

PED SIGNALS ACTIVATED AS PART OF CT 32 ON 12/2/08

DETAIL NOTES:

- EX CONDUIT AND WIRING. R/C EX WIRING. F/I NEW WIRING AS NOTED.
- EX CONDUIT AND WIRING. R/C EX TS WIRING. EX SL WIRING TO REMAIN.
- EX CONDUIT AND WIRING. R/C EX WIRING. CUT CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH, CAP OR DUCT SEAL END(S).
- EX CONDUIT AND WIRING TO REMAIN.
- EX CONDUIT AND 12/C TO REMAIN
- USE NEW EXTERNAL CONDUIT FOR PEDESTRIAN SIGNALS. SURFACE MOUNTED CONDUIT SHALL BE INSTALLED ON THE SIDE OPPOSITE THE ROADWAY OR INTERSECTION, UON.
- EXTEND 12/C INTERCONNECT TO NEW IC LOCATION. SPLICE TO EX 12/C TO MAINTAIN INTERCONNECT SYSTEM.
- RETAIN EX SERVICE WIRES. SPLICE AND EXTEND TO NEW IC LOCATION. F/I 40A IN LINE FUSE AND FUSE HOLDER IN PULL BOX.
- EXTEND EX CABLE CAR PRE-EMPT WIRES TO NEW IC LOCATION. SPLICE WIRES IF NEEDED.

AS-BUILT

Date:

By:

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
TO IN RED INK AND DATED BY THE
INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.

Samuel C. Kim 10/25/09
SIGNED-INSPECTOR

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 ALL ISSUED REVISIONS SUBSEQUENT TO PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS.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.

NO.	DATE	DESCRIPTION	BY	APP.
1	8/25/08	PE: VARIOUS CHANGES BASED ON POLE LAYOUT	JS	SL
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
GD/EF 10/07
DRAWN: DATE
CXL 10/07
CHECKED: DATE
BC 10/07

APPROVED
SECTION MANAGER DATE
DEPUTY BUREAU MANAGER DATE
CITY ENGINEER DATE

SCALE
AS SHOWN
SHEET OF SHEETS
35 OF 78

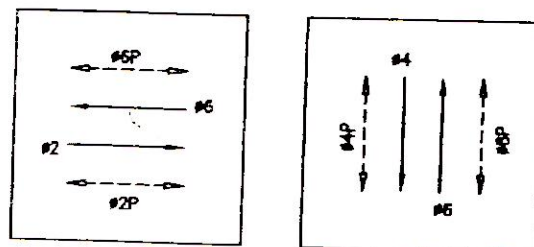
CONTRACT 32
TRAFFIC SIGNAL MODIFICATIONS

EDDY ST & LAGUNA ST

SPECIFICATION NO.
0985J
DRAWING NO.
E-10.0
FILE NO.
87,501
REV. NO.

POLE AND EQUIPMENT SCHEDULE										
POLE No.	TYPE OF POLE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
		No.	TYPE	MOUNTING	VSORS	LOUVERS	No.	TYPE	MOUNTING	
①	1-A(10')	81	356"	TV-1	T		86	18-COUNT	SP-1	
②	EX 1-B (10')	22	356"				88	18-COUNT	SP-1	
③	EX MURE	21	356"				25	18-COUNT	SP-1	
④	EX 1-B (12')	42	356"				86	18-COUNT	SP-1	
⑤	EX MUNE POLE WITH SL	41	356"				46	18-COUNT	SP-1	
⑥	1-A(10')	82	356"	TV-1	T		29	18-COUNT	SP-1	
⑦	1-A(10')	81	356"	TV-1	T		82	18-COUNT	SP-1	
⑧	EX 1-B (10')	82	356"				48	18-COUNT	SP-1	

PHASE DIAGRAM



AS-BUILT

Date:

By: *[Signature]*

PHASE SEQUENCE

G	Y	R	EDDY ST.(EB+WB)-#2+#6	
R	G	Y	LAGUNA ST.(SB+NB)-#4+#8	
WM	FRH	RH	PED XING LAGUNA ST.(SS+NS)-2P+8P	
RH	WM	FRH	PED XING EDDY ST.(WS+ES)-4P+8P	

PLANS ARE TO BE RETURNED WITH CORRECTIONS MADE AND CERTIFIED TO IN RED INK AND DATED BY THE INSPECTOR IN CHARGE UPON COMPLETION OF THE WORK BEFORE FINAL PAYMENT CAN BE MADE.

Sumathy C/M 10/25/09
SIGNED-INSPECTOR

NO.	DATE	DESCRIPTION	BY	APP.
1	9/28/08	POD: VARIOUS CHANGES BASED ON POLE LAYOUT	JS	SL

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: 10/07
CD
DRAWN: DATE: 10/07
CXL
CHECKED: DATE: 10/07
BC

APPROVED
SECTION MANAGER DATE:
DEPUTY BUREAU MANAGER DATE:

SCALE:
NONE
SHEET OF SHEETS
36 OF 75

CONTRACT 32
TRAFFIC SIGNAL MODIFICATIONS

EDDY ST & LAGUNA ST

SPECIFICATION NO.
0985J
DRAWING NO.
E-10.1
FILE NO.
R7 509

CONDUIT RUN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CONDUIT SIZE (INCH)	2	2				2	2		3			2		3	3	2	2
CONDUIT SIZE (MM)						53	53					53					
NOTES	EX			EX			SP	EX	EX		EX	EX		EX			
SIGNAL 22 (EX)	3		3			3			3					3			
SIGNAL 65	2		2			2			2					2			
SIGNAL B1 (EX)		3	3			3			3					3			
SIGNAL B5		2	2			2			2					2			
SIGNAL B2 (EX)				3		3			3					3			
SIGNAL 49				2		2			2					2			
SIGNAL B1 (EX)					3	3			3					3			
SIGNAL 68					2	2			2					2			
SIGNAL 62 (EX)								3	3					3			
SIGNAL 29								2	2					2			
SIGNAL 41 (EX)									3	3				3			
SIGNAL 48								2	2					2			
SIGNAL 21 (EX)										3		3	3		3		
SIGNAL 28										2		2	2		2		
SIGNAL 42 (EX)											3	3	3		3		
SIGNAL 89											2	2	2		2		
#1/4 NEUTRAL	2	2		2	2			2	2		2	2					
#1/4 SPARE			3			3			3			3		3	3		
TOTAL #1/4 WIRES	7	7	13	7	7	23		7	7	30	7	7	13	10	30	13	
#10 WIRES NEUTRAL			1			2			3			1	1	3	1		
#10 WIRES STREET LIGHT					2					2							
#8 WIRES STREET LIGHT																	
#8 WIRES (120 V SERVICE)															2		
#6 BSCW																	
INTERCONNECT 12C CABLE																	
DLC (DETECTOR LOOP WIRE)																	
DLC (DETECTOR LED-IN-CABLE)																	
PFC-EMPTION																	

PLANS ARE
CORRECT
TO IN RE
INSPECT
COMPLE
FINAL PA

SIGNED

AS-BUILT

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
TO IN RED INK AND DATED BY THE
INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.

Matthew C. Xon 10/25/09
SIGNED INSPECTOR

Date:

By:

SHEET NOTE:

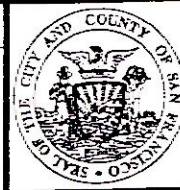
1. GROUNDING WIRES NOT INCLUDED IN THIS WIRING SCHEDULE. FOR REQUIREMENTS SEE DETAIL.

5
1-0

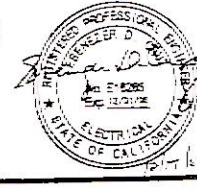
AS-BUILT

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REFERENCE INFORMATION
& FILE NO. OF SURVEY



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

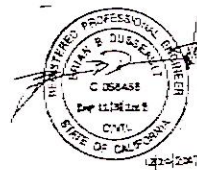


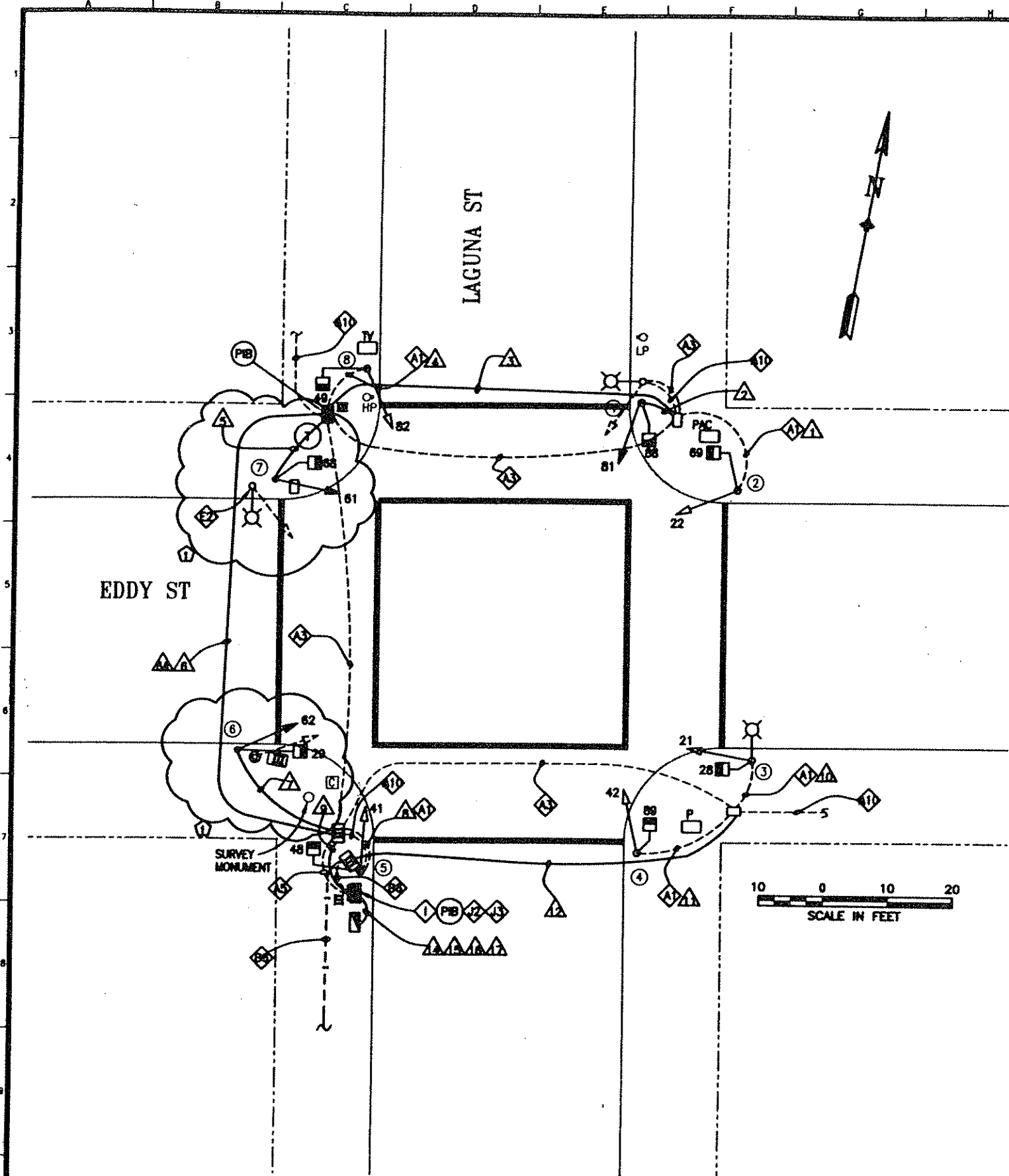
DESIGNED	DATE	APPROVED
EF	10/07	<i>[Signature]</i> 12/10/07 SECTION MANAGER
DRAWN	DATE	DATE
COL	10/07	<i>[Signature]</i> 11/07/07 DEPUTY BUREAU MANAGER/DATE
CHECKED	DATE	
BC	10/07	<i>[Signature]</i> 11/07/07 CITY ENGINEER

SCALE:	NONE
SHEET OF SHEETS	37 OF 78

CONTRACT 32 TRAFFIC SIGNAL MODIFICATIONS
EDDY ST & LAGUNA ST SCHEDULE

SPECIFICATION NO.	08651
DRAWING NO.	E-10.2
FILE NO.	87,503
REV. NO.	0





DETAIL NOTES:

- 1 EX CONDUIT AND WIRING. R/C EX WIRING. F/I NEW WIRING AS NOTED.
- 2 EX CONDUIT AND WIRING. R/C EX TS WIRING. EX SL WIRING TO REMAIN.
- 3 EX CONDUIT AND WIRING. R/C EX WIRING. CUT CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH. CAP OR DUCT SEAL END(S).
- 4 EX CONDUIT AND WIRING TO REMAIN.
- 5 EX CONDUIT AND 12/C TO REMAIN.
- 6 USE NEW EXTERNAL CONDUIT FOR PEDESTRIAN SIGNALS. SURFACE MOUNTED CONDUIT SHALL BE INSTALLED ON THE SIDE OPPOSITE THE ROADWAY OR INTERSECTION, UOH.
- 7 EXTEND 12/C INTERCONNECT TO NEW IC LOCATION. SPLICE TO EX 12/C TO MAINTAIN INTERCONNECT SYSTEM.
- 8 RETAIN EX SERVICE WIRES. SPLICE AND EXTEND TO NEW IC LOCATION. F/I 40A IN LINE FUSE AND FUSE HOLDER IN PULL BOX.
- 9 EXTEND EX CABLE CAR PRE-EMPT WIRES TO NEW IC LOCATION. SPLICE WIRES IF NEEDED.

ACTIVATION OF PED SIGNALS ON 12/2/08 @ 10:45 AM
 ATTENDED BY: GERARDINE DE LEON (DPT), PHREY ORTIZ (DPT
 SIGNAL SHOP), MICHAEL CHUC (DPT SIGNAL SHOP), AND TIM
 WONG (DPW BCM)

NOTE:

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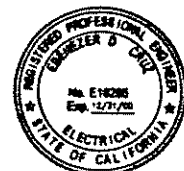
NO.	DATE	DESCRIPTION	BY	APP.
1	8/26/08	PCD #1: VARIOUS CHANGES BASED ON POLE LAYOUT	JS	SL

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	DATE:
GO/EF	10/07	SECTION MANAGER	DATE:
CXL	10/07	DEPUTY BUREAU MANAGER	DATE:
CHECKED:	DATE:	CITY ENGINEER	DATE:
BC	10/07		

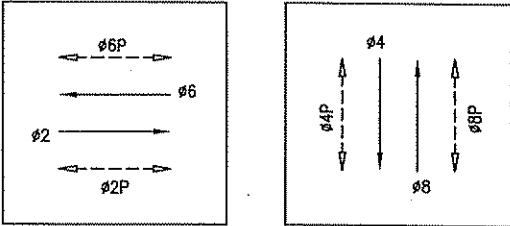
SCALE:	AS SHOWN
SHEET OF SHEETS	35 OF 78

CONTRACT 32	TRAFFIC SIGNAL MODIFICATIONS
EDDY ST & LAGUNA ST	

SPECIFICATION NO.	0985J
DRAWING NO.	E-10.0
FILE NO.	87.501
REV. NO.	1

POLE AND EQUIPMENT SCHEDULE										
POLE No.	TYPE OF POLE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
		No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	1-A(10')	81	3S8"	TV-1	T		88	1S-COUNT	SP-1	
②	EX 1-B (10')	22	3S8"				69	1S-COUNT	SP-1	
③	EX MUNI	21	3S8"				28	1S-COUNT	SP-1	
④	EX 1-B (12')	42	3S8"				89	1S-COUNT	SP-1	
⑤	EX MUNI POLE WITH SL	41	3S8"				48	1S-COUNT	SP-1	
⑥	1-A(10')	62	3S8"	TV-1	T		29	1S-COUNT	SP-1	
⑦	1-A(10')	61	3S8"	TV-1	T		68	1S-COUNT	SP-1	
⑧	EX 1-B (10')	82	3S8"				49	1S-COUNT	SP-1	

PHASE DIAGRAM



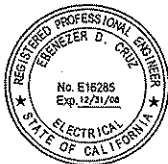
PHASE SEQUENCE

G		Y	R			EDDY ST.(EB+WB)-#2+#6	
R			G		Y	R	LAGUNA ST.(SB+NB)-#4+#8
WM		FRH	RH			PED XING LAGUNA ST.(SS+NS)-2P+6P	
RH			WM		FRH	RH	PED XING EDDY ST.(WS+ES)-4P+8P

REFERENCE INFORMATION & FILE NO. OF SURVEYS		TABLE OF REVISIONS	
NO.	DATE	DESCRIPTION	BY APP.
17	8/26/08	PCO #1: VARIOUS CHANGES BASED ON POLE LAYOUT	JS SL
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
GD 10/07	SECTION MANAGER DATE:
DRAWN: DATE:	DEPUTY BUREAU MANAGER DATE:
CXL 10/07	CITY ENGINEER DATE:
CHECKED: DATE:	
BC 10/07	

SCALE:	NONE
SHEET OF SHEETS	36 OF 78

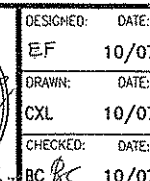
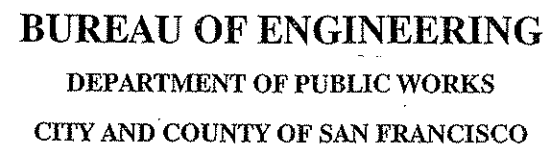
CONTRACT 32
TRAFFIC SIGNAL MODIFICATIONS
EDDY ST & LAGUNA ST
SCHEDULE

SPECIFICATION NO.	0985J
DRAWING NO.	E-10.1
FILE NO.	87,502
REV. NO.	1

[illegible]

1. GROUNDING WIRES NOT INCLUDED IN THIS WIRING SCHEDULE. FOR REQUIREMENTS SEE DETAIL

REFERENCE INFORMATION & FILE NO. OF SURVEYS	
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SCALE:
NONE
SHEET OF SHEETS
37 OF 78

CONTRACT 32 TRAFFIC SIGNAL MODIFICATIONS	
EDDY ST & LAGUNA ST SCHEDULE	

SPECIFICATION NO.	0985J
DRAWING NO.	E-10.2
FILE NO.	87,503
REV. NO.	

