

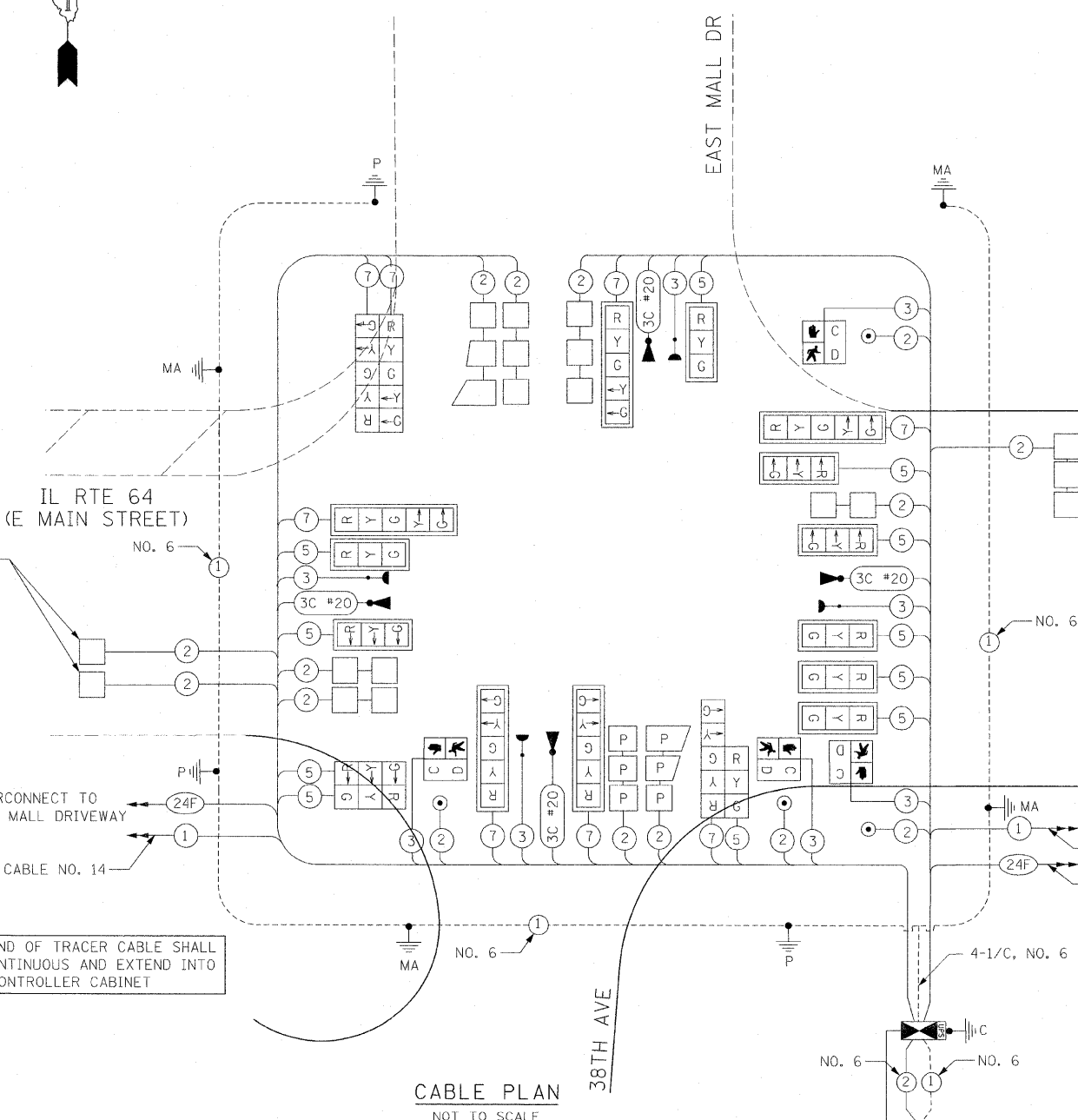
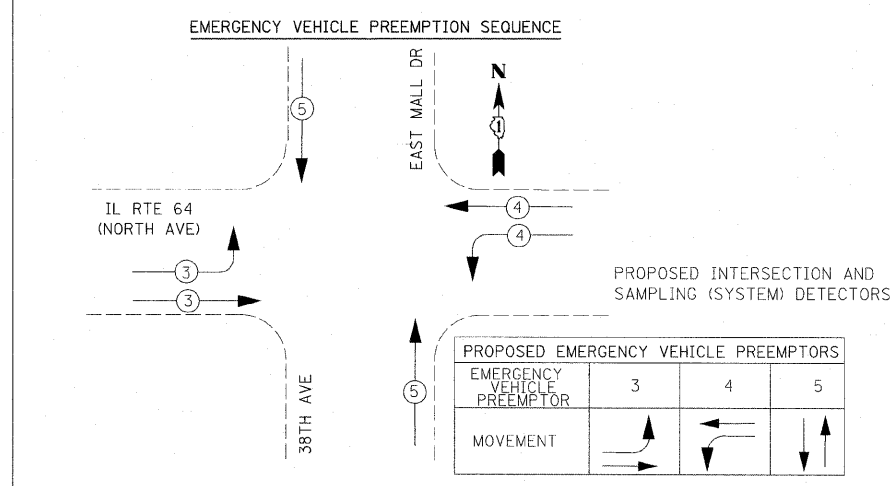
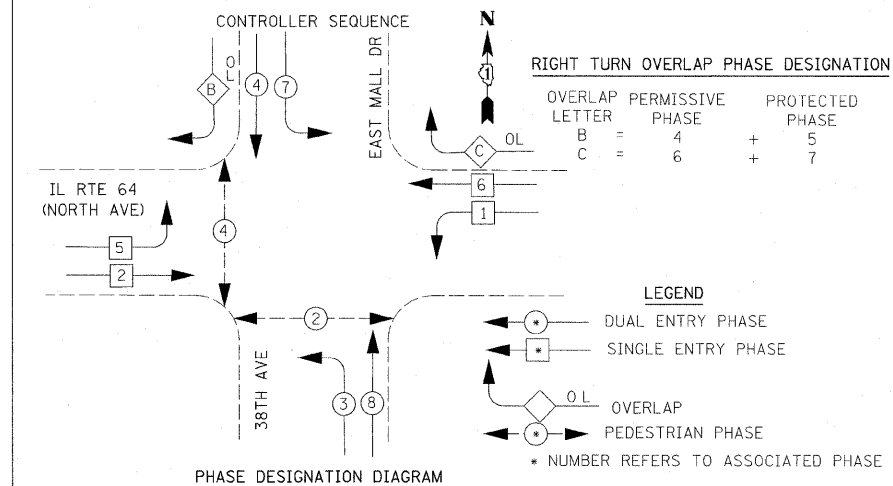
F.A.P. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	336
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410

SCHEDULE OF QUANTITIES

QTY	UNIT	ITEM DESCRIPTION
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
945	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
45	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
53	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
524	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
4	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	TRANSCIVER-FIBER OPTIC
468	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 2C
1430	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 3C
2012	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 5C
1951	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 7C
2881	FOOT	ELECTRICAL CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
106	FOOT	ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 6 2C
779	FOOT	ELECTRICAL CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 30 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.
16	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
55	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
8	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
5	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5-SECTION, BRACKET MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
13	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
11	EACH	INDUCTIVE LOOP DETECTOR
701	FOOT	DETECTOR LOOP, TYPE I
329	FOOT	PREFORMED DETECTOR LOOP
* 4	EACH	LIGHT DETECTOR
* 1	EACH	LIGHT DETECTOR AMPLIFIER
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
8208	FOOT	REMOVE ELECTRICAL CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
11	EACH	REMOVE EXISTING HANDHOLE
10	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
* 934	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 MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS 48 FT. AND 26 FT.

* 100% COST TO CITY OF ST CHARLES



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	19	INCAND.	17	50	161.5
(YELLOW)	19	LED	25	25	118.75
(GREEN)	19	LED	15	25	71.25
ARROW	16	LED	12	10	19.2
PED. SIGNAL	4	LED	25	100	100.0
CONTROLLER	1	LED	100	100	100.0
ILLUM. SIGN	0	LED	25	5	0
FLASHER				50	
TOTAL =					570.7

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ILL. RTE. 64 (NORTH AVE.) AND 38TH AVE.
 SCHEDULE OF QUANTITIES, CABLE PLAN
 SCALE: NONE
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP