

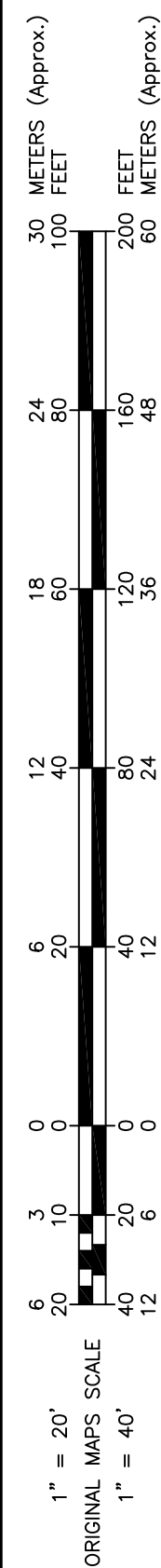
No.	TYPE	FOUND. TYPE	PED. PUSH BUT'N TYPE	PHASE	REMARKS/RELATED NOTES
1	356 CAB	F-332*			ATSC 2070 Controller in 356 Cabinet
2	26-4-100	CIDH	APS(4P)	4	INSTALL 40' M.A., F=15' & APS
3	7	F-7	APS(6P)		INSTALL APS [6]
4	CD953C	BSL			[6]
5	17-3-100	CIDH	APS(6P)		20' Mast Arm; INSTALL APS
6	CD953C	BSL	APS(6P)	8	INSTALL APS
7	26-4-100	CIDH	APS(6P)	8	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)	4	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

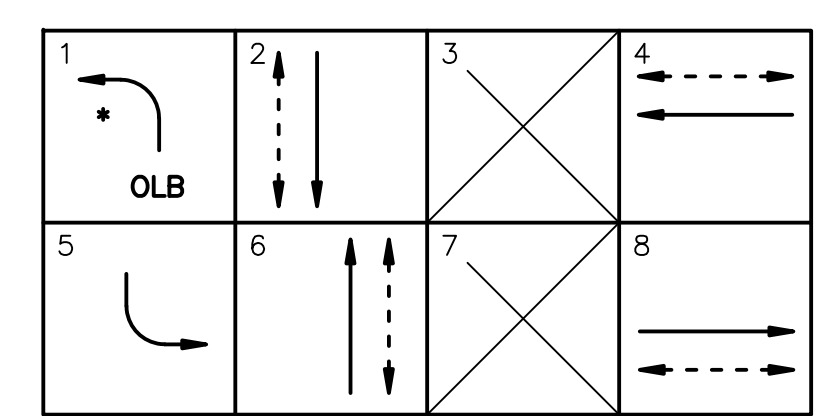
NOTES

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

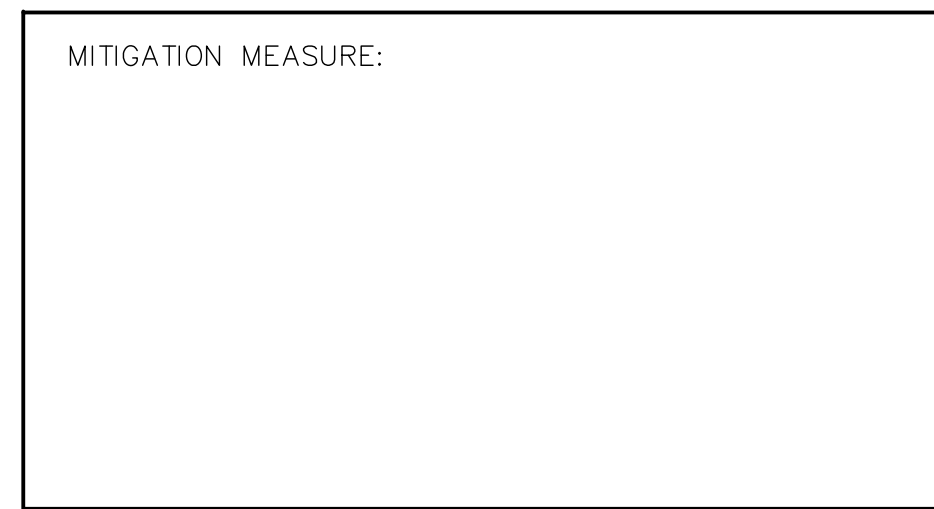
- Ø1 - TIMING ONLY
 - Ø2 - SAMPLE BLVD. SB & W/S PED. XING
 - Ø4 - PERMIT AVE. WB & N/S PED. XING
 - Ø5 - SAMPLE BLVD. SB LT
 - Ø6 - SAMPLE BLVD. NB & E/S PED. XING
 - Ø8 - PERMIT AVE. EB & S/S PED. XING
 - OLB (Ø1) - SAMPLE BLVD. NB LT
- RESEDA ATSC SYSTEM
 ATSC CABLE INTERCONNECT



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)



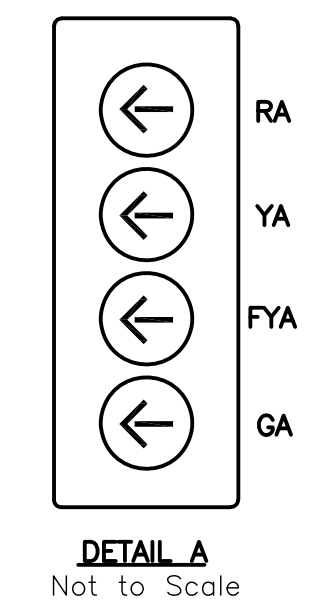
- 7 INSTALL DETECTOR LOOP(S) PER LADOT STD. DWG. NO. S-70.1.A & S-70.1.D (CASE II).
- 8 INSTALL BICYCLE DETECTOR LOOP(S) PER LADOT STD. DWG. NOS S-75.0 AND S-70.1D (CASE I).
- 9 INSTALL ACCESSIBLE PEDESTRIAN SIGNAL PER LADOT STD. DWG. NO. S-73.2.
- 10 CONTRACTOR MAY RE-USE THE EXISTING DLC IN THE PULLBOX 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.

CONDUCTOR SCHEDULE		RUN																							
SIZE No.	CABLE / WIRE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	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																								
	6 SERVICE																								
	14 PED PUSHBUTTON																								
	12 BUS DLC (1-PAIR)																								
	18 DLC (2 PAIR)																								
	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"	1"	1"	1"	2"

* CONTRACTOR SHALL ADD/INSTALL NEW CONDUCTORS/CABLES IN EXISTING CONDUIT AS DESIGNATED IN THE CONDUCTOR SCHEDULE. ALL EXISTING CONDUITS/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 (LBPW), INCLUDING THE LATEST VERSION OF THE "BROWN BOOK" ISSUED BY THE LBPW, 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.

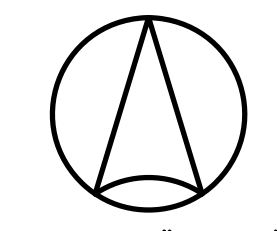


SAMPLE NOT FOR CONSTRUCTION

- 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.

- 12 CONTRACTOR SHALL CONTACT CITY-WIDE INVESTIGATION OFFICE AT (213) 928-9625 TO ARRANGE FOR FABRICATION OF LARGE STREET NAME SIGNS BY CITY. PERMITTEE SHALL PAY FOR FABRICATION OF SIGNS AND CONTRACTOR SHALL INSTALL SIGNS AS DIRECTED BY CITY-WIDE INVESTIGATION REPRESENTATIVE.
- 13 REMOVE, MARKOUT AND INSTALL ALL SIGNS, STRIPING AND PAVEMENT MARKINGS AS SHOWN HEREON. CONTRACTOR SHALL NOTIFY LADOT CITY-WIDE INVESTIGATION OFFICE AT (213) 928-9625 TEN (10) WORKING DAYS PRIOR TO START OF CONSTRUCTION, UPON COMPLETION OF FINAL MARKING THE CONTRACTOR SHALL NOTIFY CITY-WIDE INVESTIGATION FOR FINAL APPROVAL. STRIPING AND PAVEMENT MARKING SHALL BE IN HOT APPLIED ALKYD THERMOPLASTIC IN ACCORDANCE WITH LADOT SPECIFICATION NOS. 51-005-10 AND 76-012-16. THE FIELD CONDITIONS SHOWN AS EXISTING CONDITION ON THE PLAN MAY BE CHANGED BETWEEN THE PLAN APPROVAL DATE AND IMPLEMENTATION DATE. INSTALLATION OR REMOVAL OF STRIPING, PAVEMENT MARKINGS, SIGNS OR OTHER TRAFFIC CONTROL DEVICES BEYOND THAT INDICATED ON THE PLAN MAY BE REQUIRED IN ORDER TO FACILITATE CHANGES IN FIELD CONDITIONS AND/OR TO BE IN COMPLIANCE WITH LADOT STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL INSTALL SIGNS AS DIRECTED BY CITY-WIDE INVESTIGATIONS REPRESENTATIVE.
- 14 INSTALL CONTINENTAL CROSSWALK(S) PER LADOT STD. DWG. NO. S-481.1.
- 15 RENUMBER SYSTEM LOOP(S) AS SHOWN.
- 16 INSTALL STANDARD 5' BEHIND CURB FACE.
- 17 CONTRACTOR SHALL FURNISH TRANSIT PRIORITY SENSOR UNIT AND COMMUNICATION CHANNEL CARD FOR 356 CABINET.
- 18 ALL NEW VEHICLE AND PEDESTRIAN TRAFFIC SIGNALS SHALL BE LED MODULE, PER LADOT SPECIFICATION 92-088-07 (LATEST EDITION).
- 19 SEE STREET LIGHTING SHEET FOR WORK ON STREET LIGHTING FACILITIES.
- 20 CONTRACTOR SHALL OBSERVE ALL INDUSTRY SAFETY STANDARDS, PARTICULARLY SECTION 2946 AND 2948 OF TITLE 8 OF CAL-OSHA REGARDING WORK NEAR OVERHEAD LINES.
- 21 CONTRACTOR SHALL CONTACT THE TRAFFIC CONSULTANT FOR ANY PROBLEMS ENCOUNTERED DURING CONSTRUCTION. THE TRAFFIC CONSULTANT SHALL CONTACT THE LADOT PERMIT PLAN REVIEW SECTION FOR RESOLUTION OF SIGNAL RELATED CONSTRUCTION PROBLEMS.

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.

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: #####-##

TITLE OF PROJECT

AS BUILT

Date of Installation: _____
 LADOT Inspector: _____
 Condition As Of: _____
 LADOT Engineer: _____
 District: WEST VALLEY

References: FIELD CHECK INDICATE ALL REFERENCE MATERIAL

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

PERMIT AVE. & SAMPLE BLVD.

Drawing No. **XXXX-2021** Intersection No. **XXXX** 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.		