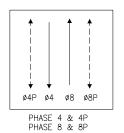
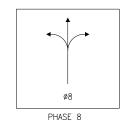
PHASE DIAGRAM (NORMAL OPERATION)

PHASE DIAGRAM (DURING CABLE CAR PREEMPT)





PHASE SEQUENCE (NORMAL OPERATION)

	G			R			
	R			G Y			
	RH			/M	FRH		
		MUNI	RED	Χ			
WM	WM FRH				RH		

JACKSON ST POWELL ST PED XING JACKSON MUNI CABLE CAR PED XING POWELL

DETAIL NOTES:

- (A) EX CONDUIT AND WIRING. R/C EX WIRING. F/I NEW WIRING AS NOTED.
- MAINTAIN EX MUNI CABLE CAR PRE-EMPTION WIRING
- MAINTAIN EX PG&E SERVICE WIRING

MUNI RX/GX SIGNALS ARE CONTROLLED BY TRACK SWITCHES ON JACKSON AT MASON AND ARE NOT CONNECTED TO THE CONTROLLER.

PM -MUNI RX/GX SIGNALS CORRESPONDING TO POWELL/MASON CABLE CAR TRACK SWITCHES.

-MUNI RX/GX SIGNALS CORRESPONDING TO POWELL/HYDE CABLE CAR TRACK SWITCHES.

AS BUILT

					- 1
					٠
					1
Λ	1/24/01	REVISED PER PCO#3	BC	GD	
0	4/2000	ISSUED FOR BID	BC	NKS	
NO.	DATE	DESCRIPTION	BY	APP.	
	CHE	TABLE OF REVISIONS CK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION			



BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO



SIGNED:	DATE:	APPROVED	
;	6/2000		
AWN:	DATE:	SECTION MANAGER	DATE:
;	6/2000	DIVISION MANAGER	DATE:
ECKED:	DATE:		
(S	6/2000	CITY ENGINEER	DATE:

	SCALE:	
ATE:	1"=10'-0"	
ATE:	SHEET OF SHEETS	
ATF:	24 OF 37	

SCALE:	CONTRACT 26 VARIOUS LOCATIONS	SPECIFICATION NO
1"=10'-0"	TRAFFIC SIGNAL MODIFICATIONS	DRAWING NO. E-11.C
SHEET OF SHEETS	JACKSON AND POWELL STREETS	FILE NO.
24 OF 37	TRAFFIC SIGNAL WORK	74,269 REV. NO.

	POLE AND EQUIPMENT SCHEDULE								
POLE No. TYPE OF POLE	LUMINAIRE (HPS) VEHICLE SIG		GNAL	NAL PEDESTRIAN SIGNAL			REMARKS		
NO.	TIPE OF FOLE	VOLTAGE/ WATTS	No.	TYPE	MOUNTING (F/I)	No.	TYPE	MOUNTING (F/I)	NEWARKS
1	EX SL		81	4S12"-GRA	SV-1-T	69 88	1S-IN 1S-IN	SP-1 SP-1	
2	EX SL					28	1S-IN	SP-1	
3	EX 1-B (10')		42(EX)			89	1S-IN	SP-1	
4	EX MUNI SL					29 48	1S-IN 1S-IN	SP-1 SP-1	
5	EX SIGNAL		PH	2S8"-X	TV-1	68	1S-IN	SP-1	
6	EX SIGNAL		32 PM	4S12"-GLA 2S8"-X	TV-2-T-SFA	49	1S-IN	SP-1	

- $\ensuremath{\mathsf{PM}}$ $-\ensuremath{\mathsf{MUNI}}$ RX/GX SIGNALS CORRESPONDING TO POWELL/MASON CABLE CAR TRACK SWITCHES.
- PH -MUNI RX/GX SIGNALS CORRESPONDING TO POWELL/HYDE CABLE CAR TRACK SWITCHES.

AS BUILT

Λ	1/24/01	REVISED PER PCO#3	BC	GD
0	4/2000	ISSUED FOR BID	BC	NKS
NO.	DATE	DESCRIPTION	BY	APP.
	CHE	TABLE OF REVISIONS CK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION		



BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO

PROFESS OF CALLORS

DRAWN:

CHECKED:

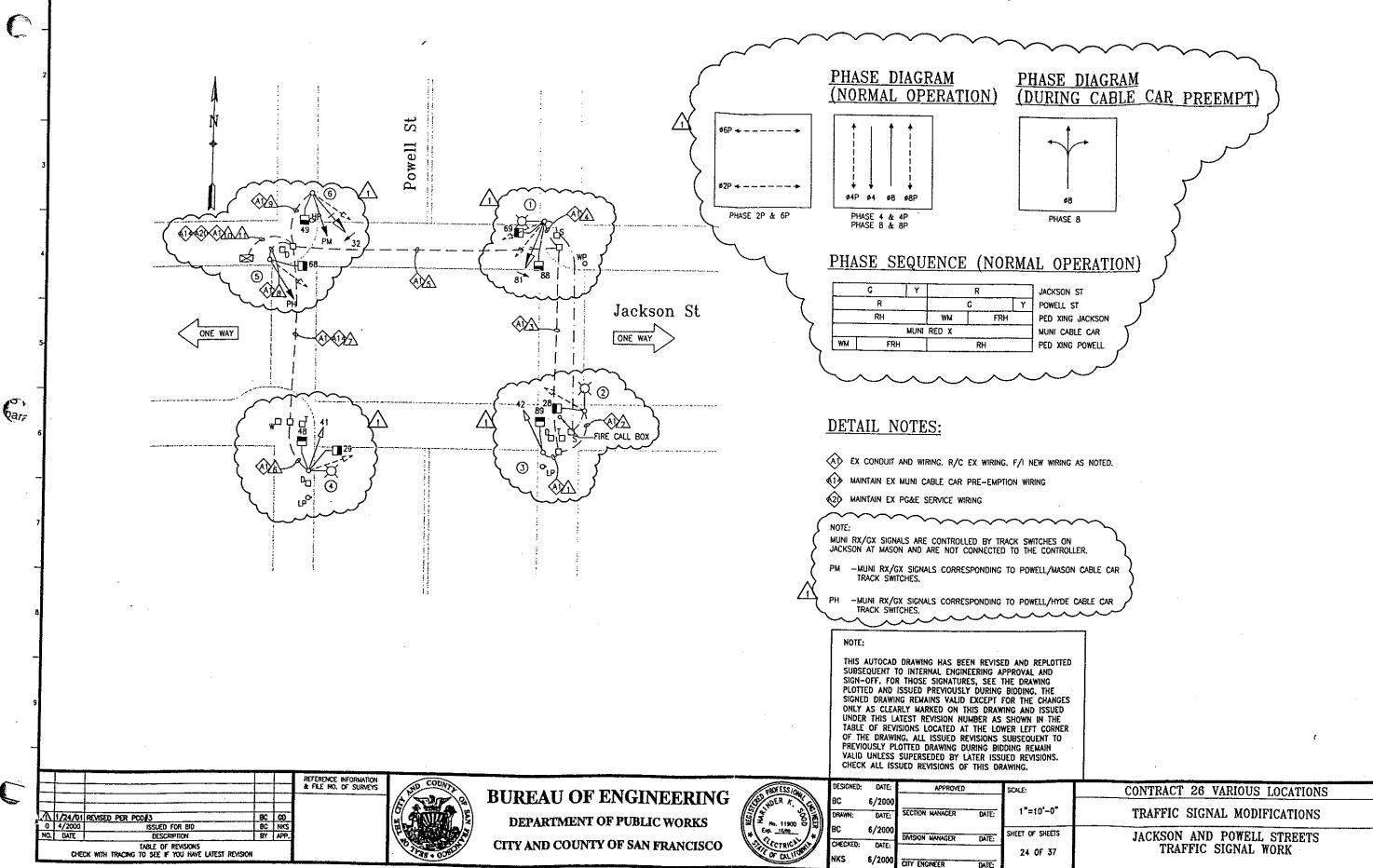
DATE:	APPROVED		S
6/2000			
DATE:	SECTION MANAGER	DATE:	ı
6/2000			Sł
	DIVISION MANAGER	DATE:	-
DATE:			ı
6/2000	CITY ENGINEER	DATE	ı

SCALE:	CONTRACT 26 VARIOUS LOCATIONS
NONE	TRAFFIC SIGNAL MODIFICATIONS
SHEET OF SHEETS	JACKSON AND POWELL STREETS
25 OF 37	SCHEDULE

SPECIFICATION NO. 1987N
DRAWING NO. E-11.1
FILE NO. 74,270
REV. NO.

SIN: ELECTRICAL SCALE FACTOR: E. PLOT SCALE: F. PLOT SCALE: F. PLOT SCALE: F. P. PLOT SCALE: F. PLO

| FILE NAME: 1987NE11 DATE: 03/15/2000



PLE NAME: 1987/E11 DATE: 05/15/2000

1987N

E-11.0

74,269

RAWING NO.

	CONDUIT RUN	ĪΛ	<u>A</u>	Δ	4	NO A		T .							7	T		7			
	NUMBER	14	122		4	<u> 253</u>	<u>a</u>		A	4	W	<u> </u>						_[
	CONDUIT SIZE (INCH)	£Χ	£Χ	EX	EX	EX	EX	EΧ	EΧ	EX	EX	ΕX									
	NOTES																				
T	#14 WIRES																\vdash	1	+	\vdash	
ı	SIGNAL 42 (EX)	3_	<u> </u>	3		3					3								1-	 	11
	SIGNAL 89	2	<u> </u>	2		2	<u> </u>			<u> </u>	2			Ĺ.,							
	SIGNAL 28	ļ	2	2		2	 			<u> </u>	2										
	SIGNAL 81	1-	 		4	4					4	<u> </u>		<u> </u>	<u> </u>	_	_				
L	SIGNAL 88	-			2	2	<u> </u>		ļ	-	2	 			<u> </u>	1	 	1	4	<u> </u>	
 -	SIGNAL 69 SIGNAL 41 (EX)	┼		 		4	3	3			2	3			ļ	1			╀	ļ	$oxed{\square}$
-	SIGNAL 41 (EX) SIGNAL 48	╁					2	2		-	-	2				 	-	-	┿		├ ──-
\vdash	SIGNAL 48	 					2	2		 		2		 	-	 		+	 	 	
e٢	SIGNAL 68								2		 	2			 	├	+	 	┼	├—	
ξþ	SIGNAL 32									4		4		-	 	 	+	+	┼	+	\vdash
	SIGNAL 49									2		2		<u> </u>	 	 	1	 	+	 	1-1
WIRING		L_													-	 		†		 	f
≶ ਾ		L_																	1		
												_									
																	ļ				
L																		L			
_													_		<u> </u>				L		
ļ		├─┤													<u></u>	-	<u> </u>	ļ		<u> </u>	
⊢		-									-				ļ	ļ	!	 	ļ	ļ	\square
⊢							 f						-					ļ	├		<u> </u>
-			f																 		\vdash
⊢						7					_				-		-		├	-	\vdash
\vdash																		 			
	SPARE			3		3		3											<u> </u>		
	TOTAL #14 WIRES	5	2	10	8	18	7	10	2	6	15	15									
\vdash	#10 WIRES NEUTRAL			1		2		1			2						<u> </u>	<u> </u>	<u> </u>		
-	#14 WIRES NEUTRAL	2	1		3		3	1	1	2	<u> </u>	2						 			
-	8 WIRES, IC SERVICE		$\overline{}$		-		-	-+		-								ļ			
-"	#8 WIRES, SL				_		-	2													
\vdash	#10 WIRES, SL				$\neg \dagger$		2	-				\dashv									
\vdash	12/C INTERCONNECT							\dashv	一十							-					
	1/4" PULL ROPE			1		1		1													
<u> </u>	#6 BSCW							\neg				$\neg \uparrow$		_							
													$\neg +$								

	<u> </u>	Liver	OLE		EQUIPMEN	VT SC	CHEDUL	_E	
POLE No.	TYPE OF POLE	LUMINAIRE (HPS)		VEHICLE SI	GNAL		5514546		
\simeq		VOLTAGE/ WATTS	No	THE .	MOUNTING (E/J)	No.	TYPE	MOUNTING (E/I)	REMARKS
1	EX SL		81	4S12"-GRA		69 88	1S-IN 1S-IN	SP-1 SP-1	
2	EX SL					28	1S-IN	SP-1	
3	EX 1-B (10')		42(EX)			89	1S-IN	SP-1	
•	EX MUNI SL	·				29 48	1S-IN IS-IN	SP-1 SP-1	
(3)	EX SIGNAL		РН	2S8*-X	TV-1	68	1S-IN	SP-1	
6	EX SIGNAL		32 Рм	4S12"-GLA 2S8"-X	TV-2-T-SFA	49	1S-IN	SP-1	

 PM --MUNI RX/GX SIGNALS CORRESPONDING TO POWELL/MASON CABLE CAR TRACK SWITCHES.

-MUNI RX/GX SIGNALS CORRESPONDING TO POWELL/HYDE CABLE CAR TRACK SWITCHES.

NOTE:

THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTTED SUBSEQUENT TO INTERNAL ENGINEERING APPROVAL AND SIGN-OFF. FOR THOSE SIGNATURES, SEE THE DRAWING PLOTTED AND ISSUED PREVIOUSLY DURING BIDDING. THE SIGNED DRAWING REMAINS VALID EXCEPT FOR THE CHANGES ONLY AS CLEARLY MARKED ON THIS DRAWING AND ISSUED UNDER THIS LATEST REVISION NUMBER AS SHOWN IN THE TABLE OF REVISIONS LOCATED AT THE LOWER LEFT CORNER OF THE DRAWING. ALL ISSUED REVISIONS SUBSEQUENT TO PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS. CHECK ALL ISSUED REVISIONS OF THIS DRAWING.

REFERENCE INFORMATION
& FRE NO. OF SURVEYS

1/24/01 REVISED PER PCO#5

0 4/2000 ISSUED FOR BID BC NICS
NO. DATE DESCRIPTION BY APP.

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

SO PROFESSION
SOUTHDER 4. SE
(원(조 No. 11900 용)법
Corner
 OF CALIFOR

		_		
DESIGNED:	DATE:	APPROVED		SCALE:
8C	6/2000			
DRAWN;	DATE:	SECTION NANAGER	DATE;	NONE
BC	6/2000			SHEET OF SHEETS
CHECKED:	DATE:	DIVISION HANAGER	DATE:	SHILES OF SHILES
				25 OF 37
NKS	6/2000	CITY ENCINEER	DATE	

CONTRACT 26 VARIOUS LOCATIONS	Specification no.
TRAFFIC SIGNAL MODIFICATIONS	DRAWING NO. E-11.1
JACKSON AND POWELL STREETS SCHEDULE	FILE NO. 74,270 REV. NO.
	1 1