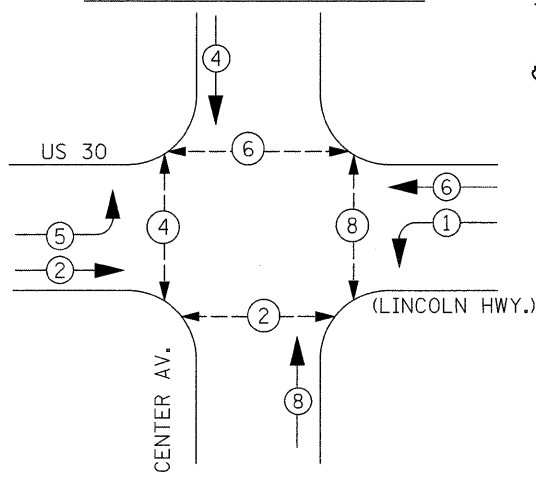
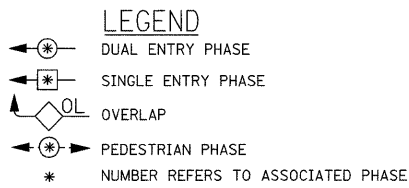


CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



NOTE:
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE ADJACENT SYSTEM.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	628
SIDEWALK REMOVAL	SQ FT	628
DETECTABLE WARNINGS	SQ FT	200
SIGN PANEL-TYPE I	SQ FT	13.5
SIGN PANEL-TYPE II	SQ FT	30
THERMOPLASTIC PAVEMENT MARKING LINE 6"	FOOT	350
THERMOPLASTIC PAVEMENT MARKING LINE 24"	FOOT	84
THERMOPLASTIC PAVEMENT MARKING REMOVAL	FOOT	112
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	102
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	388
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT IN PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	210
CONDUIT IN PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	198
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET(SPECIAL)	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	450
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	826
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1701
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	860
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	117
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	620
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIA.	FOOT	60
SIGNAL HEAD, L.E.D. 1-FACE, 3 SECTION, MAST ARM MNTD.	EACH	8
SIGNAL HEAD, L.E.D. 1-FACE, 3 SECTION, BRKT. MNTD.	EACH	4
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRKT. MNTD. with COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	378
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP TYPE I	FOOT	366
PEDESTRIAN PUSH-BUTTON	EACH	4
REMOVE ELECTRICAL CABLE FROM CONDUIT	FOOT	1220
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
SERVICE INSTALLATION, POLE MOUNT	EACH	1

PUSH BUTTON NOTES:

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
 PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
 PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)	6m+L-0.6m=	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.00
(YELLOW)	12	135	25	0.25	75.00
(GREEN)	12	135	15	0.25	45.00
ARROW	135	12	0.10		
PED. SIGNAL	8	90	25	1.00	200.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	522.00

ENERGY SUPPLY CONTACT: 708-410-5069
 PHONE: COM. EDISON
 COMPANY:

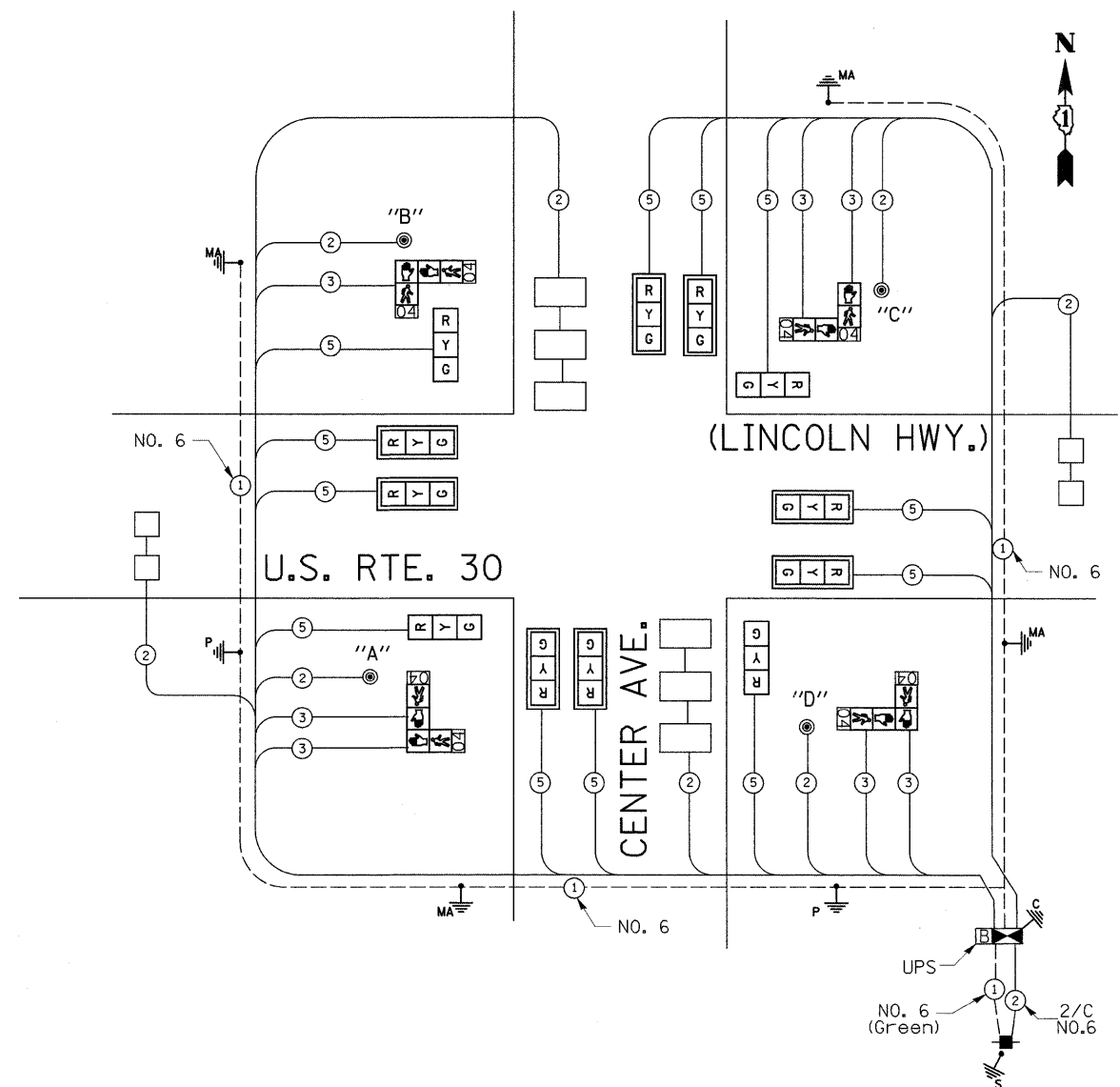
FILE NAME = USER NAME = nguyenam
 DESIGNED - REVISED -
 DRAWN - REVISED -
 CHECKED - REVISED -
 PLOT SCALE = 20,0000 ' / IN.
 DATE - REVISED -
 PLOT DATE = 3/19/2009

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED CABLE PLAN ILLINOIS RTE. 30 (ILLINOIS HWY.) @ CENTER STREET

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	2009-033 TS	COOK	49	22
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G40	



CABLE PLAN LEGEND

PROPOSED	EXISTING	DESCRIPTION	PROPOSED	EXISTING
[Symbol]	[Symbol]	12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE	[Symbol]	[Symbol]
[Symbol]	[Symbol]	12" (300mm) TRAFFIC SIGNAL SECTION	[Symbol]	[Symbol]
[Symbol]	[Symbol]	12" (300mm) PEDESTRIAN SIGNAL SECTION with COUNTDOWN TIMER	[Symbol]	[Symbol]
[Symbol]	[Symbol]	ILLUMINATED SIGN "NO LEFT TURN"	[Symbol]	[Symbol]
[Symbol]	[Symbol]	ILLUMINATED SIGN "NO RIGHT TURN"	[Symbol]	[Symbol]
[Symbol]	[Symbol]	PUSHBUTTON DETECTOR	[Symbol]	[Symbol]
[Symbol]	[Symbol]	DETECTOR LOOP	[Symbol]	[Symbol]
[Symbol]	[Symbol]	PREFORMED DETECTOR LOOP	[Symbol]	[Symbol]
[Symbol]	[Symbol]	MICROWAVE VEHICLE SENSOR	[Symbol]	[Symbol]
[Symbol]	[Symbol]	VIDEO DETECTOR	[Symbol]	[Symbol]
[Symbol]	[Symbol]	CLOSED CIRCUIT TV	[Symbol]	[Symbol]
[Symbol]	[Symbol]	EMERGENCY VEHICLE SYSTEM DETECTOR	[Symbol]	[Symbol]
[Symbol]	[Symbol]	CONFIRMATION BEACON	[Symbol]	[Symbol]
[Symbol]	[Symbol]	UNINTERRUPTIBLE POWER SUPPLY	[Symbol]	[Symbol]