

CHART A SIGNAL SUMMARY			
SIGNAL FACE ARRANGEMENT	NO. SECTIONS (PER FACE)	SIGNAL MOUNTING TYPE	QUANTITY
A	3	MAST ARM W/BACKPLATE	4
		MAST ARM W/BACKPLATE	
		MAST ARM W/BACKPLATE	
A	3	SIDE-OF-POLE	3
K	2	SIDE-OF-POLE	4
		SIDE-OF-POLE	

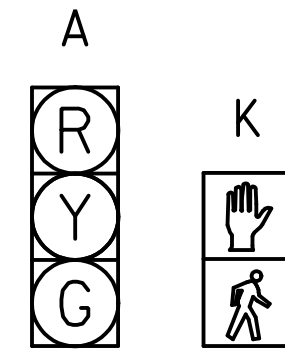
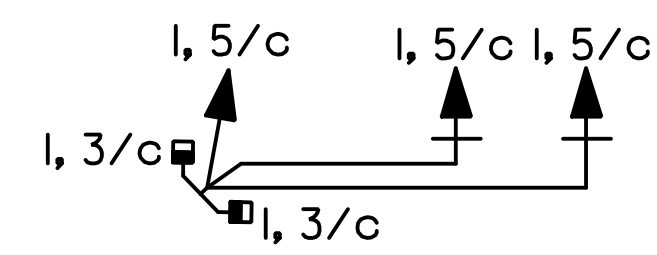
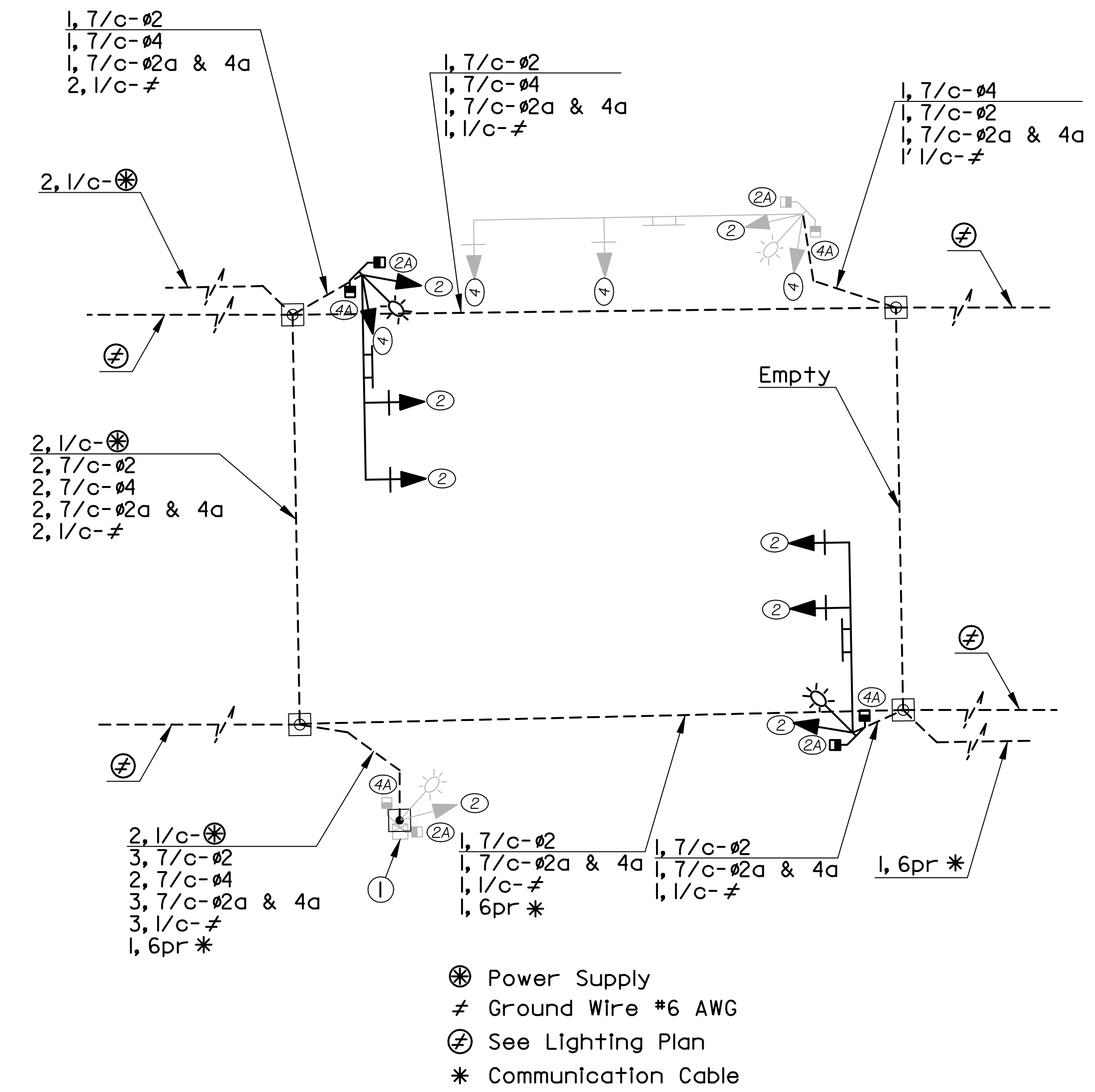


CHART B TRAFFIC SIGNAL POLES								
POLE NO.	POLE HEIGHT	SIGNAL ARM LENGTH	SIGNAL ARM MOUNTING HEIGHT	NO. OF SIGNALS ON ARM	SIGNAL SPACING	LUMINAIRE ARM LENGTH	LUMINAIRE MOUNTING HEIGHT	QUANT.
1	30'	28'	19'	2	15, 27	5	30'	1
2	30'	26'	19'	2	13, 25	5	30'	1

BILL OF MATERIALS (FOR INFORMATION ONLY)		
ITEM	QUANT.	UNIT
TRAFFIC SIGNAL HEAD W/MOUNTING HARDWARE	11	EACH
L.E.D. PEDESTRIAN SIGNAL LENS	8	EACH
L.E.D. TRAFFIC SIGNAL LENS	21	EACH
TRAFFIC SIGNAL POLE JOINT USE (J.U.) STEEL 30'	2	EACH
TRAFFIC SIGNAL POLE BASE	1	EACH
SERVICE BOX (SPECIAL) (PRE-FAB)	4	EACH
SERVICE ENCLOSURE, 50 AMP.	6	EACH
CIRCUIT BREAKER, TRAFFIC SIGNAL, 30 AMP.	1	EACH
GROUND ROD & CLAMP	1	EACH
6PR COMMUNICATION CABLE	2	LIN FT
SERVICE WIRE NO. 6 AWG 1/C	650	LIN FT
GROUND WIRE NO. 6 AWG 1/C	685	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 5/C	280	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 7/C	1200	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 3/C	38	LIN FT
CONDUIT, 1" & FITTINGS RGC	120	LIN FT
CONDUIT, 2" & FITTINGS PVC	3	380 LIN FT
CONDUIT, 2" & FITTINGS RGC	2	220 LIN FT
CONDUIT, 3" FITTINGS RGC	380	LIN FT
ADAPTER PLATE (POLE BASE)	4	1 EACH
ALLEY PAVEMENT REMOVAL AND REPLACEMENT	65	LIN FT
REMOVE AND RESET TRAFFIC SIGNAL POLE	1	EACH
REMOVE AND RESET TRAFFIC SIGNAL PEDISTAL	1	EACH
TRAFFIC SIGNAL POLE BASE ADJUSTMENT	3	EACH



TYPICAL POLE WIRING
Salvage and Reuse Wiring in Traffic Signal Poles being removed and reinstalled.

CONTROLLER DESCRIPTION
① The existing traffic signal controller shall be salvaged and reused. All existing time setting shall be retained.

- ② See Traffic Signal Interconnect Bill of Materials.
- ③ Quantity for 2" PVC for street lighting includes only that between the Service Boxes, and the Poles and Service Boxes.
- ④ Adapter Plate to mount existing Pedestal Pole on new base with 16" Dia. bolt circle.
- ⑤ Poles to be drilled for Credenza Luminaire Arm. Luminaire, Arm and wiring to be supplied and installed by Westar Energy.
- ⑥ Utilize same enclosure as street light receptacles. Traffic Signal to be metered separately. See Lighting Plans.

NOTE :
THE TRAFFIC SIGNAL SYSTEM SHALL BE COMPLETE AND THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT AND MATERIALS NECESSARY FOR THE SATISFACTORY OPERATION OF ELECTRICAL APPARATUS AND FOR COMPLETE OPERATION OF THE TRAFFIC SIGNAL SYSTEM WHETHER SPECIFICALLY MENTIONED OR NOT.

-QUANTITIES FOR INFORMATION ONLY-

3				
2				
1	03/26/2003	Current version		
NO.	DATE		BY	APP'D

CITY OF WICHITA
TRAFFIC SIGNAL QUANTITIES SHEET
WATERMAN ST. AND MARKET ST.

DESIGNED	J.F.F.	APP'D	Linda G. Voss, P.E.
DESIGN CK.	G.J.O.	QUANT. CK.	G.J.O.

Plotted By : ddp
 Plot File : /z/2006/06237/signal/tei/30b-Market.dgn
 Plot Date : 2-26-2007
 \$\$\$KDOT GRP\$\$\$ 6th Floor