

DETECTOR SUMMARY - North Intersection

CAMERA NO.	DETECTION ZONE	MODE	SIZE (LxW)	PHASE CALLED	PHASE EXTENDED	DELAY/STRETCH TIMER	INITIAL SETTING (SEC.)
3	4-1	Presence	15x1.8	4	4		
3	4-2	Presence	15x1.8	4	4		
3	7-1	Presence	15x1.8	7	7		
4	8-1,2,3,4	Pulse	1.8x1.8	8	8	Stretch	1.0
4	8-5,6,7,8	Pulse	1.8x1.8	8	8	Stretch	1.0
4	8-9	Presence	18x1.8	8	8		
4	8-10	Presence	18x1.8	8	8		
4	8-11	Presence	18x1.8	8	8		
4	8-12	Presence	18x1.8	8	8		
6	6-1	Presence	15x1.8	6	6		
6	6-2	Presence	15x1.8	6	6		
6	6-3	Presence	15x1.8	6	6		
6	6-4,5,6	Pulse	1.8x1.8	6	6	Stretch	1.0
6	6-7,8,9	Pulse	1.8x1.8	6	6	Stretch	1.0

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

DETECTOR SUMMARY - South Intersection

CAMERA NO.	DETECTION ZONE	MODE	SIZE (LxW)	PHASE CALLED	PHASE EXTENDED	DELAY/STRETCH TIMER	INITIAL SETTING (SEC.)
1	8-1	Presence	15x1.8	8	8		
1	8-2	Presence	15x1.8	8	8		
1	3-1	Presence	15x1.8	3	3		
1	3-2	Presence	15x1.8	3	3		
2	2-1,2,3	Pulse	1.8x1.8	2	2	Stretch	1.0
2	2-4,5,6	Pulse	1.8x1.8	2	2	Stretch	1.0
2	2-7	Presence	15x1.8	2	2		
2	2-8	Presence	15x1.8	2	2		
2	2-9	Presence	15x1.8	2	2		
5	4-1	Presence	18x1.8	4	4		
5	4-2	Presence	18x1.8	4	4		
5	4-3	Presence	18x1.8	4	4		
5	4-4,5,6	Pulse	1.8x1.8	4	4	Stretch	1.0
5	4-7,8,9	Pulse	1.8x1.8	4	4	Stretch	1.0

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

TRAFFIC CONTROLLER DESCRIPTION NORTH INTER.

The Traffic Signal Controller shall comply with the requirements defined in the Specifications for a Type 170E Controller with 412 prom module and a 400 modem. They 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, 3 flash transfer relay, and a Model 210P conflict monitor MS or ECL. The Controller shall also be furnished with WAKS Version 58 or latest version of software developed by WAPITI MICRO SYSTEMS.

A street master shall be installed within the controller cabinet. It shall be a type 170 controller unit, running W70SM. It shall be capable of no less than 9 independent programs. Program and Time settings shall be furnished by the Owner.

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

TRAFFIC CONTROLLER DESCRIPTION SOUTH INTER.

The Traffic Signal Controller shall comply with the requirements defined in the Specifications for a Type 170E Controller with 412 prom module and a 400 modem. They 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, 3 flash transfer relay, and a Model 210P conflict monitor MS or ECL. The Controller shall also be furnished with WAKS 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.

PHASING & TIMING

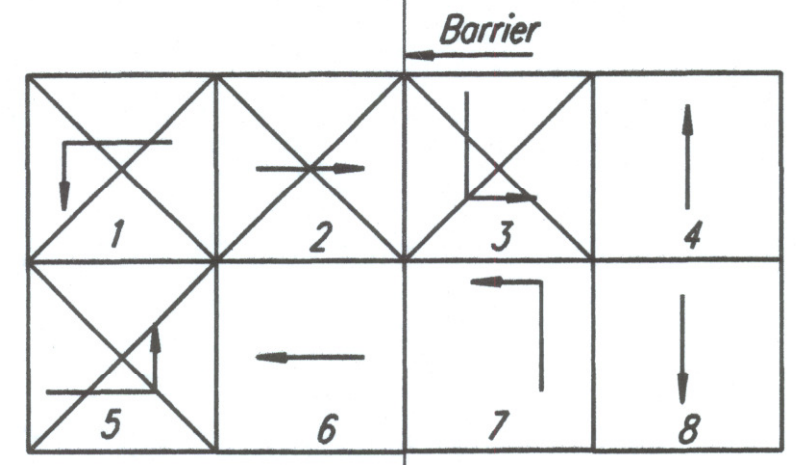
The Contractor shall arrange for a "Bench" test of the traffic signal system with phase timing programs furnished by the City Engineer. This testing shall be performed at a location in the City of Wichita and shall demonstrate the signal operation including the various phase timing plans provided by the City Engineer.

FUNCTION TABLE - North Intersection

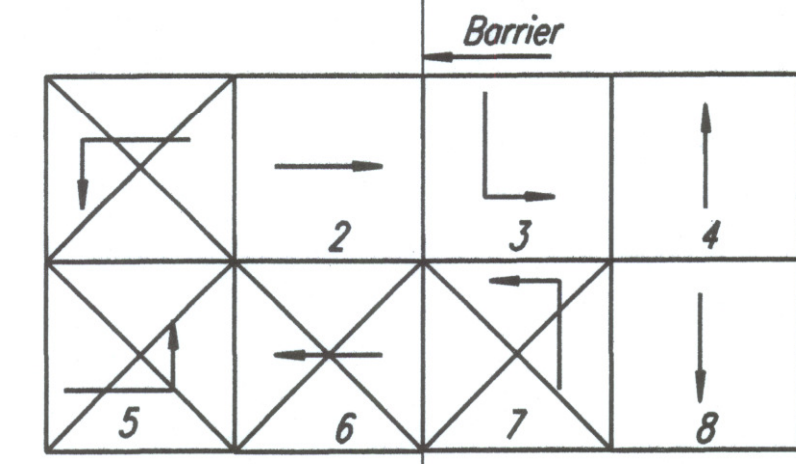
FUNCTION	PHASE							
	1	2	3	4	5	6	7	8
VEHICLE RECALL								
PED RECALL								
RED LOCK								
YELLOW LOCK								
PERMIT								
PED PHASES								
LEAD PHASES	x							
DOUBLE ENTRY								
SEQUENTIAL TIMING								
START-UP YELLOW								
OVERLAP A								
OVERLAP B								
OVERLAP C								
OVERLAP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

FUNCTION TABLE - South Intersection

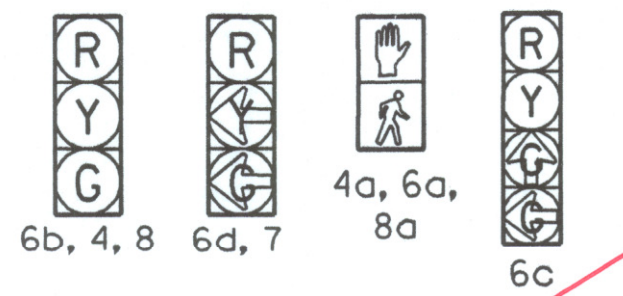
FUNCTION	PHASE							
	1	2	3	4	5	6	7	8
VEHICLE RECALL								
PED RECALL								
RED LOCK								
YELLOW LOCK								
PERMIT								
PED PHASES								
LEAD PHASES	x							
DOUBLE ENTRY								
SEQUENTIAL TIMING								
START-UP YELLOW								
OVERLAP A								
OVERLAP B								
OVERLAP C								
OVERLAP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



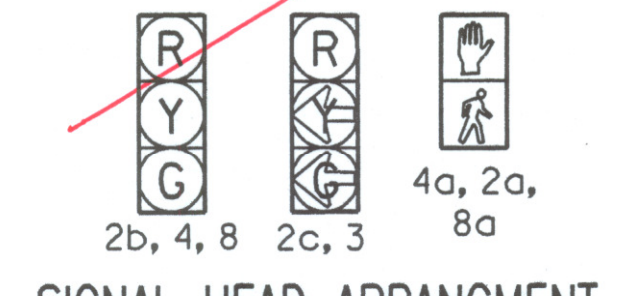
PHASE DIAGRAM NORTH INTERSECTION



PHASE DIAGRAM SOUTH INTERSECTION



SIGNAL HEAD ARRANGMENT NORTH INTERSECTION



SIGNAL HEAD ARRANGMENT SOUTH INTERSECTION

- 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
 - ☐ Street Name Sign "Kellogg"
 - ☐ Camera Reference Number
 - ☐ Street Name Sign "Maize"

