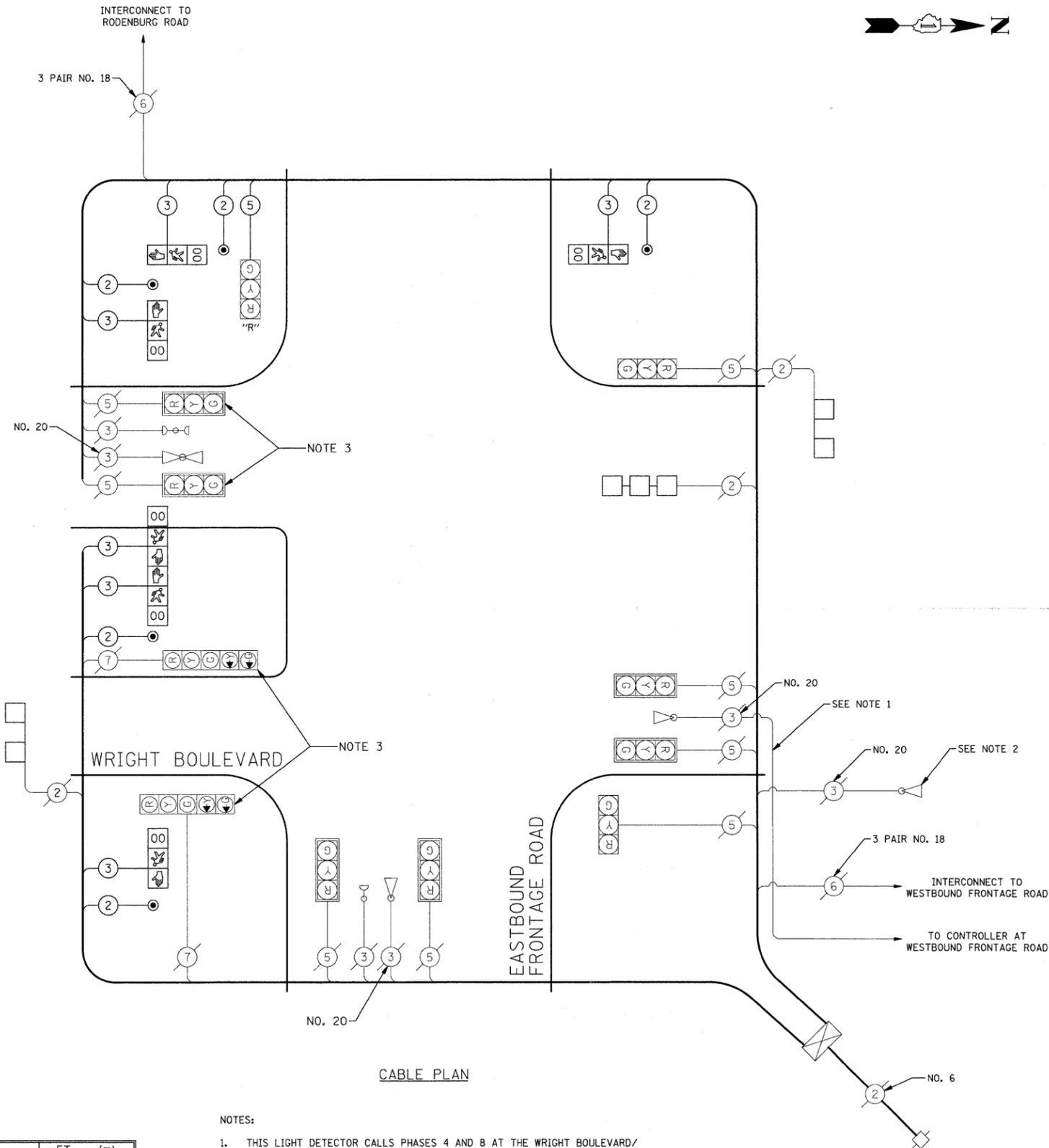


CABLE PLAN LEGEND

- EXISTING PROPOSED
- 8" (200mm) TRAFFIC SIGNAL SECTION
  - 12" (300mm) TRAFFIC SIGNAL SECTION
  - 12" (300mm) PEDESTRIAN SIGNAL SECTION
  - 16" X 18" PEDESTRIAN SIGNAL WITH COUNTDOWN TIMER
  - CONTROLLER CABINET
  - SERVICE INSTALLATION
  - TELEPHONE CONNECTION
  - MAGNETIC DETECTOR
  - EMERGENCY VEHICLE LIGHT DETECTOR
  - CONFIRMATION BEACON
  - PUSHBUTTON DETECTOR
  - VEHICLE DETECTOR, INDUCTION LOOP
  - MICROWAVE VEHICLE SENSOR
  - SIGNAL FACE WITH BACKPLATE, "R" INDICATES PROGRAMMED HEAD
  - RAILROAD CONTROL CABINET
  - ILLUMINATED SIGN "NO LEFT TURN"
  - ILLUMINATED SIGN "NO RIGHT TURN"
  - GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (HH), OR CONTROLLER (C).
  - GROUND ROD AT POST (P), OR MAST ARM POLE (MA).
  - GROUND ROD AT ELECTRIC SERVICE INSTALLATION
  - GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
  - "R" RELOCATED SIGNAL EQUIPMENT



CABLE PLAN

NOTES:

- THIS LIGHT DETECTOR CALLS PHASES 4 AND 8 AT THE WRIGHT BOULEVARD/WESTBOUND FRONTAGE ROAD INTERSECTION.
- THIS LIGHT DETECTOR IS MOUNTED ON THE SOUTHBOUND MAST ARM AT THE WRIGHT BOULEVARD/WESTBOUND FRONTAGE ROAD INTERSECTION, AND CALLS PHASES 4 AND 8 AT THIS INTERSECTION.
- THESE SIGNAL HEADS SHALL BE BAGGED AND PHASES 4 AND 7 DISCONNECTED THROUGHOUT THE DURATION OF THE SOUTHBOUND WRIGHT BOULEVARD CLOSURE.

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

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	11	17		0.50	94
(YELLOW)	11	25		0.25	69
(GREEN)	11	15		0.25	41
ARROW	4	12		0.10	5
PED. SIGNAL	6	25		1.00	150
CONTROLLER	1	100		1.00	100
TOTAL =					459

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHAUMBURG, IL 60196-1096  
CONTACT: MARK GLOECKLE  
PHONE: (630) 691-4529  
COMPANY: COM ED

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 (2.0)
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)

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USER NAME = jat  
DESIGNED - BRD  
DRAWN - OJT  
CHECKED - JJE  
PLOT DATE = 10/15/2009  
DATE = 10-16-09

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN  
WRIGHT BOULEVARD AT EASTBOUND FRONTAGE ROAD

SCALE: N.T.S. SHEET NO. 7 OF 25 SHEETS

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1351	06-00090-00-PV	COOK	137	75

CONTRACT NO. 63378  
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-M-8003 (809)

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	BY	
	DATE	