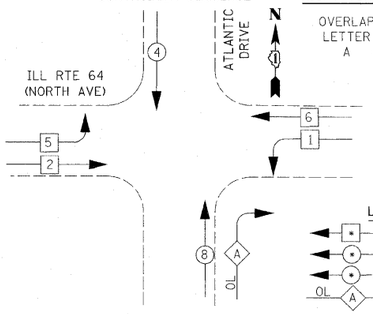
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	384
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410

CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION

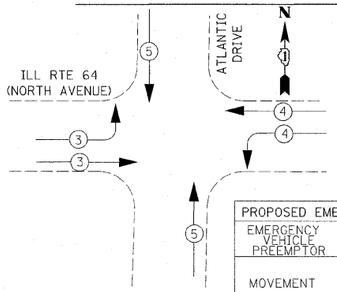
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	8	+	1

LEGEND

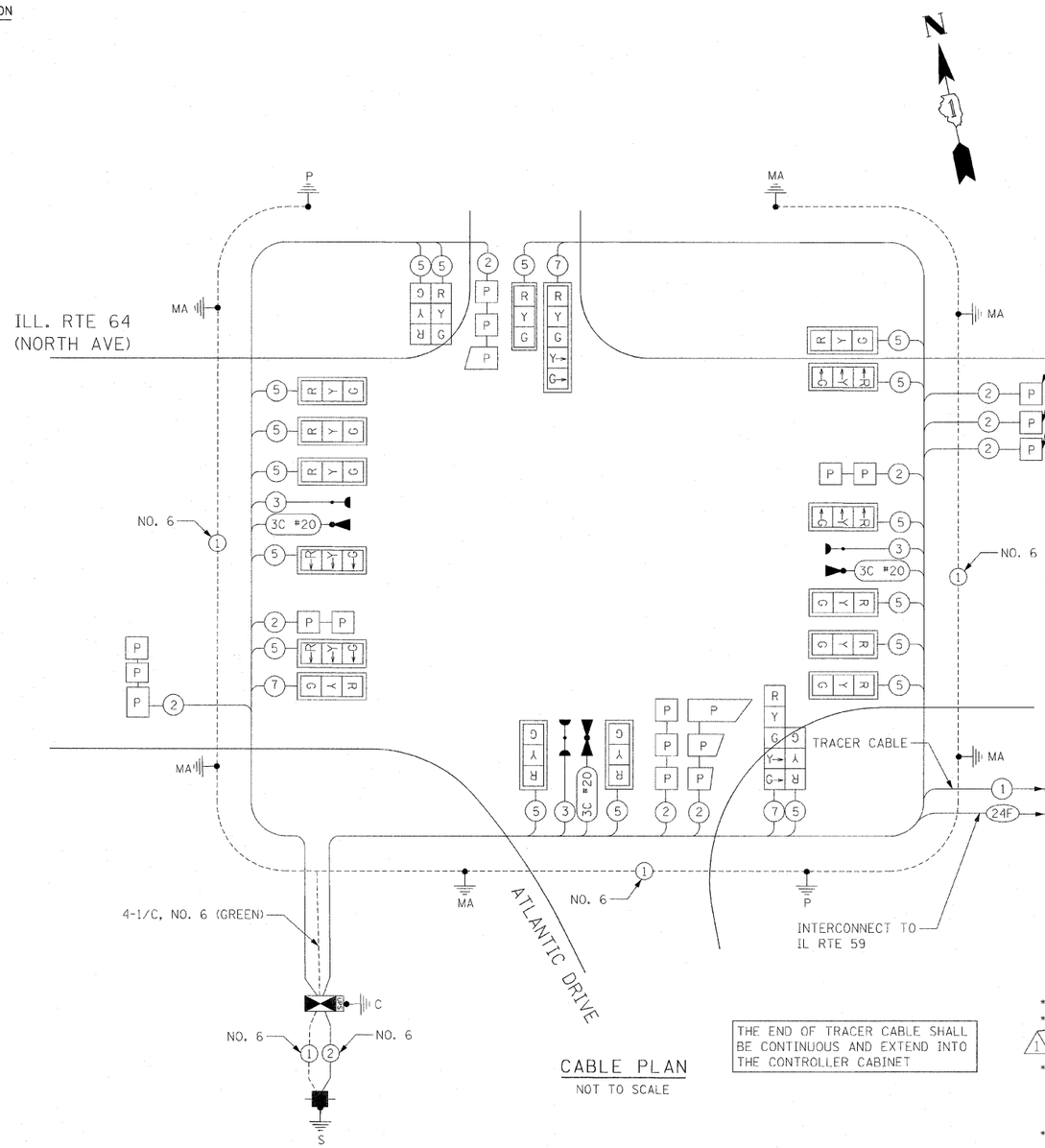
- SINGLE ENTRY PHASE
- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			



CABLE PLAN

NOT TO SCALE

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

FOR STREET LIGHTING, PROVIDE CONDUIT TO THE COMBINATION MAST ARM FOUNDATIONS AS SHOWN IN THE LIGHTING PLANS

SCHEDULE OF QUANTITIES

QTY	UNIT	ITEM DESCRIPTION
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
857	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
19	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
136	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
567	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
2	EACH	HANDHOLE
5	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	TRANSCEIVER-FIBER OPTIC
631	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 3C
4167	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 5C
535	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 7C
2953	FOOT	ELECTRICAL CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
40	FOOT	ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 6 2C
817	FOOT	ELECTRICAL CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 24 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 42 FT.
2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.
8	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
30	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
13	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
42	FOOT	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER
15	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	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, 1-3 SECTION, 1-5-SECTION, BRACKET MOUNTED
16	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
9	EACH	INDUCTIVE LOOP DETECTOR
885	FOOT	PREFORMED DETECTOR LOOP
* 3	EACH	LIGHT DETECTOR
* 1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
* 631	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
1	EACH	UNINTERRUPTIBLE POWER SUPPLY SPECIAL

* 100% COST TO WEST CHICAGO FIRE PROTECTION DISTRICT

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

TYPE	NO. LAMPS	× WATTAGE INCAND.	WATTAGE LED	× %OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20		17	50	170.0
(YELLOW)	20		25	25	125.0
(GREEN)	20		15	25	75.00
ARROW	4		12	10	4.80
PED. SIGNAL	0		25	100	0
CONTROLLER	1		100	100	100.00
ILLUM. SIGN	0		25	5	0
FLASHER	0		25	50	0
				TOTAL =	474.8

ENERGY COSTS TO:

ILLINOIS DEPAR MEN OF RANSPOR A ION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: MARK GLOECKLE
PHONE: (630) 691-4529
COMPANY: COMED

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

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

ILL. RTE. 64 (NORTH AVE) AND ATLANTIC DRIVE SCHEDULE OF QUANTITIES, CABLE PLAN

SCALE: NONE
DATE: NOVEMBER 1, 2011

DRAWN BY: JS
DRAWN BY: JS
CHECKED BY: WP