

DETECTOR SUMMARY							
CAMERA NO.	DETECTION ZONE	MODE	SIZE (LxW)	PHASE CALLED	PHASE EXTENDED	DELAY/STRETCH TIMER	INITIAL SETTING (SEC.)
1	D6-1	Presence	60x6	6	6	S	5
1	D6-2	Presence	60x6	6	6	S	5
2	D4-1	Pulse	6x6	4	4	S	1
2	D4-2	Pulse	6x6	4	4	S	1
2	D4-3	Presence	60x6	4	4	-	-
2	D4-4	Pulse	6x6	4	4	S	1
2	D4-5	Pulse	6x6	4	4	S	1
2	D4-6	Presence	60x6	4	4	-	-
2	D7-1	Presence	60x6	7	7	-	-
4	D3-1	Presence	60x6	3	3	-	-
4	D8-1	Pulse	6x6	8	8	S	1
4	D8-2	Pulse	6x6	8	8	S	1
4	D8-3	Presence	60x6	8	8	-	-
4	D8-4	Pulse	6x6	8	8	S	1
4	D8-5	Pulse	6x6	8	8	S	1
4	D8-6	Presence	60x6	8	8	-	-
4	D8-7	Pulse	6x6	8	8	S	1
4	D8-8	Pulse	6x6	8	8	S	1
4	D8-9	Presence	60x6	8	8	-	-

Detector Summary reflects initial operation.

Sta. 136+04, 53.50' Lt.
Install Traffic Signal Pole
(Joint Use) with 50' Mast Arm
Top Base= 1389.28
See Sh. No. 69

GENERAL NOTES

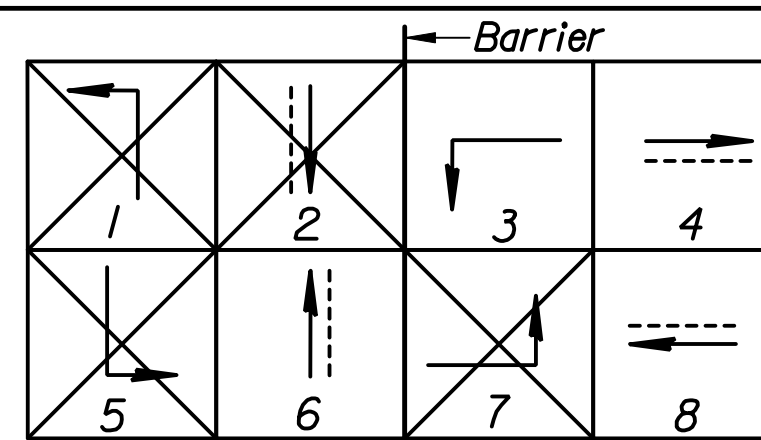
All Signal Heads shall have 12" LED lenses.

Placement of Signal Poles, Service/Junction Boxes, Conduit runs and Controller are typical and may be adjusted as directed by the Engineer to facilitate installation.

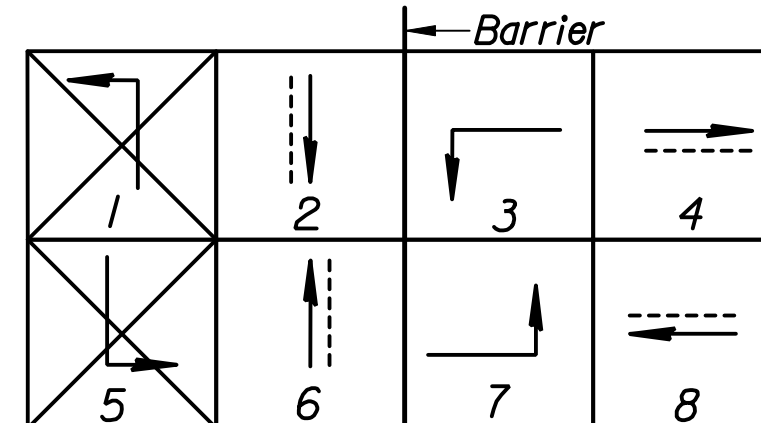
Utility locations are approximate. The Contractor shall be responsible for locating all underground utilities prior to construction.

*The Contractor shall coordinate with Westar Energy for the exact location of the meter and disconnect box and for the connection of power for the traffic signal installation.

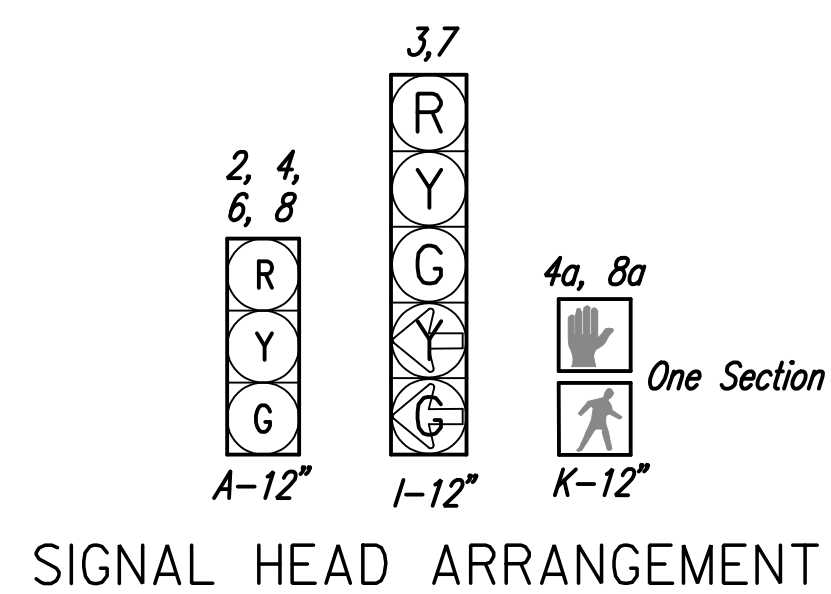
Signal Heads not in use during initial operation shall be bagged.



PHASE DIAGRAM INITIAL OPERATION



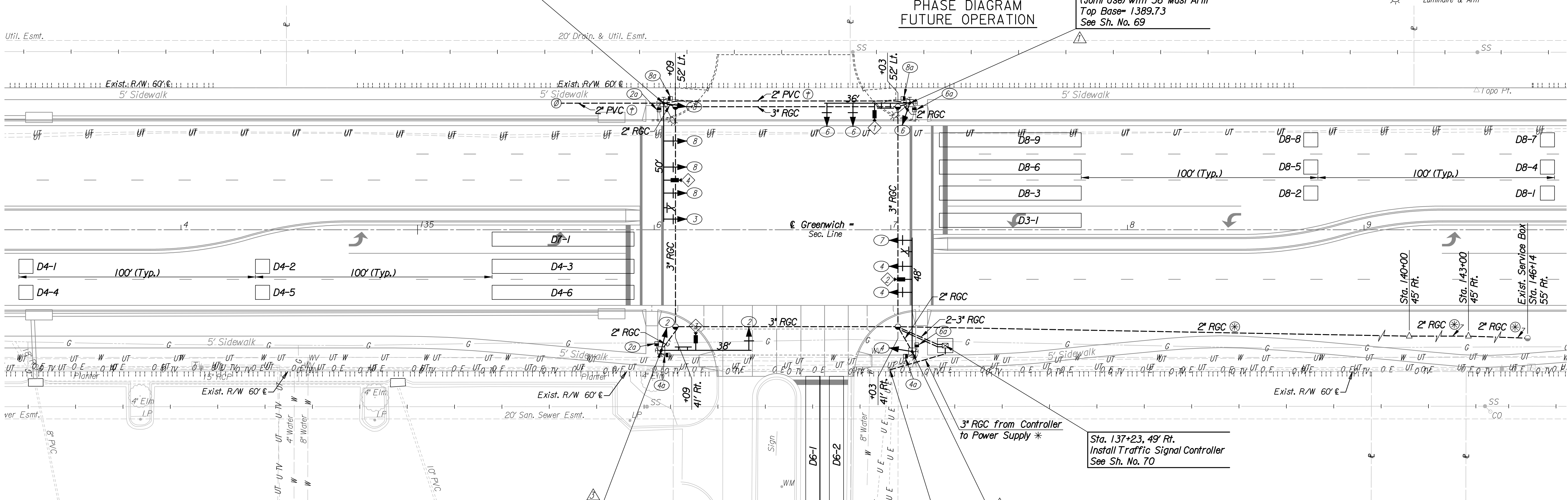
PHASE DIAGRAM FUTURE OPERATION



SIGNAL HEAD ARRANGEMENT

LEGEND

- ☐ Traffic Signal Pole with Mast Arm
- ◀ Traffic Signal Head
- ◀ Traffic Signal Head with Backplate
- ◀ Traffic Signal Camera
- ⏏ Pedestrian Signal Head
- ⏏ Pedestrian Push Button w/ sign
- D(Phase)-# Detector Zone
- ☐ Controller with pad
- Service Box
- △ Junction Box
- ✕ R10-12 Sign
- Rigid Galvanized Conduit (RGC)
- ⊙ Signal Phase
- △ Signal Pole Reference Number
- ◇ Traffic Signal Camera Reference Number
- ⊥ Street Name Sign
- ☀ Luminaire & Arm



FUNCTION	PHASE							
	1	2	3	4	5	6	7	8
VEHICLE RECALL	-	-	-	X	-	-	-	X
PED RECALL	-	-	-	X	-	-	-	X
RED LOCK	-	-	-	-	-	-	-	-
YELLOW LOCK	-	-	-	X	-	-	-	X
PERMIT	-	-	X	X	-	-	X	X
PED PHASES	-	X	-	X	-	-	X	-
LEAD PHASES	X	-	X	-	-	-	-	-
DOUBLE ENTRY	-	-	X	-	X	-	X	-
SEQUENTIAL TIMING	-	-	-	-	-	-	-	-
START-UP YELLOW	-	-	-	-	-	X	-	-
OVERLAP A	-	-	-	-	-	-	-	-
OVERLAP B	-	-	-	-	-	-	-	-
OVERLAP C	-	-	-	-	-	-	-	-
OVERLAP D	-	-	-	-	-	-	-	-
EXCLUSIVE	-	-	-	-	-	-	-	-
SIMULTANEOUS GAP	-	-	-	-	-	-	-	-

Function Table reflects initial operation.

FUNCTION	PHASE							
	1	2	3	4	5	6	7	8
MAX. I	-	-	30	80	-	30	-	80
MAX. II/HFDW	-	-	30	80	-	30	-	80
WALK	-	8	-	8	-	8	-	8
FLASH DW	-	20	-	20	-	20	-	20
MAX. INITIAL	-	-	6	8	-	-	-	8
MIN. GREEN	-	-	5	10	-	10	-	10
T. B. R.	-	-	1	25	-	-	-	25
T. T. R.	-	-	1	15	-	-	-	15
OBSERVE GAP	-	-	-	-	-	-	-	-
PASSAGE	-	-	1	2	-	1	-	2
MIN. GAP	-	-	1	1	-	1	-	1
ADDED ACTUATION	-	-	1	2	-	2	-	2
YELLOW	-	-	3	4	-	3.5	-	4
RED CLEAR	-	-	1	2	-	2	-	2
RED REVERT	-	-	-	-	-	-	-	-
WALK II	-	-	-	-	-	-	-	-

Phase Timing reflects initial operation.

EQUIPMENT SPECIFICATIONS 2070 CONTROLLER

- A. Controller Unit: The 2070L controller supplied shall meet the requirements outlined in CalTrans TEES 2002 (latest revision), and the following requirements:
- The 2070L controller shall have a 19" EIA rack mountable chassis (mated to the 170 cabinet).
 - 2070-1B CPU module with RJ-45 Ethernet port.
 - 2070-2A CI field I/O module for compatibility with CalTrans style CI 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 Monitor: The Conflict Monitor supplied shall be 2010 ECL conflict monitor.

Sta. 136+03, 51' Rt.
Install Traffic Signal Pole with 38' Mast Arm
Top Base= 1389.85
See Sh. No. 69

Install Meter, Disconnect Box & Riser on Existing Pole or New Pole Set by Westar

Sta. 137+09, 51.50' Rt.
Install Traffic Signal Pole with 48' Mast Arm
Top Base= 1390.28
See Sh. No. 69

Sta. 137+23, 49' Rt.
Install Traffic Signal Controller
See Sh. No. 70

- ⊙ For Future Signal Interconnect
- ⊙ Street Light Power Supply
- ⊙ 2" PVC Conduit with Pull Rope for Street Light Circuit

DSNR: WDH OPER: SVB SCALE: 1"=20' DATE: 11/20/06/06471/Signal/06471-Signal.DGN 4-16-2007 16:00:00 LAST REV: 6-1-2007 BY: svb

No.	Revision	By	Date
GREENWICH ROAD TRAFFIC SIGNAL PLAN (Sta. 136+56) JAMES L. ARMOUR, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 472-84435 Professional Engineering Consultants, P.A. 303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	WDH	Job No.	06471
Drawn by	SVB	Date	June, 2007
			Sht. 67 of 97