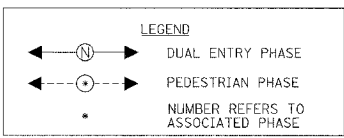
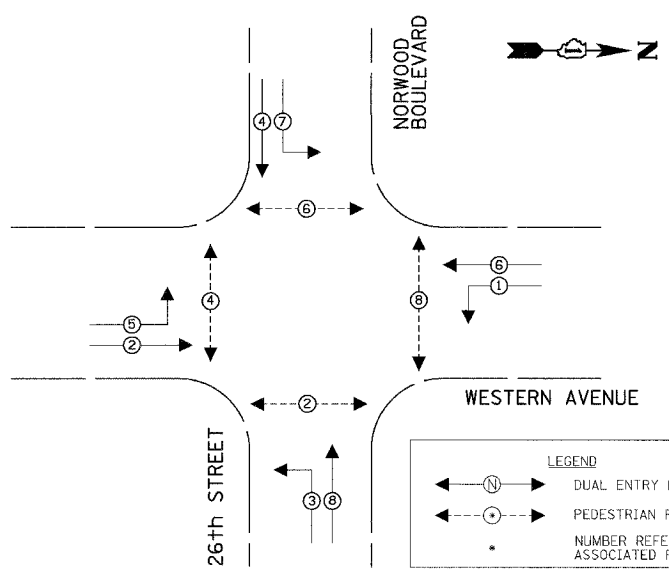


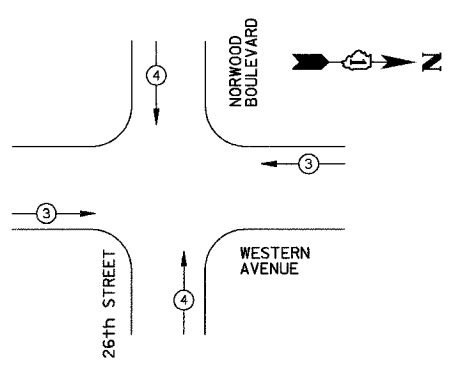
PREPARED BY:
CEMCON, Ltd.
 Consulting Engineers, Land Surveyors & Planners
 2280 White Oak Circle, Suite 100
 Naperville, IL 60563
 Phone: 630-462-7000
 Fax: 630-462-7001
 E-Mail: cec@cemcon.com WebSite: www.cemcon.com

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	3152WRS	COOK	195	99
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
			CONTRACT NO.	62742

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

EMERGENCY VEHICLE PREEMPTION SEQUENCE

TEMPORARY CABLE DIAGRAM LEGEND

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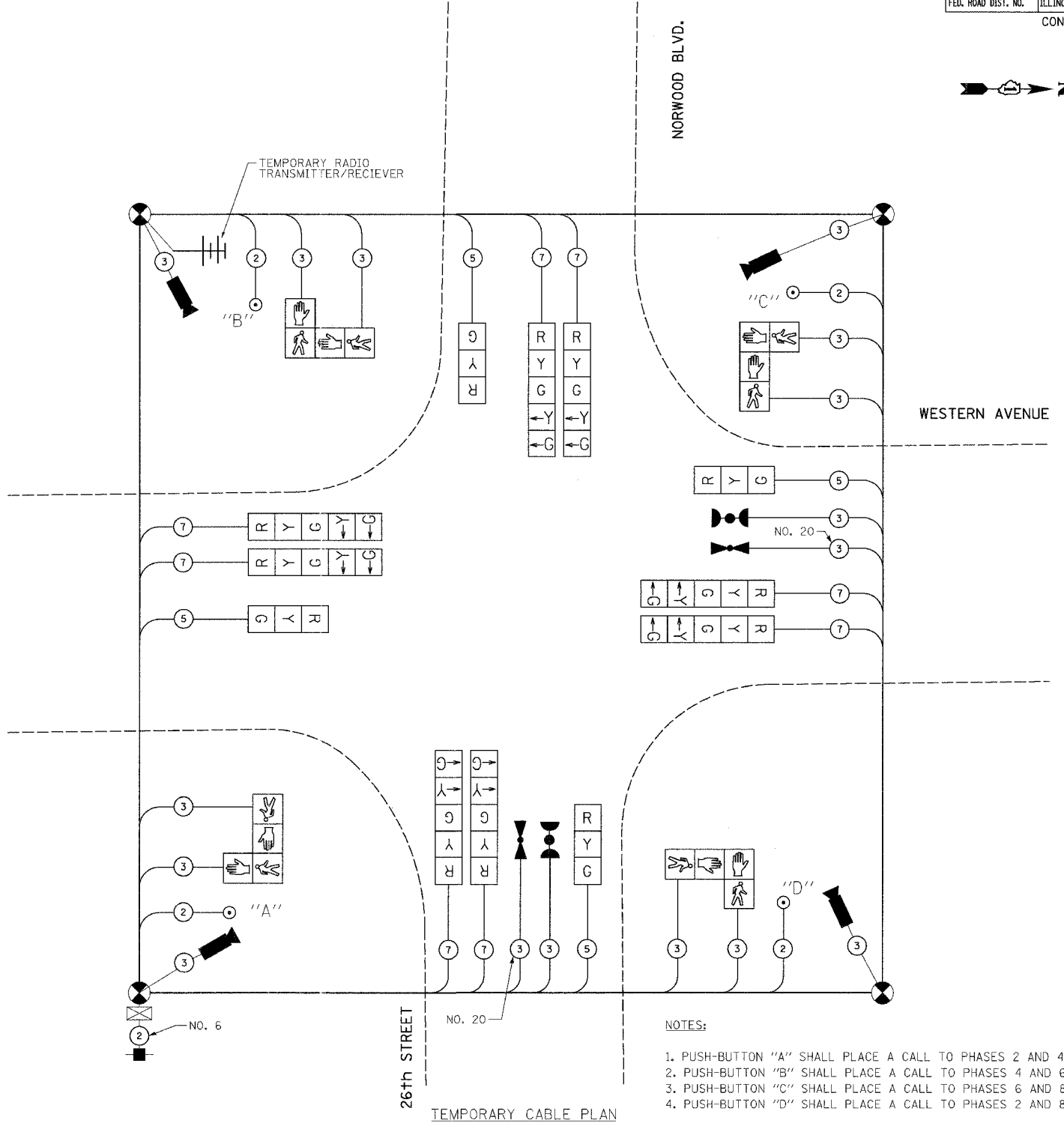
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	TOTAL WATTAGE
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	19.2
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
TOTAL =					541.2

ENERGY COSTS TO: 50% IDOT
 50% VILLAGE OF PARK FOREST
 330 VICTORY DRIVE
 PARK FOREST, ILLINOIS 60466

ENERGY SUPPLY CONTACT: Jim Werner
 PHONE: (708) 235-2694
 COMPANY: Commonwealth Edison

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.0 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20.0 (6.0)
E - M. ARM POLE		SIGNAL POST	0 (0.0)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	0 (0.0)	PED. PUSH-BUTTON	6 (2.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
		ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	13 (4.0)



- NOTES:**
- PUSH-BUTTON "A" SHALL PLACE A CALL TO PHASES 2 AND 4.
 - PUSH-BUTTON "B" SHALL PLACE A CALL TO PHASES 4 AND 6.
 - PUSH-BUTTON "C" SHALL PLACE A CALL TO PHASES 6 AND 8.
 - PUSH-BUTTON "D" SHALL PLACE A CALL TO PHASES 2 AND 8.

- NOTES:**
- CABLES FOR VIDEO DETECTION AND RADIO ANTENNAS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURERS OF THE EQUIPMENT.
 - THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE".

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAM

WESTERN AVE AT NORWOOD BLVD/26TH ST

SCALE: VERT. NONE
 HORIZ. 1"=20'
 DATE 5/17/2007

DRAWN BY JLA
 DESIGNED BY KK/BPT
 CHECKED BY JTL/BPT

PLOT DATE = 5/19/2007
 PLOT SCALE = 1"=20'
 USER NAME = JLA