Estimate		Traffic Development Services		Steiny and Company		Pro Tech Engineering	
ITEM	DESCRIPTION	QUANTITY		UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
1	Mobilization	1	LS	25,000.00	25,000.00	125,000.00	125,000.00	13,000.00	13,000.00	15,000.00	15,000.00
2	Install Fiber Optic Cable - 48 SMFO	32,787	LF	4.00	131,148.00	1.68	55,082.16	1.85	60,655.95	1.85	60,655.95
3	Install Fiber Optic Cable - 6 SMFO	3,410	LF	4.00	13,640.00	1.35	4,603.50	1.50	5,115.00	1.50	5,115.00
4	Install 12/10 Microduct	33,417	LF	2.80	93,567.60	1.75	58,479.75	1.95	65,163.15	1.95	65,163.15
5	Install Twisted Pair Copper SIC	1,682	LF	3.00	5,046.00	5.00	8,410.00	2.50	4,205.00	2.50	4,205.00
6	Install 2.5" HDPE Conduit - Directional Drill	1,947	LF	30.00	58,410.00	12.00	23,364.00	13.00	25,311.00	18.00	35,046.00
7	Install 2.5" HDPE Conduit - Open Trench	2,875	LF	25.00	71,875.00	8.00	23,000.00	4.10	11,787.50	18.00	51,750.00
8	Install #6 Pull Box	28	EA	750.00	21,000.00	900.00	25,200.00	610.00	17,080.00	500.00	14,000.00
9	Install #6E Pull Box	3	EA	850.00	2,550.00	1,000.00	3,000.00	790.00	2,370.00	700.00	2,100.00
10	Install Splice Box	16	EA	1,000.00	16,000.00	1,250.00	20,000.00	2,000.00	32,000.00	2,120.00	33,920.00
11	Install Fiber Patch Panel	21	EA	1,200.00	25,200.00	1,100.00	23,100.00	1,240.00	26,040.00	1,250.00	26,250.00
12	Install Fiber Optic Splice Closure	17	EA	1,800.00	30,600.00	1,200.00	20,400.00	1,350.00	22,950.00	1,350.00	22,950.00
13	Install 19-inch Rack	2	EA	4,000.00	8,000.00	2,500.00	5,000.00	2,810.00	5,620.00	2,750.00	5,500.00
14	Install Fiber Distribution Unit	3	EA	10,000.00	30,000.00	4,400.00	13,200.00	4,950.00	14,850.00	4,850.00	14,550.00
15	Install Aggregation Switch	3	EA	1,755.00	5,265.00	1,200.00	3,600.00	13,500.00	40,500.00	1,350.00	4,050.00
16	Install Power Strip	26	EA	200.00	5,200.00	160.00	4,160.00	180.00	4,680.00	200.00	5,200.00
17	Install Ethernet Switch	31	EA	500.00	15,500.00	400.00	12,400.00	450.00	13,950.00	450.00	13,950.00
18	Install CCTV Equipment	7	EA	9,354.00	65,478.00	7,800.00	54,600.00	9,100.00	63,700.00	8,500.00	59,500.00
19	Install Ethernet Radio System - A	2	LS	10,000.00	20,000.00	17,600.00	35,200.00	19,800.00	39,600.00	18,500.00	37,000.00
20	Install Ethernet Radio System - B	1	LS	29,000.00	29,000.00	7,500.00	7,500.00	8,430.00	8,430.00	8,500.00	8,500.00
21	Irvine Ave/Highland Dr Traffic Signal Modification	1	LS	168,750.00	168,750.00	89,619.00	89,619.00	125,500.00	125,500.00	117,000.00	117,000.00
22	Irvine Ave/Highland Dr Temporary TS Wiring	1	LS	7,900.00	7,900.00	2,500.00	2,500.00	5,030.00	5,030.00	5,000.00	5,000.00
23	Dover Dr/Westcliff Dr Traffic Signal Modification	1	LS	48,700.00	48,700.00	25,900.00	25,900.00	36,150.00	36,150.00	47,000.00	47,000.00
24	Newport Blvd/28th Street Traffic Signal Modification	1	LS	79,480.00	79,480.00	55,429.00	55,429.00	79,000.00	79,000.00	70,000.00	70,000.00
25	Newport Blvd/22nd-23rd Street Traffic Signal Modification	1	LS	8,500.00	8,500.00	1,000.00	1,000.00	4,000.00	4,000.00	15,000.00	15,000.00
26	Locate Missing Pull Box	1	EA	1,000.00	1,000.00	100.00	100.00	1,500.00	1,500.00	400.00	400.00
27	Remove/Construct PCC Accesss Ramp	1	EA	3,000.00	3,000.00	2,500.00	2,500.00	4,610.00	4,610.00	3,000.00	3,000.00
28	Provide As-Built Plans	1	LS	1,000.00	1,000.00	100.00	100.00	1,110.00	1,110.00	100.00	100.00
				EE	990,809.60	LOW	702,447.41	2ND	733,907.60	3RD	739,655.10
										Corrected	741,905.10

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

TITLE: **Traffic Signal Modernization - Phases 4 and 7**
CONTRACT NO.: **C-4395**
ENGINEER'S ESTIMATE: **$990,809.60**
PROJECT MANAGER: **Brad Sommers**

BID LOCATION: City Clerk's Office - City Hall
DATE: 04/06/2010 TIME: 10:00 AM
BY: _____ CHECKED: _____ DATE: _____

				Engineer's Estimate		PTM General Engineering		Moore Electric Contracting		Terno, Inc	
ITEM	DESCRIPTION	QUANTITY		UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
1	Mobilization	1	LS	25,000.00	25,000.00	6,800.00	6,800.00	20,000.00	20,000.00	77,206.30	77,206.30
2	Install Fiber Optic Cable - 48 SMFO	32,787	LF	4.00	131,148.00	1.90	62,295.30	2.00	65,574.00	1.68	55,082.16
3	Install Fiber Optic Cable - 6 SMFO	3,410	LF	4.00	13,640.00	1.49	5,080.90	1.50	5,115.00	1.35	4,603.50
4	Install 12/10 Microduct	33,417	LF	2.80	93,567.60	1.93	64,494.81	0.50	16,708.50	1.75	58,479.75
5	Install Twisted Pair Copper SIC	1,682	LF	3.00	5,046.00	3.50	5,887.00	2.00	3,364.00	4.50	7,569.00
6	Install 2.5" HDPE Conduit - Directional Drill	1,947	LF	30.00	58,410.00	16.00	31,152.00	19.00	36,993.00	20.00	38,940.00
7	Install 2.5" HDPE Conduit - Open Trench	2,875	LF	25.00	71,875.00	14.00	40,250.00	12.00	34,500.00	12.56	36,110.00
8	Install #6 Pull Box	28	EA	750.00	21,000.00	530.00	14,840.00	250.00	7,000.00	592.00	16,576.00
9	Install #6E Pull Box	3	EA	850.00	2,550.00	750.00	2,250.00	350.00	1,050.00	784.00	2,352.00
10	Install Splice Box	16	EA	1,000.00	16,000.00	1,900.00	30,400.00	4,000.00	64,000.00	4,000.00	64,000.00
11	Install Fiber Patch Panel	21	EA	1,200.00	25,200.00	1,210.00	25,410.00	400.00	8,400.00	1,100.00	23,100.00
12	Install Fiber Optic Splice Closure	17	EA	1,800.00	30,600.00	1,320.00	22,440.00	2,500.00	42,500.00	1,200.00	20,400.00
13	Install 19-inch Rack	2	EA	4,000.00	8,000.00	2,750.00	5,500.00	1,000.00	2,000.00	2,500.00	5,000.00
14	Install Fiber Distribution Unit	3	EA	10,000.00	30,000.00	4,850.00	14,550.00	500.00	1,500.00	4,400.00	13,200.00
15	Install Aggregation Switch	3	EA	1,755.00	5,265.00	1,350.00	4,050.00	750.00	2,250.00	1,200.00	3,600.00
16	Install Power Strip	26	EA	200.00	5,200.00	180.00	4,680.00	100.00	2,600.00	160.00	4,160.00
17	Install Ethernet Switch	31	EA	500.00	15,500.00	440.00	13,640.00	750.00	23,250.00	400.00	12,400.00
18	Install CCTV Equipment	7	EA	9,354.00	65,478.00	8,600.00	60,200.00	8,500.00	59,500.00	7,800.00	54,600.00
19	Install Ethernet Radio System - A	2	LS	10,000.00	20,000.00	19,400.00	38,800.00	6,500.00	13,000.00	17,600.00	35,200.00
20	Install Ethernet Radio System - B	1	LS	29,000.00	29,000.00	8,300.00	8,300.00	35,000.00	35,000.00	7,500.00	7,500.00
21	Irvine Ave/Highland Dr Traffic Signal Modification	1	LS	168,750.00	168,750.00	133,200.00	133,200.00	136,000.00	136,000.00	118,435.20	118,435.20
22	Irvine Ave/Highland Dr Temporary TS Wiring	1	LS	7,900.00	7,900.00	1,750.00	1,750.00	7,500.00	7,500.00	9,729.00	9,729.00
23	Dover Dr/Westcliff Dr Traffic Signal Modification	1	LS	48,700.00	48,700.00	51,900.00	51,900.00	39,604.00	39,604.00	34,222.41	34,222.41
24	Newport Blvd/28th Street Traffic Signal Modification	1	LS	79,480.00	79,480.00	95,000.00	95,000.00	71,119.00	71,119.00	57,767.68	57,767.68
25	Newport Blvd/22nd-23rd Street Traffic Signal Modification	1	LS	8,500.00	8,500.00	7,884.00	7,884.00	7,500.00	7,500.00	6,199.00	6,199.00
26	Locate Missing Pull Box	1	EA	1,000.00	1,000.00	700.00	700.00	250.00	250.00	380.00	380.00
27	Remove/Construct PCC Accesss Ramp	1	EA	3,000.00	3,000.00	2,800.00	2,800.00	49,543.50	49,543.50	4,634.00	4,634.00
28	Provide As-Built Plans	1	LS	1,000.00	1,000.00	500.00	500.00	1,500.00	1,500.00	618.00	618.00
				EE	990,809.60	4TH	754,754.01	5TH	757,321.00	6TH	772,066.00
										Corrected	772,064.00

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

TITLE: **Traffic Signal Modernization - Phases 4 and 7**
CONTRACT NO.: **C-4395**
ENGINEER'S ESTIMATE: **$990,809.60**
PROJECT MANAGER: **Brad Sommers**

BID LOCATION: City Clerk's Office - City Hall
DATE: 04/06/2010 TIME: 10:00 AM
BY: _____ CHECKED: _____ DATE: _____

				Engineer's Estimate		International Line Builders		Christopher Morales, Inc		Dynaelectric	
ITEM	DESCRIPTION	QUANTITY		UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
1	Mobilization	1	LS	25,000.00	25,000.00	10,000.00	10,000.00	35,000.00	35,000.00	35,000.00	35,000.00
2	Install Fiber Optic Cable - 48 SMFO	32,787	LF	4.00	131,148.00	1.75	57,377.25	1.75	57,377.25	2.55	83,606.85
3	Install Fiber Optic Cable - 6 SMFO	3,410	LF	4.00	13,640.00	1.50	5,115.00	1.50	5,115.00	2.22	7,570.20
4	Install 12/10 Microduct	33,417	LF	2.80	93,567.60	1.80	60,150.60	1.82	60,818.94	2.52	84,210.84
5	Install Twisted Pair Copper SIC	1,682	LF	3.00	5,046.00	4.00	6,728.00	2.00	3,364.00	3.10	5,214.20
6	Install 2.5" HDPE Conduit - Directional Drill	1,947	LF	30.00	58,410.00	38.00	73,986.00	21.00	40,887.00	27.61	53,756.67
7	Install 2.5" HDPE Conduit - Open Trench	2,875	LF	25.00	71,875.00	18.00	51,750.00	14.00	40,250.00	7.70	22,137.50
8	Install #6 Pull Box	28	EA	750.00	21,000.00	550.00	15,400.00	400.00	11,200.00	483.00	13,524.00
9	Install #6E Pull Box	3	EA	850.00	2,550.00	880.00	2,640.00	500.00	1,500.00	880.00	2,640.00
10	Install Splice Box	16	EA	1,000.00	16,000.00	1,270.00	20,320.00	2,000.00	32,000.00	1,855.00	29,680.00
11	Install Fiber Patch Panel	21	EA	1,200.00	25,200.00	1,125.00	23,625.00	1,200.00	25,200.00	1,030.00	21,630.00
12	Install Fiber Optic Splice Closure	17	EA	1,800.00	30,600.00	1,260.00	21,420.00	1,400.00	23,800.00	570.00	9,690.00
13	Install 19-inch Rack	2	EA	4,000.00	8,000.00	2,550.00	5,100.00	2,600.00	5,200.00	990.00	1,980.00
14	Install Fiber Distribution Unit	3	EA	10,000.00	30,000.00	4,480.00	13,440.00	4,800.00	14,400.00	4,835.00	14,505.00
15	Install Aggregation Switch	3	EA	1,755.00	5,265.00	1,225.00	3,675.00	1,400.00	4,200.00	585.00	1,755.00
16	Install Power Strip	26	EA	200.00	5,200.00	175.00	4,550.00	200.00	5,200.00	265.00	6,890.00
17	Install Ethernet Switch	31	EA	500.00	15,500.00	410.00	12,710.00	440.00	13,640.00	3,450.00	106,950.00
18	Install CCTV Equipment	7	EA	9,354.00	65,478.00	8,000.00	56,000.00	8,000.00	56,000.00	9,125.00	63,875.00
19	Install Ethernet Radio System - A	2	LS	10,000.00	20,000.00	18,000.00	36,000.00	18,500.00	37,000.00	11,500.00	23,000.00
20	Install Ethernet Radio System - B	1	LS	29,000.00	29,000.00	7,650.00	7,650.00	8,000.00	8,000.00	11,500.00	11,500.00
21	Irvine Ave/Highland Dr Traffic Signal Modification	1	LS	168,750.00	168,750.00	139,600.00	139,600.00	144,000.00	144,000.00	115,593.00	115,593.00
22	Irvine Ave/Highland Dr Temporary TS Wiring	1	LS	7,900.00	7,900.00	50.00	50.00	16,000.00	16,000.00	12,750.00	12,750.00
23	Dover Dr/Westcliff Dr Traffic Signal Modification	1	LS	48,700.00	48,700.00	43,320.00	43,320.00	33,000.00	33,000.00	23,980.00	23,980.00
24	Newport Blvd/28th Street Traffic Signal Modification	1	LS	79,480.00	79,480.00	97,000.00	97,000.00	80,000.00	80,000.00	90,230.00	90,230.00
25	Newport Blvd/22nd-23rd Street Traffic Signal Modification	1	LS	8,500.00	8,500.00	12,700.00	12,700.00	12,000.00	12,000.00	4,260.00	4,260.00
26	Locate Missing Pull Box	1	EA	1,000.00	1,000.00	500.00	500.00	1,000.00	1,000.00	500.00	500.00
27	Remove/Construct PCC Accesss Ramp	1	EA	3,000.00	3,000.00	4,500.00	4,500.00	4,000.00	4,000.00	9,450.00	9,450.00
28	Provide As-Built Plans	1	LS	1,000.00	1,000.00	1,000.00	1,000.00	100.00	100.00	250.00	250.00
				EE	990,809.60	7TH	786,306.85	8TH	789,152.19	9TH	837,578.26
								Corrected	770,252.19	Corrected	856,128.26

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

TITLE: **Traffic Signal Modernization - Phases 4 and 7**
CONTRACT NO.: **C-4395**
ENGINEER'S ESTIMATE: **$990,809.60**
PROJECT MANAGER: **Brad Sommers**

BID LOCATION: City Clerk's Office - City Hall
DATE: 04/06/2010 TIME: 10:00 AM
BY: _____ CHECKED: _____ DATE: _____

				Engineer's Estimate		Manuel Bros., Inc		CT&F, Inc	
ITEM	DESCRIPTION	QUANTITY		UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
1	Mobilization	1	LS	25,000.00	25,000.00	49,200.00	49,200.00	8,200.00	8,200.00
2	Install Fiber Optic Cable - 48 SMFO	32,787	LF	4.00	131,148.00	1.20	39,344.40	1.80	59,016.60
3	Install Fiber Optic Cable - 6 SMFO	3,410	LF	4.00	13,640.00	2.10	7,161.00	1.45	4,944.50
4	Install 12/10 Microduct	33,417	LF	2.80	93,567.60	1.70	56,808.90	1.88	62,823.96
5	Install Twisted Pair Copper SIC	1,682	LF	3.00	5,046.00	1.60	2,691.20	2.55	4,289.10
6	Install 2.5" HDPE Conduit - Directional Drill	1,947	LF	30.00	58,410.00	21.00	40,887.00	30.27	58,935.69
7	Install 2.5" HDPE Conduit - Open Trench	2,875	LF	25.00	71,875.00	28.00	80,500.00	13.41	38,553.75
8	Install #6 Pull Box	28	EA	750.00	21,000.00	770.00	21,560.00	618.92	17,329.76
9	Install #6E Pull Box	3	EA	850.00	2,550.00	1,200.00	3,600.00	785.00	2,355.00
10	Install Splice Box	16	EA	1,000.00	16,000.00	2,100.00	33,600.00	4,185.43	66,966.88
11	Install Fiber Patch Panel	21	EA	1,200.00	25,200.00	690.00	14,490.00	1,183.85	24,860.85
12	Install Fiber Optic Splice Closure	17	EA	1,800.00	30,600.00	800.00	13,600.00	1,291.47	21,954.99
13	Install 19-inch Rack	2	EA	4,000.00	8,000.00	1,700.00	3,400.00	2,690.47	5,380.94
14	Install Fiber Distribution Unit	3	EA	10,000.00	30,000.00	3,400.00	10,200.00	4,735.33	14,205.99
15	Install Aggregation Switch	3	EA	1,755.00	5,265.00	350.00	1,050.00	1,291.33	3,873.99
16	Install Power Strip	26	EA	200.00	5,200.00	210.00	5,460.00	172.19	4,476.94
17	Install Ethernet Switch	31	EA	500.00	15,500.00	160.00	4,960.00	430.48	13,344.88
18	Install CCTV Equipment	7	EA	9,354.00	65,478.00	8,600.00	60,200.00	8,924.71	62,472.97
19	Install Ethernet Radio System - A	2	LS	10,000.00	20,000.00	5,000.00	10,000.00	18,942.00	37,884.00
20	Install Ethernet Radio System - B	1	LS	29,000.00	29,000.00	5,000.00	5,000.00	8,071.00	8,071.00
21	Irvine Ave/Highland Dr Traffic Signal Modification	1	LS	168,750.00	168,750.00	194,000.00	194,000.00	162,206.00	162,206.00
22	Irvine Ave/Highland Dr Temporary TS Wiring	1	LS	7,900.00	7,900.00	3,800.00	3,800.00	4,931.00	4,931.00
23	Dover Dr/Westcliff Dr Traffic Signal Modification	1	LS	48,700.00	48,700.00	51,300.00	51,300.00	33,375.00	33,375.00
24	Newport Blvd/28th Street Traffic Signal Modification	1	LS	79,480.00	79,480.00	115,500.00	115,500.00	90,636.00	90,636.00
25	Newport Blvd/22nd-23rd Street Traffic Signal Modification	1	LS	8,500.00	8,500.00	9,400.00	9,400.00	739.00	739.00
26	Locate Missing Pull Box	1	EA	1,000.00	1,000.00	2,500.00	2,500.00	309.00	309.00
27	Remove/Construct PCC Accesss Ramp	1	EA	3,000.00	3,000.00	3,200.00	3,200.00	6,399.00	6,399.00
28	Provide As-Built Plans	1	LS	1,000.00	1,000.00	2,600.00	2,600.00	679.00	679.00
				EE	990,809.60	10TH	846,012.50	11TH	None
								Corrected	819,215.79