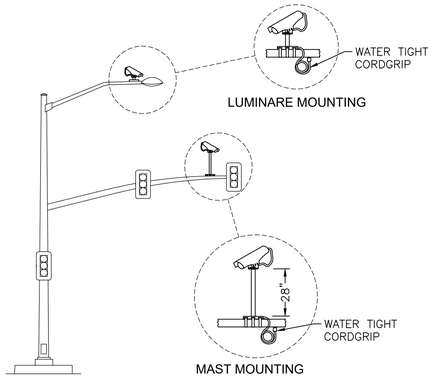
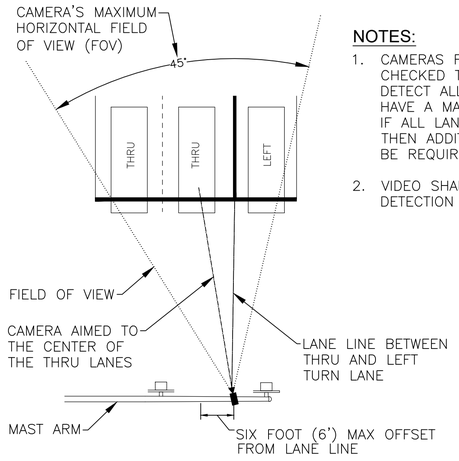
VIDEO DETECTION		
NUMBER OF APPROACH LANES	QTY OF CAMERAS	CAMERA MOUNTING
6 LANES + BIKE LANE OR LESS	1	MAST ARM
GREATER THAN 6 LANES + BIKE LANE	2	LUMINAIRE ARM
SPLIT PHASE	1	LUMINAIRE ARM



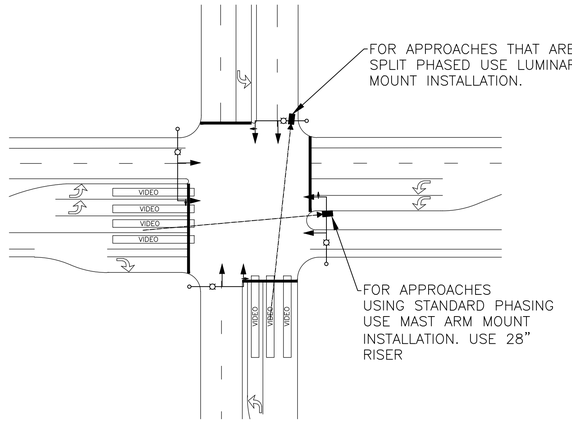


NOTE: DETAIL DEMOSTRATES FOV AND AIMING ONLY. DOES NOT DENOTE THE AMOUNT OF DETECTED LANES.

VIDEO DETECTION FIELD OF VIEW AND MOUNTING DETAIL

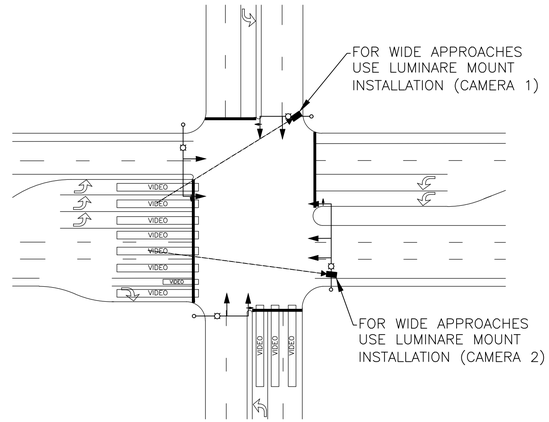
NOTES:

1. CAMERAS FIELD OF VIEW (FOV) SHALL BE CHECKED TO VERIFY THAT THE CAMERA CAN DETECT ALL LANES. THE CAMERA SHALL HAVE A MAXIMUM HORIZONTAL FOV OF 45°. IF ALL LANES DO NOT FIT IN THE FOV THEN ADDITIONAL CAMERAS OR LOOPS WILL BE REQUIRED.
2. VIDEO SHALL BE USED FOR STOPBAR DETECTION ONLY.



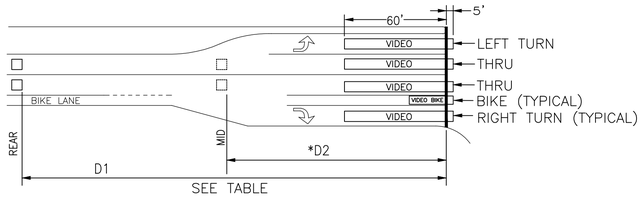
SINGLE CAMERA DETECTION MOUNTING

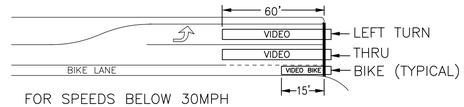
FOR APPROACHES
6 LANES + BIKE LANE OR LESS



DUAL CAMERA DETECTION MOUNTING

FOR APPROACHES GREATER THAN
6 LANES + BIKE LANE





FOR SPEEDS BELOW 30MPH

NOTES:

1. NOMINAL LOOP SIZE TO BE 6'x6'.
2. EACH REAR AND MID LOOP SHALL HAVE A ONE DLC.

LOOP DISTANCE		
DESIGN OR 85TH SPEED	REAR D1	MID D2*
BELOW 30 MPH	N/A	
30 MPH	175'	
35 MPH	200'	
40 MPH	250'	
*45 MPH	300'	200'
*50 MPH	350'	225'
*55 MPH	405'	250'

'*' MID (D2) LOOP TO BE INSTALLED AT THE DISCRETION OF THE CITY TRAFFIC ENGINEER.

TYPICAL DETECTOR LAYOUT VIDEO & LOOPS

APPROVED BY : Kaleb K. Haile — E-15137 — 06/15/2021
KALEB HAILE, SENIOR ELECTRICAL ENGINEER — P.E. — DATE

CAD FILE:

REVISIONS			
NO.	DESCRIPTION	DATE	BY

BENCH MARK ELEV. _____
DESCRIPTION

FIELD BOOK N/A

SCALE
HORIZ. N/A
VERT. N/A

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS

DRAWN BY: STAFF — DATE
DESIGNED BY: STAFF — R.E.E. — DATE 06/14/21
CHECKED BY: K. HAILE — R.E.E. E-15137 — DATE 06/15/21

PLANS FOR

STANDARD DETAILS FOR TRAFFIC SIGNAL No. 2

DWG. NO.
SHEET
OF
PN: