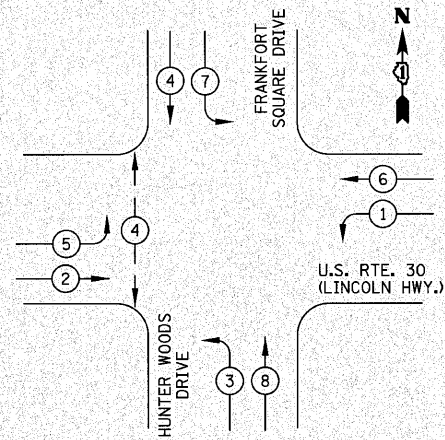
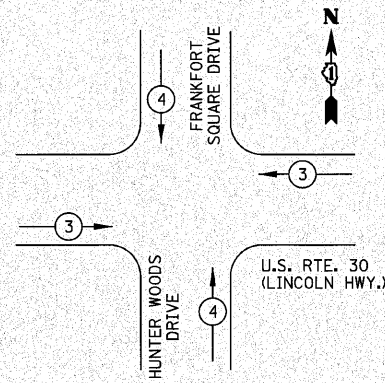


PROPOSED CONTROLLER SEQUENCE

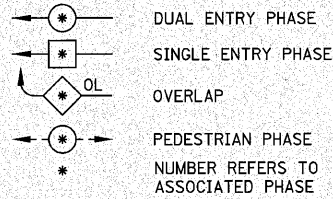


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

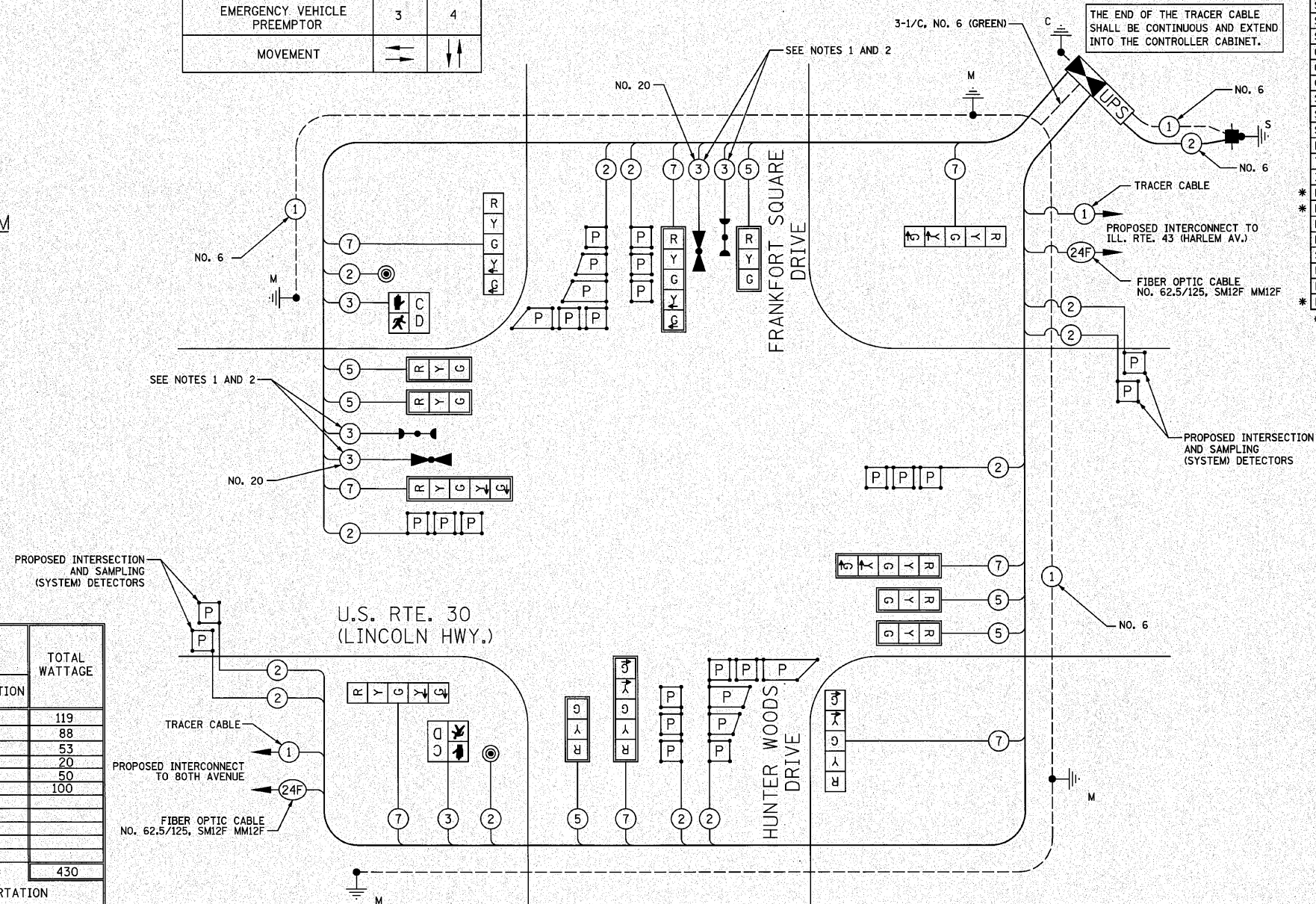


PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

LEGEND



PROPOSED PHASE DESIGNATION DIAGRAM



SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 2	SQ FT	88
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	524
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	43
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	116
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	241
CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	21
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	356
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	638
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCIVER-FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	437
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	772
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1327
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1642
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2564
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	41
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	10
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	2
PERFORMED DETECTOR LOOP	FOOT	998
SERVICE INSTALLATION-POLE MOUNTED	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	682
* ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED	FOOT	321

* 100% COST TO FRANKFORT FIRE PROTECTION DISTRICT

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	% OPERATION	
SIGNAL (RED)	14	17	0.50	119
(YELLOW)	14	25	0.25	88
(GREEN)	14	15	0.25	53
ARROW	16	12	0.10	20
PED SIGNAL	2	25	1.00	50
CONTROLLER	1	100	1.00	100
ILLUM. SIGN			0.05	
FLASHER			0.50	
TOTAL =				430

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER CT.
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: MARK ANDERSON
PHONE: 815-724-5988
COMPANY: COM.ED.

CABLE PLAN
NOT TO SCALE

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN,
PHASE DESIGNATION DIAGRAM,
EMERGENCY PREEMPTION SEQUENCE AND
SCHEDULE OF QUANTITIES
U.S. RTE. 30 (LINCOLN HWY.) &
FRANKFORT SQUARE DR./HUNTER WOODS DR.

NOT TO SCALE
DATE 6/11/2010

DESIGNED BY OJT
CHECKED BY JJE