

TRAFFIC SIGNAL DESIGN NOTES

* PLACE NOTES IN SAME ORDER ON SIGNAL PLANS

- A1. SEMI-ACTUATED OPERATION (WITH ATSAC CAMERA), (WITH EMERGENCY VEHICLE PREEMPTION) (WITH BATTERY BACKUP SYSTEM), AND/OR (WITH TRANSIT PRIORITY) (ATSAC 2070 CONTROLLER IN 35_/33_ CABINET)

- Ø2-
- Ø4-
- Ø6-
- Ø8-

XXXXXXXX ATSAC SYSTEM
ATSAC CABLE INTERCONNECT

REMOVAL OF EQUIPMENT

- B1. REMOVE STANDARD, TRAFFIC SIGNAL EQUIPMENT, FOUNDATION AND PULL BOX. ABANDON CONDUIT(S).
- B2. REMOVE STANDARD AND TRAFFIC SIGNAL EQUIPMENT; RETAIN FOUNDATION.
- B3. REMOVE MAST ARM VEHICLE HEAD AND MAST ARM.
- B4. REMOVE PULL BOX.
- B5. REMOVE VEHICLE/PEDESTRIAN HEAD.
- B6. REMOVE EXISTING 2070 CONTROLLER AND 3__ CABINET; RETAIN FOUNDATION.

CONDUIT / PULL BOX WORK

- C1. INTERCEPT EXISTING CONDUIT. JOIN AND EXTEND INTO PULL BOX.
- C2. INSTALL NO. 6 (T) TRAFFIC PULL BOX WITH STEEL COVER, PER LADOT STD. DWG. NO. S-78.5.2.
- C3. INSTALL PULL BOX WITH SPECIAL COVER PER LADOT STD. DWG. NO. S-78.8 TO MATCH SURROUNDING TERRAZO SIDEWALK.
- C4. INSTALL NON-METALLIC CONDUIT EXPANSION FITTING PER CALTRANS STD. PLAN NO. ES-9B.
- C5. INSTALL CONDUIT IN BRIDGE SIDEWALK/BARRIER. SEE STRUCTURAL BRIDGE PLANS FOR DETAILS.

LOOP WORK

- D1. PROTECT EXISTING LOOP(S)
- D2. INSTALL DETECTOR LOOP(S) PER LADOT STD. DWG. NO. S-70.1.A & S-70.1.D (CASE II).
- D3. INSTALL VEHICLE DETECTOR LOOP(S) PER LADOT STD. DWG. NO. S-70.1.A.
- D4. INSTALL BICYCLE DETECTOR LOOP(S) PER LADOT STD. DWG. NOS. S-75.0 AND S-70.1D (CASE I)
- D5. INSTALL SEPARATE DLC PAIR FOR ---LANE LOOP(S).
- D6. INSTALL TRANSIT PRIORITY LOOP(S) PER LADOT STD. DWG. NO. S-70.1F.
- D7. RENUMBER SYSTEM LOOPS AS SHOWN.
- D8. 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.
- D9. 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.
- D10. INSTALL PREFORMED VEHICLE DETECTOR LOOP(S) PER LADOT STD. DWG. NO. S-70.1E.

SERVICE WORK

NEW SERVICE FROM UNDERGROUND VAULT

- E1. INSTALL 2" CONDUIT FROM SERVICE POINT, TO PULL BOX. INSTALL 3-#6 SERVICE WIRES FROM PULL BOX TO CONTROLLER AND A 60-AMP FUSE IN AN IN-LINE WATERPROOF FUSE HOLDER IN SERVICE PULL BOX. INSTALLATION SHALL BE PER LADOT STD. DWG. NO. S-79.9. WORK ON ANY ELECTRICAL SERVICE EQUIPMENT TO BE DONE IN CONJUNCTION WITH DEPARTMENT OF WATER AND POWER (DWP) PERSONNEL. CONTACT DWP AT (213) 367-9966 SEVEN(7) WORKING DAYS PRIOR TO BEGINNING WORK ON THE SERVICE LINE.

NEW SERVICE FROM POWER POLE

- E2. INSTALL TWO-INCH (2") RISER AT THE _____O'CLOCK POSITION OF SERVICE POLE NO.-----M. INSTALL 3-#6 SERVICE WIRES FROM PULL BOX TO CONTROLLER AND A 60-AMP FUSE IN AN IN-LINE WATERPROOF FUSE HOLDER IN THE SERVICE PULL BOX PER LADOT STD. DWG. NO. S-79.8. WORK ON ANY ELECTRICAL SERVICE EQUIPMENT TO BE DONE IN CONJUNCTION WITH DEPARTMENT OF WATER AND POWER (DWP) PERSONNEL. CONTACT DWP AT (213) 367-9966, SEVEN (7) WORKING DAYS PRIOR TO BEGINNING WORK ON THE SERVICE LINE.

REPLACE WIRES AND FUSE ONLY

- E3. INSTALL 3-#6 SERVICE WIRES FROM PULL BOX TO CONTROLLER AND A 60-AMP FUSE IN AN IN-LINE WATERPROOF FUSE HOLDER IN THE SERVICE PULL BOX PER LADOT STD. DWG. NO. S-79.9. WORK ON ANY ELECTRICAL SERVICE EQUIPMENT TO BE DONE IN CONJUNCTION WITH DEPARTMENT OF WATER AND POWER (DWP) PERSONNEL. CONTACT DWP AT (213) 367-9966 SEVEN (7) WORKING DAYS PRIOR TO BEGINNING WORK ON THE SERVICE LINE.

CONVERT TO COMBINATION SERVICE

- E4. USE EXISTING STREET LIGHTING SERVICE ON POLE NO. _____. CONVERT STREET LIGHTING SERVICE TO A COMBINATION "STREET LIGHT/TRAFFIC SIGNAL" SERVICE PER LADOT STANDARD DWG. S-79.8 & S-79.9. REPLACE THE EXISTING STREET LIGHTING SERVICE PULLBOX WITH A TYPE PB-3 PULLBOX, WITH "ST. LTG./TRF. SIG." LID. INSTALL A 60-AMP FUSE IN AN IN-LINE WATERPROOF FUSE HOLDER IN THE SERVICE PULLBOX AND RUN THREE (3) #6 SERVICE WIRES FROM THE SERVICE PULL BOX TO CONTROLLER. WORK ON ANY ELECTRICAL SERVICE EQUIPMENT TO BE DONE ONLY IN CONJUNCTION WITH DEPARTMENT OF WATER AND POWER DWP AT (213) 367-9966 SEVEN (7) WORKING DAYS PRIOR TO INSTALLATION OF SERVICE LINE.

CONTROLLER WORK

NEW CONTROLLER NOTE

- F1. INSTALL ATSAC 2070 CONTROLLER IN 356 CABINET. THE CONTRACTOR SHALL PROVIDE A COMPLETE FUNCTIONING CONTROLLER ASSEMBLY WITH ADAPTER BASE 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 CABINET. CONTRACTOR TO DELIVER COMPLETELY ASSEMBLED CABINET FOR TESTING TO THE DEPARTMENT OF TRANSPORTATION GENERAL SHOP PIPER TECHNICAL CENTER, 555 RAMIREZ STREET SIXTY (60) WORKING DAYS PRIOR TO INSTALLATION. CONTRACTOR TO PICK UP AND INSTALL CABINET ASSEMBLY WITH ADAPTER BASE ON F-332 FOUNDATION.

RELOCATED CONTROLLER NOTE

- F2. RELOCATE 2070 CONTROLLER AND 3__ CABINET AS SHOWN. RELOCATED 3__ CABINET, CONTROLLER, AND AUXILIARY EQUIPMENT SHALL BE UNDAMAGED AT THE CONCLUSION OF THE RELOCATION AS DETERMINED BY THE TRAFFIC SIGNAL INSPECTOR. DAMAGED EQUIPMENT SHALL BE REPLACED WITH NEW EQUIPMENT AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO INSTALL CABINET ASSEMBLY ON F-332 FOUNDATION.

LADOT SUPPLIED CONTROLLER NOTE

- F3. INSTALL LADOT SUPPLIED 2070 CONTROLLER AND 3__ CABINET. CONTRACTOR TO COORDINATE WITH LADOT SIGNAL SHOP AT (213) 473-8468 FOR PICKUP OF SIGNAL CONTROLLER AND CABINET. CONTRACTOR TO INSTALL CABINET ASSEMBLY ON F-332 FOUNDATION.

TRANSIT PRIORITY SENSOR NOTE

- F4. CONTRACTOR SHALL FURNISH TRANSIT PRIORITY SENSOR UNIT AND COMMUNICATION CHANNEL CARD FOR 3__ CABINET

BACKUP BATTERY NOTE (USED FOR CALTRANS SHARED LOCATIONS AND RR SIGNALS)

- F5. FURNISH AND INSTALL BATTERY BACKUP SYSTEM (BBS) IN 332 CABINET PER LADOT SPECIFICATION 92-066-03 (LATEST EDITION)

MODIFICATION OF CONTROLLER

FIELD MODIFICATION NOTE (ADDING A NEW PHASE: ON 2070 CONTROLLER ONLY)

- G1. FIELD MODIFICATION OF CONTROLLER REQUIRED, NOTIFY THE LADOT _____ YARD TRAFFIC SIGNAL INSPECTOR AT (213) _____ THIRTY (30) WORKING DAYS PRIOR TO START OF CONSTRUCTION TO OBTAIN NEW CONFLICT MONITOR AND CONTROLLER TIMING PACKAGE. LADOT WILL MAKE ALL CONTROLLER MODIFICATIONS AND INSTALL THE NEW CONFLICT MONITOR IN THE EXISTING CONTROLLER CABINET.

FIELD MODIFICATION NOTE (EXTENDING TIME DUE TO RE-ALIGNMENT, ETC.)

- G2. THE CONTRACTOR SHALL CONTACT THE LADOT _____ YARD TRAFFIC SIGNAL INSPECTOR AT (213) _____ FIFTEEN (15) WORKING DAYS PRIOR TO START OF CONSTRUCTION FOR FIELD MODIFICATION OF CONTROLLER. TIMING CHANGES SHALL BE IMPLEMENTED PRIOR TO START OF CONSTRUCTION.

TEMPORARY CONSTRUCTION WORK

- H1. THE CONTRACTOR SHALL ENSURE THAT ALL TRAFFIC CONTROL EQUIPMENT IS VISIBLE. PROVIDE ACCESS TO LADOT MAINTENANCE AT ALL TIMES.
- H2. ATTACH TYPE 7 POST TO CONCRETE BLOCK FOR PEDESTRIAN PUSH BUTTON INSTALLATION.
- H3. **TEMPORARY SIGNAL (CLEARANCE IN FEET)**
TEMPORARY SIGNAL PLATFORM SHALL BE PLACED AS SHOWN WITH A MINIMUM 2' CLEARANCE FROM THE FACE OF THE PLATFORM TO THE EDGE OF THE TRAVELED ROADWAY (15' CLEARANCE IF NOT PROTECTED BY CRASH CUSHION OR BEHIND K-RAIL OR CURB). OVERHEAD CABLES SHALL MAINTAIN A 20' VERTICAL CLEARANCE ABOVE THE TRAVELED ROADWAY AND 12' CLEARANCE OVER THE SIDEWALK. COIL AN ADDITIONAL 25' LENGTH OF OVERHEAD CABLE AT THE TEMPORARY PLATFORM SIGNAL TO FACILITATE CHANGE IN POSITION. ALTERNATE LOCATIONS OF THE TEMPORARY SIGNAL EQUIPMENT, BASED ON CONSTRUCTION CONDITION, REQUIRES APPROVAL OF THE LADOT TRAFFIC SIGNAL INSPECTOR.
- H4. **TEMPORARY SIGNAL (RESTORATION ON SIGNAL)**
AT THE CONCLUSION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE TRAFFIC SIGNAL TO SIGNAL PLAN _____-20__
- H5. COVER PEDESTRIAN PUSH BUTTON AND DISCONNECT AS DIRECTED BY TRAFFIC SIGNAL INSPECTOR.
- H6. UNCOVER PEDESTRIAN PUSH BUTTON AND RECONNECT AS DIRECTED BY TRAFFIC SIGNAL INSPECTOR.
- H7. COVER PEDESTRIAN HEAD/VEHICLE HEAD/GREEN & YELLOW UP ARROW WITH DETACHABLE HEAD COVER (PER LADOT SPEC.NO. 92-086-03) AND DE-ENERGIZE AS DIRECTED BY TRAFFIC SIGNAL INSPECTOR.
- H8. UNCOVER PEDESTRIAN HEAD/VEHICLE HEAD/GREEN & YELLOW UP ARROW AND ENERGIZE AS DIRECTED BY TRAFFIC SIGNAL INSPECTOR.
- H9. DISCONNECT DETECTOR WIRE(S) IN PULL BOX/CONTROLLER.
- H10. STRAP 2" CONDUIT TO EXISTING POLE FOR ROUTING OF TEMPORARY CABLES/WIRES.
- H11. CONTRACTOR TO INSTALL 8'-WIDE TEMPORARY A.C. RAMP WITH 3" PVC DRAIN PIPE TO CONFORM TO ADA REQUIREMENTS.
- H12. CONTRACTOR TO MAINTAIN TRAFFIC SIGNAL EQUIPMENT AND LADOT TO OPERATE AND TIME INTERSECTION. FOR TRAFFIC SIGNAL EMERGENCY, CALL LADOT EMERGENCY RADIO ROOM AT (818) 752-5112.

THIS WORKSITE TRAFFIC CONTROL PLAN IS NOT A PERMIT

- H13. DEPARTMENT OF TRANSPORTATION ACCEPTANCE OF THIS PLAN DOES NOT CONSTITUTE CITY APPROVAL OF THE STREET, LANE AND/OR SIDEWALK CLOSURE(S) DEPICTED ON THIS PLAN. THE CONTRACTOR SHALL OBTAIN THE APPROPRIATE PERMIT FROM EITHER THE BUREAU OF STREET SERVICES OR BUREAU OF ENGINEERING PRIOR TO THE IMPLEMENTATION OF THIS PLAN.

STRIPING-SIGNING/PARKING METERS WORK

- I1A. REMOVE, MARKOUT AND INSTALL ALL SIGNS, STRIPING AND PAVEMENT MARKINGS PER LADOT GEOMETRIC PLAN NO. A-XXXX AND THIS SIGNAL PLAN.
- I1B. REMOVE, MARKOUT AND INSTALL ALL SIGNS, STRIPING AND PAVEMENT MARKINGS PER LADOT WORKSITE TRAFFIC CONTROL PLAN NO. D-XXXX AND THIS SIGNAL PLAN.
- I2. 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 MARKOUT, 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 THIS 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 SIGN AS DIRECTED BY CITY-WIDE INVESTIGATIONS REPRESENTATIVE.
- I3. CONTRACTOR SHALL CONTACT THE LADOT PARKING METERS DIVISION AT (213) 473-8270, TEN (10) WORKING DAYS PRIOR TO START OF AND END OF CONSTRUCTION TO ARRANGE AND COORDINATE FOR ANY PARKING METER OR PAY STATION RELATED WORK. THIS WORK INCLUDES, BUT IS NOT LIMITED TO, THE TEMPORARY OR PERMANENT REMOVAL, INSTALLATION, OR RELOCATION OF ANY PARKING METER, PAY STATION, METER POSTS, PARKING SENSORS, PARKING SIGNS, SIGN POSTS, PARKING SPACE NUMBERS, CURB PAINTING, PAVEMENT MARKINGS, AND ANY OTHER RELATED ITEMS DEEMED NECESSARY BY LADOT. CONTRACTOR SHALL PAY THE LADOT PARKING METERS DIVISION FOR INSTALLATION AND REMOVAL COSTS UPON RECEIVING AN INVOICE FOR WORK AS DESCRIBED ABOVE. OCCASIONALLY, PAYMENT MAY BE DEDUCTED FROM THE DEVELOPER'S OR CONTRACTOR'S B-PERMIT DEPOSIT FOR THE PROJECT. FAILURE TO NOTIFY LADOT WILL CAUSE THE CONTRACTOR TO BE LIABLE FOR ANY MISSING OR DAMAGED PARKING METER, PAY STATION, SENSORS, POSTS, SIGNS, ETC., THAT LADOT RECORDS INDICATE ARE PRESENT. UPON APPROVAL BY THE LADOT PARKING METERS DIVISION, CONTRACTOR MAY REMOVE AND DISPOSE OF AFFECTED PARKING METER POSTS IN CONJUNCTION WITH THEIR SIDEWALK DEMOLITION WORK, BUT ONLY AFTER LADOT HAS REMOVED THE PARKING METER HEADS AND ALL METER POST MOUNTED SIGNS, WHERE APPLICABLE.

PERMANENT REMOVAL OF EACH ON-STREET METERED PARKING SPACE WILL REQUIRE PAYMENT TO LADOT'S PARKING METER DIVISION FOR THE CALCULATED ANNUAL REVENUE AMOUNT PROJECTED OVER A TEN-YEAR PERIOD. IN ADDITION, TEMPORARY REMOVAL OF ANY PARKING METERS LASTING OVER 30 DAYS WILL ALSO REQUIRE PAYMENT OF A CALCULATED REVENUE FOR THE LENGTH OF TIME THE METERS ARE OUT OF SERVICE BEYOND THE INITIAL 30 DAYS. FULL PAYMENT IS REQUIRED AS A CONDITION OF THE PERMIT AND IS REQUIRED OF THE APPLICANT BEFORE LADOT WILL PROVIDE ITS FINAL APPROVAL.
- I4. INSTALL CONTINENTAL CROSSWALK(S) PER LADOT STD. DWG. NO. S-481.1. REMOVE CONFLICTING STRIPING.
- I5. STRIPING, RED CURB, AND SIGNS ON PRIVATE RIGHT OF WAY IS THE RESPONSIBILITY OF THE PRIVATE OWNER.

DATE	BY	TIMING	DISTRICT	GEOMETRIC	ATSAC	METRO RAIL
DATE	BY	SUPERVISOR	DESIGNER	SR. DRAFTING	DRAFTING	FIELD
DATE	BY	ENGR.	DIV./DIST.	DESCRIPTION	NO.	

SHEET 1 OF 2
REV. 4
APR - '22

TRAFFIC SIGNAL DESIGN NOTES

* PLACE NOTES IN SAME ORDER ON SIGNAL PLANS

INTERCONNECT/VIDEO FIBER WORK

SPECIAL WORK

GENERAL NOTES (PLACE THESE NOTES LAST)

- INTERCONNECT RE-ROUTING**
- J1 DISCONNECT THE ____-PAIR INTERCONNECT IN THE EXISTING CONTROLLER CABINET/COMMUNICATION CABINET (SEE LADOT SPECIAL PROVISIONS, SECTION 5 TITLED "NOTIFICATION", FOR INFORMATION REGARDING WORK AFFECTING MAJOR ATSC COMMUNICATION FACILITIES). CONTRACTOR MAY REROUTE EXISTING CABLE TO THE PROPOSED CONDUIT ON THIS PLAN. IN THE EVENT THAT THE SLACK IN THE CABLE IS NOT SUFFICIENT TO ACCOMPLISH THE PROPOSED INSTALLATION AS SHOWN ON THIS PLAN, THE CONTRACTOR SHALL BE REQUIRED TO INSTALL A NEW ____-PAIR INTERCONNECT FROM THE CONTROLLER CABINET/COMMUNICATION CABINET AT THIS INTERSECTION TO THE CONTROLLER AT _____ ST. (APPROX. _____).
- INTERCONNECT RE-ROUTING TO CONTROLLER AT NEW SIGNAL**
- J2 DISCONNECT THE ____-PAIR INTERCONNECT IN THE EXISTING CONTROLLER CABINET AT _____, REROUTE EXISTING CABLE TO THE PROPOSED CONDUIT ON THIS PLAN AND CONNECT TO THE CONTROLLER AT THIS INTERSECTION. (SEE LADOT SPECIAL PROVISIONS, SECTION 5 TITLED "NOTIFICATION", FOR INFORMATION REGARDING WORK AFFECTING MAJOR ATSC COMMUNICATION FACILITIES). THE CONTRACTOR SHALL INSTALL A NEW ____-PAIR INTERCONNECT CABLE FROM THE PROPOSED CONTROLLER AT THIS INTERSECTION TO THE CONTROLLER CABINET AT _____ ST. (APPROX. _____).
- J3 MAINTAIN INTERCONNECT SYSTEM IN THE EFFECTIVE OPERATION DURING PROGRESS OF THIS WORK. (SEE LADOT SPECIAL PROVISIONS, SECTION 5 TITLED "NOTIFICATION", FOR INFORMATION REGARDING WORK AFFECTING MAJOR ATSC COMMUNICATION FACILITIES). CONTRACTOR SHALL PROTECT CONDUITS/CABLES IN PLACE. IF CONDUITS/ CABLES ARE DAMAGED DURING CONSTRUCTION, NEW CONDUITS/CABLES SHALL BE INSTALLED AT CONTRACTOR'S EXPENSE. CONTACT LADOT TRAFFIC SIGNAL INSPECTOR AT (213) 485-6834 FOR ANY INTERCONNECT RELATED PROBLEMS ENCOUNTERED DURING CONSTRUCTION.
- VIDEO FIBER RE-ROUTING**
- J4 DISCONNECT THE ____ VIDEO FIBER CABLES FROM THE EXISTING SPLICE ENCLOSURE. CONTRACTOR SHALL LOCATE AND IDENTIFY EXISTING SPLICE POINT AND ENCLOSURE. (SEE LADOT SPECIAL PROVISIONS, SECTION 5 TITLED "NOTIFICATION", FOR INFORMATION REGARDING WORK AFFECTING MAJOR ATSC COMMUNICATION FACILITIES). CONTRACTOR MAY REROUTE EXISTING CABLE TO THE PROPOSED CONDUIT ON THIS PLAN. IN THE EVENT THAT THE CABLE IS NOT SUFFICIENT TO ACCOMPLISH THE PROPOSED INSTALLATION AS SHOWN ON THIS PLAN, THE CONTRACTOR SHALL BE REQUIRED TO INSTALL A NEW ____VIDEO FIBER INTERCONNECT FROM THE EXISTING SPLICE ENCLOSURE AT THIS INTERSECTION TO THE EXISTING SPLICE ENCLOSURE AT _____ ST. (APPROX. _____). CONTRACTOR SHALL CONTACT LADOT COMMUNICATION ENGINEER THREE (3) WORKING DAYS PRIOR TO THE CONSTRUCTION AT (213) 978-0150 TO COORDINATE AND REVIEW THE INSTALLATION AND SPLICE PROCEDURES FOR FIBER OPTIC AND VIDEO FIBER CABLES.
- VIDEO FIBER SPLICING PROCEDURE**
- J5 PROVIDE AND INSTALL A WATERPROOF VIDEO FIBER SPLICE KIT CASE IN THE PROPOSED SPLICE VAULT OR WHEREVER IT IS REQUIRED. CONTRACTOR SHALL INSTALL AND SPLICE THE VIDEO FIBER CABLE USING SPLICE KIT TO ESTABLISH A CONTINUOUS VIDEO FIBER CABLE CONNECTION. CONTACT LADOT COMMUNICATION ENGINEER AT (213) 978-0150 FOR ACCEPTANCE OF MATERIALS AND EQUIPMENT SPECIFICATIONS PRIOR TO PURCHASE.
- VIDEO CAMERA/VIDEO DETECTION**
- K1. CONTRACTOR SHALL PROVIDE AND INSTALL WATERPROOF FIBER OPTIC SPLICE KIT CASE IN THE PROPOSED SPLICE VAULT OR WHEREVER IT IS REQUIRED. CONTRACTOR SHALL INSTALL AND SPLICE GATOR PATCH MODEL FIBER CONNECTION FCP12530-76-0 OR SIMILAR FROM NEAREST FIBER SPLICE POINT OR EXISTING FIBER LOCATION TO CONTROLLER CABINET TO ESTABLISH A CONTINUOUS FIBER CONNECTION FROM COMMUNICATION HUB TO CONTROLLER CABINET. ALL FIBER CONNECTION SHALL BE 'ST' TYPE. CONTACT LADOT COMMUNICATION ENGINEER AT (213) 978-0150 FOR ACCEPTANCE OF MATERIAL AND EQUIPMENT SPECIFICATIONS PRIOR TO PURCHASE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIBER SPLICING (NEW OR EXISTING CABLE) REQUIRED TO MAKE CCTV OPERATIONAL.
- K2. INSTALL COHU MODEL 4269-1000-PEDD CCTV WITH 5 YEAR COHU WARRANTY. INSTALL CAMERA EXTENSION ARM PER SIGNAL STANDARD. INSTALL COHU CA297E (CCTV CABLE) ALONG WITH COHU 8194602-328 CAT 5E (R45) CABLE FROM CAMERA TO CONTROLLER CABINET. INSTALL COHU 7411444-002 3" HIGH MOUNTING BRACKET WITH THE NEW CAMERA. INSTALL OPTELECOM 9225DT-SM-ST TX CARD WITH POWER SUPPLY INSIDE CONTROLLER CABINET AND OPTELECOM 9221DR-SM-ST, OPTELECOM 9752DT-LD-ST AND OPTELECOM 9752DR-L-ST AT THE COMMUNICATION HUB. CONTRACTOR SHALL PROVIDE ALL NECESSARY CABLE & CONNECTORS TO ENSURE A PROPERLY FUNCTIONING CCTV (VIDEO) SYSTEM. CONTACT LADOT COMMUNICATION ENGINEER AT (213) 978-0150 FOR ACCEPTANCE OF VIDEO MATERIALS AND EQUIPMENT SPECIFICATIONS PRIOR TO PURCHASE
- K3. CONTRACTOR SHALL CONTACT LADOT COMMUNICATION ENGINEER THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION AT (213) 978-0150 TO COORDINATE AND REVIEW THE INSTALLATION AND SPLICE PROCEDURE FOR FIBER OPTIC CABLES.
- K4. INSTALL VIDEO DETECTION SYSTEM (VDS). CONTACT LADOT COMMUNICATION ENGINEER AT (213) 978-0150 PRIOR TO PURCHASE FOR VDS SPECIFICATIONS. INSTALL VDS ON LUMINAIRE ARM.
- K5. INSTALL VIDEO DETECTION SYSTEM (VDS) WITH 4-CHANNEL MULTIPLEXER. CONTACT LADOT COMMUNICATION ENGINEER AT (213) 978-0150 PRIOR TO PURCHASE. INSTALL CAMERA ON LUMINAIRE ARM.
- K6. CONFIGURE VIDEO DETECTION ZONE(S) AS SHOWN.

- L1. RELOCATED STANDARD AND MAST ARM SHALL BE UNDAMAGED AT THE CONCLUSION OF THE RELOCATION. DAMAGED MAST ARM AND/OR STANDARD, AS DETERMINED BY THE TRAFFIC SIGNAL INSPECTOR, SHALL BE REPLACED WITH NEW EQUIPMENT AT THE CONTRACTOR'S EXPENSE.
- INSTALLATION OF STANDARD AT DISTANCE OTHER THAN TYPICAL 3'**
- L2. INSTALL STANDARD --' BEHIND CURB FACE.
- L3. THE PROPOSED FOUNDATION SHALL BE INITIALLY HAND-DUG BY THE CONTRACTOR TO VERIFY THE LOCATION OF THE EXISTING UTILITY(IES). THE CONTRACTOR SHALL EXERCISE DUE CAUTION DURING THE EXCAVATION PROCEDURE TO PROTECT SUBJECT UTILITY(IES).
- L4. USE STRAP-ON UNIVERSAL SIGNAL HEAD MOUNT (AB----) PER LADOT STD. DWG. NO. S-63.1.4 TO MOUNT SIGNAL HEAD TO MAST ARM.
- L5. REMOVE PEDESTRIAN PUSH BUTTON AND PLUG HOLE AS DIRECTED BY TRAFFIC SIGNAL INSPECTOR.
- L6. CONTRACTOR TO REMOVE EXISTING TREE. CONTRACTOR TO REMOVE AND REPLACE ALL OFF-GRADE SIDEWALK IN VICINITY OF REMOVED TREE IN CONJUNCTION WITH THE INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT. COORDINATE WITH STREET TREE DIVISION AT (213) 847-3077.
- L7. CONTRACTOR SHALL TRIM TREE(S) AND/OR FOLIAGE TO ENSURE ADEQUATE VISIBILITY OF TRAFFIC SIGNAL INDICATIONS.
- L8. CONTRACTOR SHALL NOTIFY MTA BUS STOPS AND ZONES DEPARTMENT AT DANILSD@METRO.NET, LADOT DASH & COMMUTER EXPRESS AT LADOT.TRANSIT.CONSTRUCTION@LACITY.ORG AND/OR OTHER IMPACTED TRANSIT OPERATOR TWO (2) WEEKS PRIOR TO CONSTRUCTION TO COORDINATE THE RELOCATION OF BUS STOP.
- L9. INSTALL ACCESSIBLE PEDESTRIAN SIGNAL PER LADOT STD. DWG. NO. S-73.2.
- L10. INSTALL PEDESTRIAN BARRICADE PER LADOT STD. DWG. NO. S-454.2.
- TYPE 7 INSTALLATION ON CURB HIGHER THAN PED PATH**
- L11. INSTALL STANDARD 18" BEHIND CURB FACE. MOUNT PUSHBUTTON AT 3' HEIGHT TOP OF CURB.
- L12. INSTALL ELECTRIC R3-1/R3-2 SIGN PER LADOT STD. DWG. NO. S-58.13. SEE DETAIL "___".
- L13. INSTALL ADAPTER BASE PLATE FOR F-7 TO EXISTING F-1 FOUNDATION PER LADOT STD. DWG. NO. S-52.7.1.
- L14. INSTALL ADAPTER BASE PLATE FOR F-1 TO EXISTING F-2 FOUNDATION PER LADOT STD. DWG. NO. S-52.7.4.
- L15. CONTRACTOR SHALL FURNISH AND INSTALL A MOMENTARY PUSH BUTTON (MPB) WITHIN THE FIRE STATION TO ACTUATE TRAFFIC SIGNAL EMERGENCY VEHICLE PREEMPTION. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE INSTALLATION OF THE MPB SHALL BE TO THE SATISFACTION OF THE FIRE STATION CAPTAIN. INSTALL (2#14) CONDUCTOR CABLE FROM EACH MPB TO CONTROLLER. NO SPLICING PERMITTED.
- L16. PROVIDE 4" THICK CONCRETE SLAB IN UNPAVED AREA. FLUSH WITH TOP OF CURB AND EDGE OF SIDEWALK.
- L17. INSTALL AN ARROW ON 12-INCH CIRCULAR GREEN LENS.
- L18. INSTALL VEHICLE HEAD AND/OR PEDESTRIAN HEAD ON STREET SIDE OF POLE.

STREET NAME SIGN WORK

- M1. 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 CONTRACTORS SHALL INSTALL SIGNS AS DIRECTED BY CITY-WIDE INVESTIGATION REPRESENTATIVE.
- M2. CONTRACTOR SHALL INSTALL SIGN ON TYPE 1 POLE WITH SADDLE BRACKET AND SIGN POST EXTENSION PER LADOT STD. DWG. S-524.0.
- M3. CONTRACTOR TO RE-INSTALL EXISTING STREET NAME SIGN ON NEW MAST ARM AS SHOWN.

NEW SIGNAL WORK: REMOVAL OF STOP SIGNS & MARKINGS

- N1. CONTRACTOR SHALL CONTACT CITY-WIDE INVESTIGATION OFFICE AT (213) 928-9625 TO COORDINATE REMOVAL OF STOP SIGN (R1-1) AND PAVEMENT MARKINGS AT THE TIME OF SIGNAL ACTIVATION.

- O1. CONTRACTOR SHALL OBSERVE ALL INDUSTRY SAFETY STANDARDS, PARTICULARLY SECTION 2946 AND 2948 OF TITLE 8 OF CAL-OSHA REGARDING WORK NEAR OVERHEAD LINES.
- O2. SEE STREET LIGHTING SHEET FOR WORK ON STREET LIGHTING FACILITIES.
- O3. ALL NEW VEHICLE AND PEDESTRIAN TRAFFIC SIGNALS SHALL BE LED MODULE, PER LADOT SPECIFICATION 92-088-07 (LATEST EDITION).
- O4. 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.
- O5. THIS PLANS ASSUMES THE COMPLETION OF THE _____PROJECT NO. _____. IF THE PROJECT _____ IS NOT IMPLEMENTED BY THE TIME OF CONSTRUCTION, A REVISED PLAN IS REQUIRED.
- O6. CONTACT LADOT TRAFFIC SIGNAL INSPECTOR THREE (3) DAYS PRIOR TO THE START OF CONSTRUCTION AT _____.

* NOTES BELOW SIGNAL STANDARD SCHEDULE

- P1. *** FOR REFERENCE ONLY; SEE STREET LIGHTING SHEET.
- P2. ** STANDARD AND FOUNDATION PER LADOT STD. DWG. NO. S-52.1.6 SIGNED NOV. 20, 2015
- P3. * EXISTING

* NOTES BELOW CONDUCTOR SCHEDULE

- NOTE FOR ADDING DLC/INTERCONNECT ONLY IN EXISTING CONDUIT**
- Q1. 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.

*CONTACT INFORMATION

CENTRAL YARD TRAFFIC SIGNAL INSPECTOR (213) 332-1648
CENTRAL YARD SIGNAL MAINTENANCE SUPV. (213) 485-6665

WESTERN YARD TRAFFIC SIGNAL INSPECTOR (213) 216-9739
WESTERN YARD SIGNAL MAINTENANCE SUPV. (213) 485-6790

VALLEY YARD TRAFFIC SIGNAL INSPECTOR (213) 216-9322
VALLEY YARD SIGNAL MAINTENANCE SUPV. (818) 779-7437

CITY-WIDE INVESTIGATION OFFICE: (213) 928-9625

SHEET 2 OF 2
REV. 4
APR - '22

DATE									
BY									
TIMING									
DISTRICT									
GEOMETRIC									
ATSAC									
METRO RAIL									
DATE									
BY									
SUPERVISOR									
DESIGNER									
SR. DRAFTING									
DRAFTING									
FIELD									
BASE									
DATE									
ENGR.									
NO.									
DESCRIPTION									