

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	-	-
1	D6-2	Presence	60x6	6	6	-	-
1	D6-3	Pulse	6x6	6	6	S	1
1	D6-4	Pulse	6x6	6	6	S	1
1	D6-5	Presence	60x6	6	6	-	-
1	D6-6	Pulse	6x6	6	6	S	1
1	D6-7	Pulse	6x6	6	6	S	1
2	D7-1	Presence	60x6	7	7	-	-
2	D7-2	Presence	60x6	7	7	-	-
2	D4-1	Presence	60x6	4	4	D	5
3	D5-1	Presence	60x6	5	5	-	-
3	D2-1	Presence	60x6	2	2	-	-
3	D2-2	Pulse	6x6	2	2	S	1
3	D2-3	Pulse	6x6	2	2	S	1
3	D2-4	Presence	60x6	2	2	-	-
3	D2-5	Pulse	6x6	2	2	S	1
3	D2-6	Pulse	6x6	2	2	S	1

Detector Summary reflects initial operation.

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

Function Table reflects initial operation.

PHASE TIMING								
FUNCTION	PHASE							
	1	2	3	4	5	6	7	8
MAX. I	-	60	-	30	30	60	-	-
MAX. II/HFDW	-	-	-	-	-	-	-	-
WALK	-	8	-	8	-	8	-	-
FLASH DW	-	20	-	20	-	20	-	-
MAX. INITIAL	-	8	-	6	8	-	-	-
MIN. GREEN	-	10	-	10	5	10	-	-
T B R	-	25	-	25	1	25	-	-
T T R	-	15	-	15	1	15	-	-
OBSERVE GAP	-	-	-	-	-	-	-	-
PASSAGE	-	2	-	1	1	2	-	-
MIN. GAP	-	1	-	1	1	1	-	-
ADDED ACTUATION	-	2	-	2	1	2	-	-
YELLOW	-	4	-	4	3	4	-	-
RED CLEAR	-	2	-	2	1	2	-	-
RED REVERT	-	-	-	-	-	-	-	-
WALK II	-	-	-	-	-	-	-	-

Phase Timing reflects initial operation.

**GENERAL NOTES**

Existing utilities and their locations, as shown on the plans, represent the best information obtainable for design. Location information has been obtained from record drawings or company provided field locations. The plan locations shown are not guaranteed. Additional existing utilities may also be encountered. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

The Contractor shall notify Westar Energy to coordinate enclosure service connection, meter installation, Joint Use street light installation and all other activities to complete the traffic signal installation. Fees associated with this work shall be the responsibility of the Contractor. Joint Use street lights to be served overhead by Westar Energy.

The Contractor shall stockpile the existing traffic signal, including all traffic signal heads, controller, poles, and signs, at the Job site. These items shall be removed by others. This work shall be Subsidiary to the Lump Sum Bid Item for Traffic Signals.

Joint Use luminaire's shown for information only. Luminaire, luminaire arm, and wiring, to be provided and installed by Westar Energy. Luminaire orientation to be aligned with mast arm and perpendicular with the curb.

Sta. 51+58, 53.5' Lt. Install Traffic Signal Pole (J.U.) w/42' Mast Arm Top Base Elev.=1309.80 See Sh. No. 67

Sta. 51+53, 59' Lt. Install Service Box See Sh. No. 68

Sta. 52+27, 59' Lt. Install Service Box See Sh. No. 68

Sta. 52+27, 54' Lt. Install Traffic Signal Pole (J.U.) w/42' Mast Arm Top Base Elev.=1309.85 See Sh. No. 67

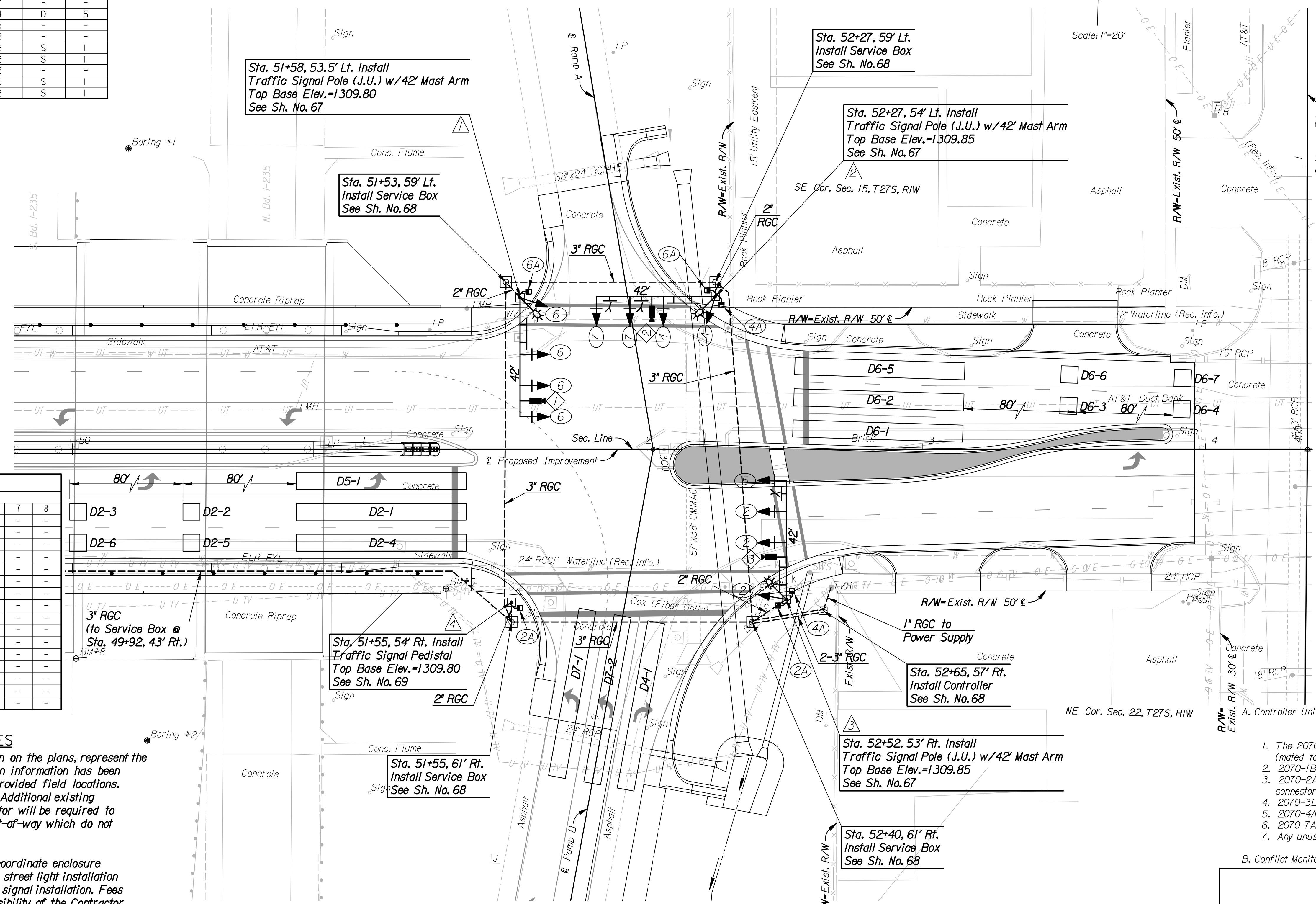
Sta. 51+55, 54' Rt. Install Traffic Signal Pedestal Top Base Elev.=1309.80 See Sh. No. 69

Sta. 51+55, 61' Rt. Install Service Box See Sh. No. 68

Sta. 52+65, 57' Rt. Install Controller See Sh. No. 68

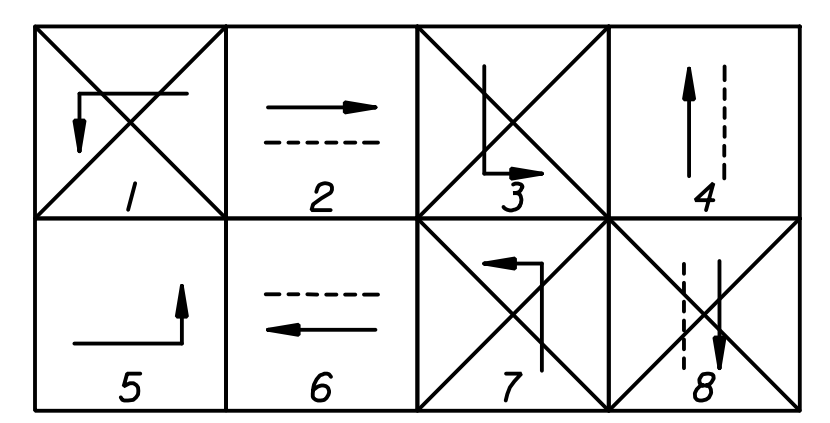
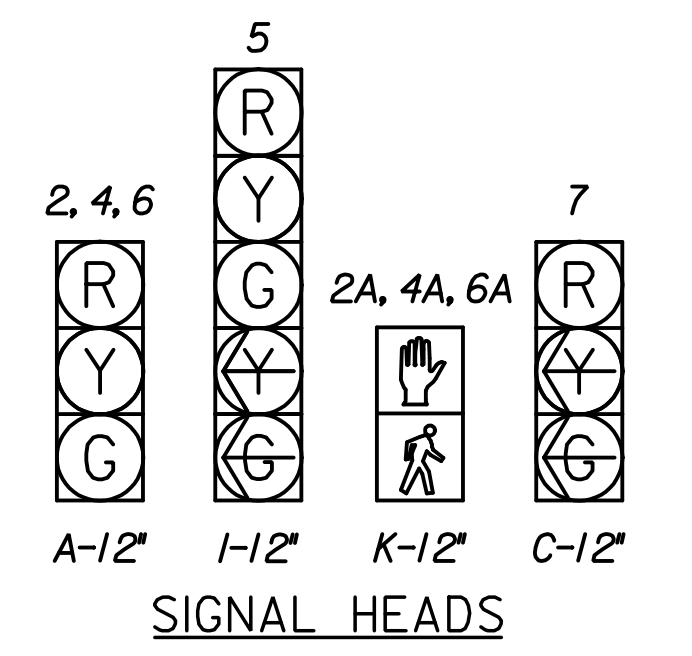
Sta. 52+52, 53' Rt. Install Traffic Signal Pole (J.U.) w/42' Mast Arm Top Base Elev.=1309.85 See Sh. No. 67

Sta. 52+40, 61' Rt. Install Service Box See Sh. No. 68



**LEGEND**

- 23' Traffic Signal Pole with Mast Arm & Length
- Traffic Signal Head
- Traffic Signal Head with Backplate
- Video Detection Camera
- Pedestrian Signal Head
- Controller with Pad
- D(Phase)-# Detector Zone
- Service Box (Pre-Fab)
- R10-10 Sign
- R10-12 Sign
- Rigid Galvanized Conduit (RGC)
- Signal Phase
- Signal Pole Reference Number
- Video Detection Camera Reference Number
- Street Name Sign
- Luminaire with Arm
- Meter and Enclosure



Note: Phase 4 and Phase 7 shall occur concurrently.

**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.

No.	Revision	By	Date
CENTRAL AVENUE			
<b>TRAFFIC SIGNAL PLAN</b>			
<b>CENTRAL AVENUE/I-235 N. BD.</b>			
JAMES L. ARMOUR, P.E.-CITY ENGINEER CITY OF WICHITA PROJECT NO. 472-84639			
<b>Professional Engineering Consultants, P.A.</b>			
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Designed by	BER	Job No.	06655
Drawn by	DRP	Date	Jan. 2008
			Sht. 65 of 142

DSNR: WDH OPER: DRP SCALE: 1"=20'  
 I:/2006/06655/SIGNAL/06655-SIG235.DGN LAST REV: 1-7-2008 BY: DRP