

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0673-01	2017	14	99

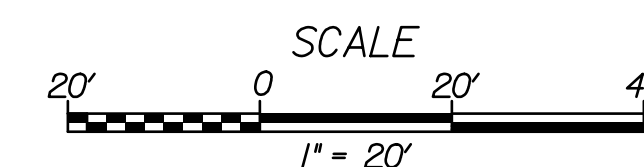
RADAR DETECTOR SUMMARY

DETECTOR NUMBER	DETECTION ZONE SIZE	STOP BAR RADAR DETECTION	ADVANCED RADAR DETECTION	TIMINGS (SEC)		MODE			DISTANCE FROM STOP BAR
				TOTAL STRETCH + EXTENSION	DELAY	PULSE	PRESENCE	PHASE CALLED	
11	6'x50'	X		3.0			X	1	-
12	6'x6'		X	1.0		X		1	92'
13	6'x6'		X	1.7		X		1	210'
14	6'x6'		X	1.4		X		1	320'
15	6'x6'		X	2.0		X		1	490'
21A-B	6'x50'	X		3.0			X	2	-
21C	6'x50'	X		3.0	12.0		X	2	-
22A-C	6'x6'		X	1.0		X		2	92'
23A-C	6'x6'		X	1.7		X		2	210'
24A-C	6'x6'		X	1.4		X		2	320'
25A-C	6'x6'		X	2.0		X		2	490'
41	6'x50'	X		3.0			X	4	-
51	6'x50'	X		3.0			X	5	-
52	6'x6'		X	1.0		X		5	92'
53	6'x6'		X	1.7		X		5	210'
61A	6'x50'	X		3.0	12.0		X	6	-
61B-C	6'x50'	X		3.0			X	6	-
62A-C	6'x6'		X	1.0		X		6	92'
63A-C	6'x6'		X	1.7		X		6	210'
64A-B	6'x6'		X	1.4		X		6	320'
65A-B	6'x6'		X	2.0		X		6	490'
81	6'x50'	X		3.0			X	8	-
82	6'x50'	X		3.0	12.0		X	8	-

* NOTE: TIMINGS SHOWN IN RADAR DETECTOR SUMMARY CHART DOES NOT INCORPORATE EXISTING TIMINGS BUT SHOWS THE PROPOSED TOTAL. IT IS PREFERABLE THAT THE DETECTOR TIMINGS ARE PROGRAMMED INTO THE TRAFFIC SIGNAL CONTROLLER, BUT A COMBINATION OF TIMINGS PROGRAMMED INTO BOTH THE CONTROLLER & DETECTOR IS ACCEPTABLE.

LEGEND

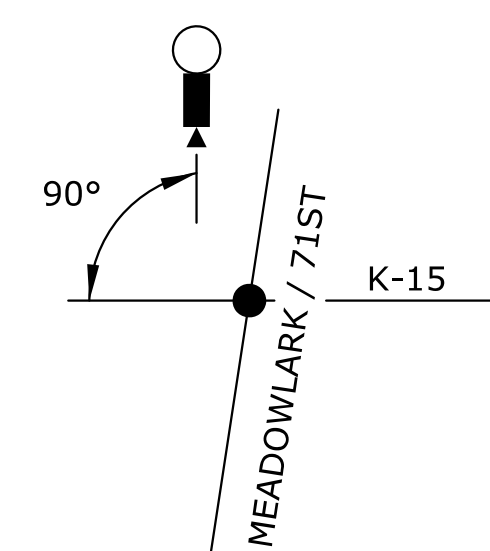
- DETECTION ZONE
- TRAFFIC SIGNAL RADAR DETECTION UNIT
- DETECTOR NUMBER



NOTE: DEVICE AND CONDUIT SYMBOLY ON PLAN SHEET IS NOT SHOWN TO SCALE FOR PLAN CLARITY. DO NOT SCALE LOCATIONS FROM PLAN SHEET.

GENERAL NOTES

- ALL EQUIPMENT SHALL BE NEW UNLESS SHOWN OTHERWISE ON THE PLANS. EXISTING CONTROLLER CABINET, POWER ENCLOSURE, SERVICE BOX, CONFLICT MONITOR, TRAFFIC SIGNAL CONDUIT AND WIRING TO REMAIN.
- EXISTING EQUIPMENT SHOWN TO BE REMOVED SHALL BE REMOVED IN SALVAGEABLE CONDITION AND RETURNED TO THE APPROPRIATE GOVERNING ENTITY. FOR MORE INFORMATION, SEE SHEET 4
- NO CHANGES SHALL BE MADE TO EXISTING TRAFFIC SIGNAL OR EQUIPMENT UNLESS INDICATED IN PLANS OR REQUIRED BY INSTALLATION OF NEW EQUIPMENT.
- THE EXISTING SIGNAL TIMINGS & PRE-EMPTION SHALL BE MAINTAINED. VEHICLE DETECTION SHALL INCLUDE TIMINGS SHOWN IN THE RADAR DETECTOR SUMMARY TABLE (THIS SHEET).
- EXISTING FEATURES AND UTILITIES ARE SHOWN FROM AVAILABLE INFORMATION AND SHOULD BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY UTILITIES AND THEIR EXACT LOCATION PRIOR TO CONSTRUCTION.
- FOR TRAFFIC SIGNAL CONTROLLER INFORMATION & TYPE TO BE INSTALLED AT THIS SITE LOCATION, SEE SHEET 6
- ITS SYSTEM SHALL BE SEPARATE FROM THE EXISTING UPS SYSTEM.
- 6'x6' ADVANCED DETECTION ZONES ON K-15 ARE LOCATED AT 92', 210', 320', & 490' FROM STOP BAR. THERE IS NO ADVANCED DETECTION ON MEADOWLARK / 71ST ST. SEE DETECTOR SUMMARY CHART FOR LOCATIONS.
- DETECTION ZONES AT INTERSECTION SHALL BE APPROXIMATELY 5 FEET IN FRONT OF STOP BARS AS SHOWN.
- SEPARATE RADAR UNITS SHALL BE USED FOR STOP BAR DETECTION & ADVANCED DETECTION. SEE TRAFFIC SIGNAL SPECIFICATION 2.18 FOR DETAILS.
- RADAR UNITS SHALL BE INSTALLED PER MANUFACTURE'S RECOMMENDATIONS INCLUDING HEIGHT & ALL EQUIPMENT & MATERIALS NECESSARY FOR THE SATISFACTORY OPERATION OF THE TRAFFIC SIGNAL SYSTEM.
- SITE SHALL BE PAID FOR BY THE LUMP SUM. FOR A SUMMARY OF SITE QUANTITIES, SEE SHEET 5



CCTV ORIENTATION

PTZ DOME CAMERA SHALL BE MOUNTED TO EXISTING TRAFFIC SIGNAL POLE AT HIGHEST PRACTICAL LOCATION THAT REDUCES OBSTRUCTIONS TO CAMERA VIEW FROM EXISTING FEATURES (MAST ARM, LUMINAIRES, SIGNS ETC.).

DATE	
BY	
REFERENCES NOTED	
REFERENCES CHECKED	

Drawn By : examples
 Plotted : 11/14/2017
 File : c:\transystems\pw_local\transyscorp-pw\coba\kaid0521528\C-SGN-M01-104.dgn

!! WARNING !!

THIS LOCATION HAS AN INTERCONNECTION TO THE HIGHWAY TRAFFIC CONTROLLER FROM THE RAILROAD GRADE CROSSING SIGNAL SYSTEM.

CONTRACTOR, DO NOT MODIFY ANY RAILROAD PREEMPTION DATA AS DESIGNED IN THE TRAFFIC SIGNAL CONTROLLER.

IF PREEMPTION IS DISABLED OR NOT WORKING, NOTIFY THE RAILROAD DISPATCH IMMEDIATELY AT THE NUMBER PROVIDED BELOW.

THE FOLLOWING PERSONNEL MUST BE NOTIFIED AND AUTHORITY RECEIVED BEFORE ANY CHANGES ARE MADE.

TRAFFIC SIGNAL CONTACT:
 SEDGWICK COUNTY PUBLIC WORKS
 MARK BORST - 316-660-1752

BNSF HOTLINE: 800-832-5452

BID ITEM

ITEM	UNIT	QUANTITY
INTELLIGENT TRANSPORTATION SYSTEM SITE 4	L.S.	1

KANSAS DEPARTMENT OF TRANSPORTATION
 SITE 4
 K-15 & MEADOWLARK RD.