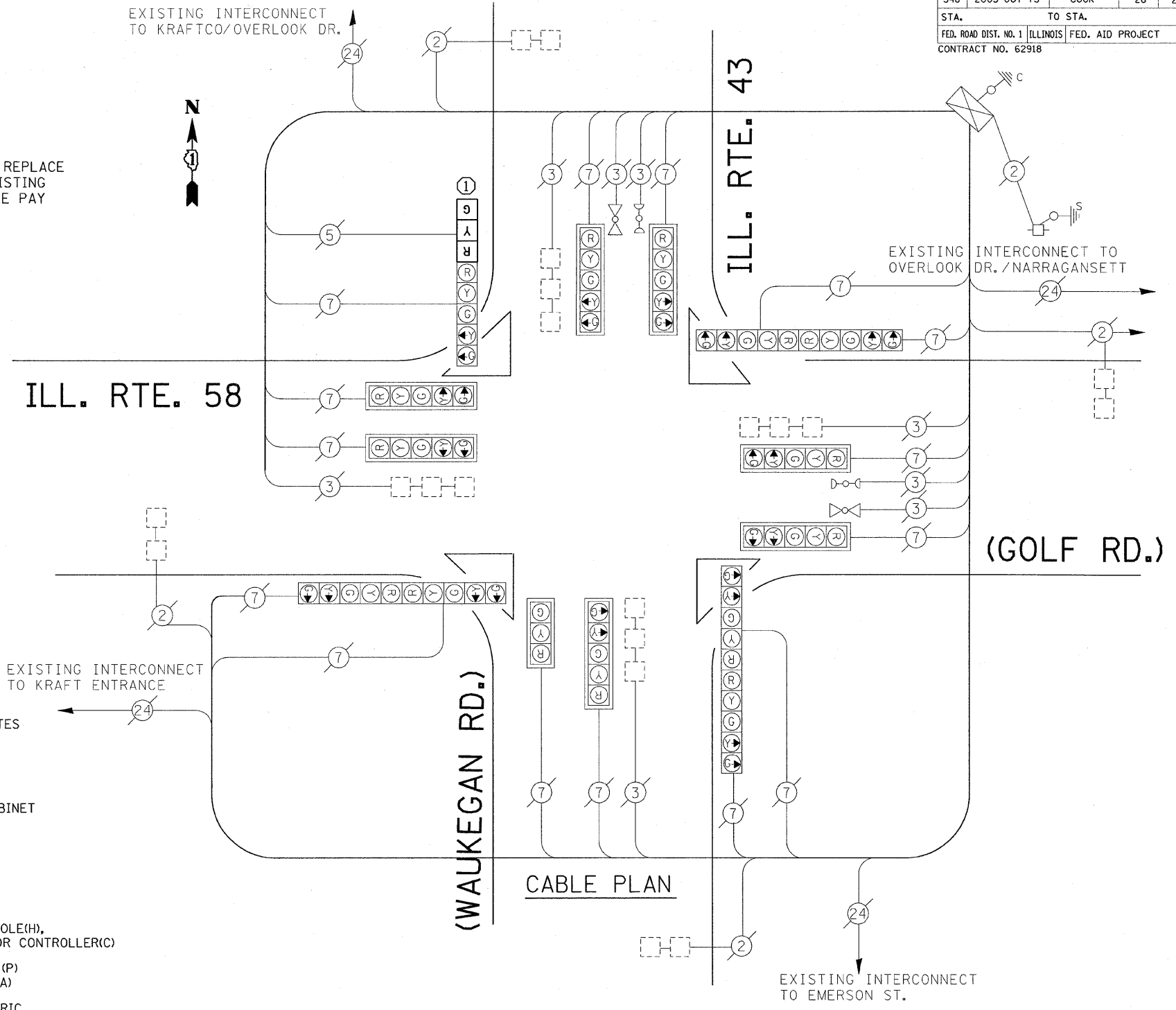


CONSTRUCTION NOTES:

① REMOVE EXISTING 8" TRAFFIC SIGNAL HEAD AND REPLACE IT WITH NEW 12" L.E.D. SIGNAL. REMOVAL OF EXISTING TRAFFIC SIGNAL HEAD SHALL BE INCLUDED IN THE PAY ITEM FOR NEW L.E.D. HEAD.

CABLE PLAN LEGEND

	EXISTING		PROPOSED		8" (200mm) TRAFFIC SIGNAL SECTION
	EXISTING		PROPOSED		12" (300mm) TRAFFIC SIGNAL SECTION
	EXISTING		PROPOSED		12" (300mm) PEDESTRIAN SIGNAL SECTION
	EXISTING		PROPOSED		12" (300mm) PEDESTRIAN SIGNAL SECTION
	EXISTING		PROPOSED		CONTROLLER CABINET
	EXISTING		PROPOSED		SERVICE INSTALLATION
	EXISTING		PROPOSED		TELEPHONE CONNECTION
	EXISTING		PROPOSED		MAGNETIC DETECTOR
	EXISTING		PROPOSED		EMERGENCY VEHICLE LIGHT DETECTOR
	EXISTING		PROPOSED		CONFIRMATION BEACON
	EXISTING		PROPOSED		PUSHBUTTON DETECTOR
	EXISTING		PROPOSED		VEHICLE DETECTOR, INDUCTION LOOP
	EXISTING		PROPOSED		GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
	EXISTING		PROPOSED		FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F



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

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	15	135	17	0.50	127.5
(YELLOW)	15	135	25	0.25	93.75
(GREEN)	15	135	15	0.25	56.25
ARROW	28	135	12	0.10	33.60
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
TOTAL =					411.10

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
CONTACT: LARRY D. SHANK
PHONE: (847) 291-3214
COMPANY: COM. EDISON

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'-H-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)

TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
SIGNAL HEAD, L.E.D. 1-FACE, 3-SECTION, BRACKET MOUNTED.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	0.11
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	0.11
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, L.E.D. 1-FACE, 3-SECTION, BRACKET MOUNTED.	EACH	1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN, PHASE DESIGNATION DIAGRAM,
EMERGENCY VEHICLE PREEMPTION SEQUENCE,
AND SCHEDULE OF QUANTITIES
ILL. 58 (GOLF RD.)
AT IL. 43 (WAUKEGANRD.)

SCALE: 1"=20'
DATE 8/21/2007

DRAWN BY BCK
DESIGN BY BCK
CHECKED BY DAD