

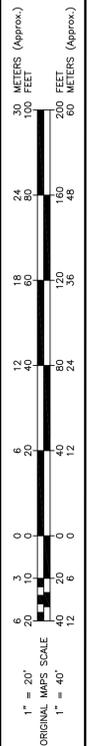
No.	TYPE	FOUND. TYPE	PED. PUSH BUTN TYPE	REMARKS/RELATED NOTES
1	356 CAB	F-332*		ATSC 2070 Controller in 356 Cabinet
2	26-4-100	CIDH	APS(4P)	INSTALL 40' M.A., F=15' & APS
3	7	F-7	APS(6P)	INSTALL APS [6]
4	CD953C	BSL		
5	17-3-100	CIDH	APS(6P)	20' Mast Arm; INSTALL APS
6	CD953C	BSL	APS(6P)	INSTALL APS
7	26-4-100	CIDH	APS(6P)	INSTALL 40' M.A., F=15' AND APS
8	7	F-7	APS(2P)	INSTALL APS [6]
9	CD814E	BSL		
10	19-4-100	CIDH	APS(2P)	25' Mast Arm; INSTALL APS
11	7	F-7	APS(4P)	INSTALL APS
12	CD953C	BSL		
13	M	F-12A		Communication cabinet

\* Existing  
 \*\* Per LADOT STD. DWG. No. S-52.1.6 signed Nov. 20, 2015

**NOTES**

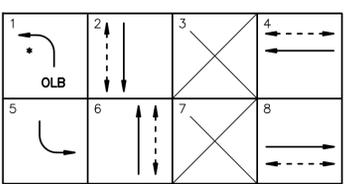
1. SEMI-ACTUATED OPERATION WITH TRANSIT PRIORITY (ATSC 2070 CONTROLLER IN 356 CABINET)

- Ø1 - TIMING ONLY
  - Ø2 - SAMPLE BLVD. SB & W/S PED. XING
  - Ø4 - PERMIT AVE. WB & N/S PED. XING
  - Ø5 - SAMPLE BLVD. SB LT
  - Ø6 - SAMPLE BLVD. NB & E/S PED. XING
  - Ø8 - PERMIT AVE. EB & S/S PED. XING
  - OLB (Ø1) - SAMPLE BLVD. NB LT
- RESEDA ATSC SYSTEM  
 ATSC CABLE INTERCONNECT

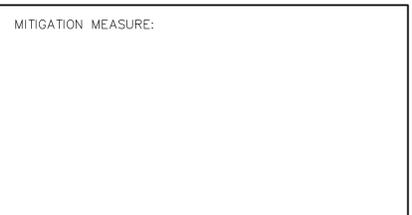


- 2. INSTALL ATSC 2070 CONTROLLER IN 356 CABINET. THE CONTRACTOR SHALL PROVIDE A COMPLETE FUNCTIONING CONTROLLER ASSEMBLY AND CABINET CONFORMING TO THE LATEST LADOT SPECIFICATION FOR 2070 CONTROLLER AND 356 CABINET, AND SHALL INCLUDE ALL NECESSARY AUXILIARY EQUIPMENT TO PROVIDE A COMPLETE AND FUNCTIONING CONTROLLER. CONTRACTOR TO DELIVER COMPLETELY ASSEMBLED CONTROLLER FOR TESTING TO THE DEPARTMENT OF TRANSPORTATION GENERAL SHOP PIPER TECHNICAL CENTER, 555 RAMIREZ STREET SIXTY (30) WORKING DAYS PRIOR TO INSTALLATION. CONTRACTOR TO PICK UP AND INSTALL CONTROLLER ASSEMBLY WITH ADAPTOR BASE ON EXISTING F-332 FOUNDATION.
- 3. REMOVE PULL BOX, AND ABANDON CONDUIT(S).
- 4. REMOVE EXISTING 2070 CONTROLLER AND 332 CABINET; RETAIN FOUNDATION
- 5. REMOVE STANDARD, TRAFFIC SIGNAL EQUIPMENT, FOUNDATION AND PULL BOX. ABANDON CONDUIT(S).
- 6. REMOVE PEDESTRIAN PUSH BUTTON AND PLUG HOLE AS DIRECTED BY TRAFFIC SIGNAL INSPECTOR.

ESTIMATED SALVAGE MATERIAL TO BE RETURNED TO LADOT	
UNITS	MATERIAL
1	ATSC 2070 Controller
All	Removed LED Heads



**PROPOSED PHASE DIAGRAM**  
 \* OLB - RA, YA, FYA, GA (4 SECTION HEAD)



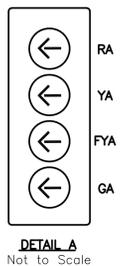
- 7. INSTALL DETECTOR LOOP(S) PER LADOT STD. DWG. NO. S-70.1.A & S-70.1.D (CASE II).
- 8. INSTALL BICYCLE DETECTOR LOOP(S) PER LADOT STD. DWG. NOS S-75.0 AND S-70.1D (CASE I).
- 9. INSTALL ACCESSIBLE PEDESTRIAN SIGNAL PER LADOT STD. DWG. NO. S-73.2.
- 10. CONTRACTOR MAY RE-USE THE EXISTING DLC IN THE PULLBOX AS DETERMINED BY THE TRAFFIC SIGNAL INSPECTOR. IF DLC CABLE IS DAMAGED, NEW DLC CABLE SHALL BE INSTALLED FROM THE PULL BOX TO THE CONTROLLER.
- 11. CONTRACTOR MAY RE-USE EXISTING STUB-OUT AS DETERMINED BY THE TRAFFIC SIGNAL INSPECTOR. IF STUB-OUT IS NOT IN PLACE OR DAMAGED, CONTRACTOR SHALL INSTALL NEW STUB-OUT PER LADOT STD. DWG. S-70.1A.

SIZE No.	CABLE / WIRE	CONDUCTOR SCHEDULE																							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
5	CONDUCTOR CABLE 5 X #14																								
9	CONDUCTOR CABLE 8 X #14 & 1 X #10 (COM)																								
13	CONDUCTOR CABLE 12 X #14 & 1 X #10 (COM)																								
28	CONDUCTOR CABLE 27 X #14 & 1 X #10 (COM)																								
	ACCESSIBLE PEDESTRIAN SIGNAL (APS) 5 X #14	2	2	1	1	2	2	2	2	2	1	1	1	1	2	2	1	1	2	2	1	2			
6	SERVICE																								
14	PED PUSHBUTTON																								
12	BUS DLC (1-PAIR)																								
18	DLC (2 PAIR)	1	2	2																					
18	DLC (3 PAIR)																								
18	DLC (4 PAIR)																								
14	DLC (EXISTING)																								
22	I/C (12 PAIR)																								
CONDUIT SIZE		2"	2"	2"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	2"			

\* CONTRACTOR SHALL ADD/INSTALL NEW CONDUCTORS/CABLES IN EXISTING CONDUIT AS DESIGNATED IN THE CONDUCTOR SCHEDULE. ALL EXISTING CONDUIT/CABLES SHALL BE PROTECTED AND MAINTAINED IN EXISTING CONDUITS.

**NOTICE TO CONTRACTOR**

- EXCEPT WHERE OTHERWISE INDICATED, MATERIALS AND INSTALLATION METHODS SHALL CONFORM TO THE LATEST EDITION WITH SUPPLEMENTS, OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, ADOPTED BY THE CITY OF LOS ANGELES BOARD OF PUBLIC WORKS (LAPBW), INCLUDING THE LATEST VERSION OF THE "BROWN BOOK" ISSUED BY THE LAPBW, AND THE LATEST EDITION, WITH AMENDMENTS, OF THE SPECIAL PROVISIONS AND STANDARD DRAWINGS FOR THE INSTALLATION AND MODIFICATION OF TRAFFIC SIGNALS, ISSUED BY THE CITY OF LOS ANGELES DEPARTMENT OF TRANSPORTATION (LADOT).
- ALL TRAFFIC SIGNAL AND/OR RELATED ELECTRICAL WORK SHALL BE PERFORMED AND INSPECTED UNDER THE CONDITIONS OF THE MOST CURRENT AMENDED BOARD OF PUBLIC WORKS "ENHANCED ELECTRICAL SAFETY POLICY" AS REQUIRED IN LADOT'S SPECIAL PROVISIONS AND STANDARD DRAWINGS FOR THE INSTALLATION AND MODIFICATION OF TRAFFIC SIGNALS (RED BOOK), REGARDLESS OF CONTRACT COST.
- THE LADOT TRAFFIC SIGNAL INSPECTOR AT (---)----- SHALL BE NOTIFIED THREE (3) WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION. FOR WORK IN THE AUTOMATED TRAFFIC SURVEILLANCE AND CONTROL (ATSC) PROJECT AREA, A FIELD MEETING SHALL BE SCHEDULED WITH THE SIGNAL SYSTEM SUPERVISOR AT (213) 473-8286 AND THE SIGNAL MAINTENANCE SUPERVISOR AT (---)----- THREE (3) WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION. FULL RESTORATION OF THE ATSC SYSTEM MUST OCCUR WITHIN FIVE (5) WORKING DAYS AFTER SHUT DOWN.
- REGULAR TRAFFIC SIGNAL CONTROL SHALL BE MAINTAINED FROM 6:00 A.M. TO 9:00 A.M. AND 3:00 P.M. TO 7:00 P.M. ON WEEKDAYS, EXCEPT NATIONAL HOLIDAYS. FLASHING DEACTIVATION AND ACTIVATION OF SIGNALS SHALL BE ACCOMPLISHED ONLY BY AN LADOT TRAFFIC SIGNAL ELECTRICIAN. ALL ARRANGEMENTS TO DEACTIVATE SIGNALS SHALL BE MADE 24 HOURS IN ADVANCE BY CONTACTING THE LADOT TRAFFIC SIGNAL DEDICATED LINE AT (213) 473-8478 BEFORE 9:00 A.M. ON NON-HOLIDAY WEEKDAYS. THE LADOT PROJECT NUMBER MUST BE GIVEN AT THIS TIME. THE CONTRACTOR WILL BE CHARGED FOR ALL ELECTRICAL AND TRAFFIC CONTROL SERVICE PROVIDED BY LADOT.
- ARRANGEMENTS FOR OBTAINING ANY MATERIALS IDENTIFIED TO BE SUPPLIED BY LADOT SHALL BE MADE TEN (10) WORKING DAYS IN ADVANCE BY CONTACTING THE LADOT FIELD OPERATIONS DIVISION AT (213) 928-9603. HOWEVER, TRAFFIC SIGNAL CONTROLLERS REQUIRE SIXTY (60) WORKING DAYS ADVANCE NOTICE AND MUST BE PICKED UP WITHIN FIFTEEN (15) WORKING DAYS AFTER NOTIFICATION. CONTACT LADOT SIGNAL SHOP AT (213) 473-8468 TO COORDINATE CONTROLLER DELIVER AND/OR PICKUP.
- ALL IDENTIFIED TRAFFIC SIGNAL EQUIPMENT SHALL BE RETURNED TO LADOT. ARRANGEMENTS FOR RETURNING IDENTIFIED EQUIPMENT TO LADOT SHALL BE MADE FIVE (5) WORKING DAYS IN ADVANCE BY CONTACTING THE LADOT MATERIAL SERVICES DIVISION AT (213) 928-9636.
- ALL EXISTING TRAFFIC CONTROL SIGNING SHALL BE MAINTAINED WITH STANDARD SIGN BRACKETS BY THE CONTRACTOR. EXCEPT WHERE OTHERWISE INDICATED, EXISTING LARGE STREET NAME SIGNS ON MAST ARM TYPE STANDARDS SHALL BE RELOCATED FROM THE VERTICAL POLE TO THE MAST ARM PER LADOT STANDARD DRAWING NO. S-457.0 AND S-486.0. THE CONTRACTOR SHALL COORDINATE WITH LADOT SIGN SHOP AT (213) 473-7954 FOR ANY REQUIRED LARGE STREET NAME SIGNS. ANY TRAFFIC CONTROL SIGNING DAMAGED OR LOST BY THE CONTRACTOR SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SIGNAL CONTRACTOR SHALL INSTALL MAST ARM MOUNTED SIGNS. FOR THE INSTALLATION OF A STREET NAME SIGN ON A TYPE 1 POLE, THE CONTRACTOR SHALL FURNISH AND INSTALL A POLE EXTENSION AS NEEDED.
- THE CONTRACTOR SHALL FURNISH AND INSTALL, AS SHOWN ON THE PLANS, ALL TRAFFIC SIGNAL EQUIPMENT SUCH AS STANDARDS, MAST ARMS, SIGNAL HEADS, AND OTHER EQUIPMENT AS REQUIRED. ALL SUCH EQUIPMENT SHALL BE NEW. ALL VEHICLE HEAD EQUIPMENT SUPPLIED BY THE CONTRACTOR SHALL HAVE 1-1/2 INCH DIAMETER PIPE FIT MOUNTING HARDWARE, INCLUDING ALL TOP POST MOUNT HEADS. PED HEAD MODULE REPLACEMENTS SHOWN ON THE PLAN SHALL REQUIRE A COMPLETE INSTALLATION, INCLUDING NEW PED HEAD AND TERMINAL COMPARTMENT.



**SAMPLE NOT FOR CONSTRUCTION**

**TITLE OF PROJECT**

REVIEWED \_\_\_\_\_ 20 ACCEPTED \_\_\_\_\_ 20

Transportation Engineer Senior Transportation Engineer

**AS BUILT**

Date of Installation: \_\_\_\_\_

LADOT Inspector: \_\_\_\_\_

Condition As Of: \_\_\_\_\_

LADOT Engineer: \_\_\_\_\_

District: WEST VALLEY

References: \_\_\_\_\_

CITY OF LOS ANGELES  
 DEPARTMENT OF TRANSPORTATION  
 SELETA J. REYNOLDS, General Manager

**PERMIT AVE. & SAMPLE BLVD.**

Drawing No. XXXX-2021 Intersection No. XXXXX Project No. BRO00000

NOTICE: IF PLAN HAS NOT BEEN IMPLEMENTED WITHIN TWO (2) YEARS OF THE ACCEPTANCE DATE, IT MUST BE RESUBMITTED TO LADOT PERMIT PLAN REVIEW SECTION FOR REVIEW AND ACCEPTANCE.

DATE	REVIEWED	DESCRIPTION
	T.E.A.	
	T.E.	
	S.T.E.	
	BY	
	TIMING	
	DISTRICT	
	ATSC	
	CAMERA	
	NO. REVISION	

Pursuant to the California Business and Professions Code, this plan is prepared by and under the responsible charge of work of, the named consulting firm and California Registered Engineers shown below.

PRIVATE CONSULTANT LOGO/ADDRESS

CITY OF LOS ANGELES BUSINESS TAX REGISTRATION NO: #####-##

PURSUANT TO THE STATE OF CALIFORNIA PROFESSIONAL ENGINEERS ACT, BUSINESS AND PROFESSIONAL CODE SECTION 6703, THE RESPONSIBLE CHARGE OF WORK FOR THE ENGINEER OF RECORD INCLUDES THE INVESTIGATION OF SITE CONDITIONS NECESSARY TO SUPPORT THE DESIGN OF PROFESSIONAL ENGINEERING RELATED WORK.



Scale: 1" = 20'  
 North/South: SAMPLE BLVD.