

# MATERIAL LIST

PcNo	DESCRIPTION	REQ'D.	UNIT PRICE	EXT'N.
A54	GROUNDING STRAP, 7" x 1-1/4" x 3/16" FLAT BAR, STEEL - DWG. E-32	1		
P10	5/8" ANCHOR BOLT, 18" LONG WITH 4" FOOT, STEEL --- THD. FOR 4" & GALV. FOR 8" (MIN.) FROM TOP END	4		
P18	5/8" HEX NUT, REG., GALV. STEEL (2 EA. TO BE SUPPLIED W/EA. ANCHOR BOLT)	8		
P30	5/8" FLAT WASHER, REG., GALV. STEEL (2 EA. TO BE SUPPLIED W/EA. ANCHOR BOLT)	8		
P31	3/8" I.P.S. U-BOLT, STEEL, W/2 HEX NUTS --- DWG. E-32	1		
P36	2" I.P.S. U-BOLT, STEEL, W/2 HEX NUTS --- DWG. E-32	1		
	2" CONDUIT ELL, STD. 90° GALVANIZED COND., CPL. TO LENGTH (AS REQ.) OF 2" GALV. COND.	1		
	2" CONDUIT BUSHING, PLAIN, GALV. STEEL	1		
	2" CONDUIT BUSHING, GROUNDING, BRONZE	1		
	4" PIPE FLANGE, CAST IRON	1		
	TRAFFIC SIGNAL STD. --- 4" INTERMEDIATE METAL CONDUIT --- 9'-10" LENGTH (STD. 10' LENGTH W/O COUPLING) SEE TABLE BELOW	1		
	CURB BOX, PRECAST NON-CONCRETE, No. 5 UNLESS OTHERWISE SPECIFIED (SEE DWG. E-9)	1		
	CONCRETE, SIDEWALK, 5-SACK MIX	1/4 YD.		
	CRUSHED ROCK, 3/4" MAXIMUM AGGREGATE	A.R.		
	LATEX CONCRETE	A.R.		

TABLE OF LENGTHS FOR TRAFFIC SIGNAL STANDARDS		POLE LENGTH
TYPE	OF SIGNAL	
VEHICULAR LEFT-TURN (NEAR SIDE) & CONTROLLER PEDESTAL		3'-5"
VEHICULAR LEFT-TURN (FAR SIDE)		6'-5"
PEDESTRIAN (ONLY)		7'-8"
VEHICULAR (ONE OR MORE 3-LIGHT HEADS)		9'-10"

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE SIGNED CITY OF OAKLAND STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION IS AVAILABLE FOR PURCHASE FROM THE CONTRACT ADMINISTRATION DEPARTMENT.

CITY OF OAKLAND

DESIGN AND CONSTRUCTION SERVICES DEPARTMENT



## INSTALLATION OF TRAFFIC SIGNAL STANDARD 4-INCH PIPE SIZE SHEET 2 OF 2

ELECTRICAL SERVICES MANAGER

DATE: JUL 87  
REV. DATE: AUG 99

DRWG.

**E-39**