

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2004-01TTS	COOK	38	16
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT #62736				

SCHEDULE OF QUANTITIES

ITEM	UNIT	QNTY.
TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	0.11
TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	0.11
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	0.11
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	0.11
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	190
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	210
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	190
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2672
DRILL EXISTING HANDHOLE	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	6
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 18 FT.	EACH	4
SIGNAL HEAD LENS, REMOVE AND REPLACE	EACH	6
RELOCATE EXISTING SIGNAL HEAD	EACH	13
TRAFFIC SIGNAL BACKPLATE LOUVERED, ALUMINUM	EACH	0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

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
- VEHICLE DETECTOR, INDUCTION LOOP
- TELEPHONE INSTALLATION
- MAGNETIC DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PUSHBUTTON DETECTOR
- 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
- 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 (HH), OR CONTROLLER (C)
- GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
- GROUND ROD AT ELECTRIC SERVICE INSTALLATION

CONSTRUCTION NOTES:

- RE-USE EXISTING CONTROLLER AND TYPE V CABINET. RE-USE EXISTING FOUNDATION. INSTALL NEW MASTER CONTROLLER.
- INSTALL NEW TELEPHONE CONNECTION. SEE INTERCONNECT PLAN FOR INSTALLATION AND QUANTITIES.
- INSTALL NEW ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR.
- RE-USE EXISTING SERVICE AND SERVICE CABLES.
- REMOVE AND REPLACE SIGNAL HEAD LENS

EXISTING INTERSECTION AND PROPOSED SAMPLING (SYSTEM) DETECTORS (SEE INTERCONNECT PLANS)

PROPOSED INTERCONNECT TO RANDHURST SOUTH DR/ MEADOW LANE (SEE INTERCONNECT PLANS)

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET

EXISTING INTERSECTION AND PROPOSED SAMPLING (SYSTEM) DETECTORS (SEE INTERCONNECT PLANS)

PROPOSED INTERCONNECT TO EUCLID AVE. (SEE INTERCONNECT PLANS)

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET

NOTE: THE EXISTING TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION IS "ECONOLITE".

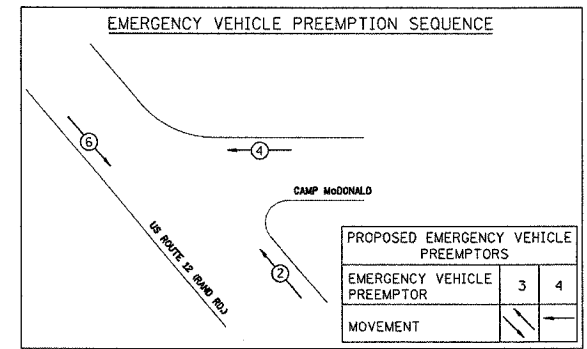
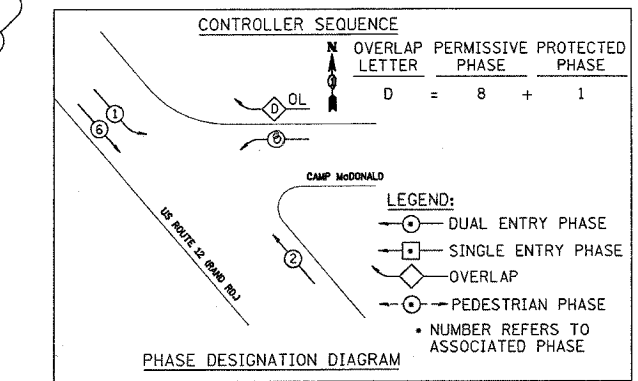
NOTE: ALL SIGNAL HEADS ARE L.E.D. INCLUDING THOSE NOTED WITH "P".

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND	WATTAGE LED	% OPERATION	
SIGNAL (RED)	51	135	17	0.50	433.50
(YELLOW)	51	135	25	0.25	318.75
(GREEN)	51	135	15	0.25	191.25
ARROW	12	135	12	0.10	14.40
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84	35	0.05	
FLASHER		135	25	0.50	
TOTAL =					1057.90

ENERGY COST TO: Illinois Department of Transportation
Division of Highways / District 1
201 W Center Court / Schaumburg, Illinois 60196-1096

ENERGY SUPPLY: CONTACT: MS. JUDY SCHOMER
PHONE: (847)-870-2063
COMPANY: ComEd

FOUNDATION (DEPTH)	(FT.) (m)	CABLE SLACK (FT.) (m)	CABLE SLACK (FT.) (m)	CABLE SLACK (FT.) (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	20' H-L=2'
E - M. ARM POLE		SIGNAL POST	2 (1.0)	MAST ARM (L) POLE
		CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED
		FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND
				POST MOUNTED



ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, AND SCHEDULE OF QUANTITIES
U.S. ROUTE 12 (RAND RD.) AT ILL. RTE. 83
(ELMHURST RD.) AND KENSINGTON/FOUNDRY RD.

SCALE: NONE DRAWN BY: BCK
DATE: JUNE 28, 2004 DESIGNED BY: SM
CHECKED BY: DAD