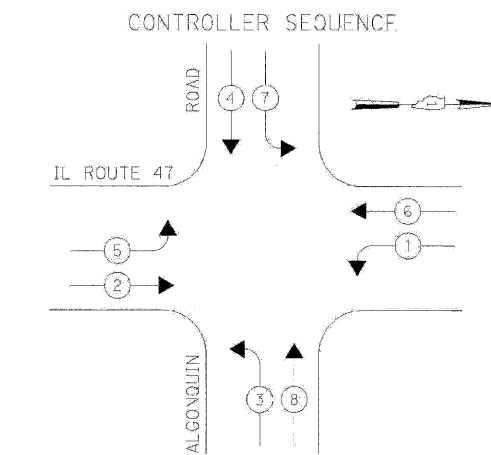
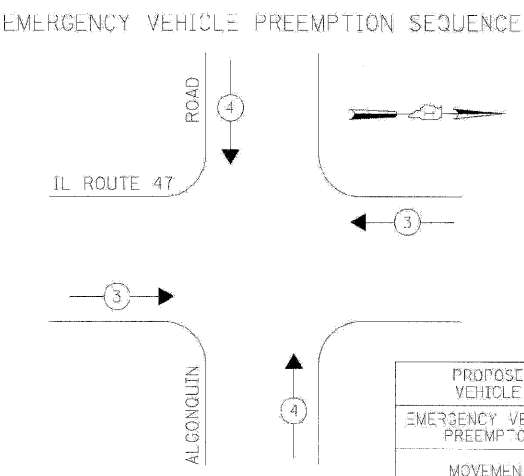
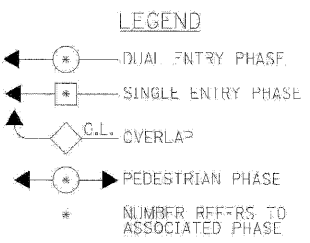


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326		McHENRY	502	297
STA. 9+35.22		TO STA.142+08.53		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

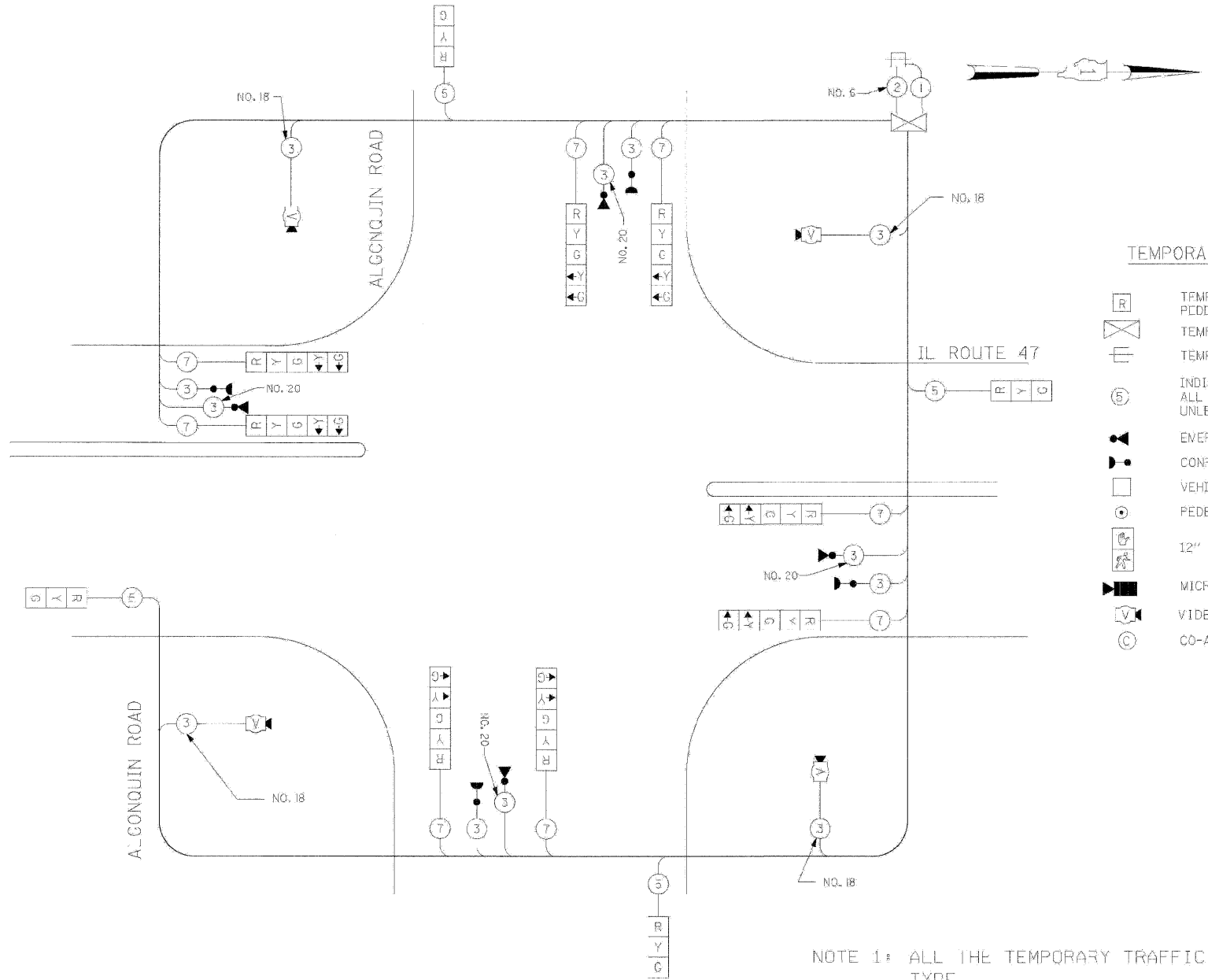


TEMPORARY PHASE DESIGNATION DIAGRAM
 STAGES: PRE-STAGE, STAGE 1, STAGE 1B, STAGE 2, AND STAGE 2B



STAGES: PRE-STAGE, STAGE 1, STAGE 1B, STAGE 2, AND STAGE 2B

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑



TEMPORARY CABLE DIAGRAM LEGEND

- [R] TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- [C] 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.
- [V] EMERGENCY VEHICLE LIGHT DETECTOR
- [B] CONFIRMATION BEACON
- [D] VEHICLE DETECTOR, INDUCTION LOOP
- [P] PEDESTRIAN PUSHBUTTON DETECTOR
- [P2] 12" (300mm) PEDESTRIAN SIGNAL SECTION
- [M] MICROWAVE VEHICLE SENSOR
- [V2] VIDEO CAMERA ASSEMBLY
- [C2] CO-AXIAL VIDEO CABLE

TEMPORARY CABLE PLAN

STAGES: PRE-STAGE, STAGE 1, STAGE 1B, STAGE 2, AND STAGE 2B

- NOTE 1: ALL THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE LED TYPE.
- NOTE 2: ALL THE VIDEOS DETECTION ZONES SHALL BE REDEFINED FOR EACH CONSTRUCTION STAGE. THIS WORK IS INCIDENTAL TO THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION."

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

TYPE	NO LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		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	6	135	12	0.10	19.2
PED. SIGNAL		90	25	1.00	
CONJUNCTION	1	100	100	1.00	100
ILLUM. SIGN				0.05	
FLASHER				0.50	
TOTAL =					341.2

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196-1086
 ENERGY SUPPLY CONTACT: KATIE OLIVA
 PHON: (847) 608-2338
 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	3.5 (1.0)
C-CONTROLLER W/UPS	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (3) POLE	20' H-2"
D-CONTROLLER	4 (1.2)	SIGNAL POST	2 (0.6)	BRACKET MOUNTED	6m H-0.6m
E-ARM POLE		CONJUNCTION CAB.	1 (0.3)	FIBER OPTIC	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.3)	SERVICE TO GROUND	13.5 (4.1)
42" (1050mm)	25 (7.6)	GROUND CABLE	1 (0.3)	POST MOUNTED	6 (1.8)

NAME	DATE

gg SANDH AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 8055 N. NORTHWEST HIGHWAY
 SUITE 303
 CHICAGO, ILLINOIS 60631 TEL: (773) 774-590

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE
 ILLINOIS ROUTE 47 AT ALCONQUIN RD
 PRE-STAGE, STAGE 1, STAGE 1B, STAGE 2, AND STAGE 2B
 (SHEET 2 OF 4)
 SCALE: N.T.S.
 DATE: APRIL 17, 2009
 DRAWN BY: ME,MA,YB
 DESIGNED BY: PKG/RRM
 CHECKED BY: PKG/RRM