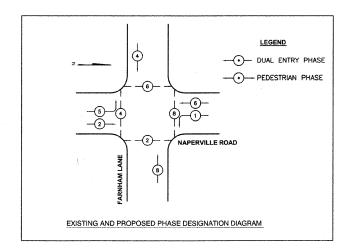
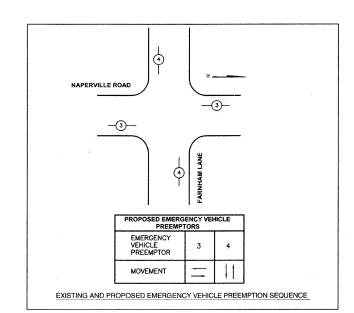
| COUNTY | FISCAL | TOTAL | SHEET NO. | |
|----------|---------|----------|--------------|--|
| HWY. | YEAR | SHEETS | | |
| FAU 0856 | 2008 | 25 | 24 | |
| ISEC 07- | 00232-0 | 5-TI DII | PACE CO | |

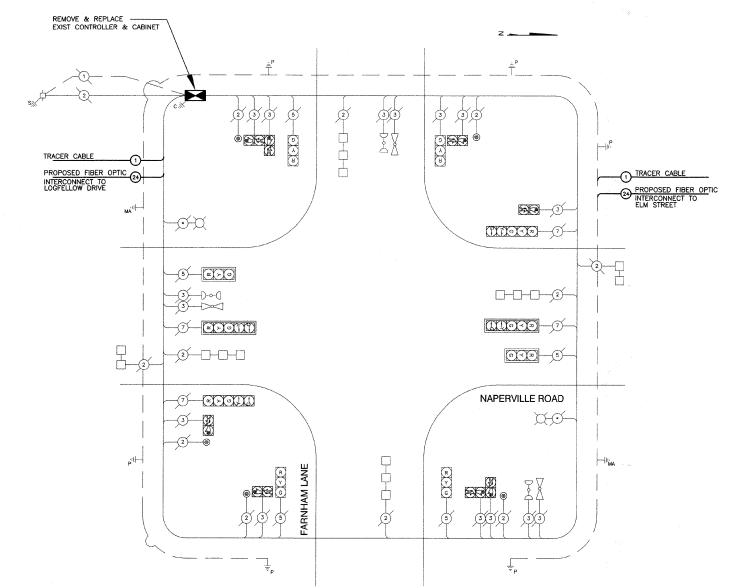


- 1. EXISTING CONTROLLER AND CABINET TO BE REPLACED.
- REMOVED EQUIPMENT SHALL REMAIN THE PROPERTY OF DUPAGE COUNTY.
 THE CONTRACTOR SHALL RETURN THE EXISTING CONTROLLER AND CABINET
 COMPLETE TO THE DUPAGE ELECTRICAL MAINTENANCE FACILITIES.





| DU PAGE COUNTY D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | | | TOTAL WATTAGE | |
|--|-----------|---------|-----|-----------|------------------|---|
| TVDF | NO. LAMPS | WATTAGE | | OPERATION | WATTAGE | 1 |
| TYPE | | INCAND. | LED | (%) | 1 | ١ |
| RED BALL | 10 | 135 | 10 | 0.60 | 60 | ٦ |
| YELLOW BALL | 10 | 135 | 22 | 0.03 | 6.6 | ٦ |
| GREEN BALL | 10 | 135 | 12 | 0.37 | 44.4 | 7 |
| RED ARROW | 0 | 135 | 5 | 0.85 | 0 |] |
| YELLOW ARROW | 4 | 135 | 10 | 0.02 | 0.8 | 7 |
| GREEN ARROW | 4 | 135 | 5 | 0.13 | 2.6 | ٦ |
| PED - WALK | 8 | 90 | 5 | 0.05 | 2 | ٦ |
| PED - DON'T WALK | . 8 | 90 | 6 | 0.95 | 45.6 | 7 |
| CONTROLLER | 1 1 | 100 | | 1.00 | 100 | † |
| LUMINAIRE | 2 | 310 | | 0.50 | 620 | Ι |



| | CABLE PLAN LEG | GEND |
|----------|--|--|
| PROPOSED | EXISTING | |
| -0- | 1 | DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED |
| | | CONTROLLER CABINET |
| • | ф | SERVICE INSTALLATION |
| | — µ | GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (MA) MAST ARM OR (S) SERVICE |
| | | VEHICLE DETECTOR, INDUCTION LOOP |
| | $\triangleright \!\!\! \sim \!\!\! \sim$ | EMERGENCY VEHICLE LIGHT DETECTOR |
| | D-O-Cl | CONFIRMATION BEACON |
| | ¤ | LUMINAIRE |
| | • | PEDESTRIAN PUSH BUTTON |
| | | 12" PEDESTRIAN SIGNAL SECTION |
| | (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c | SIGNAL FACE WITH BACKPLATE |
| | | |

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

DUPAGE COUNTY DIVISION OF TRANSPORTATION

NAPERVILLE ROAD/
FARNHAM LANE
EXISTING AND PROPOSED

CABLE PLAN AND PHASING DIAGRAM
SCALE: 1"=20' DRAWN BY: TH

DATE: 8/21/08