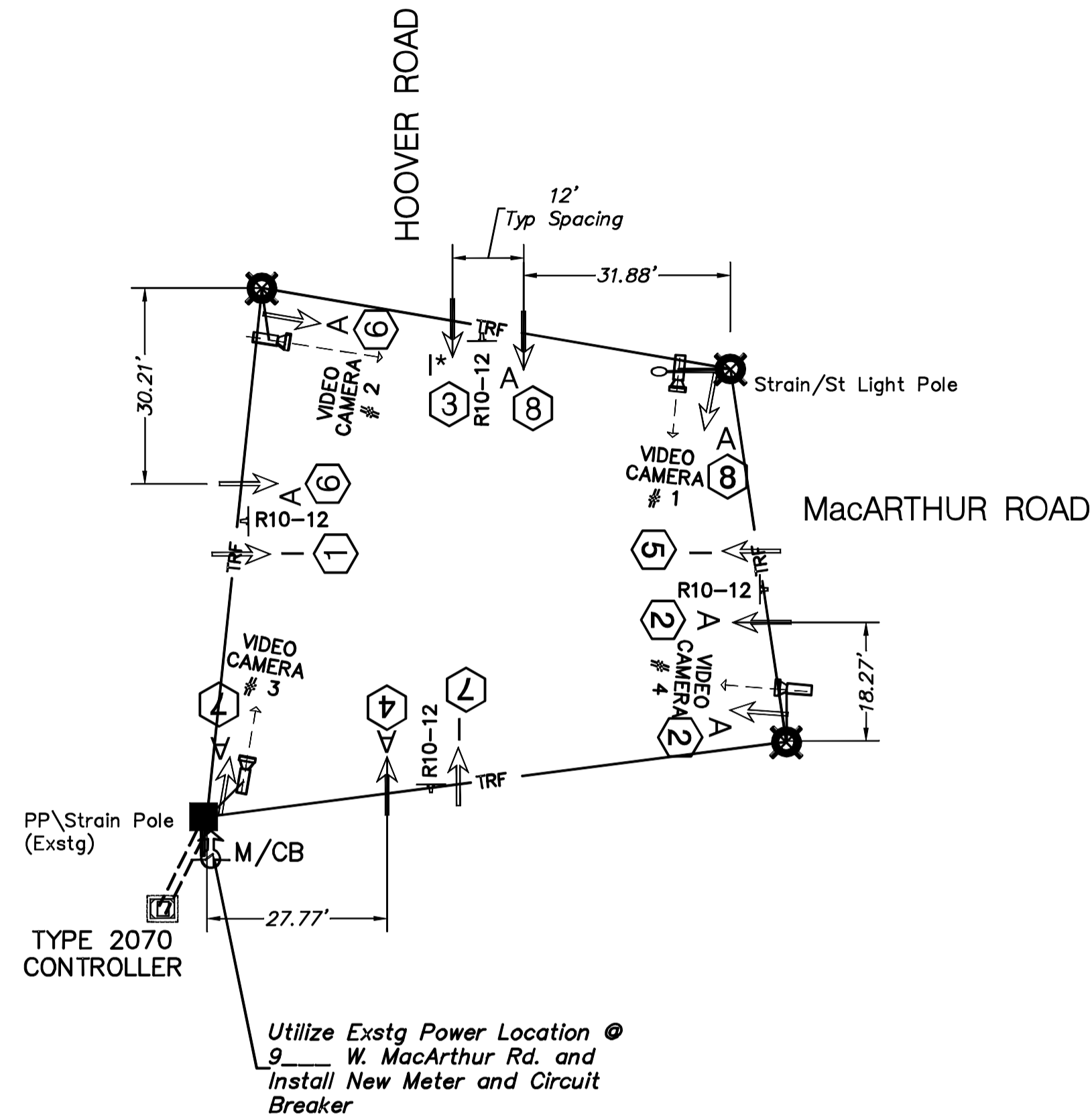


TRAFFIC SIGNAL POLES

ITEM	UNIT	ESTIMATED QTY (*)
Model 2070 Controller (See Inclusive List Below)	Each	1
Controller Cabinet	Each	1
Concrete Base for Controller	Each	1
JOINT USE Span Pole w/ Mast Arm (See Chart Below)	Each	
Concrete Base for Signal Poles	Each	
Traffic Signal Head (Type A) w/ Backplate & Brkt	Each	4
Traffic Signal Head (Type A) w/o Backplate (S.O.P.)	Each	4
Traffic Signal Head (Type I-STACKED) w/ Brkt	Each	4
Traffic Signal Head (Type L) w/ Backplate	Each	
Span Wire Cable	L.F.	600
R10-12 (Left Turn Yield On Green) w/ Mtg. Brackets	Each	4
D3 Assy. (Street Name Size) w. Mtg. Brackets	Each	
Pedestrian Puchbutton w/ Sign	Each	
Ground Rod & Clamp	Each	5
Service Box	Each	
3" RGC Conduit	L.F.	30
2" RGC Conduit	L.F.	
1" RGC Conduit	L.F.	
2" PVC (Street Light Conduit)	L.F.	
Video Detection Camera and Mounting Hardware	Each	4
Video Detection Processor	Each	1
Camera Housing	Each	4
Video Detection Processor Unit	Each	4
Video Power Cable No. 16 AWG 3/C	L.F.	870
Video Cable 75 OHM Coaxial	L.F.	870
TV Monitor	Each	1
Camera Charged Coupling Device	Each	4
Luminare Arm	Each	4
Multi-Conductor Cable 5C	L.F.	450
Multi-Conductor Cable 7C #14 AWG	L.F.	1500
Ground Wire (THHN #8 AWG)	L.F.	550
Power Supply Wire (THHN #6 AWG)	L.F.	As Required

(*) For Information Only



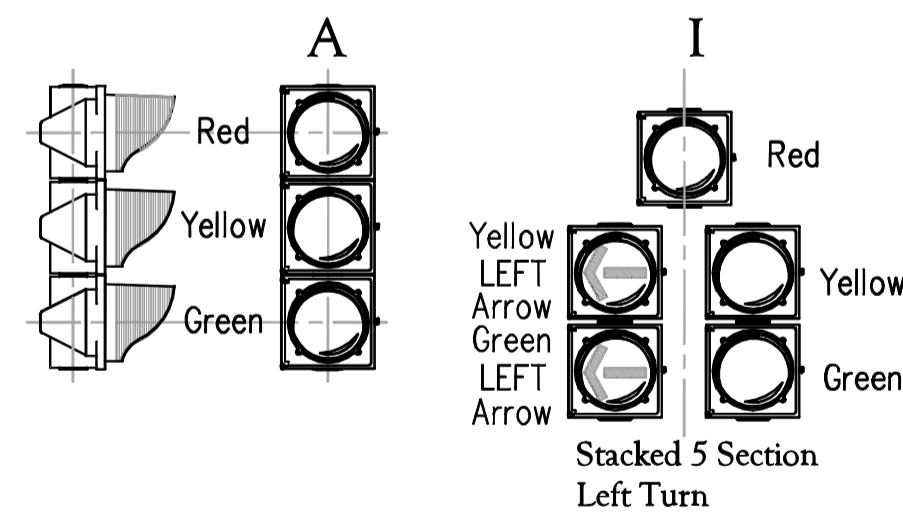
GENERAL NOTES

- The Contractor shall be responsible for furnishing and installing the controller, cabinet, concrete base, and all other equipment necessary for the complete and satisfactory operation of the traffic signal, whether said equipment is specifically mentioned or not.
- Lengths given are to the centerline of poles/boxes and do not include lengths for elbows and risers.
- Signal heads, pedestrian signals, traffic signals, & etc. shall **INCLUDE** all brackets, hardware, & other incidentals necessary for installation.
- See City of Wichita Standard Specifications for additional wiring notes.

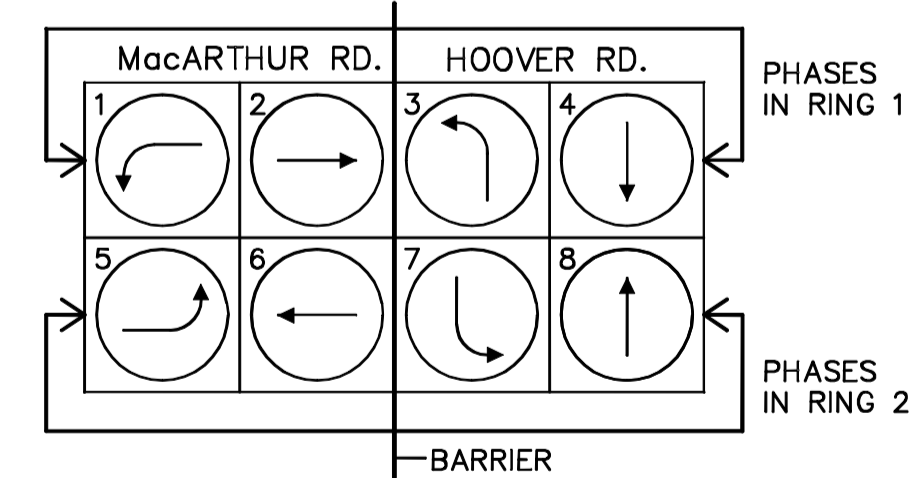
TYPE 2070 CONTROLLER NOTES

- A. Controller Unit: The 2070L controllers supplied shall meet the requirements outlined in CalTrans TEES 2002 (latest revision), and the following requirements:
- The 2070L controllers shall have a 19" EIA rack mountable chassis (mated to the 107 cabinet).
 - 2070-1B CPU module with RJ-45 Ethernet port.
 - 2070-2A C1 field I/O module for compatibility with CalTrans style C1 connector.
 - 2070-3B 8X40 front panel with LCD display.
 - 2070-4A 10 amp power supply.
 - 2070-7A asynchronous serial communications module (RS-232).
 - Any unused slot position shall have a cover plate.
- B. Conflict Monitors supplied shall be 2010 ECL conflict monitors.
- C. 1-Loop-back cable for 2070-2A Field I/O (Type 170,104 pin and 37 pin connector).
- D. 1- Loop-back cable for 2070-7A Port.

TYPICAL TRAFFIC SIGNAL HEADS



PHASING DIAGRAM



TRAFFIC SIGNAL POLES

Station, Dist, & Side	Arm Size	# of Signals	Signal Spacing	Type	JU Poles
9+70.85, 40.5' Lt.		3	12'	A, I	
9+55.00, 55.0' Rt.		3	12'	A, I	
10+43.00, 28.0' Lt.		3	12'	A, I	
10+51.00, 29.5' Rt.		3	12'	A, I	

METER ADDRESS: 9 WEST MacArthur Rd

* For Information Only

PAVEMENT MARKING QUANTITIES - PROJECT TOTALS						
Material	Lineal Feet of Thermoplastic					
WIDTH COLOR	4"	12"	4"	6"	12"	24"
	YELLOW	YELLOW	WHITE	WHITE	WHITE	WHITE
TOTALS	3435	50	2448	600	-	90

Drawing File: E:\Hoover and MacArthur Intersection\Bse

Design: TA
Drawn: STAFF
Approved: JFB
Scale: 1:20

Project No. 07-02-E759 CAPITAL IMPROVEMENT PROJECT
SIGNALIZATION PLAN
HOOVER AND MacARTHUR INTERSECTION
MacARTHUR @ HOOVER INTERSECTION UPGRADE

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

January, 2008
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OF
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