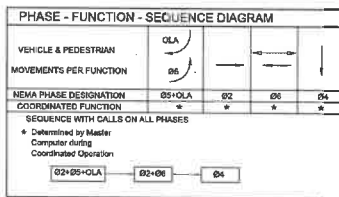
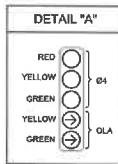


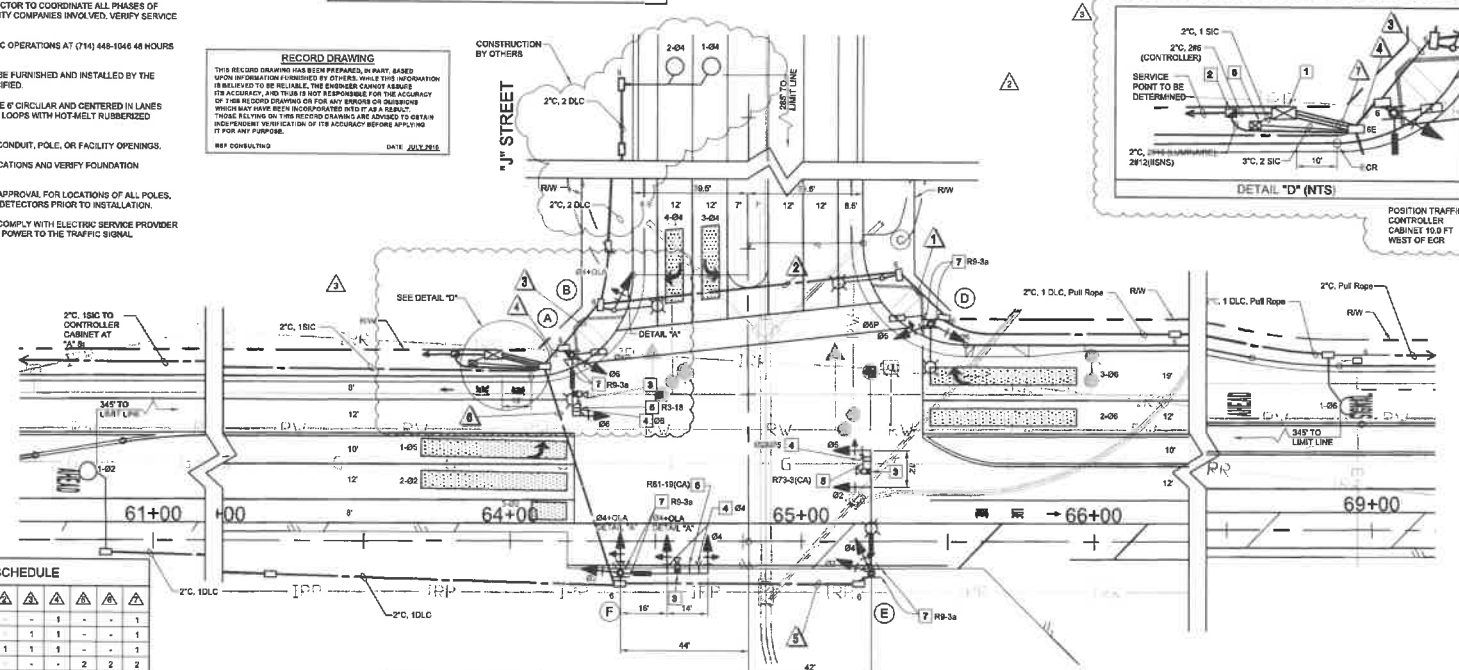
TRAFFIC SIGNAL GENERAL NOTES

- CONTRACTOR SHALL OBTAIN AND THOROUGHLY READ THE TRAFFIC SIGNAL SPECIAL PROVISIONS FOR THIS PROJECT PRIOR TO ORDERING EQUIPMENT. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR COSTS RELATED TO UNSPECIFIED EQUIPMENT.
- ALL WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF CALIFORNIA, DEPT. OF TRANSPORTATION, STANDARD PLANS AND STANDARD SPECIFICATIONS DATED 2010, AND THE SPECIAL PROVISIONS FOR THIS PROJECT.
- UTILITIES SHOWN ON THESE PLANS ARE CORRECT AND ACCURATE TO THE EXTENT OF AVAILABLE RECORDS AND KNOWLEDGE. THE CONTRACTOR, HOWEVER, IS REQUIRED TO ASCERTAIN THE EXACT LOCATION OF UNDERGROUND FACILITIES PRIOR TO DOING WORK THAT MAY DAMAGE SUCH FACILITIES OR INTERFERE WITH THEIR SERVICE.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND NOTIFY ALL UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL PHASES OF CONSTRUCTION WITH THE VARIOUS UTILITY COMPANIES INVOLVED. VERIFY SERVICE LOCATION PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY TRAFFIC OPERATIONS AT (714) 448-1046 48 HOURS PRIOR TO START OF CONSTRUCTION.
- ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED.
- ALL NEW LOOPS SHALL HAVE 4-TURNS, BE 6" CIRCULAR AND CENTERED IN LANES UNLESS OTHERWISE SPECIFIED. INSTALL LOOPS WITH HOT-AIR LIT RUBBERIZED ASPHALT SEALANT.
- COVER, SECURE AND SEAL ALL FUTURE CONDUIT, POLE, OR FACILITY OPENINGS.
- CONTRACTOR SHALL POT-HOLE POLE LOCATIONS AND VERIFY FOUNDATION LOCATIONS PRIOR TO ORDERING POLES.
- CONTRACTOR SHALL OBTAIN ENGINEER APPROVAL FOR LOCATIONS OF ALL POLES, CABINETS, CONDUITS, PULL BOXES, AND DETECTORS PRIOR TO INSTALLATION.
- CONTRACTOR SHALL COORDINATE AND COMPLY WITH ELECTRIC SERVICE PROVIDER REQUIREMENTS AS NEEDED TO PROVIDE POWER TO THE TRAFFIC SIGNAL INSTALLATION.



POLE SCHEDULE											
POLE DATA			SIGNAL ARM			H.P. & V.A.U.M.			SIGNAL MOUNTING		
TYPE	HEIGHT	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA
28-5-100	30'	30'	30'	30'	30'	30'	30'	30'	30'	30'	30'
10-10	30'	30'	30'	30'	30'	30'	30'	30'	30'	30'	30'
10-10	30'	30'	30'	30'	30'	30'	30'	30'	30'	30'	30'
10-10	30'	30'	30'	30'	30'	30'	30'	30'	30'	30'	30'
28-5-100	30'	30'	30'	30'	30'	30'	30'	30'	30'	30'	30'
18-4-100	30'	30'	30'	30'	30'	30'	30'	30'	30'	30'	30'

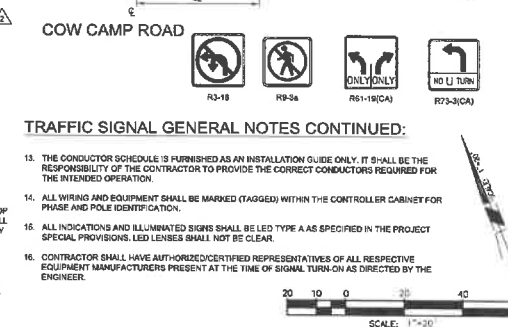
RECORD DRAWING
THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE ENGINEER CANNOT ASSUME ITS ACCURACY, AND THERE IS NO RESPONSIBILITY FOR THE ACCURACY OF THIS RECORD DRAWING OR FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT THEREOF. THE USER OF THIS RECORD DRAWING IS ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF THE ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.



CONDUCTOR SCHEDULE											
AWG OR CABLE	POLE	CIRCUIT	1	2	3	4	5	6	7	8	9
12 CSC	01, 02, 03, 04	01, 02, 03, 04	1	1	1	1	1	1	1	1	1
3 CSC	01, 02, 03, 04	01, 02, 03, 04	1	1	1	1	1	1	1	1	1
#12	11S	11S	1	2	4	4	4	4	4	4	4
#10	SIGNAL COMMONS	SIGNAL COMMONS	1	1	1	1	1	1	1	1	1
DLC	04	04	1	1	1	1	1	1	1	1	1
EMERGENCY VEHICLE PRE-EMPTION	04	04	1	1	1	1	1	1	1	1	1
VIDEO DETECTION CABLE	04	04	1	1	1	1	1	1	1	1	1
1-12 PPHS SIGNAL INTERCONNECT	04	04	1	1	1	1	1	1	1	1	1
CONDUIT SIZE	3"	3"	3"	4"	3"	3"	3"	3"	3"	3"	3"
PERCENT FULL	14%	16%	23%	21%	16%	21%	17%	17%	17%	17%	17%



*INDUCTIVE LOOP DETECTOR SCHEDULE											
SENSOR UNIT CHANNEL	DETECTION	1	2	3	4	5	6	7	8	9	10
R1	1-02	1	2	3	4	5	6	7	8	9	10
R2	1-06	1	2	3	4	5	6	7	8	9	10
R3	1-04	1	2	3	4	5	6	7	8	9	10
R4	1-06	1	2	3	4	5	6	7	8	9	10
R5	1-06	1	2	3	4	5	6	7	8	9	10
R6	1-06	1	2	3	4	5	6	7	8	9	10
R7	1-06	1	2	3	4	5	6	7	8	9	10
R8	1-06	1	2	3	4	5	6	7	8	9	10
R9	1-06	1	2	3	4	5	6	7	8	9	10
R10	1-06	1	2	3	4	5	6	7	8	9	10



- ## CONSTRUCTION NOTES
- FURNISH AND INSTALL ASC-7100 CONTROLLER ASSEMBLY AND VIDEO DETECTION SYSTEM IN A CLEAR-CAT TYPE 3-44 CABINET PER THE SPECIAL PROVISIONS. FURNISH AND INSTALL UNINTERRUPTIBLE POWER SUPPLY (UPS) IN SEPARATE CABINET MOUNTED ON THE LEFT SIDE OF CONTROLLER CABINET. SEE SPECIAL PROVISIONS. CONSTRUCT CONCRETE FOUNDATION 18" ABOVE AND BELOW GRADE TO EXTEND COMPLETELY UNDER CONTROLLER AND UPS CABINET. A 4" ACCESS HOLE BETWEEN CABINETS SHALL BE DRILLED AS DIRECTED BY ENGINEER.
 - FURNISH AND INSTALL TYPE-3 6F 120042V SERVICE ENCLOSURE.
 - FURNISH AND INSTALL VIDEO DETECTION CAMERA ON SIGNAL MAST ARM PER SPECIAL PROVISIONS. EXACT SIZE AND LOCATION OF DETECTION ZONES TO BE DETERMINED IN THE FIELD.
 - FURNISH AND INSTALL EMERGENCY VEHICLE PREEMPTION SENSOR UNIT AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS.
 - FURNISH AND INSTALL TRAFFIC SIGNAL MAST ARM MOUNTED SIGN PER CALTRANS STANDARD PLAN ES-7N, DETAIL U.
 - FOR SIGNAL INTERCONNECT AND EQUIPMENT SEE SIGNAL INTERCONNECT PLANS.
 - FURNISH AND INSTALL POLE MOUNTED SIGN PER CALTRANS STANDARD PLAN S4.

DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DATE: 06/29/13

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

DATE: 06/29/13

CONTRACTOR: [Signature]
DATE: 06/29/13

PROJECT: COW CAMP ROAD
SHEET: TS-003
DATE: 06/29/13