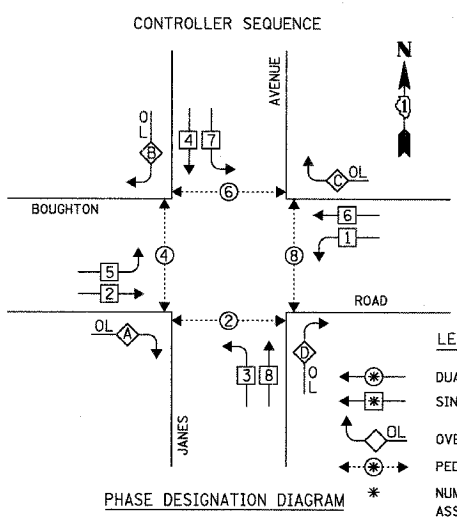
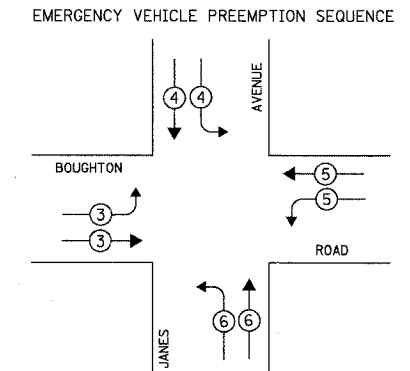


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	04-00043-00-TL	WILL	54	27
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.: 83855				

SCHEDULE OF QUANTITIES	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	1



OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A =	2	3
B =	4	5
C =	6	7
D =	8	1



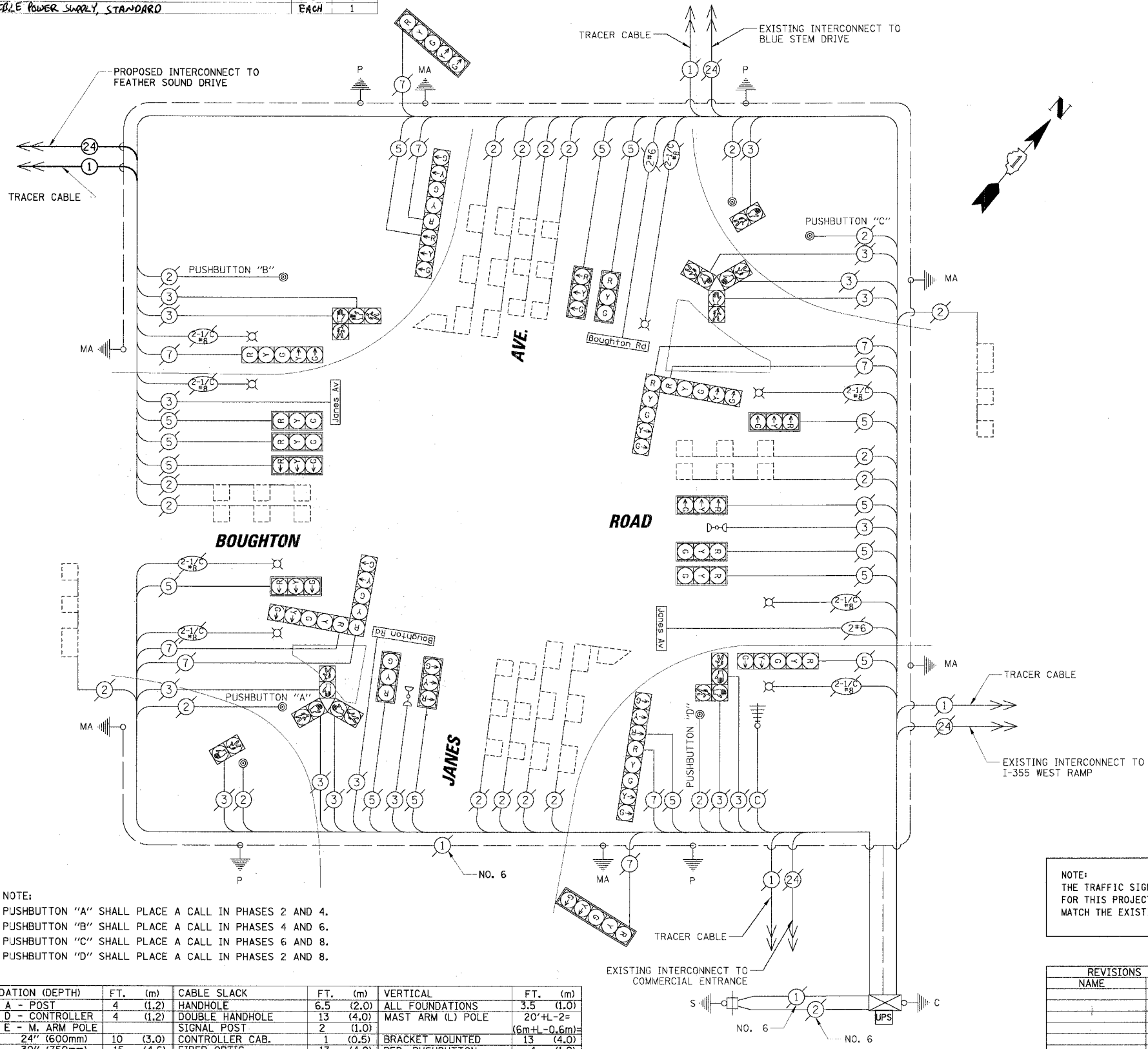
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	→	←	↔	↔

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE	% OPERATION	
SIGNAL (RED)	24	17	0.50	204.00
	(YELLOW)	24	0.25	150.00
	(GREEN)	24	0.25	90.00
ARROW	20	12	0.10	24.00
PED. SIGNAL	12	25	1.00	300.00
CONTROLLER	1	100	1.00	100.00
ILLUM. SIGN	-	25	0.05	-
ILLUM. ST. NAME SIGN	8	24 FLOURESCENT	0.50	96.00
FLASHER			0.50	964.00
TOTAL =				515.20

ENERGY COSTS TO:
VILLAGE OF BOLINGBROOK
 375 BRIARCLIFF ROAD
 BOLINGBROOK, ILLINOIS 60440-0951
 ENERGY SUPPLY: CONTACT: DALE BOLLINGER
 PHONE: (815) 724-5717
 COMPANY: COMED

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)
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.	13 (4.0)
		30" (750mm)	15 (4.6)	FIBER OPTIC	4 (1.2)
		36" (900mm)	15 (4.6)	ELECTRIC SERVICE	13.5 (4.1)
				SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

NOTE:
 PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
 PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.
 PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.
 PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.



EXISTING	PROPOSED	DESCRIPTION
[Symbol]	[Symbol]	8" (200mm) TRAFFIC SIGNAL SECTION
[Symbol]	[Symbol]	12" (300mm) TRAFFIC SIGNAL SECTION
[Symbol]	[Symbol]	12" (300mm) PEDESTRIAN SIGNAL SECTION
[Symbol]	[Symbol]	12" (300mm) PEDESTRIAN SIGNAL SECTION
[Symbol]	[Symbol]	CONTROLLER CABINET
[Symbol]	[Symbol]	SERVICE INSTALLATION
[Symbol]	[Symbol]	TELEPHONE INSTALLATION
[Symbol]	[Symbol]	VEHICLE DETECTOR, INDUCTION LOOP
[Symbol]	[Symbol]	MAGNETIC DETECTOR
[Symbol]	[Symbol]	EMERGENCY VEHICLE LIGHT DETECTOR
[Symbol]	[Symbol]	CONFIRMATION BEACON
[Symbol]	[Symbol]	PUSHBUTTON DETECTOR
[Symbol]	[Symbol]	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
[Symbol]	[Symbol]	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
[Symbol]	[Symbol]	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
[Symbol]	[Symbol]	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
[Symbol]	[Symbol]	RAILROAD CONTROL CABINET
[Symbol]	[Symbol]	ILLUMINATED SIGN "NO LEFT TURN"
[Symbol]	[Symbol]	ILLUMINATED SIGN "NO RIGHT TURN"
[Symbol]	[Symbol]	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
[Symbol]	[Symbol]	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
[Symbol]	[Symbol]	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
[Symbol]	[Symbol]	ILLUMINATED STREET NAME SIGN
[Symbol]	[Symbol]	EMERGENCY VEHICLE SYSTEM ANTENNA
[Symbol]	[Symbol]	LUMINAIRE
[Symbol]	[Symbol]	COAXIAL CABLE
[Symbol]	[Symbol]	UNINTERRUPTIBLE POWER SUPPLY

CONSTRUCTION NOTES:
 ① INSTALL NEW TECH-POWER M-E SERIES UPS, AND FIBER OPTIC TRANSCEIVER.

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

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM
 BOUGHTON ROAD AND JANES AVENUE
 BOLINGBROOK, ILLINOIS
 SCALE: N.T.S.
 DATE: 4/7/2006
 DRAWN BY: FCP/FPB
 DESIGNED BY: MKW
 CHECKED BY: MJT

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 NOTE BOOK: _____
 PROFILE: _____
 STRUCTURE: _____

CHRISTOPHER B. BURKE ENGINEERING LTD.
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 Rosemont, Illinois 60018
 (847) 823-0500