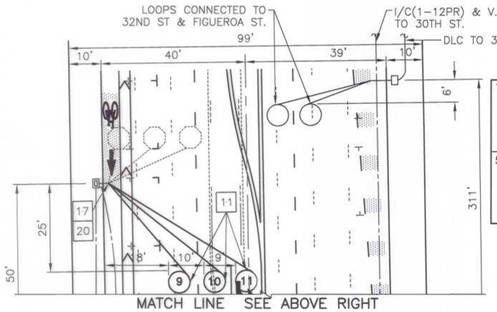
SIGNAL STANDARD SCHEDULE

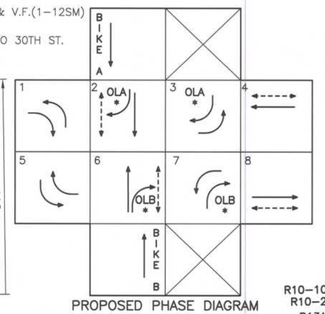
No.	TYPE	FOUND. TYPE	PED. PUSH BUT'N TYPE	PED. PUSH BUT'N PHASE	REMARKS
(X) (1)	332 CAB.	F-332*	–	–	ATSAC 2070 CONTROLLER IN 332 CABINET
* (X) (2)	40' DAVIT	BSL	APS (8P)	8	INSTALL APS.
** (X) (3)	29-5-100	CIDH	APS (8P)	8	CUSTOM 45' M.A., INSTALL APS; F1=10', F2=11', F3=10'.
* (X) (4)	CD953	BSL	APS (2P)	2	INSTALL APS.
** (X) (5)	29-5-100	CIDH	APS (2P)	2	CUSTOM 45' M.A.; INSTALL APS; F1=16', F2=10'.
* (X) (6)	40' DAVIT	BSL	APS (4P)	4	INSTALL APS.
* (X) (7)	26-4-100	CIDH	APS (4P)	4	40' M.A., INSTALL APS; F1=10', F2=10', F3=10'.
* (X) (8)	CD953	BSL	APS (6P)	6	INSTALL APS.
* (X) (9)	C-2	CIDH	APS (6P)	6	CUSTOM 40' M.A., INSTALL APS; F1=20'
( ) ( )					
( ) ( )					
( ) ( )					

* Existing
** Per LADOT Std. Plan No. 52.1.6

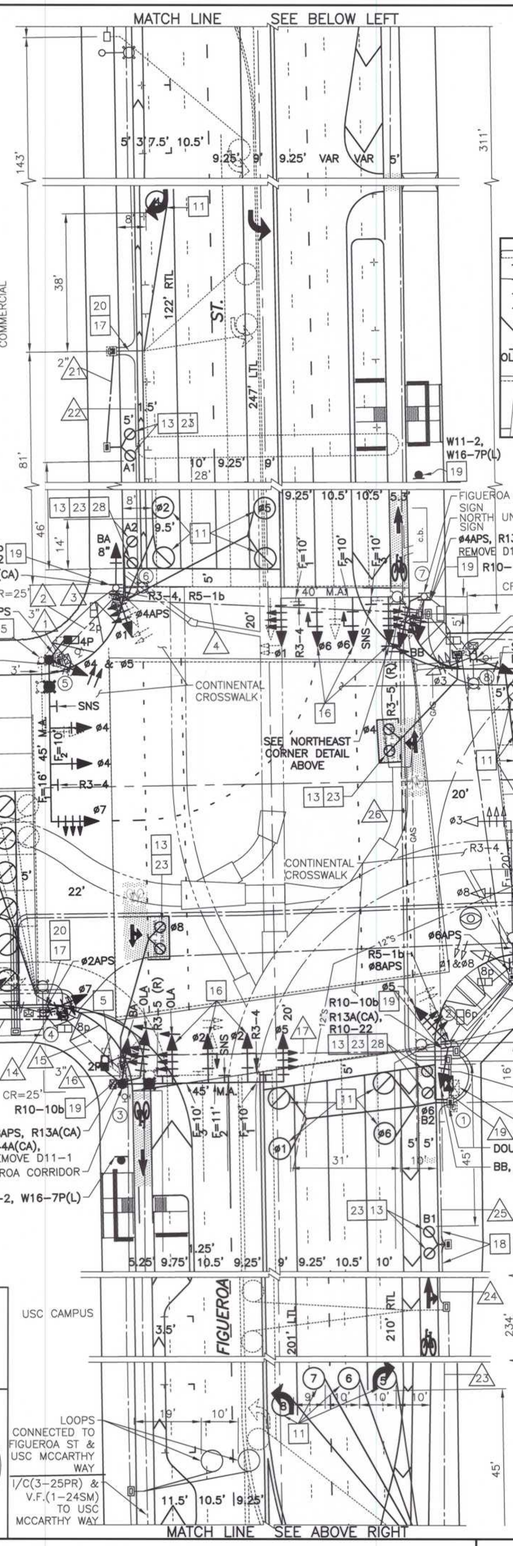
SIGNAL
R10-10b
Not to Scale

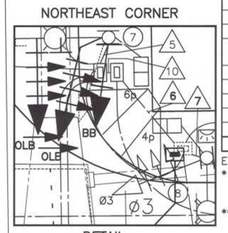


SEE SHEET 1 FOR "NOTICE TO CONTRACTOR"



PROPOSED PHASE DIAGRAM
(*FLASHING YELLOW ARROW 4-SECTION HEAD)





NORTHEAST CORNER
DETAIL
Not to Scale

CONDUCTOR SCHEDULE

SIZE No.	CABLE/WIRE	RUN 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
M	5 CONDUCTOR CABLE 5 X #14	4		1		5												5																		
U	9 CONDUCTOR CABLE 8 X #14 & 1 X #10(COM)	1				2		1										2																		
L	13 CONDUCTOR CABLE 12 X #14 & 1 X #10(COM)																																			
T	28 CONDUCTOR CABLE 27 X #14 & 1 X #10(COM)					1												1		1	1															
I																																				
6	SERVICE																																			
14	PED PUSH BUTTON	2		2		2		2			2		2	2		2																				
18	DLC (2 PAIR)				4		2		1	1	2		1				1		2	3	7			1	1				1	1	6	6				
18	DLC (3 PAIR)												1							1	1															
18	DLC (4 PAIR)																2		2	2	3	1			1	1	1	1								
**	ACCESSIBLE PED SIGNAL(APS) 5 CONDUCTOR CABLE 5X#14	2	2	2		2	2	2			2	2	2	2	2	2																				
18	DLC (EXISTING)																																			
22	DLC (EXISTING)																																			
22	I/C (12 PAIR)																																			
	VIDEO FIBER (–mm)																																			
	CCTV CABLE																																			
	CONDUIT SIZE	3"	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3"	*	*	*	*	2"	*	*	*	*	2"	*	*	*						

E EXISTING
* CONTRACTOR SHALL ADD/INSTALL NEW CONDUCTORS/CABLES IN EXISTING CONDUIT AS DESIGNATED IN THE CONDUCTOR SCHEDULE. ALL EXISTING CONDUCTORS/CABLES SHALL BE PROTECTED AND MAINTAINED IN EXISTING CONDUIT.
** CONDUCTOR CABLE 5X#14

ESTIMATED SALVAGE MATERIAL TO BE RETURNED TO LADOT

UNITS	MATERIAL
ALL	REMOVED LED HEADS
1	2070 CONTROLLER

NOTES:

1. SEMI-ACTUATED OPERATION WITH ATSAC CAMERA (ATSAC 2070 CONTROLLER IN 332 CABINET):

   Ø1 – FIGUEROA ST. NB LT & JEFFERSON BLVD. EB RT.
   Ø2 – FIGUEROA ST. SB & W/S PED. XING.
   Ø3 – JEFFERSON BLVD. EB LT.
   Ø4 – JEFFERSON BLVD. WB & N/S PED. XING.
   Ø5 – FIGUEROA ST. SB LT & JEFFERSON BLVD. WB RT.
   Ø6 – FIGUEROA ST. NB & E/S PED. XING.
   Ø7 – JEFFERSON BLVD. WB LT.
   Ø8 – JEFFERSON BLVD. EB & S/S PED. XING
   OLA (Ø2 & Ø3) – FIGUEROA ST. SB RT
   OLB (Ø6 & Ø7) – FIGUEROA ST. NB RT
   BIKE A – FIGUEROA ST. SB BIKE
   BIKE B – FIGUEROA ST. NB BIKE

   EXPOSITION PARK ATSAC SYSTEM
   DIRECT WIRE (CABLE) INTERCONNECT

2. INSTALL ATSAC 2070 CONTROLLER IN 332 CABINET. THE CONTRACTOR SHALL PROVIDE A COMPLETE FUNCTIONING CONTROLLER ASSEMBLY AND CABINET CONFORMING TO THE LATEST LADOT SPECIFICATION FOR 2070 CONTROLLER AND 332 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 THIRTY (30) DAYS PRIOR TO INSTALLATION. CONTRACTOR TO PICK UP AND INSTALL CONTROLLER ASSEMBLY ON EXISTING F-332 FOUNDATION.
3. REMOVE EXISTING CONTROLLER & CABINET; RETAIN FOUNDATION.
4. SEE STREET LIGHTING SHEET FOR WORK ON STREET LIGHTING FACILITIES.
5. REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, STANDARD PULLBOX, FOUNDATION AND ABANDON EXISTING CONDUIT(S). ANY DAMAGE TO EXISTING INFRASTRUCTURE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE UNLESS THE PROJECT ENGINEER DETERMINES OTHERWISE.
6. ALL NEW VEHICLE AND COUNTDOWN PEDESTRIAN TRAFFIC SIGNAL HEADS SHALL BE LED MODULES, PER LADOT SPECIFICATION 92-088-07 (LATEST EDITION).
7. INSTALL STREET NAME SIGN PER LADOT STD. DWG. NO. S-457.0 & S-486.0.
8. INSTALL ACCESSIBLE PEDESTRIAN SIGNAL (APS) AS PER LADOT STD. DWG. NO. S-73.2.
9. ABANDON AND DISCONNECT LOOPS IN PULLBOX, AS SHOWN.
10. INSTALL/REMOVE SIGNS, STRIPING & PAVEMENT MARKINGS PER LADOT GEOMETRIC DESIGN DWG. NO. A-6494.
11. INSTALL LOOPS PER LADOT STD. DWG. NO. S-70.1.A & S-70.1.D CASE II, AND S-75.0.
12. RENUMBER SYSTEM LOOPS AS SHOWN.
13. INSTALL BIKE LOOPS (3' DIAMETER) IN CENTER OF LANE PER S-70.1D CASE I, AND S-75.0.
14. PROTECT EXISTING LOOPS.
15. INSTALL BIKE SIGNAL HEAD(S) AS SHOWN. SEE DETAILS "A" & "B" ON SHEET 1 FOR TYPICAL FAR SIDE BIKE SIGNAL HEAD(S) INSTALLATION.

NOTES CONTINUATION:

16. USE STRAP-ON TENON AB-116 PER LADOT STD. DWG. NO. S-63.1.4, TO MOUNT SIGNAL HEAD ON MAST ARM. ADJUST THE MOUNTING BRACKET TO MAINTAIN (17 FEET) CLEARANCE OVER ROADWAY.
17. CONTRACTOR SHALL RE-USE EXISTING STUB-OUT. IF STUB-OUT IS NOT IN PLACE, CONTRACTOR SHALL INSTALL NEW STUB-OUT PER LADOT STD. DWG. S-70.1A.
18. JOIN AND EXTEND CONDUIT(S) INTO PULLBOX.
19. INSTALL SIGN(S), OR SIGN(S) AND POST(S) AS SHOWN.
20. CONTRACTOR MAY RE-USE THE EXISTING DLC IN THE PULL BOX AS DETERMINED BY THE TRAFFIC SIGNAL INSPECTOR. SHOULD THE CONTRACTOR DAMAGE THE EXISTING CABLE, NEW DLC CABLE SHALL BE INSTALLED FROM THE PULL BOX TO THE CONTROLLER AT THE CONTRACTOR'S EXPENSE.
21. TRAFFIC CONSULTANT SHALL BE RESPONSIBLE FOR IDENTIFYING AND RESOLVING SUBSTRUCTURE CONFLICT WITH PROPOSED FOUNDATIONS DURING THE DESIGN PHASE AND INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT.
22. RELOCATE ALL EXISTING COMMUNITY SIGNS, SMALL SNS AND/OR INFORMATION SIGN(S) TO THE NEW STANDARD.
23. CONNECT BIKE LOOPS TO A SEPARATE 2-PAIR DLC.
24. CONNECT LOOP(S) TO A SEPARATE 4-PAIR DLC.
25. CONTRACTOR SHALL CONTACT TRAFFIC CONSULTANT FOR ANY PROBLEMS ENCOUNTERED DURING CONSTRUCTION. THE TRAFFIC SIGNAL CONSULTANT SHALL CONTACT LADOT SIGNAL SECTION, AT (213) 928-9640, FOR RESOLUTION OF SIGNAL RELATED CONSTRUCTION PROBLEMS.
26. CONTRACTOR TO PROVIDE A TEMPORARY TRAFFIC SIGNAL SYSTEM AT THE INTERSECTION DURING SIGNAL CONSTRUCTION. CONTRACTOR TO PROVIDE A PLAN FOR TEMPORARY SIGNALIZATION TO THE LADOT TEMPORARY TRAFFIC MANAGEMENT SECTION (213) 972-5968 AND TRAFFIC SIGNAL INSPECTOR (213) 485-1071, AND OBTAIN APPROVAL OF THE PLAN A MINIMUM OF FIVE DAYS PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL TRAFFIC SIGNAL EQUIPMENT, AND LADOT WILL OPERATE AND TIME THE SIGNALS.
27. INSTALL FIBER OPTIC PATCH PANEL (RACK MOUNT TYPE) INSIDE CONTROLLER CABINET & TERMINATE ALL FIBERS INSIDE PATCH PANEL USING "ST" TYPE OUTPUT CONNECTOR. INSTALL (5') QTY. TWO (2) "ST-ST" SM FIBER JUMPER FROM PATCH PANEL TO OPTICAL VIDEO TX/RX MODULE. (1 AT CAMERA LOCATION, 1 AT COMMUNICATION HUB). COMMUNICATION HUB FOR THIS LOCATION IS AT (FIRE STATION 15).
28. INSTALL BIKE DETECTOR PAVEMENT MARKING PER DETAIL A-A AS SHOWN ON SHEET 1.

THIS PLAN SUPERSEDES PLAN SIGNED ON SEPTEMBER 15, 2015

Plans Prepared Under Supervision Of
Civil Transportation Engineer

Jonathan Levy — Date 9-03-2015
SIGNATURE — R.C.E. No. C39712

REGISTERED PROFESSIONAL ENGINEER JONATHAN L. LEVY No. TR 1222 Exp. 09-30-15 TRAFFIC STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JONATHAN L. LEVY No. C 39712 Exp. 12-31-15 CIVIL STATE OF CALIFORNIA

MELÉNDREZ
Troller Mayer Associates, Inc.
Landscape Architecture Planning Urban Design

IBI GROUP

MY FIGUEROA PROJECT
SIGNAL MODIFICATION PLAN

SUBMITTED July 21 2016 — Transportation Engineer
APPROVED JULY 21 2016 — Senior Transportation Engineer

REGISTERED PROFESSIONAL ENGINEER MANOOCHEHR ABHARI No. 69854 CIVIL STATE OF CALIFORNIA

AS BUILT
Date of Installation:
LADOT Inspector:
Condition As Of:
LADOT Engineer:
District CENTRAL
Thomas Guide 674-C1
References
FIELD CHECK
STRIPING PLAN NO. 6494.
SIGNAL PLAN NO. 10100-R1
CIVIL PLAN DWG. NO. 16
NAVIGATE LA

CITY OF LOS ANGELES
DEPARTMENT OF TRANSPORTATION
SELETA J. REYNOLDS, GENERAL MANAGER

TITLE
FIGUEROA ST.
&
JEFFERSON BLVD.

File Name	Intersection No.	Project No.
10100-Z1.DWG	10100	TGF13009

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

Scale: 1" = 20'
North/South: Figueroa St.

NO.	REVISION DESCRIPTION	DIV/DIST. ENGR.	DATE	SUPERVISOR / DESIGNER / SR. DRAFTING / DRAFTING / FIELD / BASE	BY	DATE	TIMING / DISTRICT / GEOMETRIC / ATSAC / METRO RAIL	BY	DATE
					CL	7-09-16			
					–	–			
					–	–			
					HM	7-18-16			
					–	–			
					–	–			

SCALES — HORIZ. 1"= — VERT. 1"=
SHEET 85 OF 135
INDEX NUMBER

(LADOT Revised 6/04)
(Drafting Std. 11/04)