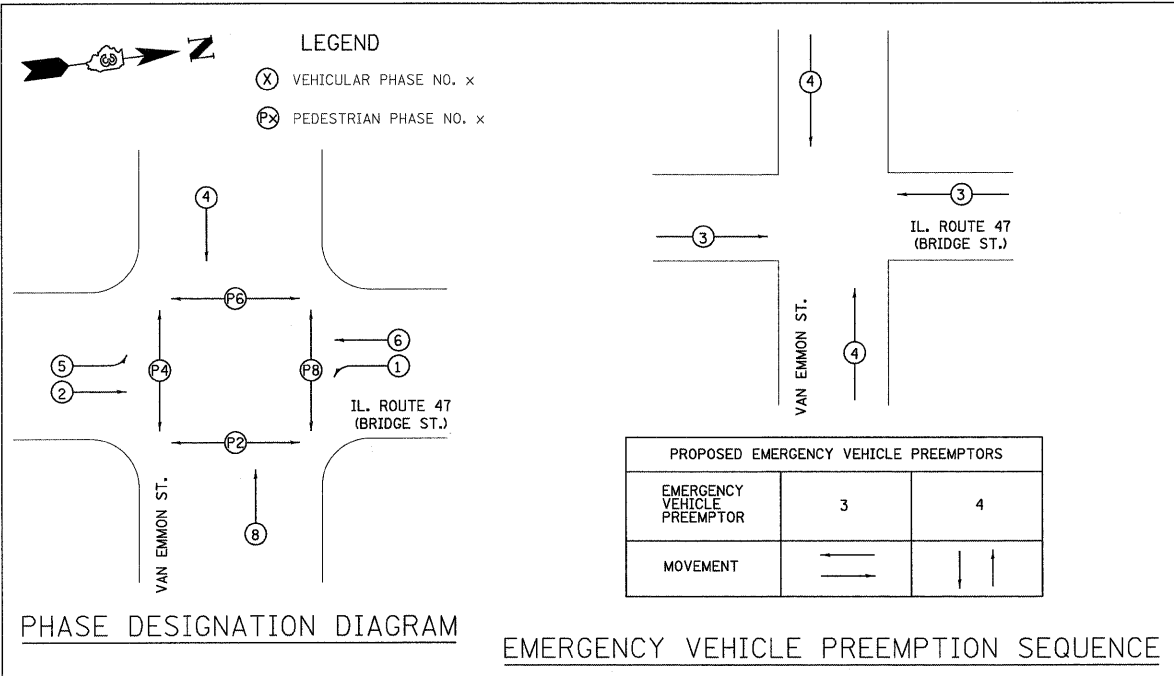
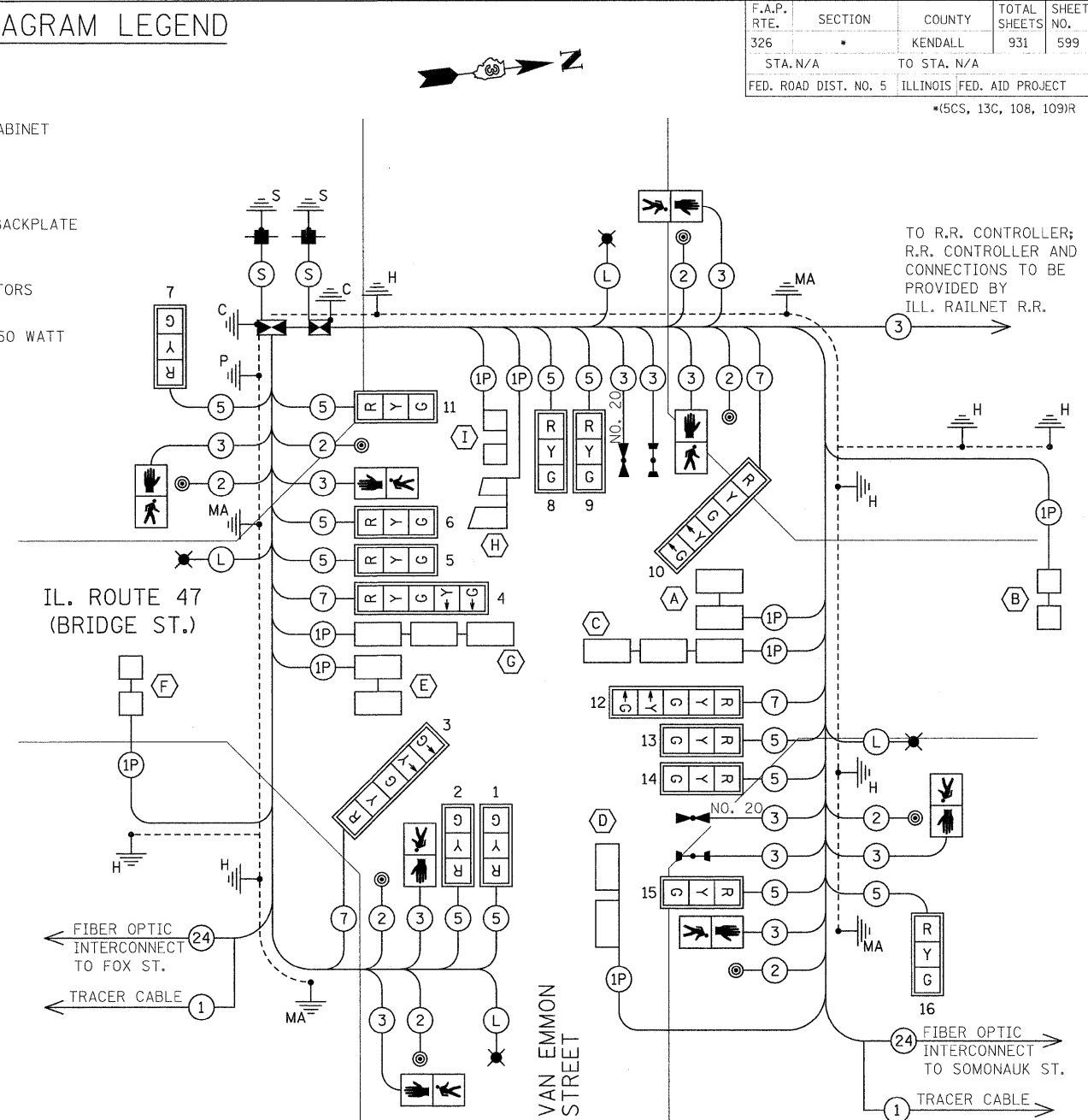
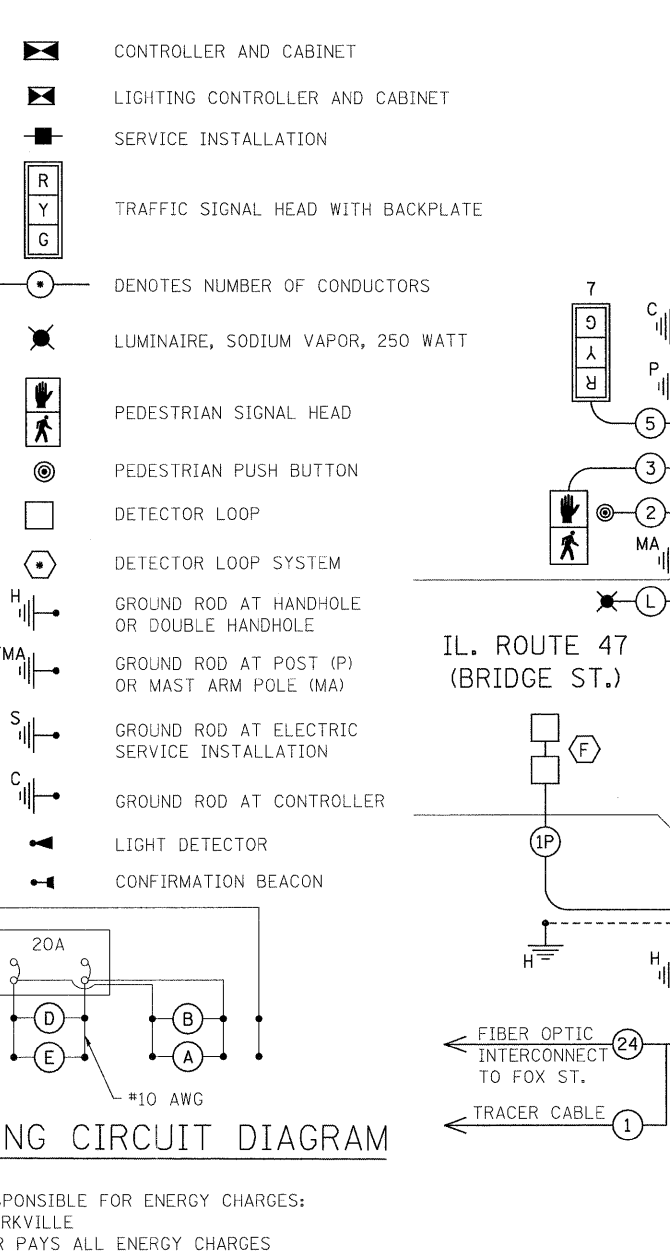


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	*	KENDALL	931	599
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO. 5		ILLINOIS FED. AID PROJECT		
*15CS, 13C, 10B, 1091R				



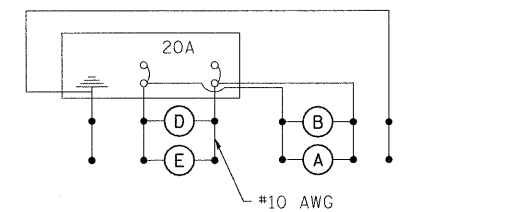
PROPOSED CABLE DIAGRAM LEGEND



SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
SERVICE INSTALLATION - GROUND MOUNTED	EACH	2
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	6
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
LUMINAIRE, SODIUM VAPOR, HOR. MOUNT, 250 WATT	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	16
INDUCTIVE LOOP DETECTOR	EACH	9
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	12
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
ROCK EXCAVATION	CU M	4
SIGN PANEL - TYPE 1	SQ M	2.7
SIGN PANEL - TYPE 2	SQ M	5.4
CONDUIT IN TRENCH 25mm DIA., PVC	METER	48
CONDUIT IN TRENCH 50mm DIA., PVC	METER	181
CONDUIT IN TRENCH 65mm DIA., PVC	METER	2
CONDUIT IN TRENCH 100mm DIA., PVC	METER	25
CONDUIT PUSHED, 50mm DIA., GALVANIZED STEEL	METER	14
CONDUIT PUSHED, 100mm DIA., GALVANIZED STEEL	METER	61
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	METER	408
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	METER	606
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	252
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	METER	278
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	METER	294
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	METER	508
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	METER	182
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14, 1 PAIR	METER	869
ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C	METER	123
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	METER	57
TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85 METER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 7.31 METER	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 13.41 METER	EACH	2
CONCRETE FOUNDATION, TYPE A	METER	1.0
CONCRETE FOUNDATION, TYPE C (SPECIAL)	METER	1.1
CONCRETE FOUNDATION, TYPE E 750mm DIAMETER	METER	6.0
CONCRETE FOUNDATION, TYPE E 900mm DIAMETER	METER	8.0
DETECTOR LOOP, TYPE 1	METER	359
ELECTRIC CABLE IN CONDUIT NO. 20, 3/C, TWISTED, SHIELDED	METER	436
REMOVE EXISTING JUNCTION BOX	EACH	1
LIGHTING CONTROLLER, SPECIAL	EACH	1

LIGHTING CIRCUIT DIAGRAM



AGENCY RESPONSIBLE FOR ENERGY CHARGES:
CITY OF YORKVILLE
CONTRACTOR PAYS ALL ENERGY CHARGES
UNTIL PROJECT IS ACCEPTED

RAILROAD PREEMPTION SEQUENCE

PHASE	R.R. PREEMPTOR 2				
	TRACK CLEAR	R.R. PREEMPT	HOLD	RETURN TO NORMAL	
INTERVAL	RR1 RR2	RR3 RR4	RR5	RR6	
IL. RTE. 47 SOUTHBOUND	G Y R R	FL.R	G		
IL. RTE. 47 NORTHBOUND	R R R R	FL.R	G		
VAN EMMON ST.	R R G Y	FL.R	R		
PEDESTRIAN SIG. ACROSS VAN EMMON ST.	⬇	⬇	⬇	DARK	⬆
PEDESTRIAN SIG. ACROSS IL. RTE. 47	⬇	⬇	⬇	DARK	⬆

- NOTES:
- WHEN THE RAILROAD PREEMPTION IS CALLED, THE TRACK CLEAR SIGNAL DISPLAY WILL BEGIN ONLY AFTER PROPER VEHICULAR CLEARANCE INTERVALS HAVE BEEN PROVIDED.
 - INDICATIONS WILL BE PRESENT ONLY IF THEY HAVE BEEN ACTUATED.
 - PEDESTRIAN INTERVALS WILL BE SHORTENED WITH RAILROAD PREEMPTION.
 - THE "TRACK CLEAR" PHASE SHALL INCLUDE THE SOUTHBOUND GREEN BALLS AND SOUTHBOUND GREEN LEFT ARROWS.
 - THE RAILROAD PREEMPTOR 2 SHALL HAVE PRIORITY OVER THE EMERGENCY VEHICLE PREEMPTORS.

CABLE DIAGRAM

CONTROLLER SPECIFIED: ECONOLITE ASC-3/2100 TS-2 TYPE 2
MASTER CONTROLLER SPECIFIED: ECONOLITE ASC 2M-1000
PEDESTRIAN PUSH-BUTTONS: 4 EVR ROUND MODEL
LUMINAIRES: 250 WATT HPS STERNBERG 1914A/CHS LUMINAIRES

NOTIFY THE TRAFFIC SIGNAL SECTION AT (815) 434-8506 72 HOURS IN ADVANCE TO REDESIGN THE DETECTOR LOOPS, IF POSSIBLE, TO AVOID CONSTRUCTION JOINTS.

- (S) SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C
- (L) LIGHTING CABLE
600V (XLP-TYPE USE) 3 - 1/C NO.10

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PHASE DIAGRAM, CABLE DIAGRAM
SCHEDULE OF QUANTITIES
IL. 47 (BRIDGE ST.)/
VAN EMMON STREET
SCALE: NONE
DATE: MARCH, 2010
DRAWN BY: SL
CHECKED BY: KC

PLOT DATE = 8/11/2011
FILE NAME = H:\S12\design\599\ven_emmon_cable.dgn
PLOT SCALE = 6:3000 m / 1in.
USER NAME = JOSEPHSCH