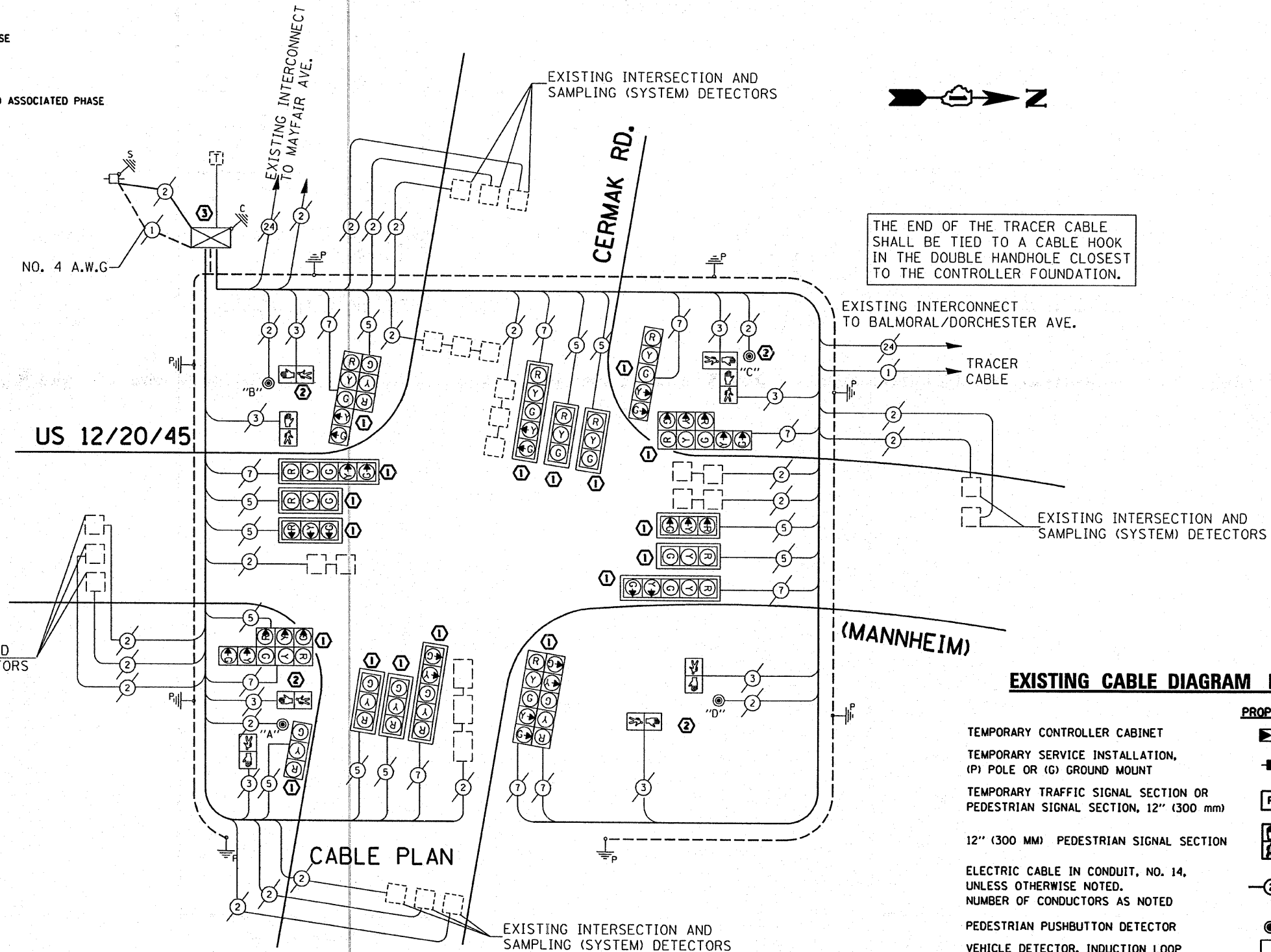


**LEGEND**  
 DUAL ENTRY PHASE  
 SINGLE ENTRY PHASE  
 OVERLAP  
 PEDESTRIAN PHASE  
 \* NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM



THE END OF THE TRACER CABLE SHALL BE TIED TO A CABLE HOOK IN THE DOUBLE HANDHOLE CLOSEST TO THE CONTROLLER FOUNDATION.

**EXISTING CABLE DIAGRAM LEGEND**

	PROPOSED	EXISTING
TEMPORARY CONTROLLER CABINET		
TEMPORARY SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT		
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		
PEDESTRIAN PUSHBUTTON DETECTOR		
VEHICLE DETECTOR, INDUCTION LOOP		
MICROWAVE VEHICLE SENSOR		
VIDEO DETECTOR		
CLOSED CIRCUIT TV		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
TELEPHONE CONNECTION		

**PUSH-BUTTON NOTE:**  
 PUSH-BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4  
 PUSH-BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6  
 PUSH-BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8  
 PUSH-BUTTON "C" SHALL PLACE A CALL IN PHASES 8 AND 2

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

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

TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	22	135	17	0.50	
(YELLOW)	22	135	25	0.25	
(GREEN)	22	135	15	0.25	
ARROW	32	135	12	0.10	
PED. SIGNAL	8	90	25	1.00	
CONTROLLER	1	100	100	1.00	
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
<b>ENERGY COSTS TO:</b>				<b>TOTAL =</b>	

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)
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)

ENERGY SUPPLY CONTACT: DENNIS HREBY  
 PHONE: (815) 334-3313  
 COMPANY: COM. EDISON

FILE NAME: c:\projects\traffic\070027\us12\_20\_45.dgn  
 USER NAME: kanthapixajbc  
 PLOT SCALE: 1/8" = 1'-0"  
 PLOT DATE: 10/18/2008

DESIGNED - BCK  
 DRAWN - BCK  
 CHECKED - DAD  
 DATE -  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING CABLE PLAN  
 US 12/20/45 (MANNHEIM) @ CERMAK RD.  
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 330 SECTION 2008-006 TS COUNTY COOK TOTAL SHEETS 100 SHEET NO. 89  
 ILLINOIS FED. AID PROJECT CONTRACT NO. 60E31