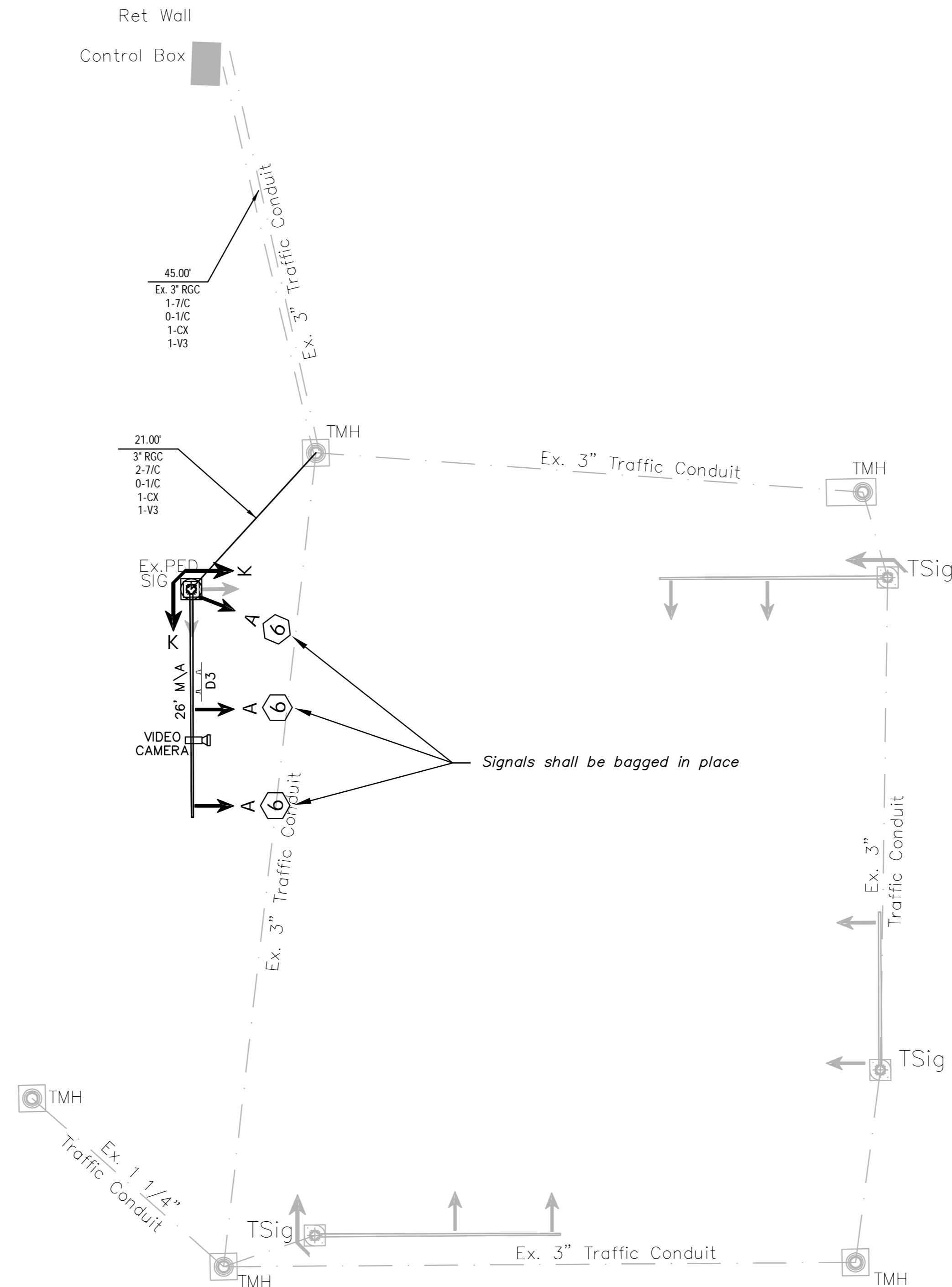
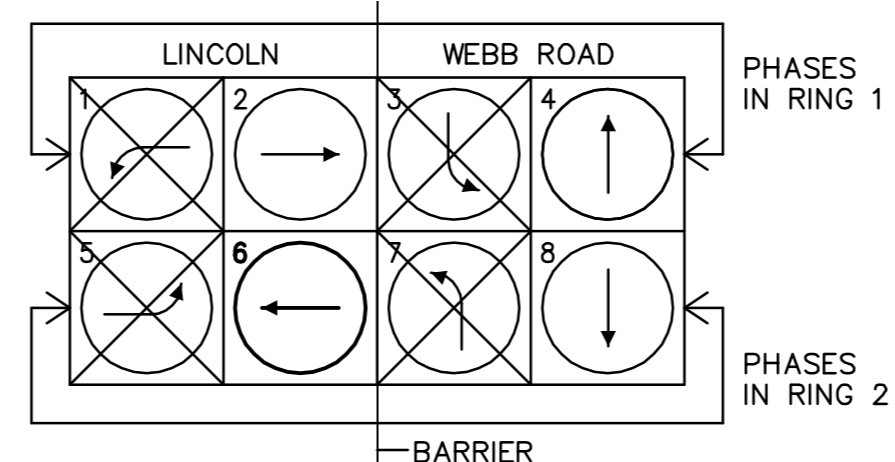
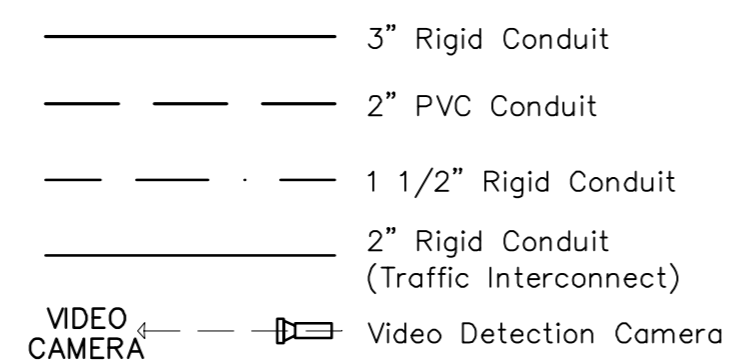


### BILL OF MATERIALS

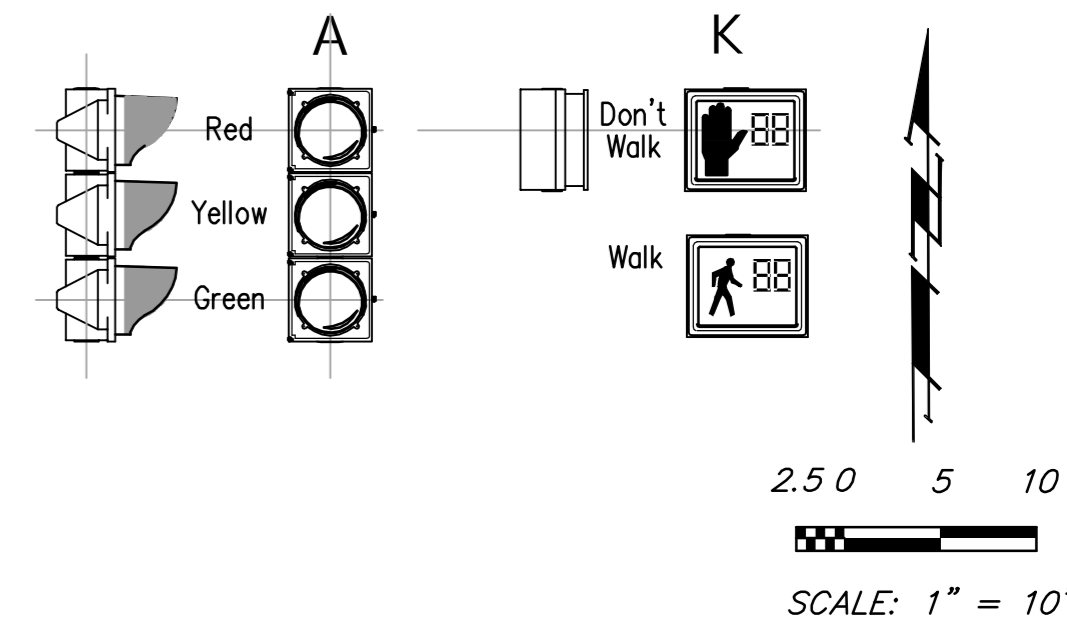
ITEM	UNIT	QTY
PAD MOUNTED CONTROLLER & CABINET	EACH	-
TRAFFIC SIGNAL HEAD (SEE CHART A) W/ MOUNTING HARDWARE	EACH	3
PEDESTRIAN INDICATION (16"X18") W/ COUNTDOWN	EACH	2
TRAFFIC SIGNAL POLE (SEE CHART B) STEEL	EACH	1
CONCRETE CONTROLLER PAD	EACH	-
CONCRETE FOOTING - POLE	EACH	1
CONDUIT ELBOW 90'	EACH	As Req'd
CONDUIT ELBOW 90' 3"	EACH	As Req'd
BACK PLATE 5" - 3 SECTION	EACH	2
BACK PLATE 5" - 5 SECTION	EACH	-
TRAFFIC MANHOLE	EACH	-
GROUND ROD & CLAMP	EACH	As Req'd
CONDUIT CLAMP	EACH	As Req'd
TRAFFIC SIGNAL LAMP RED LED KIT	EACH	3
TRAFFIC SIGNAL LAMP YELLOW LED KIT	EACH	3
TRAFFIC SIGNAL LAMP GREEN LED KIT	EACH	3
TRAFFIC SIGNAL LAMP GREEN ARROW LED KIT	EACH	-
TRAFFIC SIGNAL LAMP YELLOW ARROW LED KIT	EACH	-
TRAFFIC SIGNAL LAMP LED (12" COMBINATION)	EACH	-
CLASS 4 - WOOD POLE	EACH	-
ENTRANCE HEAD	EACH	-
CIRCUIT BREAKER & BOX	EACH	-
GUY WIRE GUARD	EACH	As Req'd
GUY WIRE CLAMP	EACH	As Req'd
THIMBLE EYE ANCHOR ROD	EACH	As Req'd
PEDESTRIAN PUSHBUTTON W/SIGN	EACH	2
LEAD-IN WIRE No. 4 A.W.G. 1/C (TYPE THNN)	LIN. FT.	-
STANDARD 1/C #8 (GROUND)	LIN. FT.	-
MULTI-CONDUCTOR CABLE No. 16 A.W.G. 3/C (V3)	LIN. FT.	66
MULTI-CONDUCTOR CABLE No. 14 A.W.G. 7/C	LIN. FT.	132
VIDEO CABLE 75 OHM COAXIAL (BELDON 8281) (CX)	LIN. FT.	66
CONDUIT 2" RGC - WESTAR	LIN. FT.	-
CONDUIT 1.5" RGC	LIN. FT.	-
CONDUIT 2" RGC	LIN. FT.	-
CONDUIT 3" RGC	LIN. FT.	21
CAMERA HOUSING	EACH	1
VIDEO DETECTION CAMERA & MOUNTING HARDWARE (RISER BRACKET)	EACH	1
VIDEO DETECTION PROCESSOR UNIT	EACH	1
VIDEO MONITOR	EACH	1
TETHER WIRE 1/4" ASTM A475 SIEMENS-MARTIN GRADE MIN.	LIN. FT.	As Req'd
STREET NAME SIGNS W/MOUNTING HARDWARE (D-3)	EACH	1
LEFT TURN SIGNAL SIGN W/MOUNTING HARDWARE (R10-12)	EACH	-

### GENERAL NOTES

- Signal Timing by the City of Wichita. The Contractor shall be responsible for furnishing and installing the controller, cabinet, concrete base, and for all equipment necessary for the complete and satisfactory operation of the traffic signal, whether said equipment is specifically mentioned or not.
- Lengths given are to the centerline of pole/box and do not include lengths for elbows and risers.
- Signal heads, pedestrian signals, traffic signs, etc. shall include all brackets, hardware, & other incidentals necessary for installation.
- See City of Wichita Standard Specifications for additional wiring notes.
- Quantities are for Information Only.
- Pole shall be galvanized ONLY



### TYPICAL SIGNAL HEADS



### CHART 'A' - SIGNAL INVENTORY

NO. WAYS	NO. SECTIONS (Per Face)	SIGNAL FACE ARRANGEMENT	MOUNTING TYPE	QTY
1	3	A	TYPE I	2
1	3	C	TYPE I	-
1	3	A	TYPE III	1
1	1	K (SYM)	TYPE II	2

### CHART 'B' - TRAFFIC SIGNAL POLES

STATION	DIST.	SIDE	ARM LENGTH	NO. OF SIGNALS ON ARM	SIGNAL SPACING	TYPE
Sta 50+02.14	47.87'	LL	26.0'	2	13.5'-11.0'	STD

### CHART 'C' - CONDUIT

CONDUIT SIZE	TRENCHED	PUSHED
2" PVC - Westar	-	-
1.5" RGC	-	-
2" RGC	-	-
3" RGC	21	-

### CHART 'D' - STREET NAME SIGN SUMMARY

LEGEND	TYPE	QTY	UNITS	SIZE
WEBB	D-3	1	EA	2.5' X 5.0'

### TYPE 170 CONTROLLER SETTINGS

Interval	Phase								Time Clock	Nominal Display							
	1 WBLT	2 EB	3 SBLT	4 NB	5 EBLT	6 WB	7 NBLT	8 SB		1	2	3	4	5	6	7	8
Max.	0		30	60				60	0	Year	Veh Recall						X
Max. 2	1		30	60				60	1	Month	Ped Recall						X
Walk	2		7	7				7	2	Day/Month	Red Lock						
Fl. Dw.	3		12	10				10	3	Day/Week	Yel Lock						
Max. Init.	4		10	15				15	4	Hour	0 Permit	X					X
Min. Green	5		7	10				10	5	Minute	Ped Phases						
TBR	6							6	6	Second	Lead Phases						
TTR	7							7	7		Dbt Entry						
Obs. Gap	8							8			Sequential						
Passage	9							9			Start Up Yel	X					
Min. Gap	a							a			Overlap A						
Add Act	b							b			Overlap B						
Yellow	c	3.0		4.0				4.0	c		Overlap C						
Red Cir	d	1.0		1.0				1.0	d		Overlap D						
Red Flv	e								e		Exclusive						
Walk II	f								f		Sim Gap						

Design File: E:\eng\Harrison park signalization\base

Design: AZIERE  
 Drawn: AZIERE  
 Approved: AZIERE  
 Scale: 1:10

Project No. 07081910 CAPITAL IMPROVEMENT PROJECT

**WIRING DIAGRAM**  
 Harrison Park Signalization

**Baughman Company, P.A.**  
 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

September 2009

SHEET 3  
 OF 4