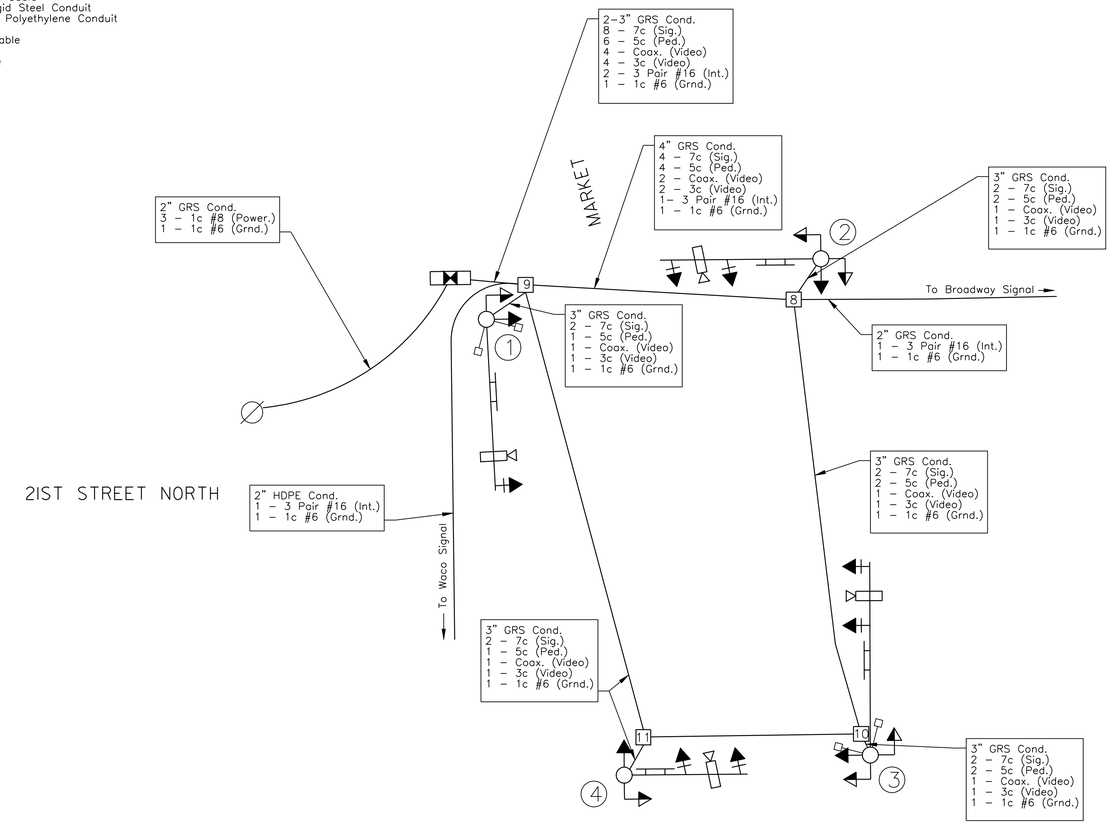
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84295	2010	118	194

LEGEND

Sig. – Signal Cable
Ped. – Pedestrian Signal and Push Button Cable
St. Lt. – Street Light Cable
GRS – Galvanized Rigid Steel Conduit
HDPE – High Density Polyethylene Conduit
Video – Video Cable
Int. – Interconnect Cable
Grnd. – Ground Wire
Power – Power Cable



Notes:
1. The Contractor shall Coordinate the Power Hookup with Westar Energy.

2. 1c ground wire, shall be No. 6 AWG bare solid copper wire of type ASTM B–3.

3. All Conductors shall be # 14 AWG unless otherwise indicated.

4. Street Light Cable will be ran separate from signal cable to each pole. Two 1" Conduits shall be stubbed out of pole base for connection to lighting circuit. 2–3c #12 wires shall be ran from luminaires to terminal block in pole base. See lighting sheets for more information.

DETECTOR SUMMARY											
					TIMINGS (SEC)		MODE				
DETECTOR NUMBER	LOOP OR DETECTION ZONE SIZE	VIDEO DETECTION	MICROWAVE DETECTION	INDUCTIVE LOOP (3 TURNS)	STRETCH	DELAY	PULSE	PRESENCE	PHASE CALLED	NO. OF CHANNELS	COMMENTS
21	6'X50'	X				1.0		X	2	1	
22	6'X50'	X						X	2	1	
41	6'X50'	X				1.0		X	4	1	
42	6'X50'	X						X	4	1	
61	6'X50'	X				1.0		X	6	1	
62	6'X50'	X						X	6	1	
81	6'X50'	X				1.0		X	8	1	
82	6'X50'	X						X	8	1	

SUGGESTED TIMINGS (Sec.)							
PHASE	MINIMUM INITIAL	UNIT EXTENSION	MAXIMUM GREEN	PEDESTRIAN		CLEARANCE	
				WALK	FDW	YELLOW	ALL RED
2	9	1.0	90	7	11	3.0	1.5
4	9	1.0	55	-	-	3.0	1.5
6	9	1.0	90	7	11	3.0	1.5
8	9	1.0	55	7	15	3.0	1.5

EMERGENCY FLASH	
PHASE	INDICATION
2	Red
4	Red
6	Red
8	Red
Pedestrian	Dark

DATE	BY	REVISIONS	PROJECT NO. 472-84295
		REFERENCES NOTED	
		REFERENCES CHECKED	

CITY OF WICHITA

21ST STREET NORTH &
BROADWAY AVENUE INTERSECTION

WIRING DIAGRAM
21ST STREET NORTH & MARKET STREET
INTERSECTION

WICHITA, KANSAS

TranSystems

DESIGNED:	M.D.B.	DRAWN:	D.A.N.
CHECKED:	B.A.L.	DATE:	1/8/2010

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Plotted By :danavarro Plotted : 1/8/2010
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