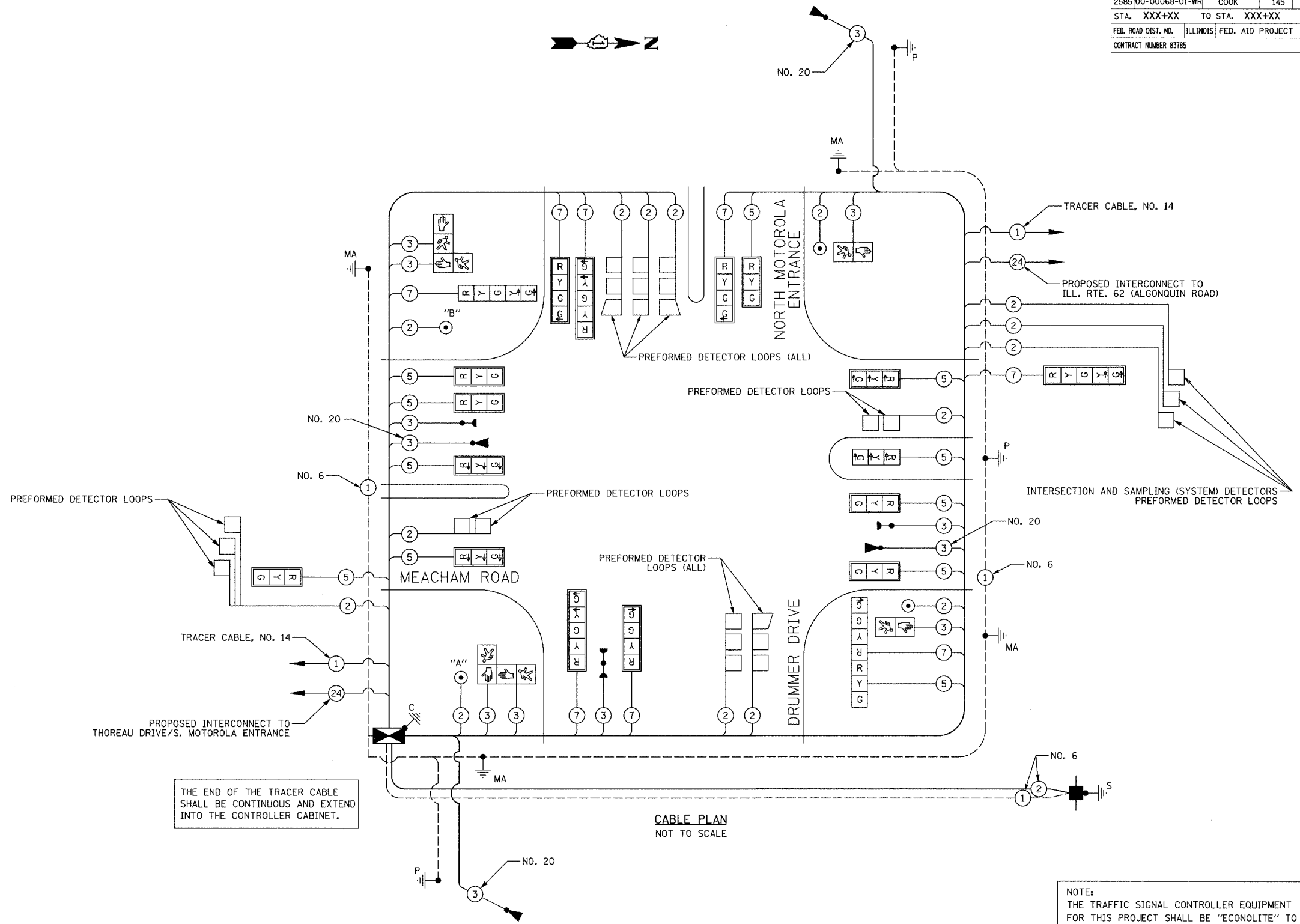


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585 00-00068-01-WR		COOK	145	90
STA. XXX+XX		TO STA. XXX+XX		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NUMBER 83785				

CABLE PLAN LEGEND

EXISTING PROPOSED

- 8" (200mm) TRAFFIC SIGNAL SECTION
- 12" (300mm) TRAFFIC SIGNAL SECTION
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- 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, "P" INDICATES PROGRAMMED HEAD
- RAILROAD CONTROL CABINET
- ILLUMINATED SIGN "NO LEFT TURN"
- ILLUMINATED SIGN "NO RIGHT TURN"
- GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), 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)
- FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM24F SM12F



CABLE PLAN
NOT TO SCALE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	19		17	0.50	162
(YELLOW)	15		25	0.25	94
(GREEN)	19		15	0.25	71
ARROW	16		12	0.10	19
PED SIGNAL	6		25	1.00	150
CONTROLLER	1		100	1.00	100
FLASHER				0.50	
TOTAL =					596

ENERGY COSTS TO: VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60197-1899

ENERGY SUPPLY: CONTACT: SAM THOMAS
PHONE: 630-891-7118
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'= 6m+L-0.6m)=
E- M. ARM POLE		SIGNAL POST	2 (1.0)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
		ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

NOTE:
PUSHBUTTON "A" SHALL PLACE A CALL TO PHASES 2 & 4
PUSHBUTTON "B" SHALL PLACE A CALL TO PHASES 4 & 6

REVISIONS	
NAME	DATE

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN
MEACHAM ROAD &
DRUMMER DRIVE / NORTH MOTOROLA DRIVEWAY
NOT TO SCALE
DATE 12/20/04
DESIGNED BY JJE
CHECKED BY KMM