

CP#301 Found 3/4" iron pipe near surface at SE corner 21st St. N. & Greenleaf Rd. N 1,699,418.1074 E 1,679,921.7081

CP#302 Found #4 bar w/PEC cap near surface at SW corner 21st St. N. & Greenleaf Rd. N 1,699,417.2870 E 1,679,861.5341

CP#303 Found #4 bar, no cap near surface 125' ± W of Pt. # 302 N 1,699,415.5638 E 1,679,736.9160

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

Detector Summary reflects initial operation.

FUNCTION	PHASE							
	1	2	3	4	5	6	7	8
VEHICLE RECALL	-	X	-	-	X	-	-	-
PED RECALL	-	-	-	-	-	-	-	-
RED LOCK	-	-	-	-	-	-	-	-
YELLOW LOCK	X	-	X	-	X	-	X	-
PERMIT	X	X	-	X	X	X	-	X
PED PHASES	-	X	-	-	X	-	-	-
LEAD PHASES	X	-	X	-	X	-	X	-
DOUBLE ENTRY	-	X	-	X	-	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.

FUNCTION	PHASE TIMING							
	1	2	3	4	5	6	7	8
MAX. I	30	80	-	40	30	80	-	40
MAX. II/HFDW	30	80	-	40	30	80	-	40
WALK	-	7	-	7	-	7	-	7
FLASH DW	-	24	-	24	-	24	-	24
MAX. INITIAL	6	8	-	8	6	8	-	8
MIN. GREEN	5	8	-	8	5	8	-	8
T B R	1	25	-	25	1	25	-	25
T T R	1	15	-	15	1	15	-	15
OBSERVE GAP	-	-	-	-	-	-	-	-
PASSAGE	1	2	-	2	1	2	-	2
MIN. GAP	1	1	-	1	1	1	-	1
ADDED ACTUATION	1	2	-	2	1	2	-	2
YELLOW	3	4	-	3.5	3	4	-	3.5
RED CLEAR	1	2	-	2	1	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.

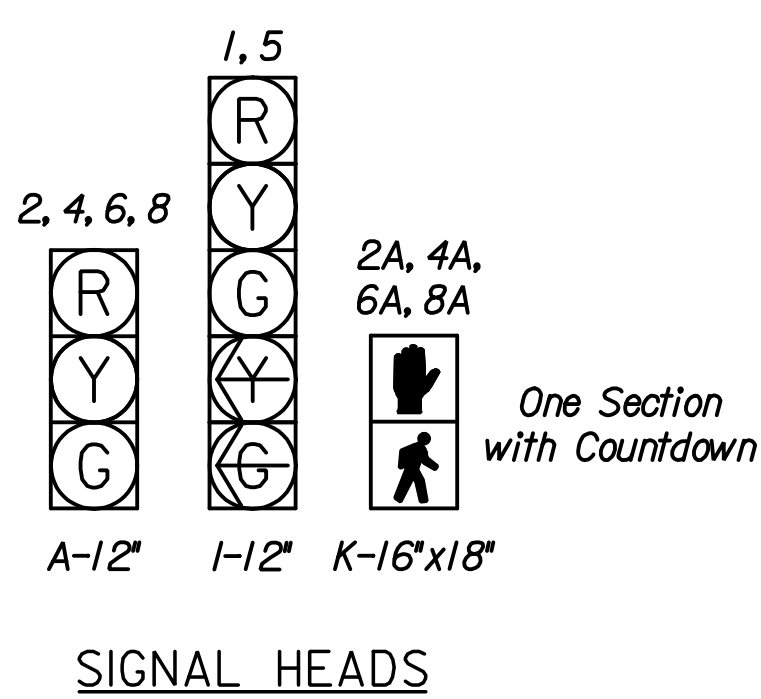
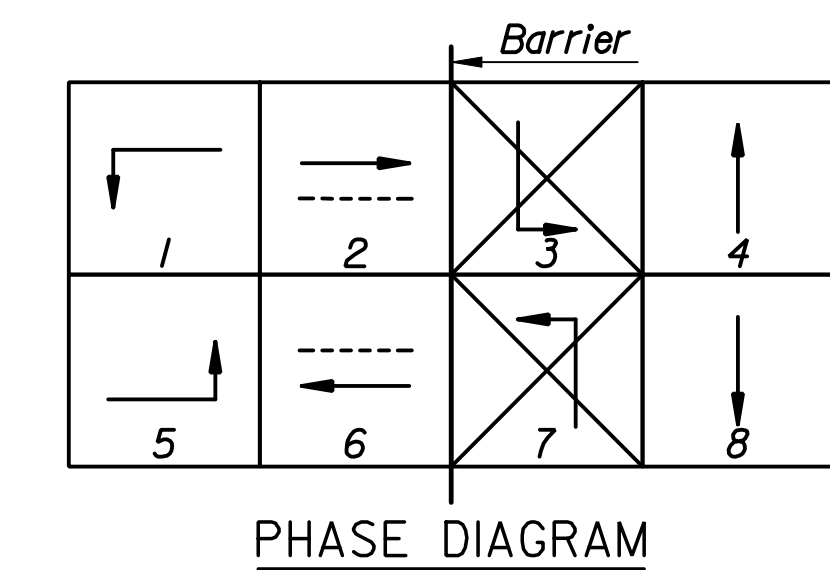
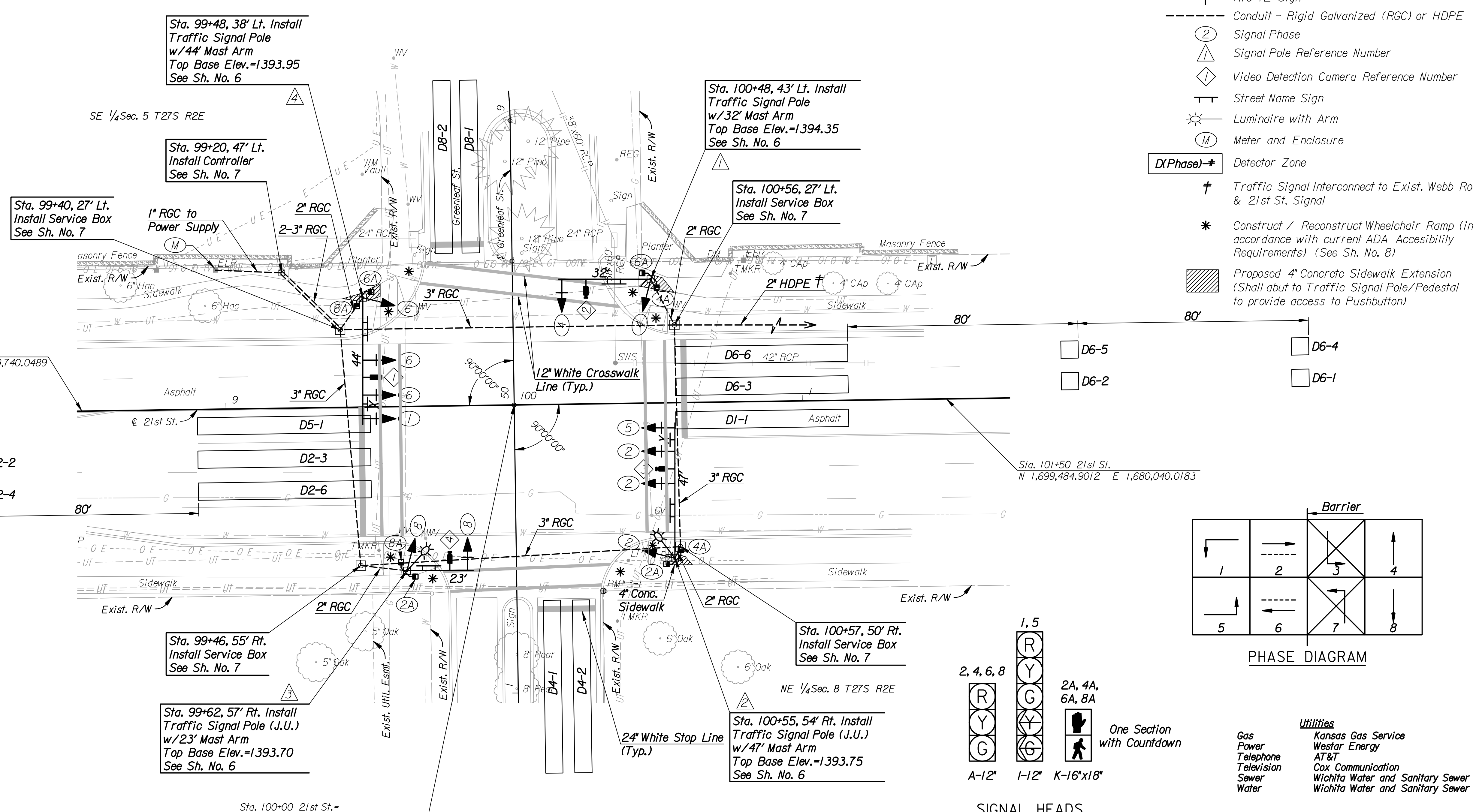
B. Conflict Monitor: The Conflict Monitor supplied shall be 2010 ECL conflict monitor.

Datum BM#3 C.O.W. BM Webb Rd. & 21st St. N. NE corner concrete vault, 415' ± W & 77.2' ± N of Ctr. of intersection Elev. 1393.10

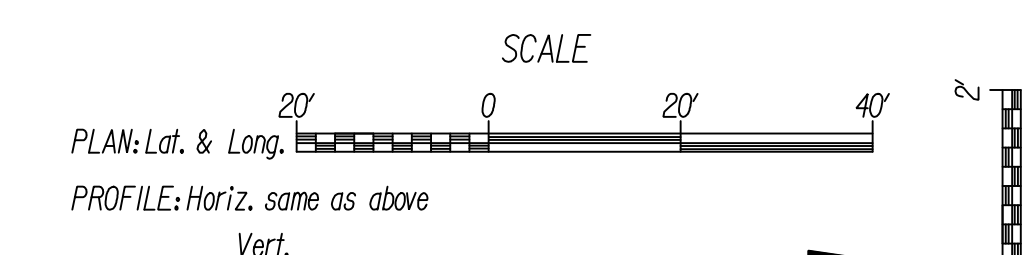
BM#3-1 Found Chis. Top of curb, curb return, SE corner 21st St. & Greenleaf Rd. Elev. 1393.94

LEGEND

- 23' Traffic Signal Pole with Mast Arm & Length
- Traffic Signal Pedestal
- Traffic Signal Head
- Traffic Signal Head with Backplate
- Video Detection Camera
- Pedestrian Signal Head
- Controller with Pad
- Service Box (Pre-Fab)
- R10-12 Sign
- Conduit - Rigid Galvanized (RGC) or HDPE
- Signal Phase
- Signal Pole Reference Number
- Video Detection Camera Reference Number
- Street Name Sign
- Luminaire with Arm
- Meter and Enclosure
- D(Phase)-# Detector Zone
- Traffic Signal Interconnect to Exist. Webb Road & 21st St. Signal
- Construct / Reconstruct Wheelchair Ramp (in accordance with current ADA Accessibility Requirements) (See Sh. No. 8)
- Proposed 4" Concrete Sidewalk Extension (Shall abut to Traffic Signal Pole/Pedestal to provide access to Pushbutton)



- Utilities**
- Gas: Kansas Gas Service
 - Power: Westar Energy
 - Telephone: AT&T
 - Sewer: Cox Communication
 - Water: Wichita Water and Sanitary Sewer



No.	Revision	By	Date
21ST STREET & GREENLEAF STREET			
TRAFFIC SIGNAL PLAN			
JAMES L. ARMOUR, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 472-84720 PHASE I			
Professional Engineering Consultants, P.A. 303 S. TOPKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	DRM	Job No.	08521
Drawn by	DRP	Date	Dec. 2008
			Sht. 2 of 8

DSNR: DRM OPER: DRP SCALE: 1"=20' DATE: 12/11/08
 I:\2008\08521\PLAN\08521-21st.dgn LAST REV: 9-12-2008 BY: drp