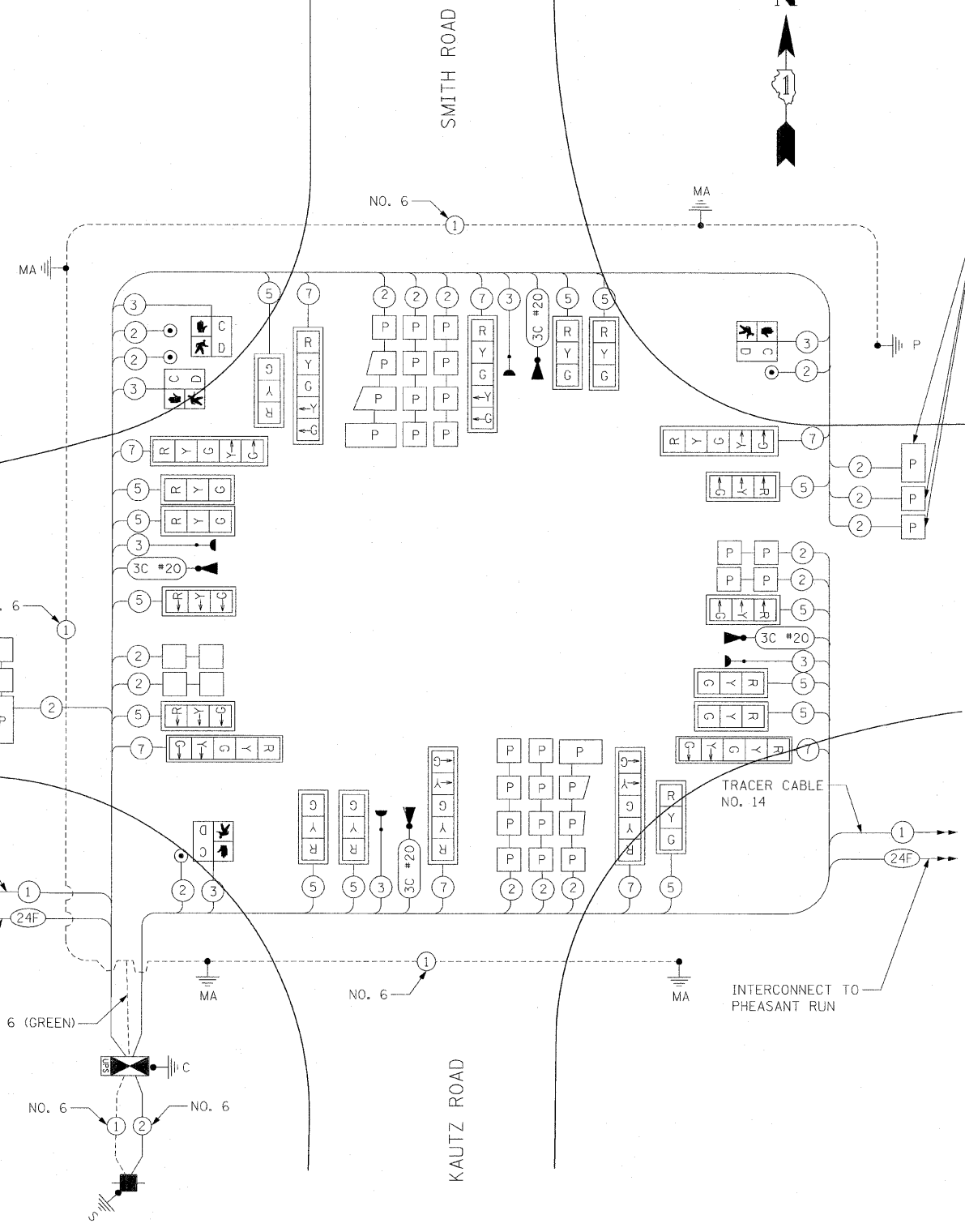
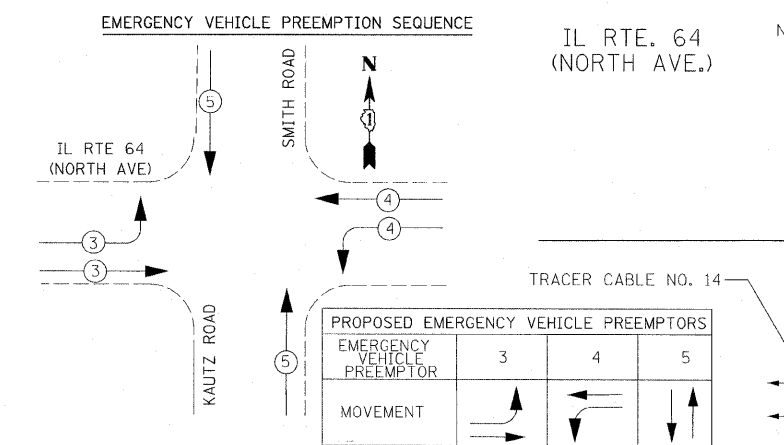
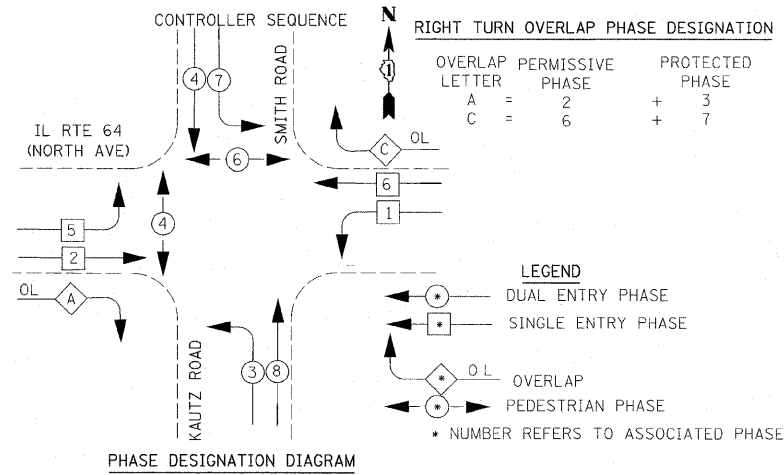


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	348
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

**SCHEDULE OF QUANTITIES**

QTY	UNIT	ITEM DESCRIPTION
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
936	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
15	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
63	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
681	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
3	EACH	HANDHOLE
5	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	TRANSCEIVER-FIBER OPTIC
960	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 2C
2165	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 3C
3970	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 5C
2215	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 7C
4219	FOOT	ELECTRICAL CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
113	FOOT	ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 6 2C
807	FOOT	ELECTRICAL CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
4	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
16	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
71	FOOT	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER
14	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
8	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
22	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
14	EACH	INDUCTIVE LOOP DETECTOR
192	FOOT	DETECTOR LOOP, TYPE I
1516	FOOT	PREFORMED DETECTOR LOOP
4	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1177	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
1	EACH	UNINTERRUPTIBLE POWER SUPPLY SPECIAL
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 55 FT. AND 32 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 64 FT. AND 32 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 68 FT. AND 40 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 70 FT. AND 44 FT.
		100% COST TO CITY OF ST CHARLES

I.D.O.T  
 TRAFFIC SIGNAL INSTALLATION  
 ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	22	17	50	187.0	
(YELLOW)	22	25	25	137.5	
(GREEN)	22	15	25	82.5	
ARROW	16	12	10	19.2	
PED. SIGNAL	4	25	100	100.0	
CONTROLLER	1	100	100	100.0	
ILLUM. SIGN	0	0	5	0	
FLASHER			50		
TOTAL =					626.2

ENERGY COSTS TO:  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: THOMAS BRUHL  
 PHONE: (630) 377-4401  
 COMPANY: ST. CHARLES ELECTRICAL DEPARTMENT

THE END OF TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET

SEE LIGHTING PLANS FOR LIGHTING DETAILS

CABLE PLAN  
 NOT TO SCALE

REVISIONS	
NAME	DATE
ADDENDUM NO. 1	12/23/11

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

**SCHEDULE OF QUANTITIES,  
 CABLE PLAN  
 IL ROUTE 64 AND SMITH/KAUTZ ROAD**

SCALE: NONE  
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS  
 CHECKED BY: WP