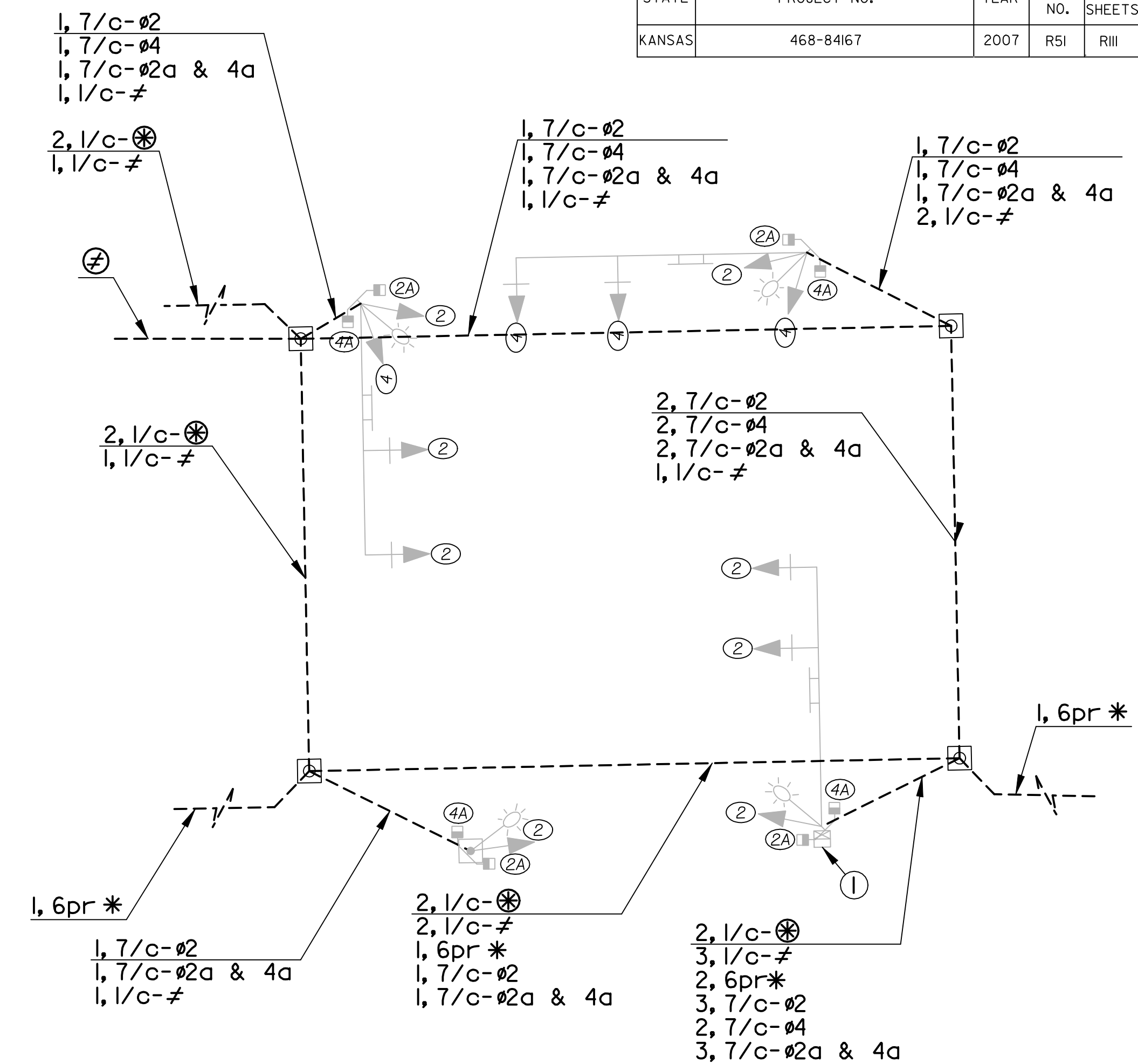


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	468-84167	2007	RSJ	R111

BILL OF MATERIALS (FOR INFORMATION ONLY)		
ITEM	QUANT.	UNIT
TRAFFIC SIGNAL POLE BASE	1	EACH
SERVICE BOX (SPECIAL) (PRE-FAB)	4	EACH
SERVICE ENCLOSURE, 50 AMP.	⑤	EACH
CIRCUIT BREAKER, TRAFFIC SIGNAL, 30 AMP.	⑤ 1	EACH
GROUND ROD & CLAMP	1	EACH
6PR COMMUNICATION CABLE	②	LIN FT
SERVICE WIRE NO. 6 AWG 1/C	940	LIN FT
GROUND WIRE NO. 6 AWG 1/C	930	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 5/C		LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 7/C	1400	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 3/C		LIN FT
CONDUIT, 1" & FITTINGS RGC	120	LIN FT
CONDUIT, 2" & FITTINGS PVC	③ 680	LIN FT
CONDUIT, 2" & FITTINGS RGC	260	LIN FT
CONDUIT, 3" FITTINGS RGC	420	LIN FT
ADAPTER PLATE (POLE BASE)	④ 1	EACH
REMOVE AND RESET TRAFFIC SIGNAL POLE	3	EACH
REMOVE AND RESET TRAFFIC SIGNAL PEDISTAL	1	EACH
TRAFFIC SIGNAL POLE BASE ADJUSTMENT	3	EACH

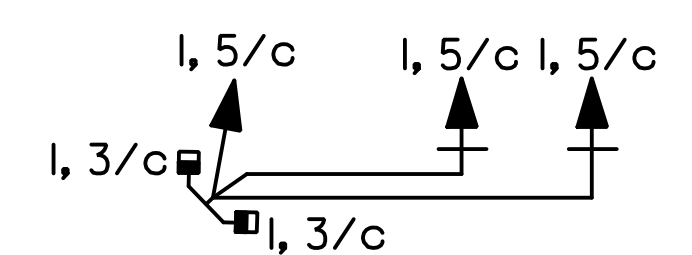


- ⊗ Power Supply
- ≠ Ground Wire #6 AWG
- ⊕ See Lighting Plan
- * Communication Cable

WIRING DIAGRAM

CONTROLLER DESCRIPTION

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



TYPICAL POLE WIRING

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

- 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 Utilize same enclosure as street lights and receptacles. Traffic Signal to be metered separately. Connect Traffic Signal to same meter as Topeka Signal. See Lighting Plans.

Contractor to install 1" RGC from Luminaire Arm to bottom of all poles, new and existing, with pull wire.

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 EMPORIA ST.

TEISOB

FHWA APPROVAL	04/29/03	APP'D	Linda G. Voss, P.E.
DESIGNED	J.F.F.	QUANTITIES	TRACED
DESIGN CK.	G.J.O.	QUAN. CK.	TRACE CK.

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