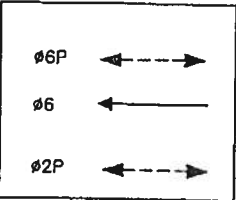
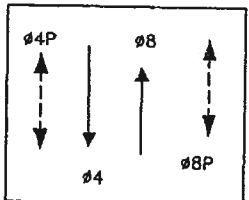




PHASE DIAGRAM



PHASES 2 & 6

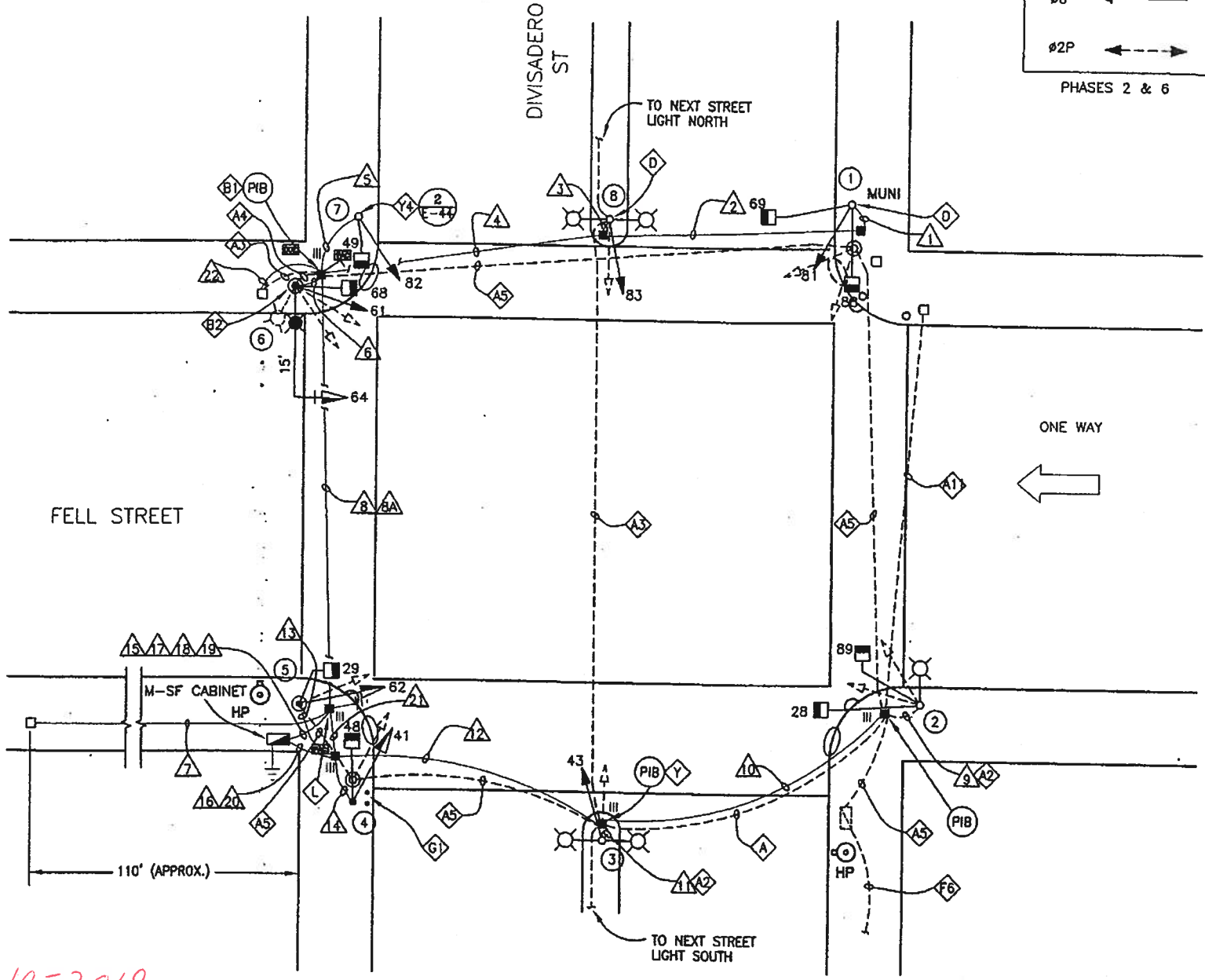


PHASES 4 & 8

PHASE SEQUENCE

G	Y	R
R	G	Y
WM	FRH	RH
RH	WM	FRH

FELL ST
DIVISADERO ST
PED XING DIVISADERO
PED XING FELL



SHEET NOTES

1. ADDITIONAL PULL BOXES, CONDUIT AND 12/C TO BE FURNISHED AND INSTALLED AT THIS INTERSECTION ARE SHOWN ON DWG E-43.1.
2. CONTRACTOR SHALL VERIFY THE VOLTAGE OF EACH EXISTING STREET LIGHT LUMINAIRE SO THE NEW STREET LIGHT LUMINAIRE REPLACING THE OLD LUMINAIRE SHALL HAVE THE SAME VOLTAGE.

DETAIL NOTES

- A EX CONDUIT AND WIRING. R/C EX WIRING. F/I 1/4" NYLON PULL ROPE.
- A1 EX CONDUIT AND WIRING. R/C EX WIRING. F/I NEW WIRING AS SHOWN.
- A2 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL AND OTHER WIRING TO REMAIN. F/I NEW WIRING AS NOTED.
- A3 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL AND OTHER WIRING TO REMAIN.
- A4 EX CONDUIT AND WIRING. R/C EX WIRING AND CONDUIT. REPAIR SIDEWALK TO MATCH EX.
- A5 EX CONDUIT AND WIRING. R/C EX WIRING. CUT CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH, CAP OR DUCT SEAL END(S).
- A1 EX CONDUIT AND WIRING TO REMAIN.
- B1 SPICE NEW WIRING TO EX SL WIRING TO ACTIVATE NEW SL CIRCUIT.
- B2 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDER PER SPDWSP #49,092.
- D CHIP EX FOUNDATION CAREFULLY TO BRING NEW CONDUIT INTO BASE OF STANDARD OR CONTROLLER CABINET, AND REPAIR AFTER INSTALLATION.
- F8 EX CONDUIT AND 12/C. R/C EX 12/C. CUT CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH, CAP OR DUCT SEAL END(S). FOR CONTINUOUS DISTANCE BETWEEN THE CONTROLLERS FROM OAK STREET TO FELL STREET, SEE DWG. E-43.1.
- G1 F/I BOLLARDS PER SPDWSP #LA-021 INCLUDING PRIME PAINTING AND PAINTING EACH BOLLARD WITH TWO COATS OF OSHA SAFETY YELLOW.
- L F/I IN-LINE FUSE HOLDER WITH 40A FUSE FOR IC SERVICE. F/I GROUND ROD.
- Y R/S EX PULL BOX COVER.
- Y4 F/I EXTERNAL GRSC.

AS BUILT DRAWING
APPROVAL SIGNATURES ON ORIGINAL CONTRACT DRAWINGS.

11-10-2019
Shahram Shariati SRC 2019-127
Replaced All 8" Signal Heads with New 12" Signal Heads

NO.	DATE	DESCRIPTION	BY	APP.
5/01	CHANGE ORDER #3 USF- HOWERUN	JP	SL	
4/01	CHANGE ORDER #J	JE	SL	
2/00	ISSUED FOR BID	JM	NKS	

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
DVS/EF 02/00	
DRAWN: DATE:	SECTION MANAGER DATE:
EF 02/00	
CHECKED: DATE:	DIVISION MANAGER DATE:
NKS 02/00	
	CITY ENGINEER DATE:

SCALE:
1" = 10'-0"
SHEET OF SHEETS
64 OF 89

OAK AND FELL STREETS	SPECIFICATION NO. 1660N
TRAFFIC SIGNAL UPGRADE	DRAWING NO. E-32.0
DIVISADERO AND FELL STREETS	FILE NO. 74205
	REV. NO. 0

EXTERNAL REFERENCES: SHEETS
SCALE FACTOR: XX
FILE NAME: E-32.0
DATE: 11-10-2019

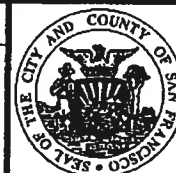
CONDUIT AND WIRING SCHEDULE																							
CONDUIT RUN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
CONDUIT SIZE IN INCHES (MM)	2 (53)	2 (53)	2 (53)	2 (53)	2 (53)	2 (53)	1 1/2 (41.8)	2 (53)	2 (53)	EX	2 (53)	EX	2 (53)	2 (53)	2 (53)	2 (53)	2 (53)	2 (53)	1 1/2 (41.8)	2 (53)	2 (53)	2 (53)	
NOTES									A2		A2								SP	SP	SP	SP	
WIRING (F/I)	#14 WIRES																						
	SIGNAL 81	3	3		3					3						3							
	SIGNAL 69	2	2		2					2						2							
	SIGNAL 88	2	2		2					2						2							
	SIGNAL 83			3	3					3						3							
	SIGNAL 82					3				3													
	SIGNAL 49					2				2								3					
	SIGNAL 61						3			3								2					
	SIGNAL 64						3			3								3					
	SIGNAL 68						2			2								3					
	SIGNAL 89										2	2		2				2					
	SIGNAL 28									2	2							2					
	SIGNAL 43												3	3				2					
	SIGNAL 62																	3					
	SIGNAL 29														3			3					
	SIGNAL 41														2			2					
	SIGNAL 48															3		3					
															2			2					

POLES		LUMINAIRE (HPS) VOLTAGE/WATTS	VEHICULAR SIGNALS		PEDESTRIAN SIGNALS		REMARKS
POLE ID	TYPE		NO	TYPE	MOUNTING (F/I)	NO	
1	EXISTING MUNI STANDARD		81	3S12"	SV-1-T	69 88	1S-IN 1S-IN SP-2-T
2	EXISTING STREETLIGHT					28 89	1S-IN 1S-IN SP-1 SP-1
3	EXISTING STREETLIGHT		43	3S12"	SV-1-T		
4	1-A (10')		41	3S12"	TV-1-T	48	1S-IN SP-1
5	1-A (10')		62	3S12"	TV-1-T	29	1S-IN SP-1
6	17-1-70 15' MASTARM	240V/200W	61 64	3S12" 3S12"	SV-1-T MAS	68	1S-IN SP-1
7	EXISTING MUNI STANDARD		82	3S12"	SV-1-T	49	1S-IN SP-1-T
8	EXISTING STREETLIGHT		83	3S12"	SV-1-T		

DETAIL NOTES

- A2 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL AND OTHER WIRING TO REMAIN. F/I NEW WIRING AS NOTED.
- B2 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDER PER SFDPWSP #49,092.

6/03	AS-BUILT	DW	SL
5/01	CHANGE ORDER #3 MSF- HOMERUN	JP	SL
4/01	CHANGE ORDER #3	JE	SL
2/00	ISSUED FOR BID	JN	NKS
NO.	DATE	DESCRIPTION	BY
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: DVS/EF 02/00	APPROVED	SCALE: NONE
DRAWN: DATE: EF 02/00	SECTION MANAGER DATE:	SHEET OF SHEETS 65 OF 89
CHECKED: DATE: NKS 02/00	DIVISION MANAGER DATE:	
	CITY ENGINEER DATE:	

AS BUILT DRAWING APPROVAL SIGNATURES ON ORIGINAL CONTRACT DRAWINGS.	
OAK AND FELL STREETS TRAFFIC SIGNAL UPGRADE	SPECIFICATION NO. 1660N
DIVISADERO AND FELL STREETS SCHEDULES	DRAWING NO. E-32.1
	FILE NO. 74206
	REV. NO. 0

EXTERNAL REFERENCES: US3422.dwg
POINTS USED: QUANTITY ROADWAY.SXD
SCALE FACTOR: 120
PLOT SCALE: NONE
ORIGIN: ELECTRICAL
FILE NAME: E-32-1.dwg
DATE: JUL 01 1999 16:40