NOTES:

1. THIS LIGHT DETECTOR CALLS PHASES 4 AND 8 AT THE WRIGHT BOULEVARD/ EASTBOUND FRONTAGE ROAD INTERSECTION.

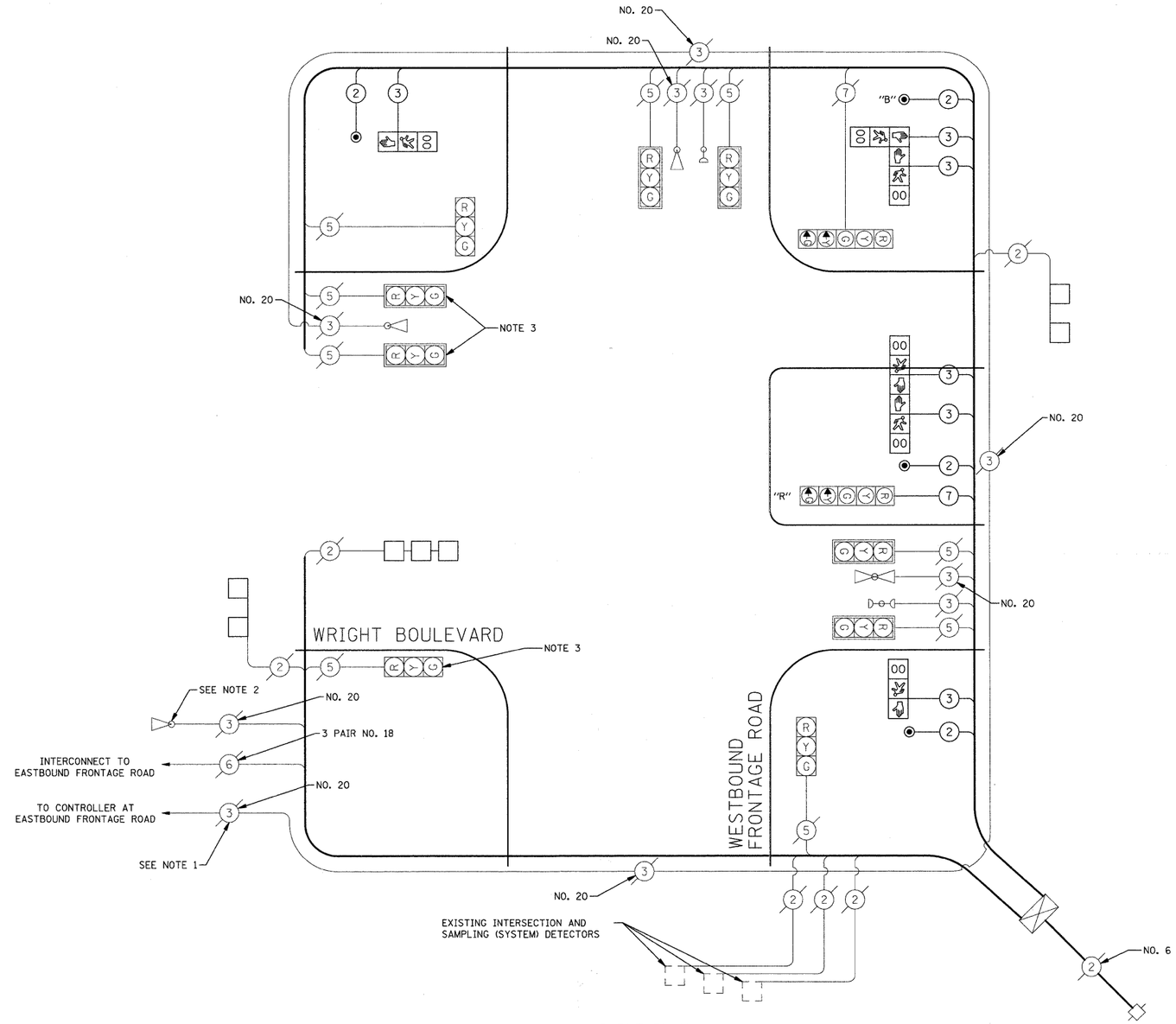
2. THIS LIGHT DETECTOR IS MOUNTED ON THE NORTHBOUND MAST ARM AT THE WRIGHT BOULEVARD/EASTBOUND FRONTAGE ROAD INTERSECTION, AND CALLS PHASES 4 AND 8 AT THIS INTERSECTION.

3. THESE SIGNAL HEADS SHALL BE BAGGED AND PHASE 4 DISCONNECTED THROUGHOUT THE DURATION OF THE SOUTHBOUND WRIGHT BOULEVARD CLOSURE.

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
- DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
- MICROWAVE VEHICLE SENSOR
- SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
- "E" RAILROAD CONTROL CABINET
- "E" ILLUMINATED SIGN "NO LEFT TURN"
- "E" ILLUMINATED SIGN "NO RIGHT TURN"
- H/C C GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C).
- MA/P MA/P GROUND ROD AT POST (P), OR MAST ARM POLE (MA).
- S S GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- 1 1 GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
- "R" RELOCATED SIGNAL EQUIPMENT



CABLE PLAN

NOT TO SCALE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE 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
FLASHER				0.50	
				TOTAL =	459

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: MARK GLOECKLE
PHONE: (630) 691-4529
COMPANY: COM ED

FOUNDATION (DEPTH)	FT.	(m)
TYPE A - POST	4	(1.2)
D- CONTROLLER	4	(1.2)
E- M. ARM POLE		
24" (600mm)	10	(3.0)
30" (750mm)	15	(4.6)
36" (900mm)	15	(4.6)

CABLE SLACK	FT.	(m)
HANDHOLE	6.5	(2.0)
DOUBLE HANDHOLE	13	(4.0)
SIGNAL POST	2	(1.0)
CONTROLLER CAB.	1	(0.5)
FIBER OPTIC	13	(4.0)
ELECTRIC SERVICE	1	(0.5)
GROUND CABLE	1	(0.5)

VERTICAL	FT.	(m)
ALL FOUNDATIONS	3.5	(2.0)
MAST ARM (L) POLE	20'+L-2=	(6m+L-0.6m)=
BRACKET MOUNTED	13	(4.0)
PED. PUSHBUTTON	4	(1.2)
ELECTRIC SERVICE	13.5	(4.1)
SERVICE TO GROUND	13.5	(4.1)
POST MOUNTED	6	(1.8)

NOTE:

PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.

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

PLAN — NOTE BOOK NO. ____ — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME ____ — BY — DATE

PROFILE — NOTE BOOK NO. ____ — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CHKD — BY — DATE

FILE NAME = J:\2215\cad\sheets\Signals\78_WB_FrontOW-ght_Cable Plan.dgn	USER NAME = jat	DESIGNED - BRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE PLAN WRIGHT BOULEVARD AT WESTBOUND FRONTAGE ROAD
	PLOT SCALE = 50.0000 ' / IN.	DRAWN - OJT	REVISED -		
	PLOT DATE = 10/15/2009	CHECKED - JJE	REVISED -		
		DATE - 10-16-09	REVISED -		SCALE: N.T.S. SHEET NO. 10 OF 25 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1351	06-00090-00-PV	COOK	137	78

CONTRACT NO. 63378

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