

EXISTING PRIORITY LANES		
PRIORITY LANE INTERVAL	3	4
MOVEMENT	←	↑

CABLE PLAN LEGEND

- | | | | |
|-----------------|-----------------|-----------------|---|
| EXISTING | PROPOSED | EXISTING | PROPOSED |
| | | | SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD |
| | | | RAILROAD CONTROL CABINET |
| | | | ILLUMINATED SIGN "NO LEFT TURN" |
| | | | ILLUMINATED SIGN "NO RIGHT TURN" |
| | | | GROUND ROD AT POST (P) OR MAST ARM POLE (MA) |
| | | | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| | | | FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F |
| | | | UNINTERRUPTIBLE POWER SUPPLY |

- CONSTRUCTION NOTES:**
- REMOVE EXISTING CONTROLLER AND CABINET. INSTALL A NEW CONTROLLER TYPE IV CABINET. RE-USE EXISTING FOUNDATION.
 - REMOVE EXISTING TRAFFIC SIGNAL HEAD AND REPLACE IT WITH NEW 12' L.E.D. SIGNAL.
 - INSTALL NEW ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1 PAIR.
 - REMOVE EXISTING SIGNAL HEAD PEDESTRIAN AND REPLACE IT WITH NEW L.E.D. SIGNAL HEAD PEDESTRIAN.

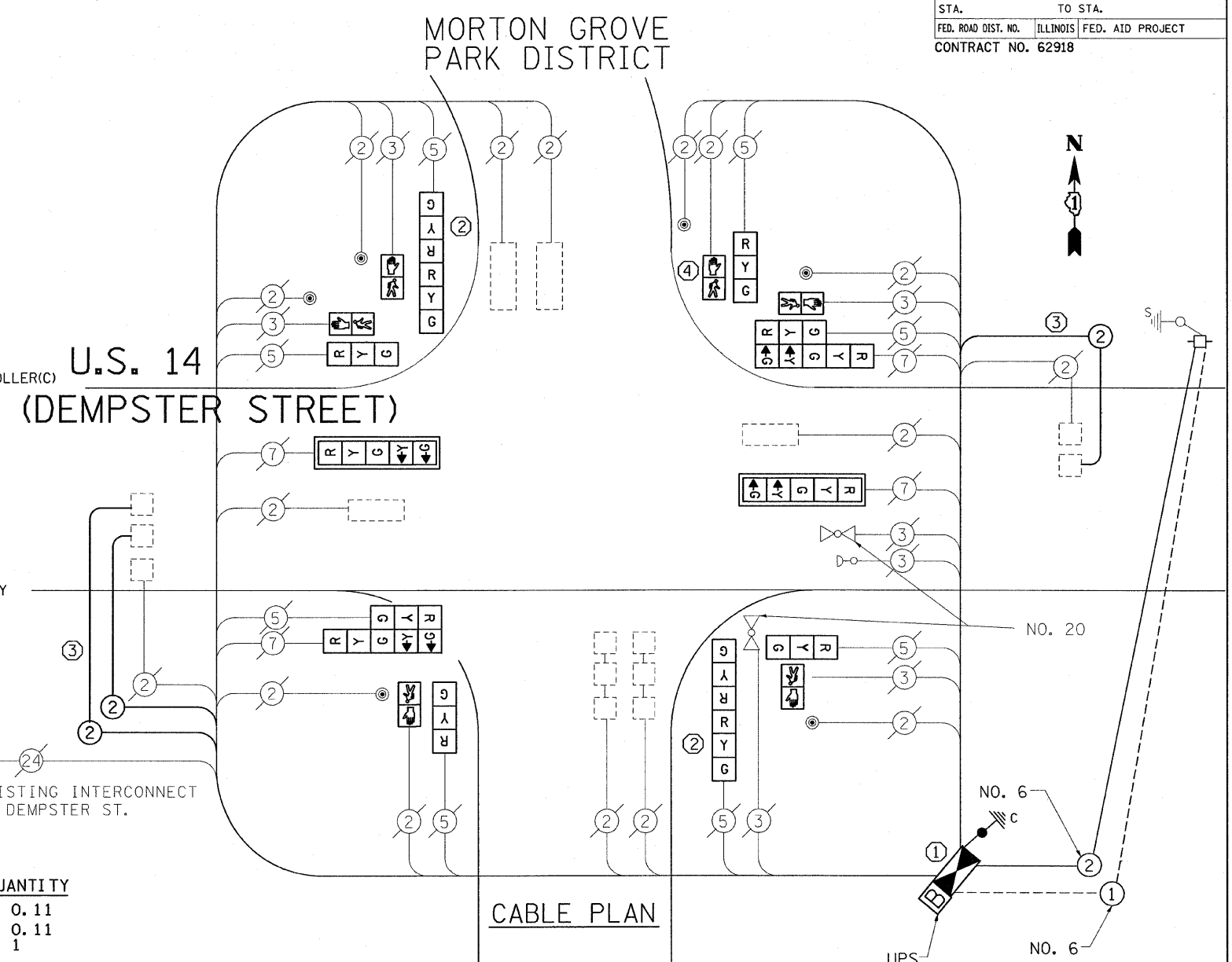
SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	0.11
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MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
TRANSCEIVER-FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1 C	FOOT	225
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2 C	FOOT	225
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1060
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	195
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	11
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED.	EACH	4
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MTD.	EACH	2
SIGNAL HEAD, L.E.D., 2-FACE, 5 SECTION	EACH	2
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5, SECTION, BRACKET MOUNTED.	EACH	2
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRKT MTD.	EACH	6
TRAFFIC SIGNAL BACKPLATE	EACH	2
UNINTERRUPTIBLE POWER SUPPLY (UPS)	EACH	1
SERVICE INSTALLATION, POLE MOUNT	EACH	1

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'-4L-2"
E - M. ARM POLE		SIGNAL POST	2 (1.0)		6m+L-0.6m)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	LED	% OPERATION	
SIGNAL (RED)	14	135	17	0.50	119.00
(YELLOW)	14	135	25	0.25	87.50
(GREEN)	14	135	15	0.25	52.50
ARROW	8	135	12	0.10	9.60
PED. SIGNAL	6	90	25	1.00	150.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER					0.50
ENERGY COSTS TO:					TOTAL = 518.60

ILLINOIS DEPARTMENT OF TRANSPORTATION
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COMPANY: COM. EDISON



THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATION.

- 1 EACH CONTROLLER AND CABINET, COMPLETE

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 CONTRACTOR BID PRICE.

- 4 EACH SIGNAL HEADS, 3-SECTION
- 2 EACH 2-FACE, 3-SECTION
- 2 EACH 2-FACE, 1-3SECTION, 1-5-SECTION
- 2 EACH 1-FACE, 5-SECTION MAST MNTED.
- 1 EACH SERVICE INSTALLATION
- 2 EACH BACKPLATE

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
U.S. 14 (DEMPSTER ST)
AT MORTON GROVE
PARK DISTRICT ENTRANCE

SCALE: 1"=20'
DATE 8/21/2007

DRAWN BY BCK
DESIGN BY BCK
CHECKED BY DAD