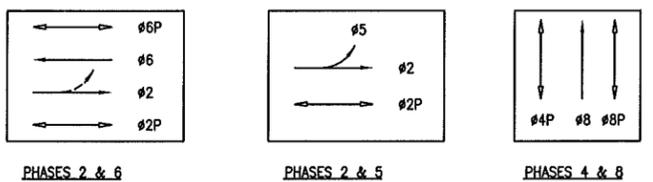


DETAIL NOTES:

- ◇ A EX CONDUIT AND WIRING. R/C EX WIRING. CUT CONDUIT FLUSH TO PULLBOX WALL OR 12" DEPTH. CAP CONDUIT ENDS.
- ◇ A1 EX CONDUIT AND WIRING. R/C EX WIRING. F/I WIRING AS NOTED.
- ◇ A2 EX CONDUIT AND WIRING. SL WIRING TO REMAIN. R/C EX TS WIRING. F/I WIRING AS NOTED.
- ◇ A4 R/C EX WIRING AND CONDUIT. REPAIR SIDEWALK TO MATCH EX.
- ◇ A9 MODIFY HEIGHT OF EX CONDUIT IN PULL BOX.
- ◇ F1 F/I NEW EXTERNAL CONDUIT FOR SIGNAL(S). SURFACE MOUNTED CONDUIT SHALL BE INSTALLED ON POLE FACE OPPOSITE OF ROADWAY. SEE EXTERNAL CONDUIT INSTALLATION DETAIL (E)
- ◇ H DTIS SHALL RELOCATE FIRE/POLICE ALARM PULL STATION. CONTRACTOR SHALL COORDINATE WITH JACK DONOHOE OF DTIS (TEL # 415-550-2724) 10 DAYS BEFORE COMMENCEMENT OF WORK AT THE CORNER.
- ◇ I1 PULL 12/C BACK INTO PULL BOX FROM EX IC. REPULL TO NEW IC LOCATION.
- ◇ I2 EXTEND SERVICE WIRES TO NEW IC LOCATION.
- ◇ J R/C EX CURB RAMP, RESTORE CURB AND SIDEWALK.
- ◇ K DIG OUT AND LOWER EX CONDUITS TO ACCOMMODATE RAMP, INCIDENTAL WORK TO PULL BOX BID ITEM.

PHASE DIAGRAM:



PHASE SEQUENCE:

G	Y	R	WB TOWNSEND ST.
G	Y	R	EB TOWNSEND ST.
OFF	G	OFF	EB TOWNSEND ST LT
R	G	Y R	3RD STREET
WM	FRH	RH	PED XING 3RD STREET SOUTH SIDE
WM	FRH	RH	PED XING 3RD STREET NORTH SIDE
RH	WM	FRH RH	PED XING TOWNSEND

NOTE:
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Field survey on 8/16/04

5/04	AS-BUILT	WN	SL
7/2001	REVISE POLE #6 (PCO #3)	JP	SL
1/2001	REVISE PULLBOXES & CONDUIT (PCO #1)	LS	SL
TABLE OF REVISIONS CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION			



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



DESIGNED: DATE:	APPROVED
NO/BW 7/00	SECTION MANAGER DATE:
DRAWN: DATE:	DIVISION MANAGER DATE:
JS KS/CXL 7/00	CITY ENGINEER DATE:
CHECKED: DATE:	
NO/D'OK 7/00	

SCALE:
1"=10'-0"
SHEET OF SHEETS

BRANNAN AND TOWNSEND STREETS
TRAFFIC SIGNALS UPGRADE
3rd ST AND TOWNSEND ST

SPECIFICATION NO.	1989N
DRAWING NO.	E-23
FILE NO.	74,718
REV. NO.	2

EXTERNAL REFERENCES: b34k22.dwg
 FONTS USED: ROMANS.SHX ROMANS.SHX ROMANS.SHX ROMANS.SHX ROMANS.SHX ROMANS.SHX
 SCALE FACTOR: 10
 PLOT SCALE: 1=1
 ORIGIN: ELECTRICAL
 FILE NAME: E-22.dwg
 DATE: Apr 19 2000 11:55

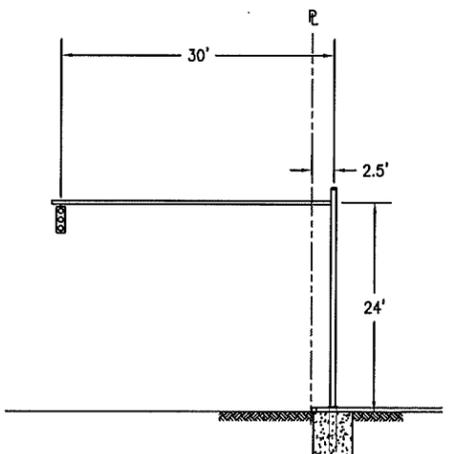
A B C D E F G H I J K L M N O P

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
CONDUIT SIZE (INCH)	EX	2	2	EX	2	2	NOT USED	2	SP	2	2	EX	2	2	2	EX	EX	3	2	3	EX	2	2	2
NOTES																		PVC 80	PVC 80	PVC 80		PVC 80		SP STUB OUT PVC 80
#14 WIRES																								
SIGNAL 81	3		3					3													3			
SIGNAL 88	2		2					2													2			
SIGNAL 22		4	4					4													4			
SIGNAL 69		2	2					2													2			
SIGNAL 21				3	3			3													3			
SIGNAL 28				2	2			2													2			
SIGNAL 27						4		4													4			
SIGNAL 89						2		2													2			
SIGNAL 84									3												3			
SIGNAL 82										3											3			
SIGNAL 49										2											2			
SIGNAL 61											3										3			
SIGNAL 68											2										2			
SIGNAL 64												3									3			
SIGNAL 48													3								3			
SIGNAL 62														2							2			
SIGNAL 29																					2			
SPARE				3				3													3			
#14 WIRES NEUTRAL	2	2		2	2	2				1	2	2	1								3			
TOTAL #14 WIRES	7	8	14	7	9	6		25		4	7	7	4							19	3	7	19	32
#10 WIRES NEUTRAL				1				2													1			
#8 WIRES (120V SERVICE)													2	2							2			
#8 WIRES (STREET LGT)	2		2	2	2			2				2	2	2										
12/C INTERCONNECT																						2	2	
1/4" PULL ROPE				1				1	1															
#6 BSCW													1								1			1

POLE AND EQUIPMENT SCHEDULE

POLE No.	TYPE OF POLE	LUMINAIRE (HPS) VOLTAGE/ WATTS	VEHICLE SIGNAL			PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING (F/I)	No.	TYPE	MOUNTING (F/I)	
1	EX SL		81	3S8"	SV-1-T	88	1S-IN	SP-1	
2	EX MUNI (FEEDER)		22	PV4S12"-GLA	SV-1-T	69	1S-IN	SP-1-T	EXTERNAL CONDUIT SEE DETAIL 2 ON DWG E-29.
3	SPECIAL POLE WITH 30' MAST ARM.		27	4212"-GLA	MAS (END)				BACKPLATE
4	EX MUNI		21	3S8"	SV-1-T	28	1S-IN	SP-1 WITH 18" NIPPLES	
						89	1S-IN	SP-1-SF	
5	EX MUNI					48	1S-IN	SP-1	
6	1-A (10')		62	3S8" 12"	TV-1	29	1S-IN	SP-2-T-SF	
						48A	1S-IN		
7	16-1-70 WITH 20' MAST ARM		64	3S12"	MAS (END)				BACKPLATE
8	CITY STANDARD SL WITH 6' LUMINAIRE ARM	120/150	61	3S8"	SV-1-T	68	1S-IN	SP-1	REUSE EX FOUNDATION
9	1-A (10')		82	3S8"	TV-1	49	1S-IN	SP-1	
10	16-1-70 WITH 20' MAST ARM		84	3S12"	MAS (END)				BACKPLATE



SPECIAL POLE AND MAST ARM
POLE 3 DETAIL

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AS BUILT DRAWING
APPROVAL SIGNATURES ON ORIGINAL CONTRACT DRAWINGS.

5/04	AS-BUILT	WN	SL
1/2001	REVISE PULLBOXES & CONDUIT (PCO #1)	LS	SL
NO.	DATE	DESCRIPTION	BY APP.

REFERENCE INFORMATION & FILE NO. OF SURVEYS



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



DESIGNED: DATE:	APPROVED
NO/BW 7/00	
DRAWN: DATE:	SECTION MANAGER DATE:
JS/CXL 7/00	
CHECKED: DATE:	DIVISION MANAGER DATE:
NO/D'OK 7/00	
	CITY ENGINEER DATE:

SCALE:
NONE
SHEET OF SHEETS

BRANNAN AND TOWNSEND STREETS
TRAFFIC SIGNALS UPGRADE
3rd ST. AND TOWNSEND ST.
SCHEDULES

SPECIFICATION NO.	1989N
DRAWING NO.	E-24
FILE NO.	74,719
REV. NO.	1

EXTERNAL REFERENCES: b3-k22.dwg
FONTS USED: ROMANS.SHX ROMANS.SHX ROMANS.SHX ROMANS.SHX
SCALE FACTOR: 1
PLOT SCALE: 1=1
ORIGIN: ELECTRICAL
FILE NAME: E-23.dwg
DATE: Apr 19 2000 10:02