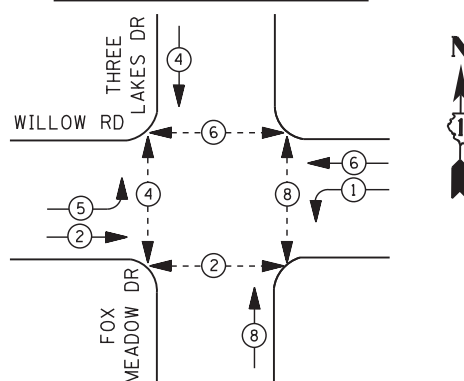


SCHEDULE OF QUANTITIES

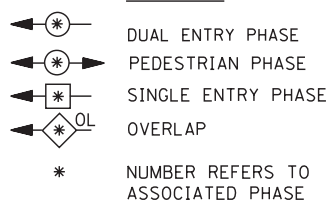
QUANTITY	UNIT	ITEM
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
725	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
39	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
60	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
587	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
4	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	TRANSCEIVER - FIBER OPTIC
1601	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
2545	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
2874	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
923	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
1707	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
45	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
781	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
12	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
38	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
25	FOOT	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER
9	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
2	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
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
11	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
7	EACH	INDUCTIVE LOOP DETECTOR
93	FOOT	DETECTOR LOOP, TYPE I
861	FOOT	PREFORMED DETECTOR LOOP
3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
9	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
888	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO 20 3/C
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
1	EACH	TRAFFIC SIGNAL POST, ALUMINUM 10FT. (SPECIAL)
1	EACH	TRAFFIC SIGNAL POST, ALUMINUM 18FT. (SPECIAL)
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT. (SPECIAL)
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 65 FT. (SPECIAL)
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 48 FT. AND 30 FT. (SPECIAL)
4	EACH	ILLUMINATED STREET NAME SIGN

* 100% VILLAGE OF NORTHFIELD COST

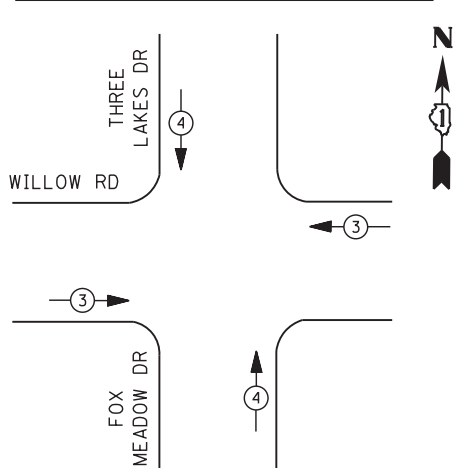
CONTROLLER SEQUENCE



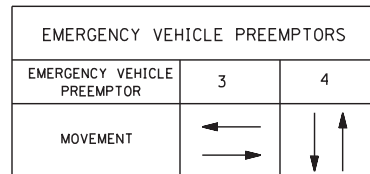
LEGEND



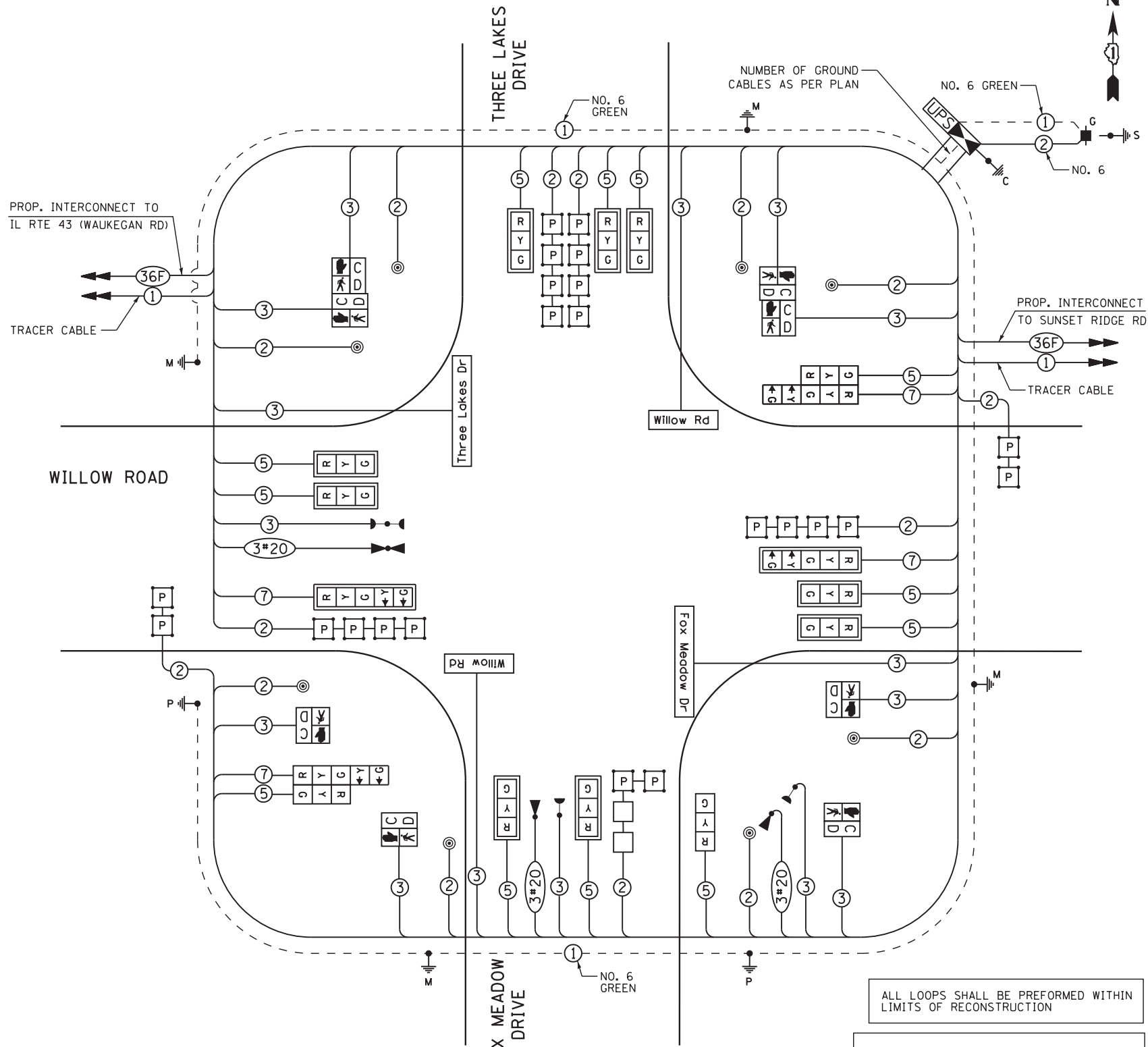
PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN



ALL LOOPS SHALL BE PREFORMED WITHIN LIMITS OF RECONSTRUCTION

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FOR COMBINATION POLE LIGHTING AND WIRING, SEE ROADWAY LIGHTING PLANS.

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

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16	135	17	0.50	136
(YELLOW)	16	135	25	0.25	100
(GREEN)	16	135	15	0.25	60
ARROW	8	135	12	0.10	10
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	4		90	0.50	180
TOTAL =					786

ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
201 W. CENTER CT.
SCHAUMBURG, IL 60196

ENERGY SUPPLY - CONTACT COMED
PHONE 630-723-2128

FILE NAME -	USER NAME - \$USER\$	DESIGNED - KMM	REVISED -
N:\Projects\312027\DesignCAD\Sheet Files\DI60T35\w\WLCabTL.dgn		DRAWN - CDC	REVISED -
		CHECKED - JDH	REVISED -
		DATE - 10/31/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, SCHEDULE OF QUANTITIES,
PHASE DESIGNATION DIAGRAM & EVP SEQUENCE
WILLOW ROAD AT THREE LAKES DRIVE / FOX MEADOW DRIVE
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920, .01, 1518, 2022 & 1922, 4BR)	COOK	919	373
ILLINOIS FED. AID PROJECT				CONTRACT NO. 60T35

TS-25