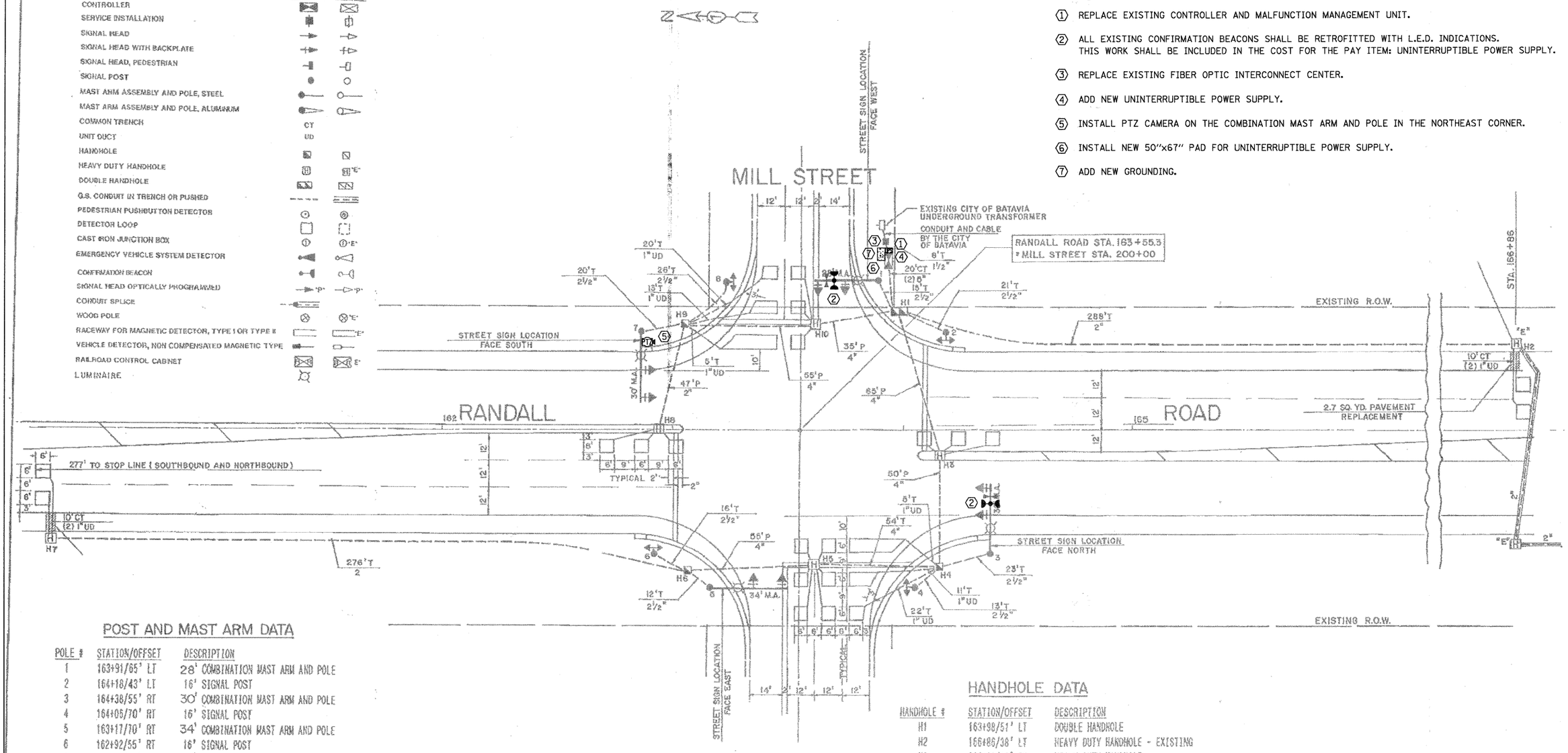
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	95-00203-01-TL	KANE		

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMMON TRENCH	CT	
UNIT DUCT	UD	
HANDHOLE		
HEAVY DUTY HANDHOLE	H	H "E"
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CAST IRON JUNCTION BOX	J	J "E"
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD OPTICALLY PROGRAMMED	"P"	"P"
CONDUIT SPLICE		
WOOD POLE		"E"
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		"E"
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROL CABINET		"E"
LUMINAIRE		

CONSTRUCTION NOTES:

1. REPLACE EXISTING CONTROLLER AND MALFUNCTION MANAGEMENT UNIT.
2. ALL EXISTING CONFIRMATION BEACONS SHALL BE RETROFITTED WITH L.E.D. INDICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST FOR THE PAY ITEM: UNINTERRUPTIBLE POWER SUPPLY.
3. REPLACE EXISTING FIBER OPTIC INTERCONNECT CENTER.
4. ADD NEW UNINTERRUPTIBLE POWER SUPPLY.
5. INSTALL PTZ CAMERA ON THE COMBINATION MAST ARM AND POLE IN THE NORTHEAST CORNER.
6. INSTALL NEW 50"x67" PAD FOR UNINTERRUPTIBLE POWER SUPPLY.
7. ADD NEW GROUNDING.



POST AND MAST ARM DATA

POLE #	STATION/OFFSET	DESCRIPTION
1	163+91/65' LT	28' COMBINATION MAST ARM AND POLE
2	164+18/43' LT	16' SIGNAL POST
3	164+38/55' RT	30' COMBINATION MAST ARM AND POLE
4	164+05/70' RT	16' SIGNAL POST
5	163+17/70' RT	34' COMBINATION MAST ARM AND POLE
6	162+92/55' RT	16' SIGNAL POST
7	162+86/43' LT	30' COMBINATION MAST ARM AND POLE
8	163+22/64' LT	16' SIGNAL

NOTE: TRAFFIC SIGNAL COMBINATION MAST ARM ASSEMBLIES SHALL INCLUDE AN 15' MAST ARM FOR A PROPOSED 400W LUMINAIRE AT A 40' MOUNTING HEIGHT. THE LUMINAIRE SHALL BE PAID FOR SEPARATELY.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER AND CONFLICT MONITOR

HANDHOLE DATA

HANDHOLE #	STATION/OFFSET	DESCRIPTION
H1	163+98/51' LT	DOUBLE HANDHOLE
H2	166+86/38' LT	HEAVY DUTY HANDHOLE - EXISTING
H3	164+16/12' RT	HEAVY DUTY HANDHOLE
H4	164+16/61' RT	STANDARD DUTY HANDHOLE
H5	163+62/59' RT	HEAVY DUTY HANDHOLE
H6	163+07/62' RT	STANDARD DUTY HANDHOLE
H7	160+24/50' RT	HEAVY DUTY HANDHOLE
H8	162+94/0 OFFSET	HEAVY DUTY HANDHOLE
H9	163+05/46' LT	STANDARD DUTY HANDHOLE
H10	163+61/47' LT	HEAVY DUTY HANDHOLE

Sunjoy Inc Area Lighting
232 TIMBERCREST DRIVE
SCHAUMBURG, ILLINOIS
60193-1522

KANE COUNTY
DIVISION OF TRANSPORTATION
ILLINOIS

RANDALL ROAD AND MILL STREET INTERSECTION

PROPOSED TRAFFIC SIGNAL INSTALLATION

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

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

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / BASL MUTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

FILE NAME = N:\kanecounty\080673\Traffic\032_TSD_Randall-Mill St.dgn	USER NAME = FPACIONE	DESIGNED - ABR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN RANDALL ROAD AND MILL STREET	F.A.P. RTE. 336	SECTION 09-00237-02-TL	COUNTY KANE	TOTAL SHEETS 100	SHEET NO. 32
		DRAWN - FCP	REVISED -							
	PLOT SCALE = NOT TO SCALE	CHECKED - MJT	REVISED -					CONTRACT NO. 63525		
	PLOT DATE = 11/3/2010	DATE - AUGUST 31, 2010	REVISED -		SCALE: SHEET NO. OF SHEETS STA. -- TO STA. --			ILLINOIS FED. AID PROJECT		