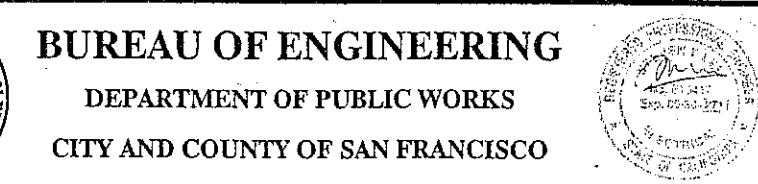


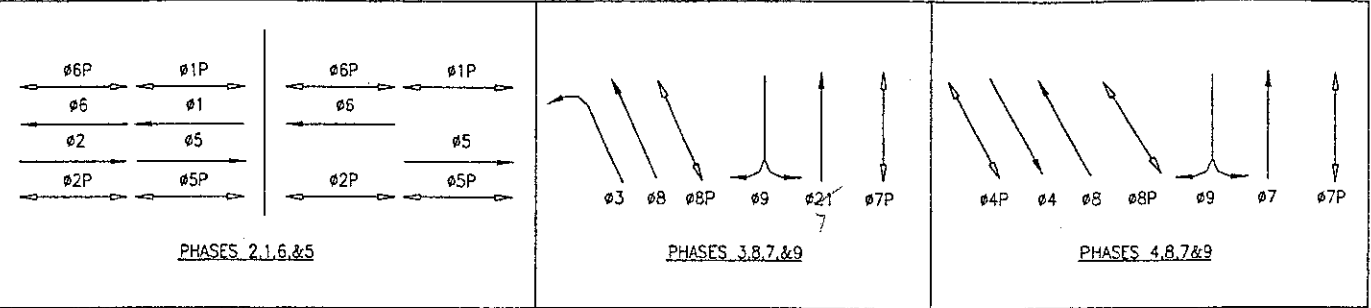
REFERENCE INFORMATION
& FILE NO. OF SURVEYS



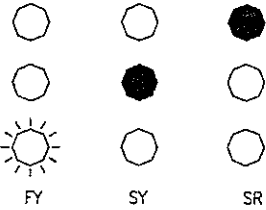
NAME: 0088J-E-09.0.dwg
E: Feb 02 2001 15:03

POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE (HPS)	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
		VOLTAGE/WATTS	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	1-A(10') EX. SL		71	3S8"	TV-1			78	1S-IN	SP-1	
②	1-A (10')		52	3S12"PV	TV-1-T			19	1S-IN	SP-1	
③	CITY STANDARD STREET LIGHT E2	120/240V 150W	51 92	3S12"PV 3S8"YR	SV-2-T-SF			58 79	1S-IN 1S-IN	SP-1(W/22"NIPPLE) SP-1-SF W/12"NIPPLE	
④	EX 17B-1-70 W/ 20' MAST ARM		24(EX) 21(EX) 85(EX) 91 12	3S12" 3S12" 3S8" 3S8"YR 3S8"	SV-4-TC			28(EX) 89(EX) 59	1S-IN 1S-IN 1S-IN	SP-1-SF	
⑤	EX SL		43(EX)	3S8"							
⑥	EX MUNI		41(EX) 62(EX)	3S8" 3S8"				29(EX) 48(EX)	1S-IN 1S-IN		
⑦	EX 1-A(10')		25(EX)	3S8"							
⑧	EX 17B-1-70 W/ 20' MAST ARM		64 61(EX)	3S12"PV 3S12"	MAS			68(EX)	1S-IN		BACK PLATE
⑨	EX 1-A (10')		32(EX)	3S12"-LA				49(EX)	1S-IN		
⑩	EX 1-A (8')		33(EX)	3S12"-LA							
⑪	EX 16-1-70 W/ 8' MAST ARM		84(EX)	3S12"							
⑫	EX SL		81(EX)	3S8"				69(EX)	1S-IN		
⑬	EX 1-A (10')		22(EX)	3S8"	TV-1			88(EX)	1S-IN		65 R/S 3S8"
⑭	16-1-70 W/ 20' MAST ARM		14 11 72	3S12" 3S8" 3S8"	MAS SV-2-TA			18	1S-IN	SP-1	BACK PLATE

PHASE DIAGRAM:



3S8"YR:



PHASE SEQUENCE:

2	G	Y	R	BAY ST @ COLUMBUS EB
1	G	Y	R	BAY ST @ JONES WB
6	G	Y	R	BAY ST @ COLUMBUS WB
5	G	Y	R	BAY ST @ JONES EB
8	R	G	Y	COLUMBUS NB
3	R <	G <	Y <	COLUMBUS NB LT
7	R	G	Y	JONES NB
9	R	FY	Y	JONES SB
4	R	G	Y	COLUMBUS SB
4P	RH	WM	FRH	PED XING BAY (WS)
8P	RH	WM	FRH	PED XING BAY (ES)
7P	RH	WM	FRH	PED XING BAY @ JONES
2P&6P	WM	FRH	RH	PED XING COLUMBUS
1P	WM	FRH	RH	PED XING JONES

DETAIL NOTES:

- E2 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL.
F/I FUSE AND FUSE HOLDERS PER SPDPSF FILE 49,092.

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE:	APPROVED
TP/BD 4/01	H. H. Kemp 4/23/01
DRAWN: DATE:	SECTION MANAGER
JE 4/01	M. H. 4/23/01
CHECKED: DATE:	DIVISION MANAGER
STL 4/01	M. H. 4/23/01
	CITY ENGINEER

SCALE:
NONE
SHEET OF SHEETS
24 OF 32

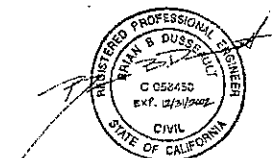
CONTRACT 52-53 NEW TRAFFIC SIGNAL
BAY STREET AND COLUMBUS AVENUE SCHEDULE

SPECIFICATION NO. 0088J
DRAWING NO. E-9.1
FILE NO. 75,978
REV. NO. 0

CONDUIT AND WIRING SCHEDULE																																		
CONDUIT RUN NUMBER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
CONDUIT SIZE (INCH)		2	2	2	2		2	2															2			3	3	3	2	2	2	3	2	2
NOTES						EX			EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX		EX	P	P	P	P	P	P	P	P	P	
WIRING (F/I)	#14 WIRES																																	
	SIGNAL 92		3	3			3																				3							
	SIGNAL 51		3	3			3																			3								
	SIGNAL 79		2	2			2																			2								
	SIGNAL 58		2	2			2																			2								
	SIGNAL 52				3		3																			3								
	SIGNAL 19				2		2																			2								
	SIGNAL 71					3	3																			3								
	SIGNAL 78					2	2																			2								
	SIGNAL 14							3																		3								
	SIGNAL 72							3																		3								
	SIGNAL 11							3																		3								
	SIGNAL 18						2																			2								
	SIGNAL 25								3		3		3		3											3								
	SIGNAL 41									3	3		3		3											3								
	SIGNAL 62									3	3		3		3											3								
	SIGNAL 48									2	2		2		2											2								
	SIGNAL 29									2	2		2		2											2								
	SIGNAL 43											3	3		3											3								
	SIGNAL 24													3		3										3								
	SIGNAL 21													3		3										3								
	SIGNAL 85													3		3										3								
	SIGNAL 91													3		3										3								
	SIGNAL 12													3		3										3								
	SIGNAL 89													2		2										2								
	SIGNAL 28													2		2										2								
	SIGNAL 59													2		2										2								
	SIGNAL 64																3		3		3						3							
	SIGNAL 61																3		3		3						3							
	SIGNAL 68																2		2		2						2							
	SIGNAL 32																		3	3		3					3							
	SIGNAL 49																		2	2		2					2							
	SIGNAL 33																				3	3					3							
	SIGNAL 84																						3				3							
	SIGNAL 81																							3			3							
SIGNAL 69																							2			2								
SIGNAL 22																									3		3							
SIGNAL 88																									2		2							
#14 WIRES (NEUTRAL)		3		2	2		3	1	4		1		5		3	2		1		1	2	2												
#14 WIRES (SPARE)			3			3				3		3		3				3		3		3		3	3	3								
TOTAL #14 WIRES		13	13	7	7	23	14	4	14	16	4	19	26	19	21	11	7	16	4	19	4	7	7	40	32	34								
#10 WIRES (NEUTRAL)			1			1				1		1		1	1				1		1				2	1	1							
#8 WIRES (120V SERVICE)																																2		
#8 WIRES (STREET LIGHT)		2																																
#10 WIRES STREET LIGHT		2																																
1/4" PULL ROPE			1			1				1		1		1	1				1		1						1		1					
#6 BSCW																															1			
12-CONDUCTOR CABLE																															3		1	
#10 GREEN SCGW																															1		1	

DETAIL NOTES:

- P F/1 PVC CONDUIT SCHEDULE 80.
- 01 F/1 2-2" POLYETHYLENE SCHEDULE 80 CONDUIT WITH 3/8" NYLON PULL TAPE IN EACH CONDUIT.
- 03 F/1 2 - 2" PVC SCHEDULE 80 CONDUIT WITH 3/8" NYLON PULL TAPE IN EACH CONDUIT.



NO. DATE DESCRIPTION BY APP. CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION		REFERENCE INFORMATION & FILE NO. OF SURVEYS	BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO		DESIGNED: DATE: 4/01 TP/BD DRAWN: DATE: 4/01 JE CHECKED: DATE: 4/01 STL APPROVED: DATE: 4/23/01 SECTION MANAGER DATE: 4/23/01 DIVISION MANAGER DATE: 4/24/01 CITY ENGINEER	SCALE: NONE SHEET OF SHEETS 25 OF 32	CONTRACT 52-53 NEW TRAFFIC SIGNAL BAY STREET AND COLUMBUS AVENUE SCHEDULES	SPECIFICATION NO. 0088J DRAWING NO. E-9.2 FILE NO. 75.979 REV. NO. 0
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CONDUIT AND WIRING SCHEDULE																																	
CONDUIT RUN NUMBER	△1	△2	△3	△4	△5	△6	△7	△8	△9	△10	△11	△12	△13	△14	△15	△16	△17	△18	△19	△20	△21	△22	△23	△24	△25	△26	△27	△28	△29	△30	△31	△32	
CONDUIT SIZE (INCH)	2	2	2	2		2	2															2		3	3	3	2	2	2	3	2	2	
NOTES					EX			EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX		EX	◇P	◇P	◇P	◇P	◇Q1	◇P	◇P	◇P	◇Q3	
WIRING (F/I)	#14 WIRES																																
	SIGNAL 92		3	3		3																				3							
	SIGNAL 51		3	3		3																				3							
	SIGNAL 79		2	2		2																				2							
	SIGNAL 58		2	2		2																				2							
	SIGNAL 52				3	3																				3							
	SIGNAL 19				2	2																				2							
	SIGNAL 71				3	3																				3							
	SIGNAL 78				2	2																				2							
	SIGNAL 14						3																			3							
	SIGNAL 72						3																			3							
	SIGNAL 11						3																			3							
	SIGNAL 18						2																			2							
	SIGNAL 25							3		3		3		3											3								
	SIGNAL 41								3	3		3		3											3								
	SIGNAL 62								3	3		3		3											3								
	SIGNAL 48								2	2		2		2											2								
	SIGNAL 29								2	2		2		2											2								
	SIGNAL 43										3	3		3											3								
	SIGNAL 24												3		3										3								
	SIGNAL 21												3		3										3								
	SIGNAL 85												3		3										3								
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	SIGNAL 28												2		2										2								
	SIGNAL 59												2		2										2								
	SIGNAL 64															3		3		3						3							
	SIGNAL 61															3		3		3						3							
	SIGNAL 68															2		2		2						2							
	SIGNAL 32																3	3		3						3							
	SIGNAL 49																2	2		2						2							
	SIGNAL 33																		3	3						3							
	SIGNAL 84																				3					3							
	SIGNAL 81																								3								
	SIGNAL 69																					2				2							
	SIGNAL 22																							3		3							
	SIGNAL 88																								2		2						
	#14 WIRES (NEUTRAL)		3		2	2		3	1	4		1		5		3	2		1		1	2	2										
	#14 WIRES (SPARE)			3		3				3		3		3				3		3					3	3	3						
	TOTAL #14 WIRES		13	13	7	7	23	14	4	14	16	4	19	26	19	21	11	7	16	4	19	4	7	7	40	32	34						
	#10 WIRES (NEUTRAL)			1		1					1		1		1				1		1				2	1	1						
	#8 WIRES (120V SERVICE)																														2		
	#8 WIRES (STREET LIGHT)	2																															
	#10 WIRES STREET LIGHT		2																														
	1/4" PULL ROPE			1		1				1		1		1	1			1		1							1		1				
	#6 BSCW																													1		1	
	12-CONDUCTOR CABLE																											1				1	
	#10 GREEN SCGW																											1				1	

- DETAIL NOTES:**
- ◇P F/I PVC CONDUIT SCHEDULE 80.
 - ◇Q1 F/I 2-2" POLYETHELENE SCHEDULE 80 CONDUIT WITH 3/8" NYLON PULL TAPE IN EACH CONDUIT.
 - ◇Q3 F/I 2 - 2" PVC SCHEDULE 80 CONDUIT WITH 3/8" NYLON PULL TAPE IN EACH CONDUIT.

AS BUILT DRAWING
APPROVAL SIGNATURES ON ORIGINAL CONTRACT DRAWINGS.

△	11/03	AS BUILT			
NO.	DATE	DESCRIPTION	BY	APP.	
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION					

REFERENCE INFORMATION & FILE NO. OF SURVEYS



DEPARTMENT OF PARKING AND TRAFFIC
DIVISION OF TRAFFIC ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO

DESIGNED:	DATE:
TP/BD	4/01
DRAWN:	DATE:
JE	4/01
CHECKED:	DATE:
STL	4/01

APPROVED	
SECTION MANAGER	DATE:
CITY ENGINEER	
DATE:	

SCALE:
NONE
SHEET OF SHEETS
25 OF 32

CONTRACT 52-53 NEW TRAFFIC SIGNAL
BAY STREET AND COLUMBUS AVENUE SCHEDULES

SPECIFICATION NO. 0088J
DRAWING NO. E-9.2
FILE NO. 75,979
REV. NO. 1