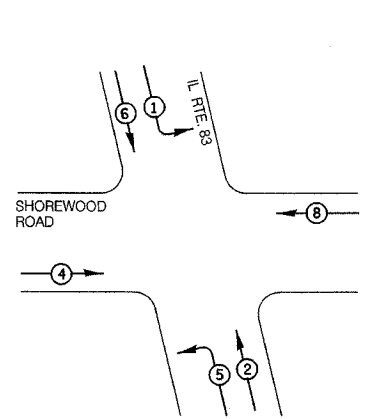
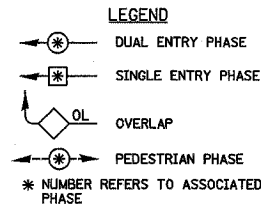


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	2005-057TS	LAKE	20	12
STA.		TO STA.		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 60A46				

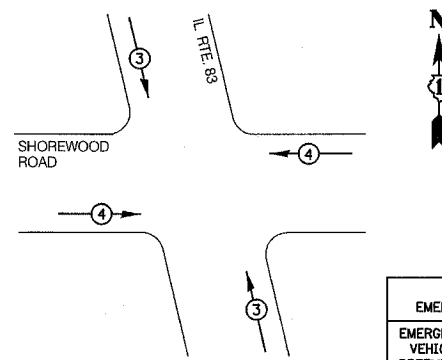
CONTROLLER SEQUENCE



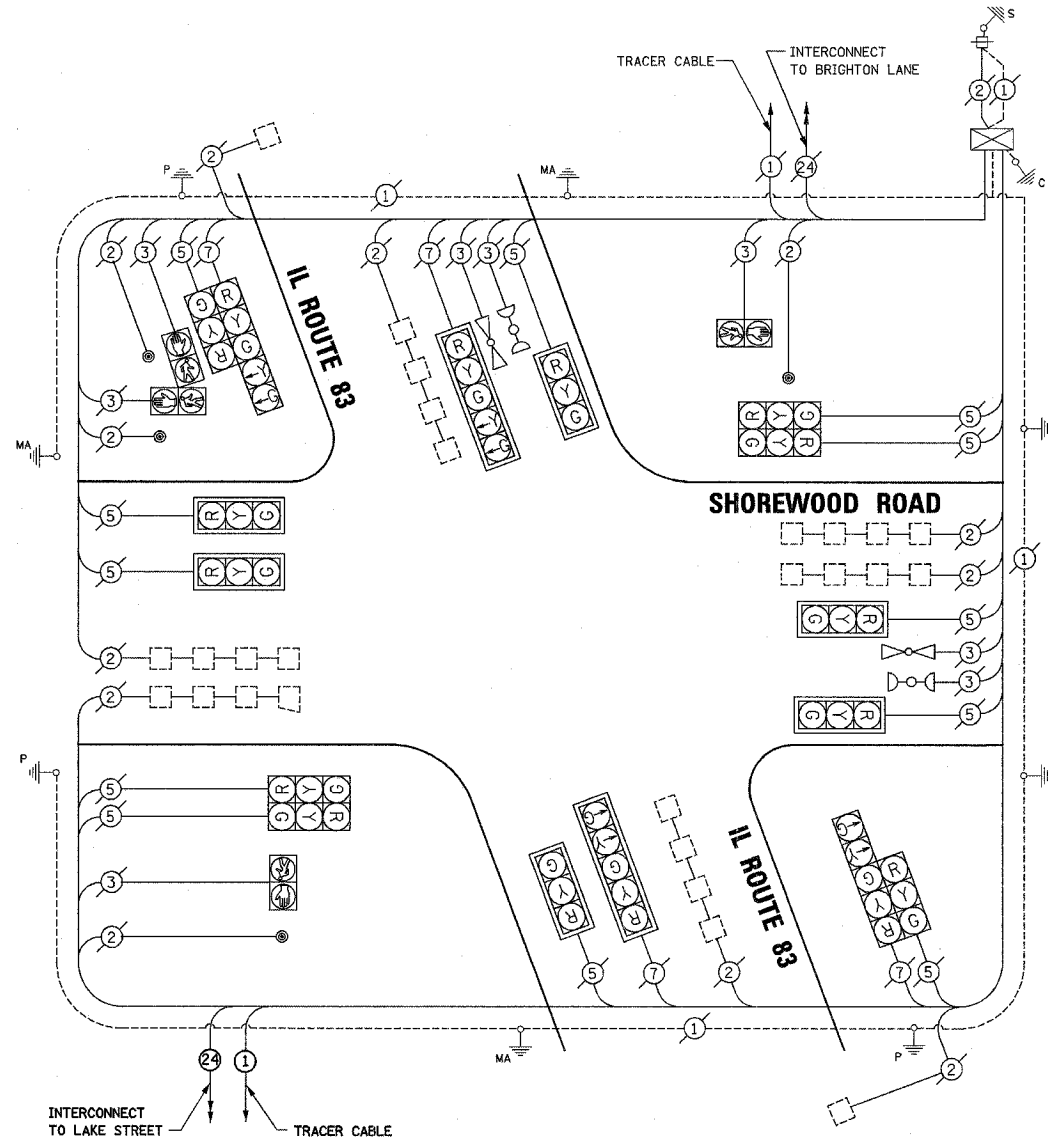
PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE



	EXISTING	EMERGENCY
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		



NOTE:
THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	0.5
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1

CABLE PLAN LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	X% OPERATION	
SIGNAL (RED)	16	135	17	0.50	136.0
(YELLOW)	16	135	25	0.25	100.0
(GREEN)	16	135	15	0.25	60.0
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	100	100	1.00	100.0
TOTAL =					405.6

ENERGY COSTS - BILLED TO: ILLINOIS DEPT. OF TRANSPORTATION
 (ADDRESS) 201 WEST CENTER COURT
 SCHALMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY - CONTACT: JUDY SCHOMER
 PHONE: (847) 870-2063
 COMPANY: COM ED

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 - FOUNDATION	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20' + L - 2 = (6m+L-0.6m)=
C - M. ARM POLE	2 (0.6)	SIGNAL POST	1 (0.3)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.3)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
		ELECTRIC SERVICE	1 (0.3)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.3)	POST MOUNTED	6 (1.8)

STON ENGINEERING
 TRIP SERVICE CORPORATION
 CIVIL ENGINEERS

19 S. BOTHWELL STREET
 PALATINE, ILLINOIS 60067
 VOICES: 847-776-7200 FAX: 847-776-7239

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 EMERGENCY VEHICLE PREEMPTION SEQUENCE
 AND SCHEDULE OF QUANTITIES
 IL ROUTE 83 AT
 SHOREWOOD ROAD
 GRAYSLAKE, ILLINOIS

SCALE: N.T.S. DRAWN BY CWC
 DATE: 5-26-06 DESIGNED BY VO
 CHECKED BY TJM