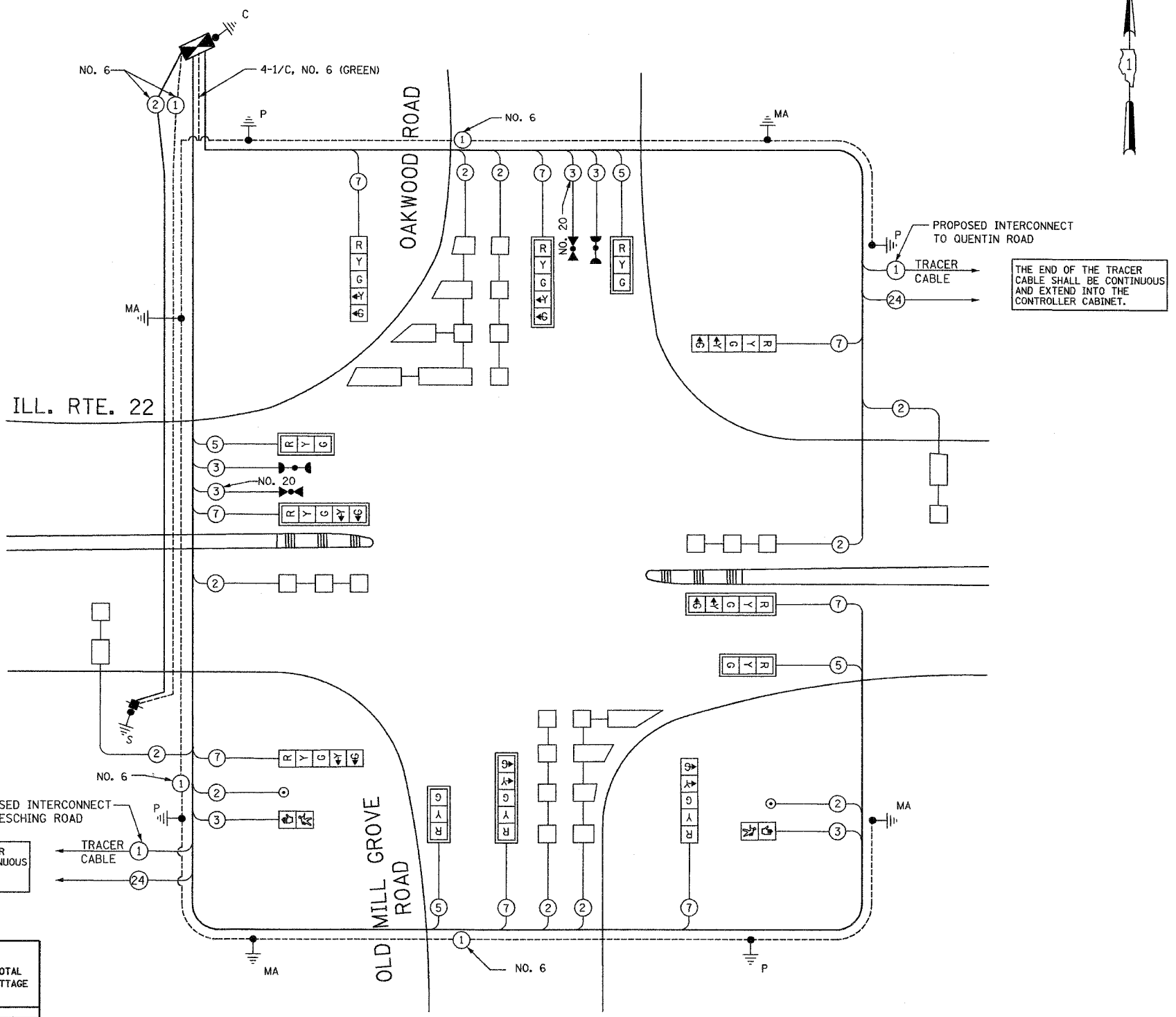


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	182
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT:	

CONTRACT NO. 62030



CABLE PLAN LEGEND

EXISTING	PROPOSED

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		%OPERATION	
SIGNAL (RED)		135	17	0.50	
(YELLOW)	12	135	25	0.25	102.0
(GREEN)	12	135	15	0.25	75.0
ARROW	12	135	12	0.10	45.0
PED. SIGNAL	16	90	25	1.00	18.2
CONTROLLER	2	100	100	1.00	50
ILLUM. SIGN	1			0.05	100
FLASHER				0.50	
TOTAL =					391.2

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

ENERGY SUPPLY CONTACT: JOAN COOK
PHONE: (847) 816-5461
COMPANY: LIBERTYVILLE OFFICE

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)
		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)

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

GO GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5980

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN
ILLINOIS ROUTE 22
AT OAKWOOD ROAD-OLD MILL GROVE ROAD

SCALE: NONE
DATE: MARCH 11, 2005

DRAWN BY: JK
DESIGNED BY: BB
CHECKED BY: PKG

CABLE PLAN
NOT TO SCALE