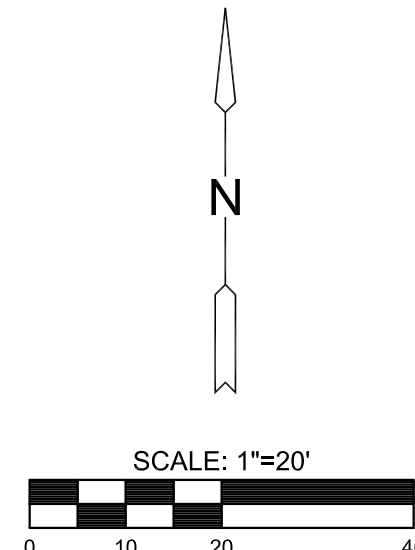
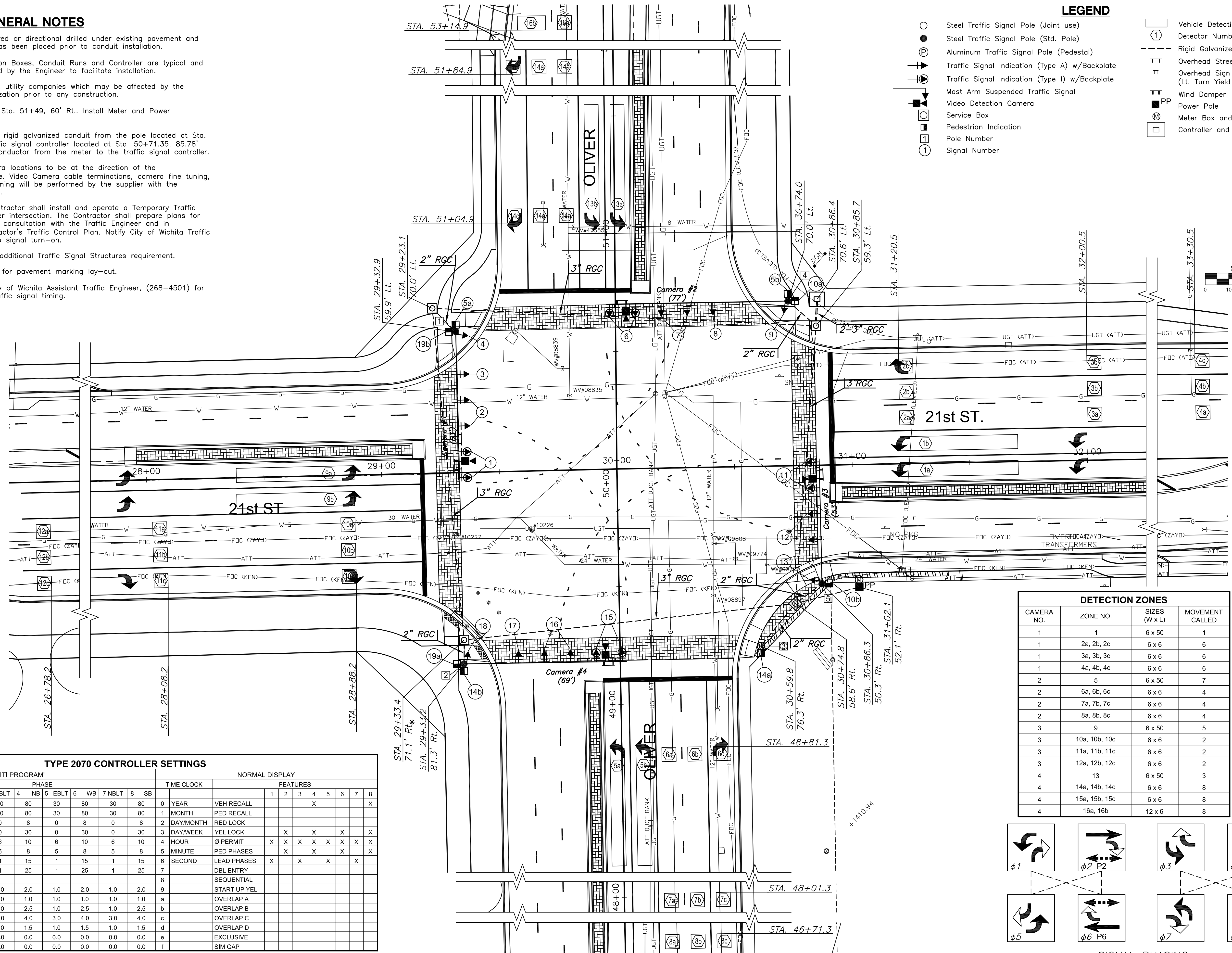


**GENERAL NOTES**

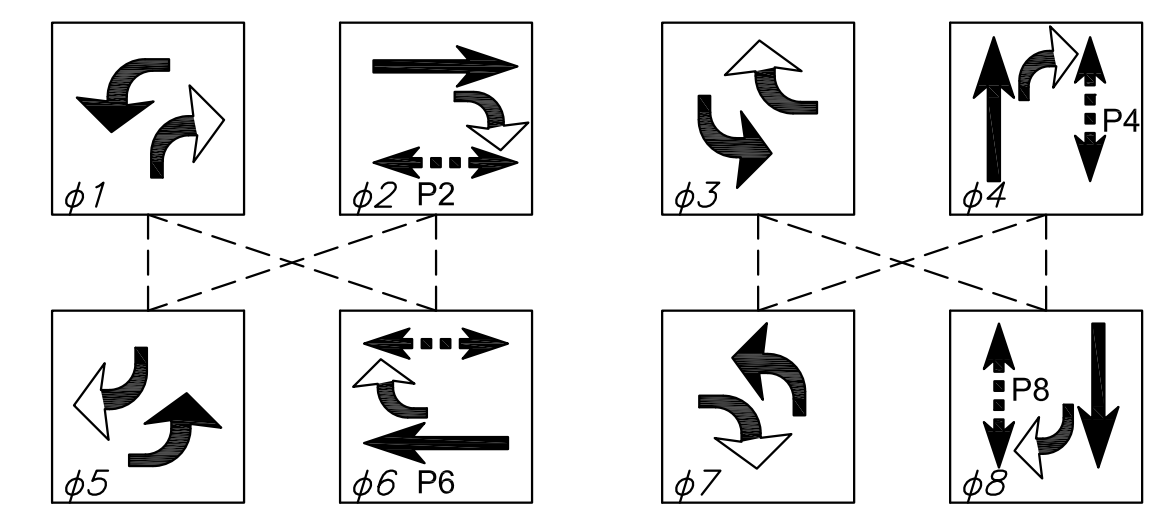
- Conduit shall be jacked, bored or directional drilled under existing pavement and under new pavement that has been placed prior to conduit installation.
- Placement of Service/Junction Boxes, Conduit Runs and Controller are typical and may be adjusted as directed by the Engineer to facilitate installation.
- The Contractor shall contact utility companies which may be affected by the installation of Traffic Signalization prior to any construction.
- Westar Power Pole Baseline Sta. 51+49, 60' Rt.. Install Meter and Power Disconnect.
- Contractor shall install a 1" rigid galvanized conduit from the pole located at Sta. 51+49, 60' Rt., to the traffic signal controller located at Sta. 50+71.35, 85.78' Rt., to carry the metered conductor from the meter to the traffic signal controller.
- Exact Video Detection Camera locations to be at the direction of the Manufacturer's Representative. Video Camera cable terminations, camera fine tuning, system setup, and programming will be performed by the supplier with the assistance of the contractor.
- During construction, the Contractor shall install and operate a Temporary Traffic Signal at the 21st and Oliver intersection. The Contractor shall prepare plans for Temporary Traffic Signals in consultation with the Traffic Engineer and in conformance with the Contractor's Traffic Control Plan. Notify City of Wichita Traffic Maintenance 7-days prior to signal turn-on.
- See Signal Pole Details for additional Traffic Signal Structures requirement.
- See Pavement Marking Plan for pavement marking lay-out.
- Contact Lee Carmichael, City of Wichita Assistant Traffic Engineer, (268-4501) for coordination of proposed traffic signal timing.

**LEGEND**

- Steel Traffic Signal Pole (Joint use)
- Steel Traffic Signal Pole (Std. Pole)
- Aluminum Traffic Signal Pole (Pedestal)
- ⊕ Traffic Signal Indication (Type A) w/Backplate
- ⊕ Traffic Signal Indication (Type I) w/Backplate
- ⊕ Mast Arm Suspended Traffic Signal
- ⊕ Video Detection Camera
- ⊕ Service Box
- ⊕ Pedestrian Indication
- ⊕ Pole Number
- ⊕ Signal Number
- ⊕ Vehicle Detection Zone
- ① Detector Number
- ⊕ Rigid Galvanized Conduit (RGC)
- ⊕ Overhead Street Name Sign
- ⊕ Overhead Sign R10-10 (Lt. Turn Yield on Green)
- ⊕ Wind Damper
- ⊕ PP Power Pole
- ⊕ Meter Box and Power Disconnect
- ⊕ Controller and Pad



DETECTION ZONES			
CAMERA NO.	ZONE NO.	SIZES (W x L)	MOVEMENT CALLED
1	1	6 x 50	1
1	2a, 2b, 2c	6 x 6	6
1	3a, 3b, 3c	6 x 6	6
1	4a, 4b, 4c	6 x 6	6
2	5	6 x 50	7
2	6a, 6b, 6c	6 x 6	4
2	7a, 7b, 7c	6 x 6	4
2	8a, 8b, 8c	6 x 6	4
3	9	6 x 50	5
3	10a, 10b, 10c	6 x 6	2
3	11a, 11b, 11c	6 x 6	2
3	12a, 12b, 12c	6 x 6	2
4	13	6 x 50	3
4	14a, 14b, 14c	6 x 6	8
4	15a, 15b, 15c	6 x 6	8
4	16a, 16b	12 x 6	8



TYPE 2070 CONTROLLER SETTINGS																				
INTERVAL	"WAPITI PROGRAM"								TIME CLOCK	NORMAL DISPLAY										
	1 WBLT	2 EB	3 SBLT	4 NB	5 EBLT	6 WB	7 NBLT	8 SB		1	2	3								
MAX	0	30	80	30	80	30	80	30	80	0	YEAR	VEH RECALL				X				X
MAX 2	1	30	80	30	80	30	80	30	80	1	MONTH	PED RECALL								
WALK	2	0	8	0	8	0	8	0	8	2	DAY/MONTH	RED LOCK								
FL. DW.	3	0	30	0	30	0	30	0	30	3	DAY/WEEK	YEL LOCK		X	X	X	X	X	X	X
MAX INIT.	4	6	10	6	10	6	10	6	10	4	HOUR	Ø PERMIT	X	X	X	X	X	X	X	X
MIN GREEN	5	5	8	5	8	5	8	5	8	5	MINUTE	PED PHASES		X	X	X	X	X	X	X
TBR	6	1	15	1	15	1	15	1	15	6	SECOND	LEAD PHASES	X	X	X	X	X	X	X	X
TTR	7	1	25	1	25	1	25	1	25	7		DBL ENTRY								
	8									8		SEQUENTIAL								
PASSAGE	9	1.0	2.0	1.0	2.0	1.0	2.0	1.0	2.0	9		START UP YEL								
MIN GAP	a	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	a		OVERLAP A								
ADD ACT	b	1.0	2.5	1.0	2.5	1.0	2.5	1.0	2.5	b		OVERLAP B								
YELLOW	c	3.0	4.0	3.0	4.0	3.0	4.0	3.0	4.0	c		OVERLAP C								
RED CLR.	d	1.0	1.5	1.0	1.5	1.0	1.5	1.0	1.5	d		OVERLAP D								
RED REV.	e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	e		EXCLUSIVE								
WALK II	f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	f		SIM GAP								



**PROJECT TYPE**  
**21ST & OLIVER INTERSECTION**  
**WICHITA, KANSAS**

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**TRAFFIC SIGNAL PLAN - 21ST & OLIVER**

PROJECT NO.	472-85213
DATE	SEPT. 2016
SCALE	1"=20'
DESIGNED	JRA
DRAWN	XXX
CHECKED	JRA

NO.	REVISION	DATE