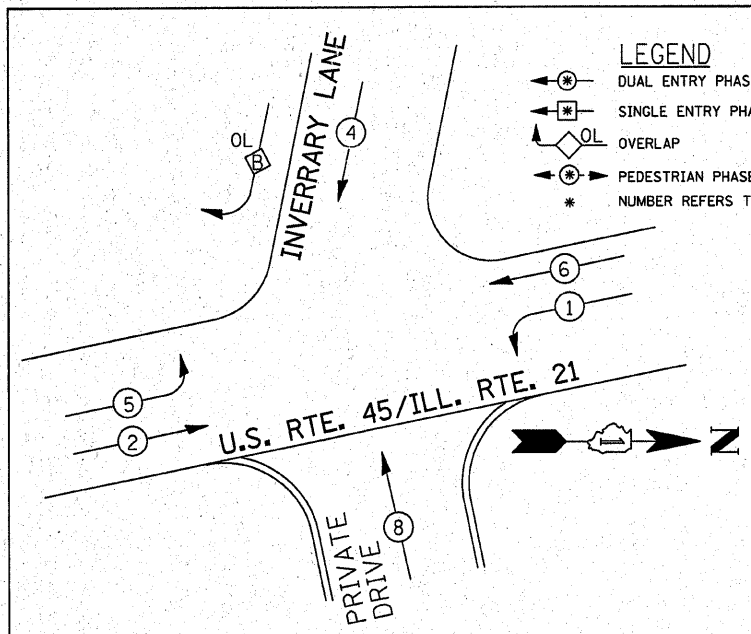


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	1Y-B-R-1	LAKE	121	93
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT #: 62032				

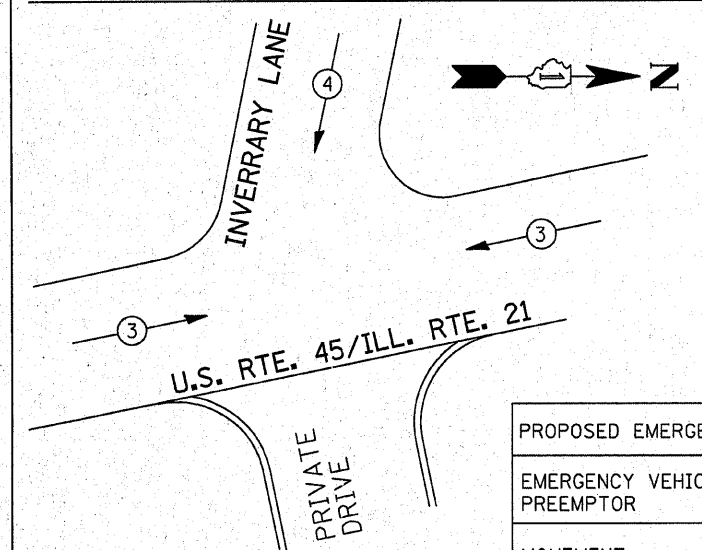


**EXISTING PHASE DESIGNATION DIAGRAM**

OVERLAP LETTER = PERMISSIVE PHASE + PROTECTED PHASE

B = 4 + 5

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	
MOVEMENT	↔	↓	

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	11	135	17	0.50	742.50
(YELLOW)	11	135	25	0.25	371.25
(GREEN)	11	135	15	0.25	371.25
ARROW	12	135	12	0.10	162.00
PED. SIGNAL	90	25		1.00	
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 1747.00

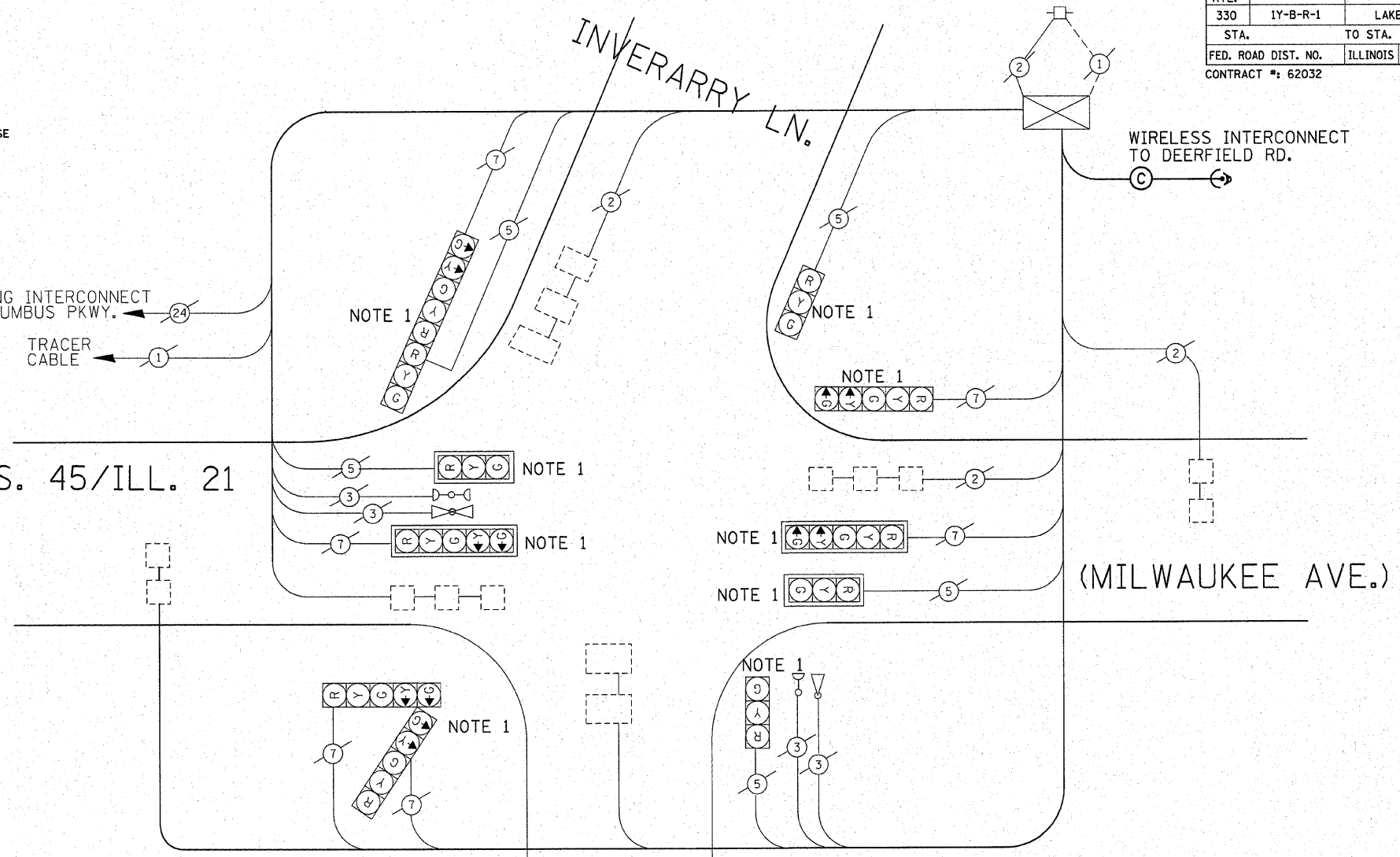
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHAMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
COMPANY: \_\_\_\_\_

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'HL-2'=
E - M. ARM POLE		SIGNAL POST	2 (0.6)	16m+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)

EXISTING INTERCONNECT TO COLUMBUS PKWY.  
TRACER CABLE

U.S. 45/ILL. 21



**CABLE PLAN**

**CONSTRUCTION NOTES:**  
NOTE 1 - REPLACE EXISTING HEAD(S) WITH NEW L.E.D. SIGNAL HEAD(S).

**TEMPORARY CABLE DIAGRAM LEGEND**

	PROPOSED	EXISTING
TEMPORARY CONTROLLER CABINET	☒	☒
TEMPORARY SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT	☐ <sup>P</sup>	☐ <sup>P</sup>
TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION, 12" (300 mm)	☒	☒
12" (300 MM) PEDESTRIAN SIGNAL SECTION	☒	☒
ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED	②	②
PEDESTRIAN PUSHBUTTON DETECTOR	⊙	⊙
VEHICLE DETECTOR, INDUCTION LOOP	☐	☐
MICROWAVE VEHICLE SENSOR	☒	☒
VIDEO DETECTOR	☒	☒
CLOSED CIRCUIT TV	☒	☒
EMERGENCY VEHICLE SYSTEM DETECTOR	☒	☒
CONFIRMATION BEACON	☒	☒
WIRELESS INTERCONNECT ANTENNA	☒	☒

**SCHEDULE OF QUANTITIES**

QUANTITY	UNIT	ITEM
1	EACH	WIRELESS INTERCONNECT

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TEMPORARY CABLE PLAN US RTE. 45/ILL. RTE. 21 (MILWAUKEE AVE.) @ INVERRARY LN.
NAME	DATE	
		DRAWN BY: BCK DESIGNED BY: BCK CHECKED BY: DAD

DATE: 12/27/2007