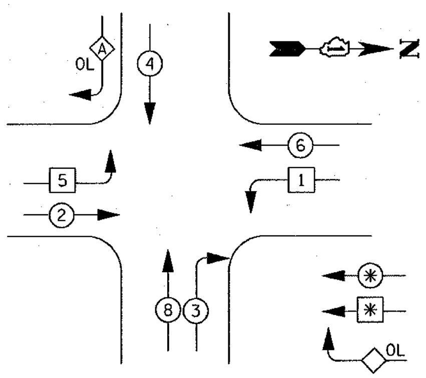
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2005-079 TS	DuPAGE	19	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60A92

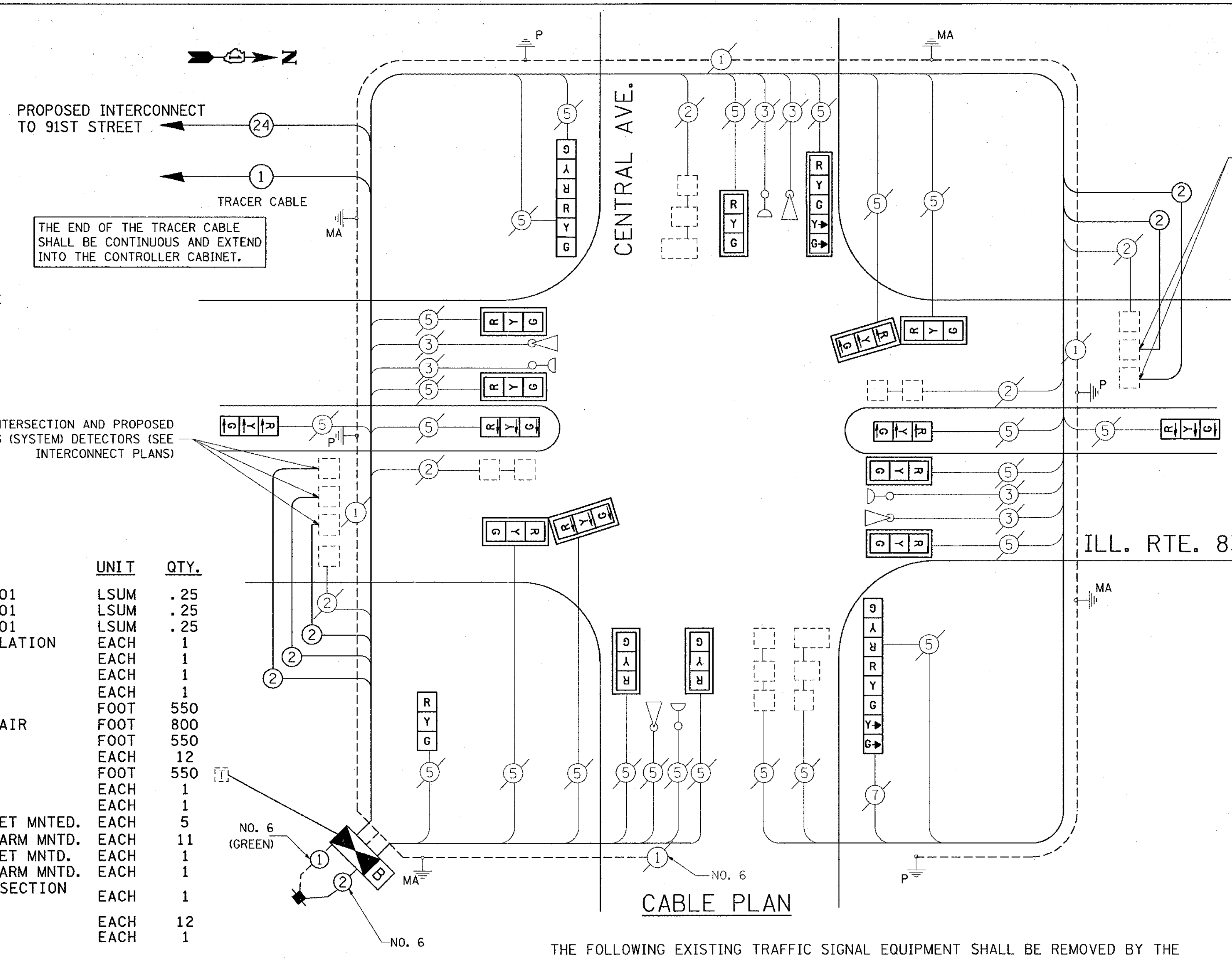
CONTROLLER SEQUENCE



LEGEND

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

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	4	+	5



SCHEDULE OF QUANTITIES

ITEM	UNIT	QTY.
TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	.25
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	.25
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	.25
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
MASTER CONTROLLER	EACH	1
TRANSCEIVER-FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING NO.6 1 C	FOOT	550
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1 PAIR	FOOT	800
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2 C	FOOT	550
INDUCTIVE LOOP DETECTOR	EACH	12
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	550
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SERVICE INSTALLATION, POLE MOUNT	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MNTED.	EACH	5
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MNTD.	EACH	11
SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MNTD.	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MNTD.	EACH	1
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION BRACKET MNTD.	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12
UNINTERRUTIBLE POWER SYSTEM	EACH	1

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS ×	WATTAGE INCAND.	WATTAGE LED	× %OPERATION	
SIGNAL (RED)	21	135	17	0.50	178.50
(YELLOW)	23	135	25	0.25	143.75
(GREEN)	23	135	15	0.25	86.25
ARROW	22	135	12	0.10	26.40
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	534.90

ENERGY COSTS TO: **ILLINOIS DEPARTMENT OF TRANSPORTATION**
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: KEVIN LABAWSKI
PHONE: 847-816-5497
COMPANY: COMMONWEALTH EDISON

FOUNDATION (DEPTH)	FT. (m)
TYPE A - POST	4 (1.2)
D - CONTROLLER	4 (1.2)
E - M. ARM POLE	
24" (600mm)	10 (3.0)
30" (750mm)	15 (4.6)

CABLE SLACK	FT. (m)
HANDHOLE	6.5 (2.0)
DOUBLE HANDHOLE	13 (4.0)
SIGNAL POST	2 (1.0)
CONTROLLER CAB.	1 (0.5)
FIBER OPTIC	13 (4.0)
ELECTRIC SERVICE	1 (0.5)
GROUND CABLE	1 (0.5)

VERTICAL	FT. (m)
ALL FOUNDATIONS	3.5 (1.0)
MAST ARM (L) POLE	20'+L-2= (6m+L-0.6m)=
BRACKET MOUNTED	13 (4.0)
PED. PUSHBUTTON	4 (1.2)
ELECTRIC SERVICE	13.5 (4.1)
SERVICE TO GROUND	13.5 (4.1)
POST MOUNTED	6 (1.8)

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATION.

1 EACH CONTROLLER AND CABINET, COMPLETE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE OF THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACTOR BID PRICE.

12 EACH SIGNAL HEAD, 3-SECTION
1 EACH SIGNAL HEAD, 5 SECTION
3 EACH SIGNAL HEAD, 2 FACE, 2-3 SECTION
1 EACH SIGNAL HEAD, 2 FACE, 1-3 SECTION, 1-5 SECTION
1 EACH SERVICE INSTALLATION
12 EACH TRAFFIC SIGNAL BACKPLATE

CABLE PLAN LEGEND

PROPOSED / EXISTING

- CONTROLLER CABINET
- RAILROAD CONTROL CABINET
- SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT
- TELEPHONE CONNECTION
- GROUND ROD AT (C) CONTROLLER, (H)HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE
- FIBER OPTIC CABLE IN CONDUIT, NUMBER OF FIBERS AS NOTED
- ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED
- GROUND CABLE IN CONDUIT NO. 6 COPPER (GREEN)
- SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD
- 12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE
- 12" (300mm) TRAFFIC SIGNAL SECTION
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- ILLUMINATED SIGN "NO LEFT TURN"
- ILLUMINATED SIGN "NO RIGHT TURN"
- PUSHBUTTON DETECTOR
- DETECTOR LOOP
- PREFORMED DETECTOR LOOP
- MICROWAVE VEHICLE SENSOR
- VIDEO DETECTOR
- CLOSED CIRCUIT TV
- EMERGENCY VEHICLE SYSTEM DETECTOR
- CONFIRMATION BEACON
- UNINTERRUPTABLE POWER SUPPLY

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED CABLE PLAN FOR IL. RTE. 83 AT CENTRAL AVE.

SCALE: VERT. HORIZ. NONE
DATE 3/16/2007

DRAWN BY BCK
DESIGNED BY: BCK
CHECKED BY DAD

PLOT DATE = 3/16/2007
USER NAME = kenthephixegbo
08:24:21 03/16/2007