CONTROLLER DESCRIPTION

The Traffic Signal Controller shall comply with the requirements defined in the Specifications for a Type 170E Controller with 412b2 prom module and a 400 modem. It shall be furnished and installed with a Model 332 cabinet, 2-type 242 isolator units, 12- type c800 detector units, 10 switch packs, 2-type 204 flashers, 4 flash transfer relay, and a Model 210P conflict monitor MS or ECL. The Controller shall also be furnished with W4IKS Version 53A or latest version of software developed by WAPITI MICRO SYSTEMS.

COMMUNICATION CABLE

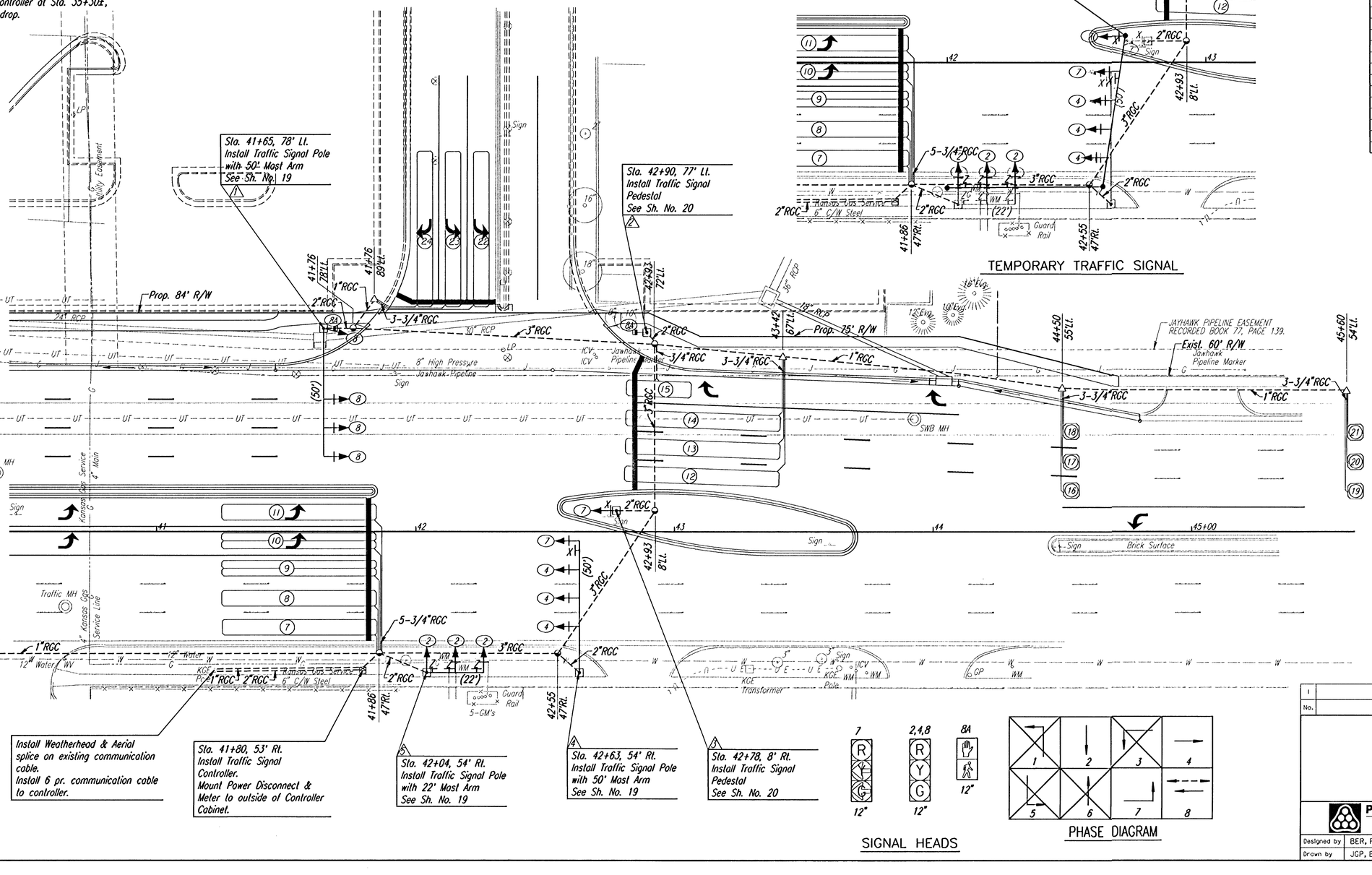
The Contractor shall disconnect the communication cable from the signal controller at Sta. 35+30±, remove weatherhead & drop. Replace aerial splice.

TEMPORARY TRAFFIC SIGNAL

The Contractor shall install a temporary traffic signal, to operate in the same fashion and with the loop detection as the proposed permanent traffic signal; to be functional prior to Stage 4 construction; and to remain in operation until the permanent signal is in operation. The temporary traffic signal shall be installed on wood poles and span wire in general conformance with the layout shown. This work shall be paid for at the contract lump sum price bid for "Temporary Traffic Signal", which price shall be considered full compensation for furnishing, installing, and operating the temporary traffic signal, including all equipment, tools, labor, power, and incidentals necessary for the complete installation and operation of the temporary traffic signal.

PEC

SCALE: 1"=20'



TEMPORARY TRAFFIC SIGNAL

SIGNAL HEADS

PHASE DIAGRAM

PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-83222	17	32

LOOP DETECTOR SUMMARY

LOOP NO.	SIZE (WxL)	NO. OF TURNS	PHASE CALLED	DETECTOR NO.
1	6x6	4	4	I-6-DE
2	6x6	4	4	I-6-DE
3	6x6	4	4	I-6-DE
4	6x6	4	4	I-6-JK
5	6x6	4	4	I-6-JK
6	6x6	4	4	I-6-JK
7	6x60	3	4	I-7-DE
8	6x60	3	4	I-7-DE
9	6x60	2-4-2	4	I-7-DE
10	6x60	2-4-2	7	J-5-DE
11	6x60	3	7	J-5-DE
12	6x60	3	8	J-7-DE
13	6x60	3	8	J-7-DE
14	6x60	3	8	J-7-DE
15	6x25	3	8	J-7-DE
16	6x6	4	8	J-6-JK
17	6x6	4	8	J-6-JK
18	6x6	4	8	J-6-JK
19	6x6	4	8	J-6-DE
20	6x6	4	8	J-6-DE
21	6x6	4	8	J-6-DE
22	6x60	3	2	J-1-DE
23	6x60	3	2	J-1-DE
24	6x60	3	2	I-3-DE

FUNCTION TABLE

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
PED PHASES								X
LEAD PHASES	X		X		X		X	
DOUBLE ENTRY								
SEQUENCIAL TIMING								
START-UP YELLOW		X						
OVERLAP A								
OVERLAP B								
OVERLAP C								
OVERLAP D								
EXCLUSIVE								
SIMULTANEOUS GAP								

LEGEND

- Traffic Signal Pole with Mast Arm
- Traffic Signal Pedestal
- Luminaire with Arm
- Traffic Signal Head
- Traffic Signal Head with Backplate
- Pedestrian Signal Head
- Controller with pad
- Service Box
- Junction Box
- (27) Detector Loop
- Detector Loop (Quadrapole)
- R10-10 Sign
- R3-5 (L or R) Sign
- Rigid Galvinized Conduit (RGC)
- (27) Signal Phase
- Signal Pole Reference Number
- Street Name Sign

No.	Revisions	By	Date
1			

CITY OF WICHITA, KANSAS

ROCK ROAD TRAFFIC SIGNALS

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by	BER, PMM	Checked by	
Drawn by	JGP, BJS	Date	MARCH 2000
		Job No.	99687-1

DSNR: PMM OPER: BJS SCALE: 1"=20' Date Plotted 6-29-2000
I:/1999/99687/001/signalpl.dgn