EXISTING CONTROLLER SEQUENCE

US ROUTE 14 (DEMPSTER STREET)

SHERMER ROAD

PROPOSED CONTROLLER SEQUENCE

US ROUTE 14 (DEMPSTER STREET)

SHERMER ROAD

LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL OVERLAP
- PEDESTRIAN PHASE
- · NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

NOTES

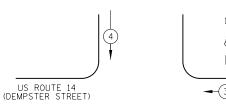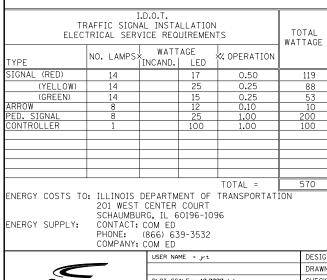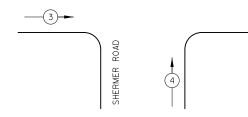1. THE CONTRACTOR SHALL RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT TO THE NEW TRAFFIC SIGNAL POST. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC SIGNAL POST, GALVANIZED STEEL" OF THE HEIGHT SPECIFIED.

2. THE CONTRACTOR SHALL INSTALL NEW ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 14, 7C TO THE NEW 5-SECTION SIGNAL HEADS ON THE NORTHWEST AND SOUTHEAST CORNERS. THIS COST SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC SIGNAL POST, GALVANIZED STEEL" OF THE HEIGHT SPECIFIED.

3. THE CONTRACTOR SHALL REMOVE THE ELECTRIC CABLE FROM CONDUIT AND INSTALL NEW ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 14, 7C TO THE NEW 5-SECTION SIGNAL HEADS ON THE NORTHEAST AND SOUTHWEST CORNERS. THIS COST SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC SIGNAL POST, GALVANIZED STEEL" OF THE HEIGHT SPECIFIED.

4. THE CONTRACTOR SHALL MODIFY THE SIGNAL PHASING. THIS COST SHALL BE INCLUDED IN THE PAY ITEM "MODIFY EXISTING CONTROLLER CABINET".
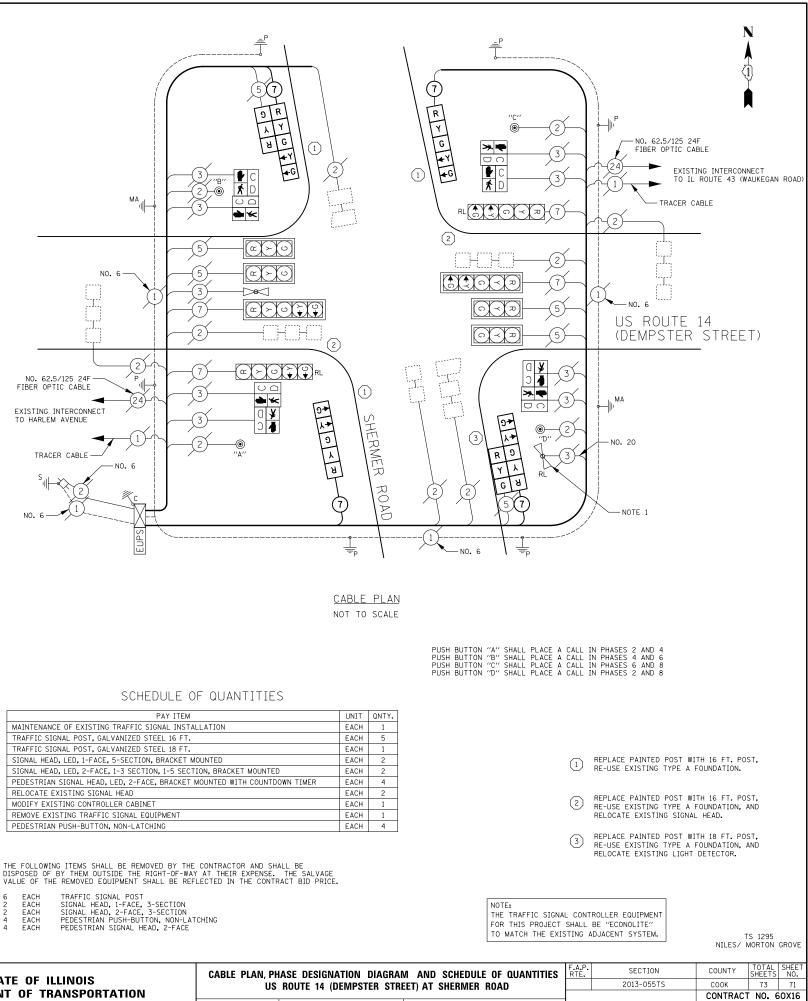
EMERGENCY VEHICLE PREEMPTION SEQUENCE

US ROUTE 14 (DEMPSTER STREET)

SHERMER ROAD

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	14		17	0.50	119
(YELLOW)	14		25	0.25	88
(GREEN)	14		15	0.25	53
ARROW	8		12	0.10	10
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
				TOTAL =	570

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY: CONTACT: COM ED
PHONE: (866) 639-3532
COMPANY: COM ED

EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

CABLE PLAN
NOT TO SCALE

US ROUTE 14 (DEMPSTER STREET)

SHERMER ROAD

NO. 62.5/125 24F FIBER OPTIC CABLE
EXISTING INTERCONNECT TO IL ROUTE 43 (WAUKEGAN ROAD)
TRACER CABLE
NO. 62.5/125 24F FIBER OPTIC CABLE
EXISTING INTERCONNECT TO HARLEM AVENUE
TRACER CABLE
NOTE 1

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
RELOCATE EXISTING SIGNAL HEAD	EACH	2
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	4

① REPLACE PAINTED POST WITH 16 FT. POST. RE-USE EXISTING TYPE A FOUNDATION.

② REPLACE PAINTED POST WITH 16 FT. POST. RE-USE EXISTING TYPE A FOUNDATION, AND RELOCATE EXISTING SIGNAL HEAD.

③ REPLACE PAINTED POST WITH 18 FT. POST. RE-USE EXISTING TYPE A FOUNDATION, AND RELOCATE EXISTING LIGHT DETECTOR.

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

6	EACH	TRAFFIC SIGNAL POST
2	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
2	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION
4	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING
4	EACH	PEDESTRIAN SIGNAL HEAD, 2-FACE

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

TS 1295
NILES/ MORTON GROVE