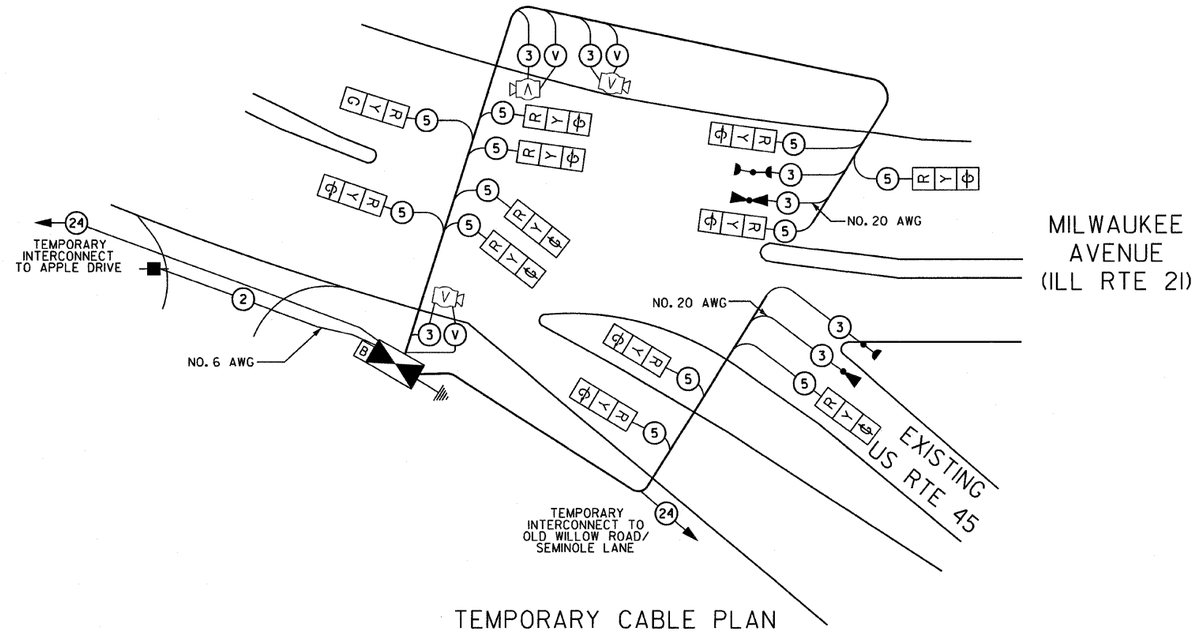
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	3268F-R-1	COOK	279	177
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62387

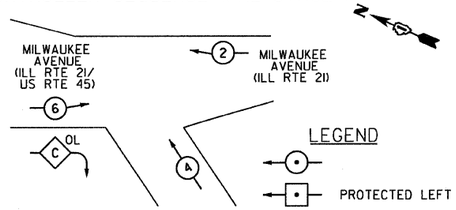
TEMPORARY CABLE PLAN LEGEND

- R — TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm) ("L" DENOTES LOUVERED SIGNAL HEAD)
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- TEMPORARY CONTROLLER CABINET
- B — TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
- TEMPORARY SERVICE INSTALLATION
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PUSH-BUTTON DETECTOR
- V — VIDEO VEHICLE DETECTOR
- (2) — DENOTES NUMBER OF CONDUCTORS ALL CABLE NO.14 EXECPT AS INDICATED ALL LOOP DETECTOR CABLE TO BE SHIELDED
- (24) — FIBER OPTIC CABLE NO. 62.5/125 MMI2F SMI2F
- (V) — VIDEO DETECTOR CABLE PER VIDEO SYSTEM MANUFACTURER'S RECOMMENDATION
- GROUND ROD



TEMPORARY CABLE PLAN

CONTROLLER SEQUENCE (PRE-STAGE I)



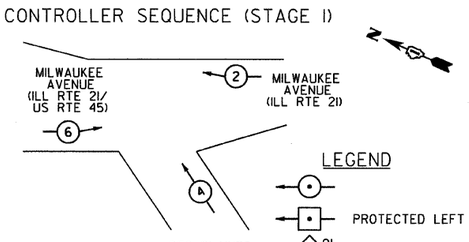
LEGEND

- PROTECTED LEFT TURN PHASE
- OL — OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM

OVERLAP LETTER		PERMISSIVE PHASE	PROTECTED PHASE
C	=	CONSTANT GREEN	

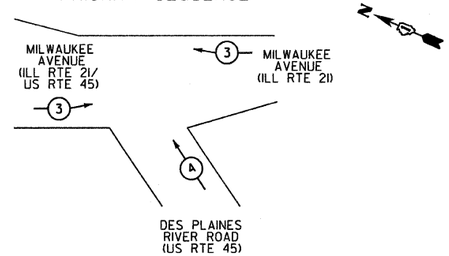
CONTROLLER SEQUENCE (STAGE I)



LEGEND

- PROTECTED LEFT TURN PHASE
- OL — OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

EMERGENCY VEHICLE PRIORITY SEQUENCE



EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	⇄	↖

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
		WATTAGE			
TYPE	NO. OF LAMPS	INCAND.	LED	% OPERATION	
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW		135	12	0.10	
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252		0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	322

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 WEST CENTER COURT / SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: MS. JUDY SCHOMER
PHONE: (847) 870-2056
COMPANY: COMED

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" (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)
			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)

NOTE:
THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE "ECONOLITE" BRAND TO MATCH THE EXISTING SYSTEM.

SPAAN Tech, Inc.
311 S. Wacker Drive, Suite 2400
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web: www.SpaanTech.com

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND
TEMPORARY PHASE DESIGNATION DIAGRAM
MILWAUKEE AVENUE (US RTE 45/ILL RTE 21)
AT DES PLAINES RIVER ROAD (US RTE 45)
PRE-STAGE I AND STAGE I

SCALE: NONE
DATE: 02/05/08
DRAWN BY: RAS
DESIGN BY: RAS
CHECKED BY: ADO

default
untitled
07637.000 - ILL Rte 21 - IDOT Dist 1
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