

DETECTOR SUMMARY							
CAMERA NO.	DETECTION ZONE	MODE	SIZE (LxW)	PHASE CALLED	PHASE EXTENDED	DELAY/STRETCH TIMER	INITIAL SETTING (SEC.)
1	D7-1	Presence	60x6	7	7	-	-
1	D7-2	Presence	60x6	7	7	-	-
1	D7-3	Pulse	6x6	7	7	S	1
1	D7-4	Pulse	6x6	7	7	S	1
1	D4-1	Presence	60x6	4	4	-	-
1	D4-2	Presence	60x6	4	4	-	-
1	D4-3	Presence	60x6	4	4	-	-
1	D4-4	Pulse	6x6	4	4	S	1
1	D4-5	Pulse	6x6	4	4	S	1
1	D4-6	Pulse	6x6	4	4	S	1
1	D4-7	Pulse	6x6	4	4	S	1
1	D4-8	Pulse	6x6	4	4	S	1
1	D4-9	Pulse	6x6	4	4	S	1
2	D5-1	Presence	60x6	5	5	-	-
2	D5-2	Pulse	6x6	5	5	S	1
2	D2-1	Presence	60x6	2	2	-	-
2	D2-2	Presence	60x6	2	2	-	-
2	D2-3	Pulse	6x6	2	2	S	1
2	D2-4	Pulse	6x6	2	2	S	1
2	D2-5	Pulse	6x6	2	2	S	1
2	D2-6	Pulse	6x6	2	2	S	1
3	D3-1	Presence	60x6	3	3	-	-
3	D3-2	Pulse	6x6	3	3	S	1
3	D8-1	Presence	60x6	8	8	-	-
3	D8-2	Presence	60x6	8	8	-	-
3	D8-3	Presence	60x6	8	8	D	8
3	D8-4	Pulse	6x6	8	8	S	1
3	D8-5	Pulse	6x6	8	8	S	1
3	D8-6	Pulse	6x6	8	8	S	1
3	D8-7	Pulse	6x6	8	8	S	1
4	D1-1	Presence	60x6	1	1	-	-
4	D1-2	Pulse	6x6	1	1	S	1
4	D6-1	Presence	60x6	6	6	-	-
4	D6-2	Presence	60x6	6	6	-	-
4	D6-3	Pulse	6x6	6	6	S	1
4	D6-4	Pulse	6x6	6	6	S	1
4	D6-5	Pulse	6x6	6	6	S	1
4	D6-6	Pulse	6x6	6	6	S	1

Detector Summary reflects initial operation.

FUNCTION	PHASE TIMING							
	1	2	3	4	5	6	7	8
MINIMUM GREEN	5.0	8.0	5.0	8.0	5.0	8.0	5.0	8.0
MAXIMUM GREEN	30.0	25.0	25.0	60.0	30.0	25.0	25.0	55.0
YELLOW CHANGE	3.0	3.2	3.0	3.6	3.0	3.2	3.0	3.6
RED CLEAR	3.4	2.5	3.4	1.9	3.4	2.5	3.4	1.9
ADDED INITIAL	1.0	2.0	1.0	2.0	1.0	2.0	1.0	2.0
MAXIMUM INITIAL	6.0	10.0	6.0	10.0	6.0	10.0	6.0	10.0

Phase Timing reflects initial operation. Phases 4 & 8 to Soft Recall.

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.

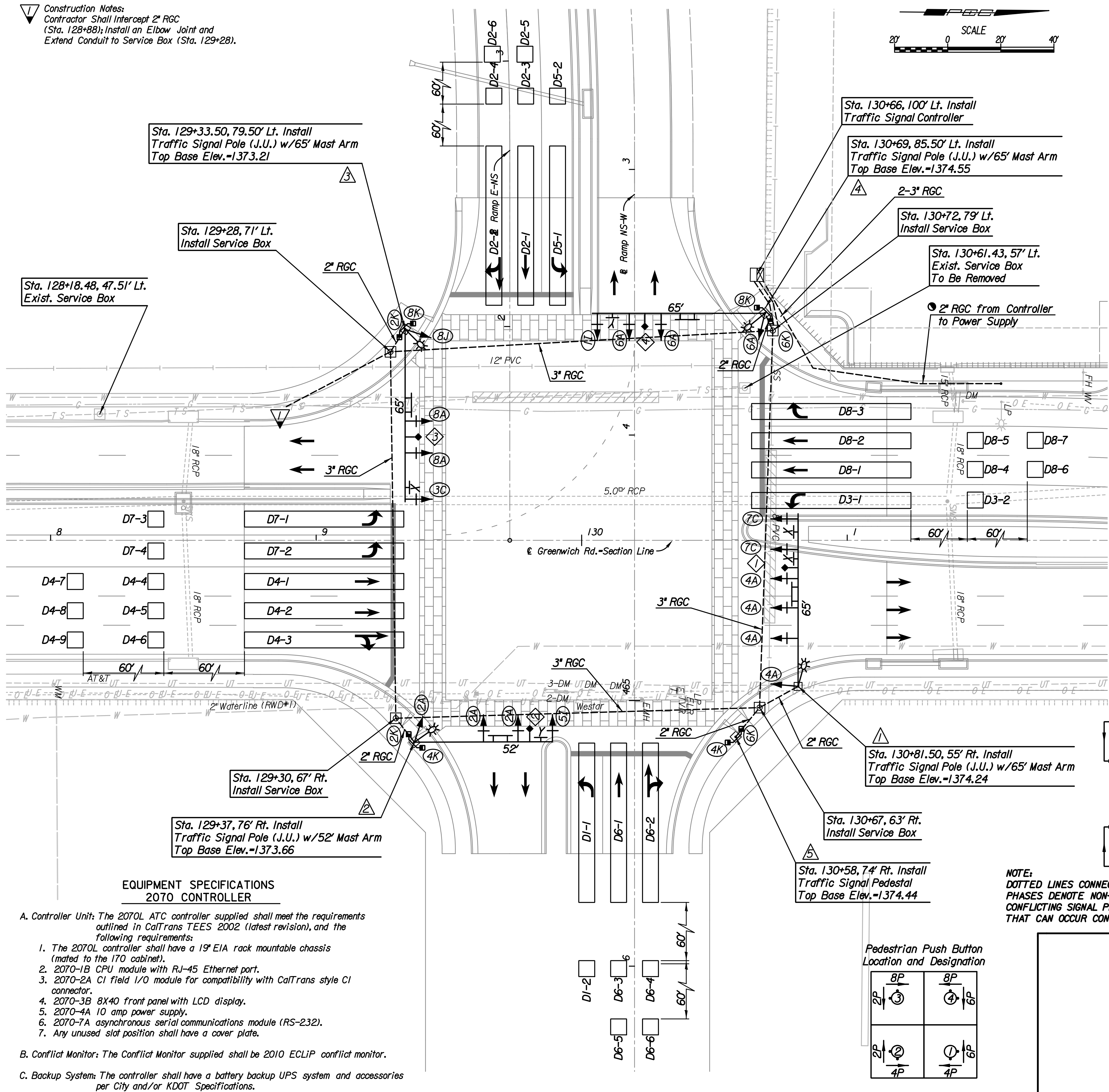
Utility locations are approximate. The Contractor shall be responsible for locating all underground utilities prior to construction.

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.

EQUIPMENT SPECIFICATIONS 2070 CONTROLLER

- A. Controller Unit: The 2070L ATC 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 ECLIP conflict monitor.
- C. Backup System: The controller shall have a battery backup UPS system and accessories per City and/or KDOT Specifications.

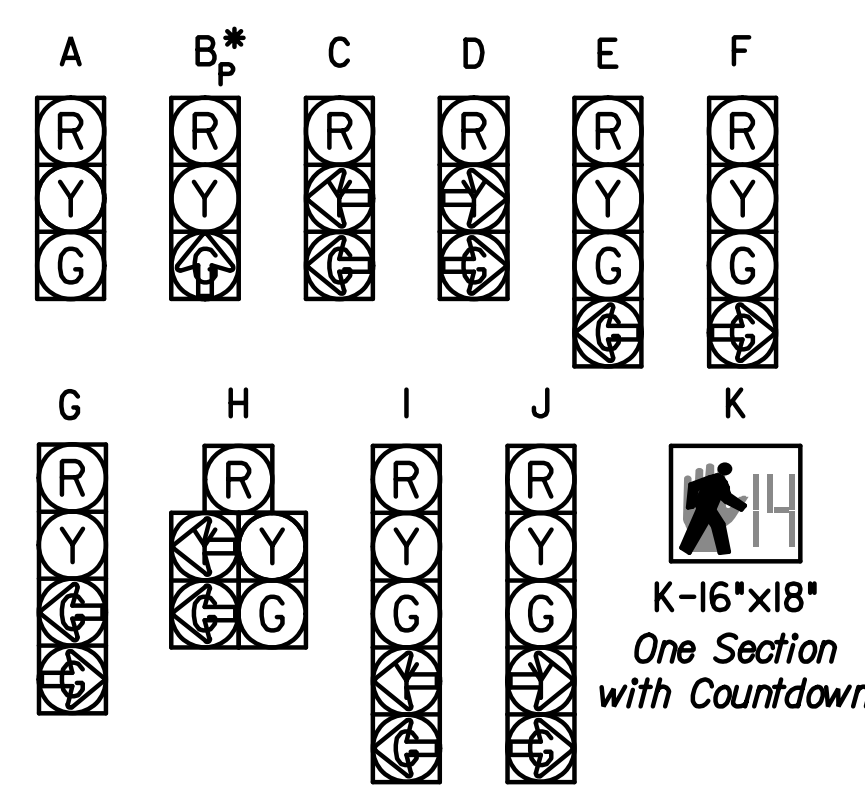
Construction Notes:
Contractor Shall Intercept 2" RGC (Sta. 128+88); Install an Elbow Joint and Extend Conduit to Service Box (Sta. 129+28).



LEGEND

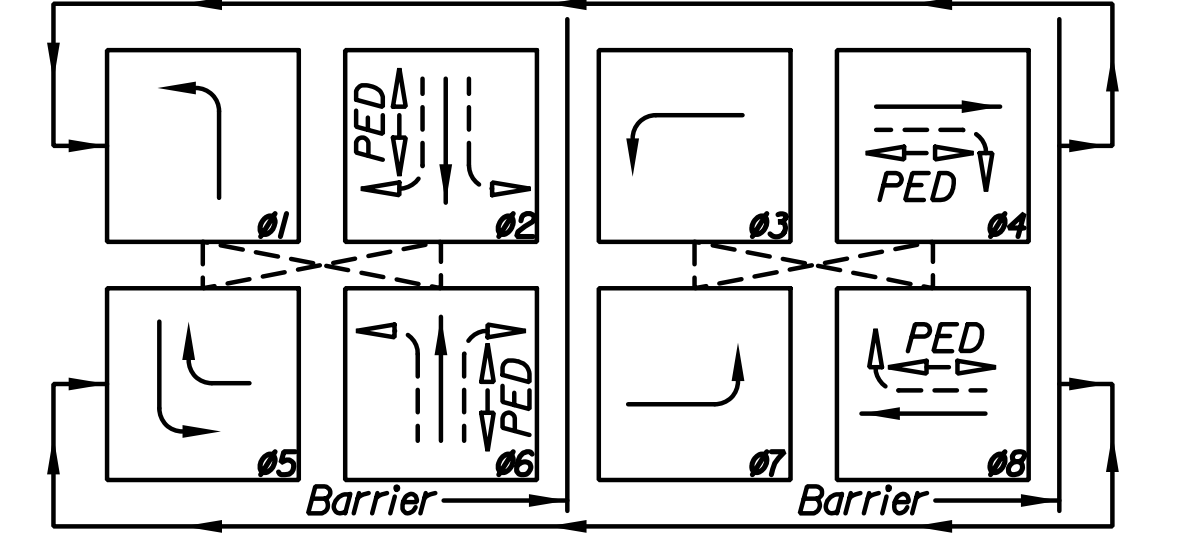
- 60' Traffic Signal Pole with Mast Arm & Length
- Traffic Signal Pedestal
- Traffic Signal Head
- Traffic Signal Head with Backplate
- Traffic Signal Radar Unit
- Pedestrian Signal Head
- Controller
- D(Phase)-> Detector Zone
- Service Box (Pre-Fab)
- R10-10 Sign
- R10-12 Sign
- Rigid Galvanized Conduit (RGC)
- Signal Phase & Head Arrangement
- Signal Pole Reference Number
- Traffic Signal Radar Unit Reference Number
- Street Name Sign
- L.E.D. Luminaire with Arm
- Meter and Enclosure
- Lane Use Arrow

Exact location to be determined by Westar Energy



SIGNAL HEADS

PHASE DIAGRAM

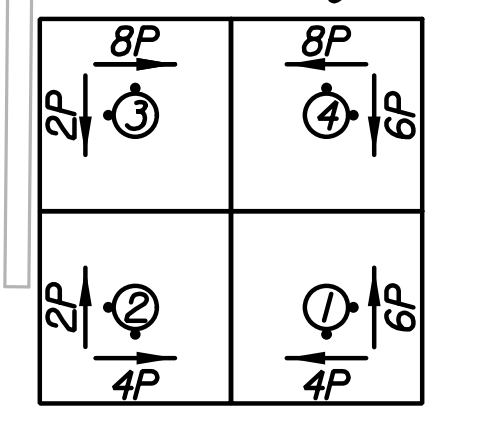


NOTE: DOTTED LINES CONNECTING PHASES DENOTE NON-CONFLICTING PHASES THAT CAN OCCUR CONCURRENTLY.

PEDESTRIAN INTERVALS TO OCCUR ONLY AFTER PUSHBUTTON ACTIVATION.

MOVEMENTS: Protected Phase (solid arrow), Permitted Phase (dashed arrow)

Pedestrian Push Button Location and Designation



Revision		By		Date	
K-96 AND GREENWICH ROAD					
TRAFFIC SIGNAL PLAN					
GREENWICH & RAMPS E-NS & NS-W					
GARY JANZEN, P.E.-CITY ENGINEER CITY OF WICHITA PROJECT NO. 472-85066					
PEC PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA WICHITA, KS 67202 316-262-2691 www.pec1.com					
Designed by	SAC	Job No.	09521		
Drawn by	JDT	Date	Jan., 2014	Sht. 160 of 388	