

DETECTOR SUMMARY							
CAMERA NO.	DETECTION ZONE	MODE	SIZE (LxW)	PHASE CALLED	PHASE EXTENDED	DELAY/STRETCH TIMER	INITIAL SETTING (SEC.)
1	1-1	Pulse	1.8x1.8	1	1	Stretch	7.0
2	5-1	Pulse	1.8x1.8	5	5	Stretch	7.0
3	8-1	Presence	9.0x4.0	4	4	Delay	10.0
4	4-1	Presence	9.0x4.0	4	4	Delay	10.0

TRAFFIC CONTROLLER DESCRIPTION

The Traffic Signal Controller shall comply with the requirements defined in the Specifications for a Type 170E Controller with 412b prom module and a 400 modem. It shall be furnished and installed with a Model 336 cabinet, 2-type 242 isolator units, 1 video detection unit, 6 switch packs, 2-type 204 flashers, and a Model 210P conflict monitor MS or ECL. The Controller shall also be furnished with WAIKS Version 58 or latest version of software developed by WAPITI MICRO SYSTEMS.

All Signal System components shall comply with Part 700 of The City of Wichita Standard Specifications.

Install Meter & Disconnect Box. Coordinate with KGE for Power Connection.

NOTE: For actual location of Traffic Signal Poles and Manholes, See Lighting Plans.

Sta. 14+793 Install Traffic Signal Pole (Joint Use) with 18.3 m Mast Arm, 21.0 m Lt. See Sh. No. 656, 665

Sta. 14+830 Install Traffic Signal Pole with 14.6 m Mast Arm, 22.5 m Lt. See Sh. No. 656, 665

Sta. 14+793 Install Traffic Signal Pole with 14.0 m Mast Arm, 20.5 m Lt. See Sh. No. 656, 665

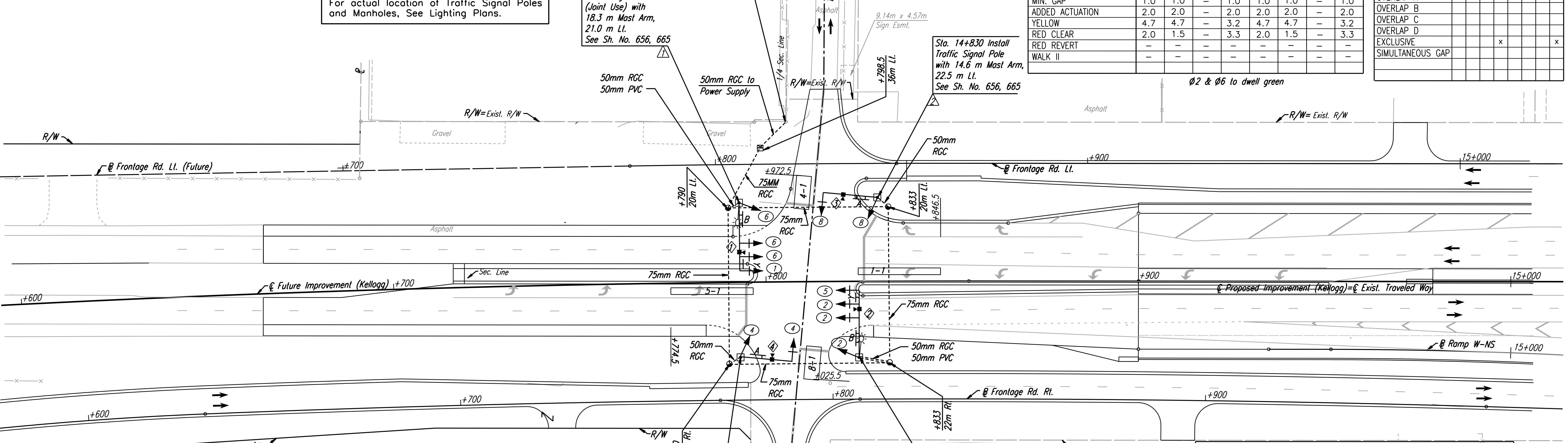
Sta. 14+825 Install Traffic Signal Pole (Joint Use) with 17.7 m Mast Arm, 20.5 m Rt. See Sh. No. 656, 665

	Kellogg & 111th St.							
	PHASE							
	1	2	3	4	5	6	7	8
MAX. I	20	180	-	20	30	180	-	20
MAX. II/HFDW	20	180	-	20	30	180	-	20
WALK	-	-	-	-	-	-	-	-
FLASH DW	-	-	-	-	-	-	-	-
MAX. INITIAL	8.0	8.0	-	8.0	8.0	8.0	-	8.0
MIN. GREEN	8.0	40	-	8.0	8.0	40	-	8.0
T B R	20	180	-	20	40	180	-	20
T T R	-	-	-	-	-	-	-	-
OBSERVE GAP	-	-	-	-	-	-	-	-
PASSAGE	1.0	1.0	-	1.0	1.0	1.0	-	1.0
MIN. GAP	1.0	1.0	-	1.0	1.0	1.0	-	1.0
ADDED ACTUATION	2.0	2.0	-	2.0	2.0	2.0	-	2.0
YELLOW	4.7	4.7	-	3.2	4.7	4.7	-	3.2
RED CLEAR	2.0	1.5	-	3.3	2.0	1.5	-	3.3
RED REVERT	-	-	-	-	-	-	-	-
WALK II	-	-	-	-	-	-	-	-

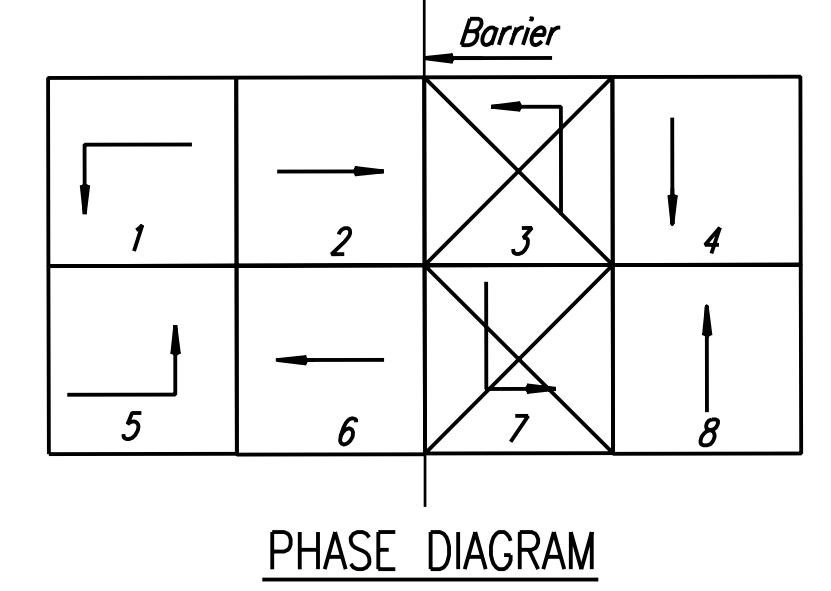
FUNCTION	PHASE							
	1	2	3	4	5	6	7	8
VEHICLE RECALL		x						x
PED RECALL								
RED LOCK								
YELLOW LOCK	x	x		x	x	x		x
PERMIT	x	x		x	x	x		x
PED PHASES								
LEAD PHASES	x		x		x		x	
DOUBLE ENTRY			x				x	
SEQUENTIAL TIMING								
START-UP YELLOW					x			x
OVERLAP A								
OVERLAP B								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

DATE	
BY	
REFERENCES NOTED	
REFERENCES CHECKED	

① Detection Zones shall be adjusted to avoid detecting Cross-Traffic



RECAPITULATION OF TRAFFIC SIGNAL QUANTITIES		
ITEM	QUANTITY	UNIT
TRAFFIC SIGNAL INSTALLATION KELLOGG AND 111TH ST	LUMP SUM	LUMP SUM
TRAFFIC SIGNAL INSTALLATION KELLOGG AND MAIZE NORTH INTERSECTION	LUMP SUM	LUMP SUM
TRAFFIC SIGNAL INSTALLATION KELLOGG AND MAIZE SOUTH INTERSECTION	LUMP SUM	LUMP SUM
TRAFFIC SIGNAL INSTALLATION KELLOGG AND TYLER NORTH INTERSECTION	LUMP SUM	LUMP SUM
TRAFFIC SIGNAL INSTALLATION KELLOGG AND TYLER SOUTH INTERSECTION	LUMP SUM	LUMP SUM
TRAFFIC SIGNAL MODIFICATION TYLER AND MCCORMICK	LUMP SUM	LUMP SUM

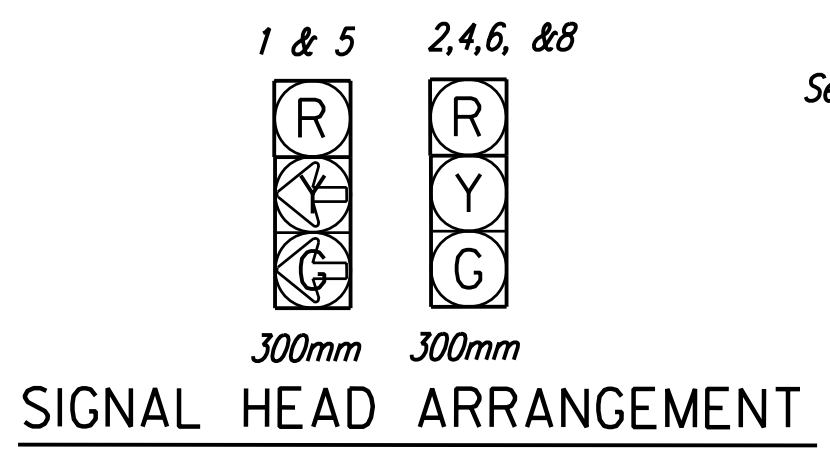


Note: Ø4 & Ø8 shall not run concurrently.

APPROVED SUBMITTALS:
 No. 57.1-Traffic Signal Equipment.
 No. 57.2-Misc. Traffic Signal Equipment (Conduit, Wire and Boxes).
 No. 57.3-Traffic Signal Poles.

SERVICE BOX SUMMARY		
STATION	DIST.	SIDE
15+790	22m	RT.
15+790	20m	LT.
15+833	22m	RT.
15+833	20m	LT.

- LEGEND**
- ☐ Traffic Signal Pole with Mast Arm
 - ☐ Traffic Signal Pedestal
 - ☀ Luminaire with Arm (See Lighting Plan)
 - ☛ Traffic Signal Head
 - ☛ Traffic Signal Head with Backplate
 - ☛ Pedestrian Signal Head
 - ☛ Controller with pad
 - ☛ Service Box
 - ☛ Traffic Signal Camera
 - 1-1 ☐ Camera Zone
 - 1-1 ☐ Camera Zone
 - ☛ R10-10 Sign
 - ☛ R10-12 Sign
 - Rigid Galvanized Conduit (RGC)
 - ② Signal Phase
 - ☛ Signal Pole Reference Number
 - ☛ Street Name Sign "Kellogg"
 - ☛ Camera Reference Number



UTILITIES
 See Plan Sheet for Utilities.
RECORD DRAWING

No.	Revisions	By	Date

CITY OF WICHITA
TRAFFIC SIGNAL PLAN
 KELLOGG & 111TH ST. WEST
 SEDGWICK COUNTY

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

Designed by: RPG
 Checked by: BER
 Drawn by: JSB
 Date: April 2002
 Job No.: 97362

DSNR: OPER: JGP SCALE: 1:500 i:/1997/97362/As-Builts/dgn s/Vol_3/Sh 655-Signals-111th.dgn Last Rev: 9-19-07 By: gdr