

CONDUCTOR TYPE			
CONDUCTOR SIZE AWG	TYPE OF INSULATION AND MINIMUM THICKNESS		NUMBER OF STRANDS CLASS "B"
	THW	THWN (INCLUDING NYLON JACKET)	
#14 *	1.02 mm (40 mils)	-	SOLID
#14	1.02 mm (40 mils)	0.43 mm (17 mils)	7
#12	1.02 mm (40 mils)	0.43 mm (17 mils)	SOLID
#10	1.02 mm (40 mils)	0.56 mm (22 mils)	7
#8	1.37 mm (54 mils)	0.81 mm (32 mils)	7
#6	1.37 mm (54 mils)	0.81 mm (32 mils)	7
#4	1.37 mm (54 mils)	1.07 mm (42 mils)	7
#2	1.37 mm (54 mils)	1.37 mm (54 mils)	7

* COLOR CODED TRAFFIC SIGNAL CONDUCTORS. OTHER CONDUCTORS MUST BE APPROVED BY THE ENGINEER.

CONDUCTOR TABLE					
(SEE CALTRANS STANDARD SPECIFICATIONS FOR ADDITIONAL CONDUCTOR INFORMATION)					
CIRCUIT	SIGNAL PHASE OR FUNCTION	INSULATION COLORS		BAND SYMBOLS (SEE NOTE 1)	SIZE (AWG)
		BASE	STRIPE		
VEHICLE SIGNALS	2, 6	RED, YELLOW, BROWN	BLACK	2, 6	14
	4, 8	RED, YELLOW, BROWN	ORANGE	4, 8	14
	1, 5	RED, YELLOW, BROWN	NONE	1, 5	14
	3, 7	RED, YELLOW, BROWN	PURPLE	3, 7	14
	COMMON	WHITE	NONE	NONE	10
PEDESTRIAN SIGNALS	2P, 6P	RED, BROWN	BLACK	2P, 6P	14
	4P, 8P	RED, BROWN	ORANGE	4P, 8P	14
	1P, 5P	RED, BROWN	NONE	1P, 5P	14
	3P, 7P	RED, BROWN	PURPLE	3P, 7P	14
	COMMON	WHITE	NONE	NONE	10
PEDESTRIAN PUSH BUTTONS	2P, 6P	BLUE	BLACK	P-2, P-6	14
	4P, 8P	BLUE	ORANGE	P-4, P-8	14
	1P, 5P	BLUE	NONE	P-1, P-5	14
	3P, 7P	BLUE	PURPLE	P-3, P-7	14
	COMMON	WHITE	BLACK	NONE	14
TRAFFIC SIGNAL CONTROLLER FEED CONDUCTORS	- - -	BLACK	NONE	CON-1	8 (NOTE 3)

CITY OF PASADENA - PUBLIC WORKS & TRANSPORTATION DEPARTMENT

DRAWN BY: BANG CHAU	TRAFFIC SIGNAL AND MULTIPLE STREET LIGHT CONDUCTORS (600 VOLTS PVC COPPER)	REVISION: 2	UNITS: DUAL
		STANDARD PLAN: S-974	
		SHEET 1 OF 2	
CHECKED BY: CATHY CHANG	APPROVED BY: <i>Ste. A. Wright</i>	5/7/02 DATE	
SUBMITTED BY: JIM VALENTINE	ACTING CITY ENGINEER RCE NO. 48650 EXPIRES JUNE 30, 2004		

CONDUCTOR TABLE (Continued)

(SEE CALTRANS STANDARD SPECIFICATIONS FOR ADDITIONAL CONDUCTOR INFORMATION)

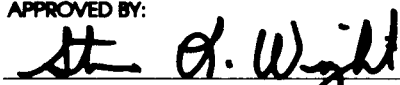
CIRCUIT	SIGNAL PHASE OR FUNCTION	INSULATION COLORS		BAND SYMBOLS (SEE NOTE 1)	SIZE (AWG)
		BASE	STRIPE		
MULTIPLE STREET LIGHT CONDUCTORS PULL BOX TO LUMINAIRE	UNGROUNDING LINE 1	BLACK	NONE	NONE	10
	UNGROUNDING LINE 2	RED	NONE	NONE	10
	NEUTRAL OR COMMON	WHITE	NONE	NONE	10
OTHER	UNGROUNDING LINE 1	BLACK	NONE	NONE	**
	UNGROUNDING LINE 2	RED	NONE	NONE	**
	NEUTRAL OR COMMON	WHITE	NONE	NONE	**
MULTIPLE SERVICE	UNGROUNDING LINE 1	BLACK	NONE	NONE	6 (NOTE 3)
	UNGROUNDING LINE 2	RED	NONE	NONE	6 (NOTE 3)
	NEUTRAL OR COMMON	WHITE	NONE	NONE	6 (NOTE 3)
COMMUNICATIONS	SEE SPECIAL PROVISIONS				14
RAILROAD PRE-EMPTION		BLACK	NONE	R	14
SPARES		BLACK	NONE	NONE	14
DETECTOR LOOP LEAD IN CABLE	1 - 8	SAME AS PEDESTRIAN PUSH BUTTON		D1, D8	#8720 BELDEN CABLE OR EQUAL
	COMMON	SAME AS PEDESTRIAN PUSH BUTTON		D1, D8	#8720 BELDEN CABLE OR EQUAL

** SEE CITY OF PASADENA STANDARD PLAN S-971 AND NOTE 3 BELOW.

NOTES

1. BAND (TAG) CONDUCTORS IN EACH PULL BOX AND NEAR ENDS OF TERMINATION POINTS. ON TRAFFIC SIGNAL CIRCUITS, A SINGLE BAND MAY BE PLACED AROUND 2 OR 3 UNGROUNDED CONDUCTORS COMPRISING A PHASE.
2. ON OVERLAPS, INSULATION COLOR SHALL BE THE COLOR OF THE FIRST PHASE IN DESIGNATION, FOR EXAMPLE, A PHASE (2+3) CONDUCTOR IS THE COLOR OF PHASE 2.
3. ITEMS NOTED DIFFER FROM CALTRANS STANDARD SPECIFICATIONS.

CITY OF PASADENA - PUBLIC WORKS & TRANSPORTATION DEPARTMENT

DRAWN BY: BANG CHAU	TRAFFIC SIGNAL AND MULIPLE STREET LIGHT CONDUCTORS (600 VOLT PVC COPPER)	REVISION: 2	UNITS: DUAL
CHECKED BY: CATHY CHANG		STANDARD PLAN: S-974	
SUBMITTED BY: JIM VALENTINE	APPROVED BY:  ACTING CITY ENGINEER	5/7/02 DATE	SHEET 2 OF 2 <small>S974-2-REV2.DWG 4/24/02</small>
<small>ACTING CITY ENGINEER RCE NO. 18660 EXPIRES JUNE 30, 2004</small>			