

GENERAL NOTES

- ALL WORK, MATERIALS, AND EQUIPMENT SHALL CONFORM TO THE MAY 2006 EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD PLANS AND THE PROJECT'S SPECIAL PROVISIONS. CURB RAMPS SHALL BE CONSTRUCTED TO CONFORM TO THE DETAILS IN THE CURRENT EDITION OF THE CALTRANS STANDARD PLANS.
- PULL BOXES SHALL BE NO. 5 UNLESS OTHERWISE NOTED.
- NEW SIGNAL POLES SHALL BE LOCATED IN THE PRESENCE OF THE ENGINEER. LOCATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATION. POLES SHALL BE LOCATED A MINIMUM OF 30" FROM THE FACE OF CURB, AND SHALL PROVIDE A MINIMUM OF 48" SIDEWALK CLEARANCE FOR WHEELCHAIR ACCESS AND PEDESTRIAN TRAFFIC.
- ALL CONDUIT INSTALLATION SHALL BE BY TRENCHING IN PAVEMENT OR DIRECTIONAL DRILLING METHODS UNLESS OTHERWISE NOTED.
- LOCATION OF POLES, PULL BOXES, EQUIPMENT, AND POSITIONING OF DETECTORS ARE SCHEMATIC UNLESS OTHERWISE NOTED. BEFORE BEGINNING ANY CONSTRUCTION OPERATION, THE CONTRACTOR SHALL CHECK FOR CONFLICTS WITH UNDERGROUND UTILITIES, OVERHEAD UTILITIES, OR OTHER OBSTACLES. IF EQUIPMENT OR POLES MUST BE RELOCATED, THE ENGINEER MUST APPROVE THE NEW LOCATION PRIOR TO INSTALLATION.
- NEW ROADSIDE SIGNS SHALL CONFORM TO THE LATEST PROVISIONS OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE 2006 STANDARD PLANS. THE CONTRACTOR SHALL SUPPLY ALL MATERIALS FOR NEW SIGNS AND POSTS.
- UNLESS OTHERWISE NOTED, ALL ITEMS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF SUCH ITEMS.
- CONTRACTOR SHALL FURNISH AND INSTALL RED, YELLOW, AND GREEN (CIRCULAR AND/OR ARROW) LIGHT-EMITTING DIODE (LED) MODULES IN EACH NEW VEHICLE SIGNAL HEAD AND A COMBINATION PORTLAND ORANGE "UPRAISED HAND"/WHITE "WALKING PERSON" LED MODULE WITH TWO-DIGIT COUNTDOWN DISPLAY IN EACH NEW PEDESTRIAN SIGNAL HEAD. THE LED SIGNAL MODULES SHALL CONFORM TO CURRENT STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
- ALL NEW SIGNAL FACES SHALL BE PROVIDED WITH 12" SECTIONS. ALL SIGNAL HEADS SHALL HAVE METAL BACKPLATES.
- THE CONDUCTOR SCHEDULE IS FURNISHED AS AN INSTALLATION GUIDE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT NUMBER OF CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
- ALL NEW PEDESTRIAN PUSH BUTTONS SHALL BE MOUNTED AT A HEIGHT OF 36" ABOVE FINISHED GRADE.
- TRAFFIC CONTROL MUST BE PERFORMED IN ACCORDANCE WITH THE CALIFORNIA MUTCD AND THE 2006 CALTRANS STANDARD PLANS. CONTRACTOR SHALL HAVE A CITY APPROVED TRAFFIC CONTROL PLAN PRIOR TO THE START OF WORK.
- EXISTING UTILITY POLES AND LINES SHALL NOT BE DISTURBED AND SHALL REMAIN OPERATIONAL. IF DAMAGED, THE CONTRACTOR SHALL REPLACE OR REPAIR UTILITIES AT NO COST TO THE CITY.
- ALL TYPE D LOOPS CLOSEST TO THE STOP BAR SHALL CONSIST OF 5 WINDINGS AS DESCRIBED IN CALTRANS STANDARD PLANS ES-5B, NOTE 2.

**100% SUBMITTAL
AUGUST 2011
NOT FOR CONSTRUCTION**

POLE AND EQUIPMENT SCHEDULE

LOCATION	STANDARD			VEHICLE SIGNAL MOUNTING		PED SIGNAL MOUNTING	PPB		HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS*
	TYPE	SIGNAL MAST ARM	LUMINAIRE MAST ARM	MAST ARM	POLE		Ø	ARROW		
(A)	15TS		12'				6	←	150	SEE FOOTNOTE [1].
(B)	1-A				TV-2-T	SP-1-T				SEE FOOTNOTE [1].
(C)	19-4-100	30'	15'	MAT MAS	SV-2-TB				150	SEE FOOTNOTE [1].
(D)	17-3-100	15'	12'	MAS	SV-2-TA	SP-1-T	4	←	150	SEE FOOTNOTE [1].
(E)	17-3-100	15'	15'	MAS	SV-1-T SV-1-T	SP-1-T	4	←	150	SEE FOOTNOTE [1], [2] & [3].
(F)	1-A (7')					TP-1-T	6	→		SEE FOOTNOTE [1].

*OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN MOUNTINGS, SEE CALTRANS STANDARD PLANS, MAY 2006 AND APPLICABLE REVISED STANDARD PLAN SHEETS.

FOOTNOTES

- FURNISH AND INSTALL POLE AND EQUIPMENT. ALL NEW SIGNAL POLES AND MAST ARMS SHALL BE FINISHED WITH TNEC BLACK PAINT, PER CITY OF LOS ALTOS SPECIFICATIONS.
- INSTALL Ø2 SV-1-T SIGNAL HEAD AT 17' ELEVATION.
- INSTALL 2-DIRECTION/2-CHANNEL EMERGENCY VEHICLE DETECTOR ON TOP OF SIGNAL MAST ARM AT APPROXIMATE LOCATION SHOWN ON PLAN.

CONDUCTOR SCHEDULE

AWG OR CABLE	CIRCUIT	NUMBER OF CONDUCTORS/CABLES															
		RUN NUMBER															
		1	2	3a	3b	4a	4b	5	6	7	8	9	10	11	12	13	14
NO. 14	Ø2			3	3	3	3	3	3	3	3			3	3		
	Ø4			3	3	3								3	3		
	Ø5			3	3	3	3							3			
	Ø6				6		6	3	3	3							
	Ø4P			2	2	2	2	2	2					2	2		
	Ø6P				4		4	2	2	2							
	Ø4PPB			1	1	1	1	1	1	1				1	1		
	Ø6PPB				1		1	1	1								
	PPB COMMON			1	1	1	1	1	1	1				1	1		
	SPARES			3	3	3	3	3	3	3				3	3		
	TOTAL NO. 14			16	24	16	24	16	16	13			16	13			
NO. 10	SIGNAL NEUTRAL			1	1	1	1	1	1	1			1	1			
	SAFETY LIGHTING (240V)			2	2	2	2	2	2	2			2	2			
NO. 8	EQUIPMENT GROUND (BARE COPPER)			1	1	1	1	1	1	1			1	1			
	TOTAL NO. 8			3	3	3	3	3	3	3			3	3			
NO. 6	CONTROLLER SERVICE (120V)		2														
NO. 2	SERVICE (120V/240V)		3														
DLC	Ø2			1		1							1	1	1		
	Ø2 (ADVANCE LOOP)			1		1							1	1	1	1	
	Ø4				2		2	2	2				2				
	Ø5			1		1							1	1	1		
	Ø6			1												1	
	Ø6 (ADVANCE LOOP)			1												1	
	TOTAL DLC'S			5	2	3	2	2	2			2	3	3	3	1	
EMERGENCY VEHICLE PREEMPT CABLES	EVA				1		1	1	1	1							
	EVB				1		1	1	1	1							
	TOTAL EVP CABLES				2		2	2	2	2							
SIC	SIGNAL INTERCONNECT															1	
	NEW (N) OR EXISTING (E)			N	N	N	N	N	N	N	N	N	N	N	N	N	
	CONDUIT SIZE			2"	2"	3"	3"	3"	3"	3"	3"	2"	2"	2"	2"	2"	
	FOOTNOTES REFERENCE			(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	

CONDUCTOR SCHEDULE FOOTNOTES:

- (A) FURNISH AND INSTALL NEW CONDUIT AND CONDUCTORS/CABLES.

E-2

DRAWN Ralph Garcia	DESIGNED Ralph Garcia	SCALE N/A	PREPARED BY:  Hexagon Transportation Consultants, Inc. 111 West St. John Street, Suite 850 San Jose, California 95113 Ph: (408) 971-6100 Fx: (408) 971-6102	REVISIONS NO. DATE BY DESCRIPTION APPR. DATE		CITY OF LOS ALTOS HOMESTEAD ROAD HOMESTEAD RD. & FOOTHILL CROSSING TRAFFIC SIGNAL NOTES & SCHEDULES PREPARED FOR: CITY OF LOS ALTOS	DRAWING NO. 16 SHT 16 OF 24
CHECKED Jeff Elia	DATE 8/15/11						
APPROVED		CONTRACT NO.					
ENGINEER	DATE						