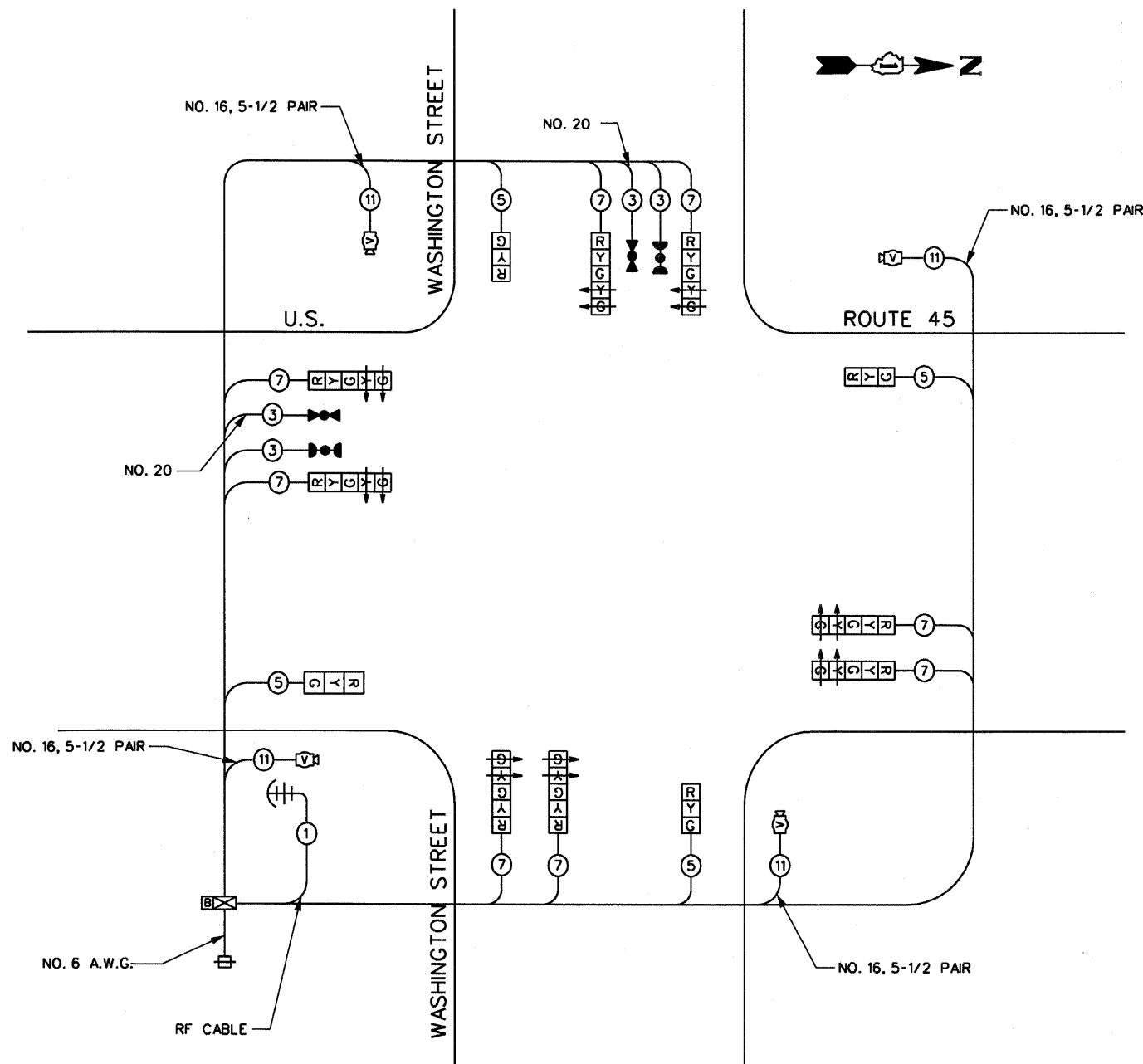


RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
344	(46-1S&47)WRS-2	LAKE	234	148
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60956				

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

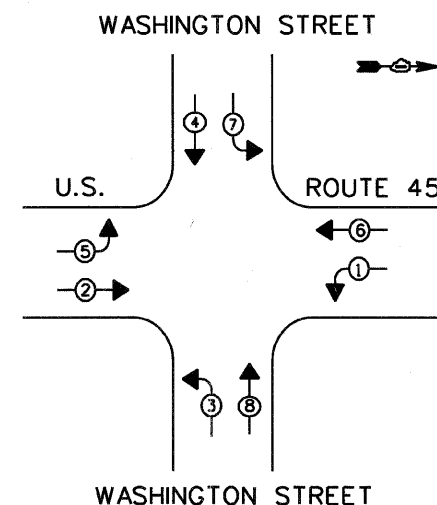


**TEMPORARY CABLE PLAN**  
NOT TO SCALE

**TEMPORARY CABLE DIAGRAM LEGEND**

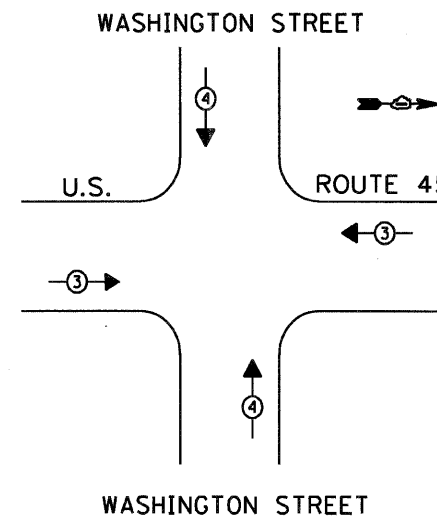
- [R] TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION, 12"
- [X] TEMPORARY CONTROLLER CABINET
- [S] TEMPORARY SERVICE INSTALLATION
- (5) INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- ▶ EMERGENCY VEHICLE LIGHT DETECTOR
- ▶ CONFIRMATION BEACON
- [V] VIDEO DETECTOR
- [U] TEMPORARY UPS
- [A] RADIO INTERCONNECT ANTENNA

**TEMPORARY CONTROLLER SEQUENCE**



**PHASE DESIGNATION DIAGRAM**

**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**



TEMPORARY EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	
MOVEMENT	←	↑	

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	x WATTAGE		x % OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	16	135	12	0.10	20
PED. SIGNAL	0	90	25	1.00	0
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		64		0.05	0
FLASHER	0			0.50	0
TOTAL =					342

ENERGY COSTS TO:  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 W. CENTER COURT  
SHALMBURG, IL 60196

ENERGY SUPPLY CONTACT: MS. LOIS HICKS  
PHONE: (847) 816-5489  
COMPANY: COMMONWEALTH EDISON 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)
C-CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20+L-2=
E-MAST ARM POLE		SIGNAL POST	2 (4.0)	(6m+L-0.6m)±	
24" (600 mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750 mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900 mm)	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)

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TEMPORARY TRAFFIC SIGNAL CABLE PLAN**

**PHASE DESIGNATION DIAGRAM**  
U.S. ROUTE 45 & WASHINGTON STREET  
STAGES I, II, AND III

HORIZ. 10 0 10

SCALE IN FEET

DATE 12/14/09  
DRAWN BY MB/AJP  
CHECKED BY KMM

REVISIONS	
NAME	DATE