

SCHEDULE OF QUANTITIES

UNIT	QNTY.	PAY ITEM
L SUM	0.25	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501
L SUM	0.25	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
L SUM	0.25	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801
EACH	1	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
EACH	1	TRANSCEIVER - FIBER OPTIC
FOOT	1567	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
FOOT	856	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
FOOT	987	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
EACH	13	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
EACH	4	LIGHT DETECTOR
EACH	1	LIGHT DETECTOR AMPLIFIER
EACH	11	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
EACH	5	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
EACH	2	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
EACH	1	SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MOUNTED
EACH	2	SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
EACH	1	ILLUMINATED SIGN, L.E.D.
EACH	1	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)
EACH	1	LOOP DETECTOR AMPLIFIER
EACH	15	INDUCTIVE LOOP DETECTOR

CABLE PLAN LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED	DESCRIPTION
				8" (200 mm) TRAFFIC SIGNAL SECTION
				12" (300 mm) TRAFFIC SIGNAL SECTION
				12" (300 mm) PEDESTRIAN SIGNAL SECTION
				12" (300 mm) PEDESTRIAN SIGNAL SECTION
				CONTROLLER CABINET
				SERVICE INSTALLATION
				TELEPHONE INSTALLATION
				VEHICLE DETECTOR, INDUCTION LOOP
				MAGNETIC DETECTOR
				CONFIRMATION BEACON
				2 DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
				1 GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
				24 FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F

REMOVAL NOTES:

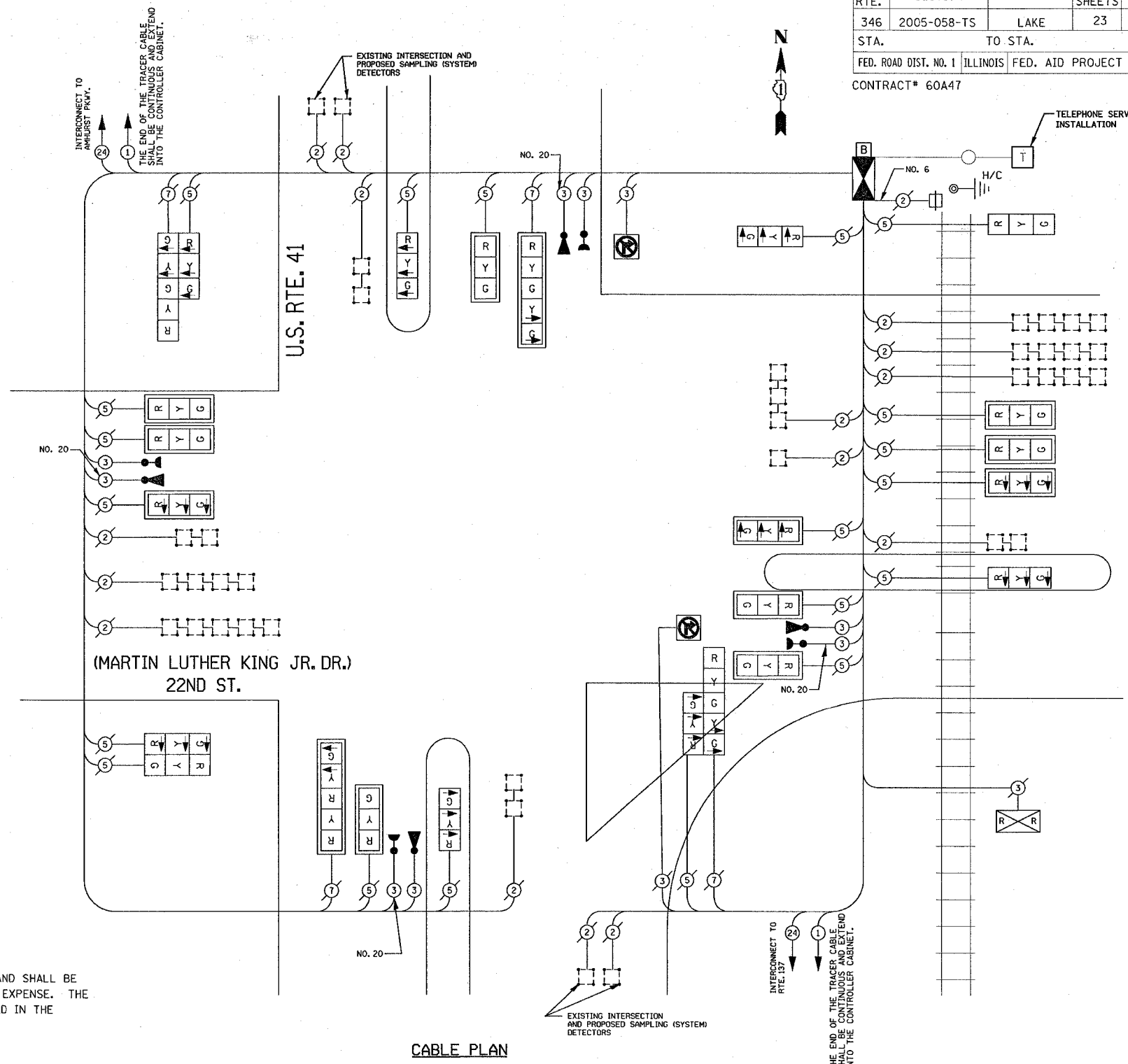
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE OF THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE:

- 16 EACH, SIGNAL HEAD, 1-FACE, 3-SECTION
- 2 EACH, SIGNAL HEAD, 1-FACE, 5-SECTION
- 1 EACH, SIGNAL HEAD, 2-FACE, 3-SECTION
- 2 EACH, SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
- 13 EACH, TRAFFIC SIGNAL BACKPLATE
- 2 EACH, ILLUMINATED SIGN

I. D. O. T.				TOTAL WATTAGE
TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE INCAN LED	% OPERATION	
SIGNAL (RED)	24	17	0.50	204.0
(YELLOW)	24	25	0.25	150.0
(GREEN)	24	15	0.25	90.0
ARROW	8	12	0.10	9.6
PED. SIGNAL		25	1.00	
CONTROLLER	1	100	1.00	100.0
ILLUM. SIGN	2	84	0.05	
FLASHER			0.50	
TOTAL =				553.6

ENERGY COSTS TO:  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER ST.  
SCHAUMBURG, ILLINOIS 60196-1096  
ENERGY SUPPLY CONTACT: LARRY WOODLE  
PHONE: (815) 724-5674  
COMPANY: COM. EDISON

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT.	VERTICAL	FT.
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' +/- 2' = (6m +/- 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)



CABLE PLAN

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

**MORRIS ENGINEERING, INC.**  
5100 S. LINCOLN AVE. (RTE. 53)  
LISLE, IL 60532-2119  
PHONE: 630-271-0770  
FAX: 630-271-0774

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CABLE PLAN AND SCHEDULE OF QUANTITIES  
U.S. ROUTE 41/  
MARTIN LUTHER KING JR. DRIVE  
(22ND ST.)  
SCALE: NTS  
DATE: 1/25/07  
DRAWN BY: PRT  
DESIGNED BY: RKF  
CHECKED BY: JVV

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	2005-058-TS	LAKE	23	10
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT# 60A47				