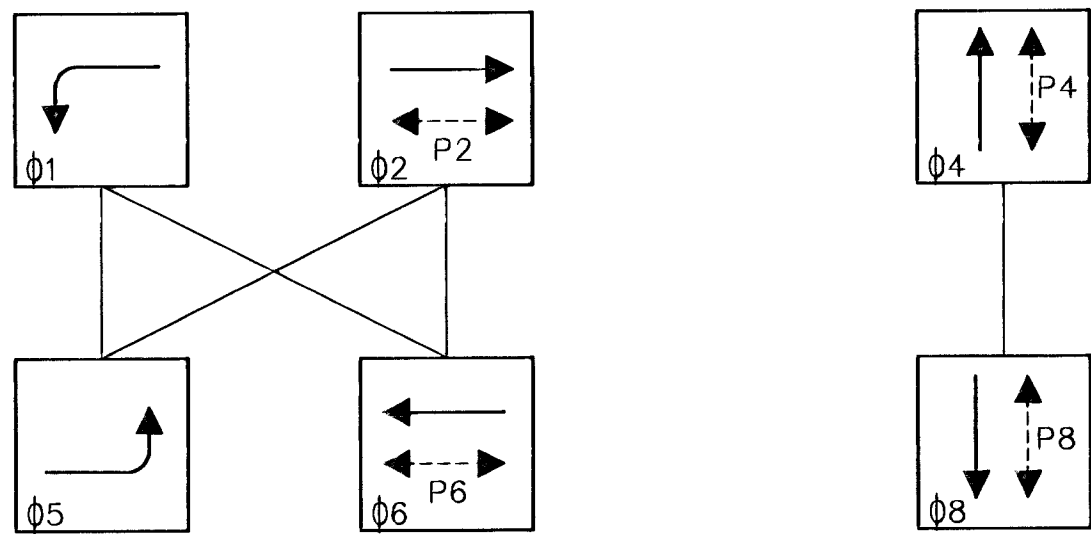
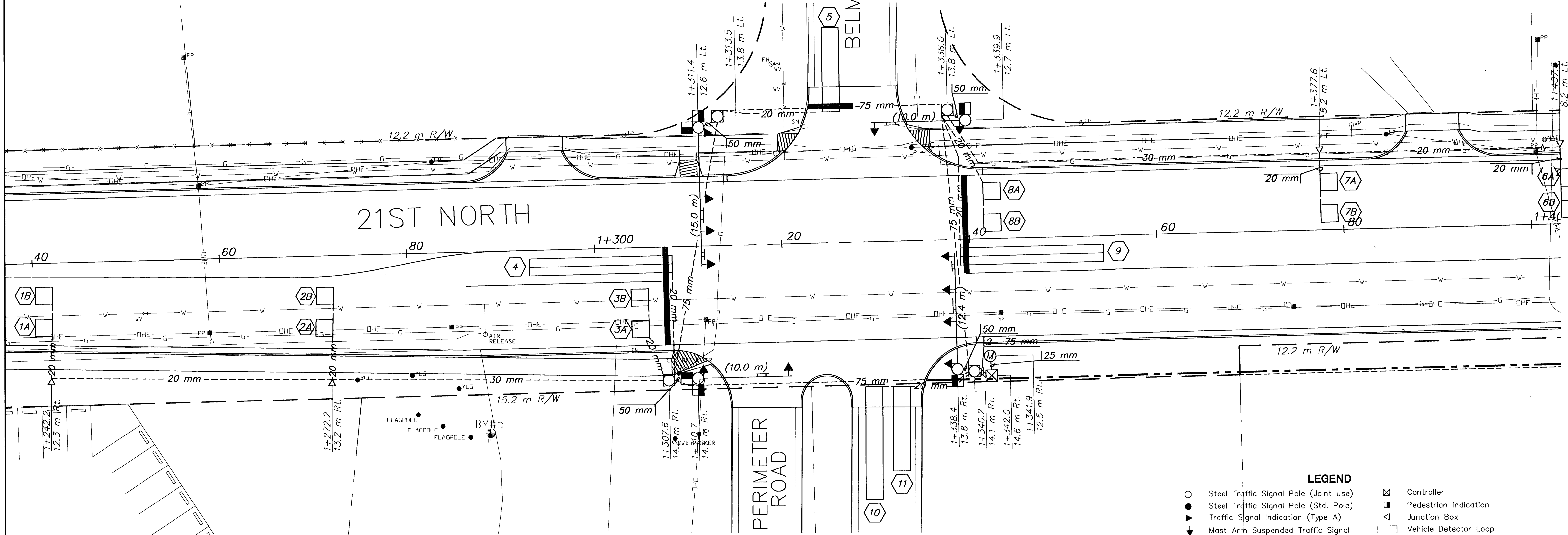


DATE	
BY	
REFERENCES NOTED	
REFERENCES CHECKED	



21ST
BELMONT DR/PERIMETER ROAD
SIGNAL PHASING

SCALE: 1:200



FHWA REG NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87-N-0200-01	2001	45	78

GENERAL NOTES

- Conduit shall be jacked or bored if not installed before placing of new pavement.
- Placement of Service/Junction Boxes, Conduit Runs and Controller are typical and may be adjusted as directed by the Engineer to facilitate installation.
- The Contractor shall contact utility companies which may be affected by the installation of Traffic Signalization prior to any construction.
- KCE Power Pole Baseline Sta. 1+341.9, 12.5 m Rt. Install Meter and Power Disconnect. See Power Pole Details. 4311 E. 21st.
- The Detector Loops should be adjusted so that the Loops do not begin or end within 300 mm of a Transverse Joint.
- See Signal Pole Details for additional Traffic Signal Structures requirements.

LEGEND

- Steel Traffic Signal Pole (Joint use)
- Steel Traffic Signal Pole (Std. Pole)
- ◁ Traffic Signal Indication (Type A)
- Mast Arm Suspended Traffic Signal
- Service Box
- ⊠ Controller
- ▣ Pedestrian Indication
- ◁ Junction Box
- ▭ Vehicle Detector Loop
- ⑦ Detector Number
- Rigid Galvanized Conduit (RGC)
- Ⓜ Meter Box and Power Disconnect
- TT Overhead Street Name Sign
- TT Overhead Sign R10-10L (L.T. Signal)

DETECTORS			
LOOP NO.	SIZES (W x L)	NO. OF TURNS	MOVEMENT CALLED
1A, 1B	1.8mx1.8m	4	1
2A, 2B	1.8mx1.8m	4	1
3A, 3B	1.8mx1.8m	4	1
4	1.8mx15m	2-4-2	2
5	1.8mx9m	4	6
6A, 6B	1.8mx1.8m	4	4
7A, 7B	1.8mx1.8m	4	4
8A, 8B	1.8mx1.8m	4	4
9	1.8mx15m	2-4-2	5
10	1.8mx12m	4	3
11	1.8mx9m	4	3

TYPE 170 CONTROLLER SETTINGS																		
"WAPITI PROGRAM"								NORMAL DISPLAY										
INTERVAL	PHASE							TIME	CLOCK	FEATURES								
	1 WBLT	2 EB	3 SBLT	4 NB	5 EBLT	6 WB	7 NBLT			8 SB		1	2	3	4	5	6	7
MAX	0	30	80		30	30	80	30	0	YEAR	VEH RECALL		X				X	
MAX 2	1	30	80		30	30	80	30	1	MONTH	PED RECALL							
WALK	2		8				8	8	2	DAY/MONTH	RED LOCK							
FL. DW.	3		15				15	15	3	DAY/WEEK	YEL LOCK		X	X	X	X	X	
MAX INIT.	4	6	10		6	6	10	6	4	HOUR	Ø PERMIT	X	X	X	X	X	X	
MIN GREEN	5	5	8		5	5	8	5	5	MINUTE	PED PHASES		X	X		X	X	
TBR	6	1			1	1		1	6	SECOND	LEAD PHASES	X	X	X	X	X	X	
TTR	7	1			1	1		1	7		DBL ENTRY							
	8								8		SEQUENTIAL							
PASSAGE	9	1.0	2.5		1.0	1.0	2.5	1.0	9		START UP YEL							
MIN GAP	a	1.0	1.5		1.0	1.0	1.5	1.0	a		OVERLAP A							
ADD ACT	b	1.0	2.0		1.0	1.0	2.0	1.0	b		OVERLAP B							
YELLOW	c	3.0	4.0		3.0	3.0	4.0	3.0	c		OVERLAP C							
RED CLR.	d	1.0	2.0		1.0	2.0	1.0	1.0	d		OVERLAP D							
RED REV.	e								e		EXCLUSIVE							
WALK II	f								f		SIM GAP							

2					
1					
NO.	DATE	REVISIONS	BY	APP'D	
KANSAS DEPARTMENT OF TRANSPORTATION					
21ST STREET NORTH					
21ST & BELMONT DR. SIGNAL PLAN					
PROJ. NO. 87-N-0200-01			SEDGWICK CO.		
MKEC ENGINEERING CONSULTANTS, INC.					
WICHITA, KANSAS					
DESIGNED BY:	DFL	CHECKED BY:	GJA		
DRAWN BY:	DAG	DATE: JUNE 2001	SHEET	45	OF 78