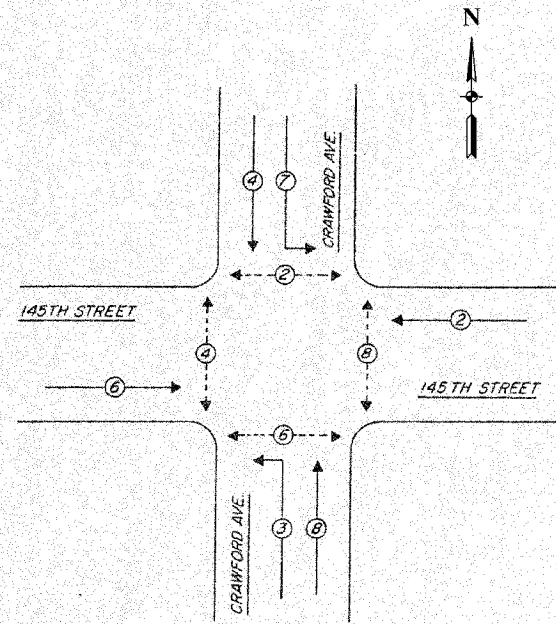
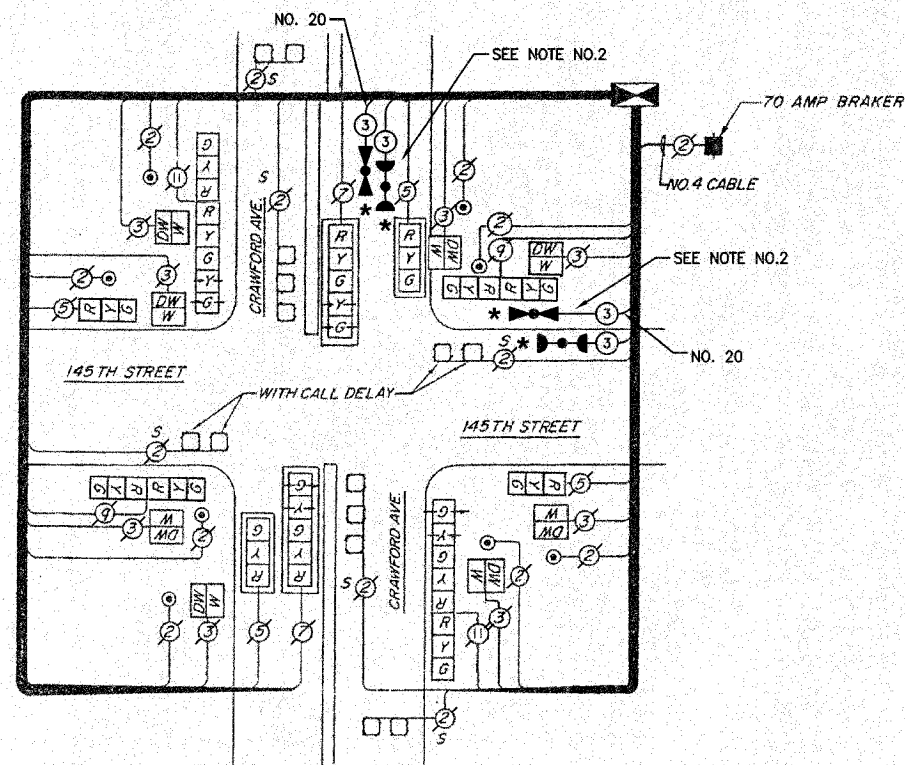


|                     |                |                  |              |           |
|---------------------|----------------|------------------|--------------|-----------|
| F. A. NO.           | SECTION        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|                     | 08-00146-00-TL | COOK             | 273          | 208       |
| STA.                | TO STA.        |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS       | FED. AID PROJECT |              |           |

CONTRACT NO. 63003

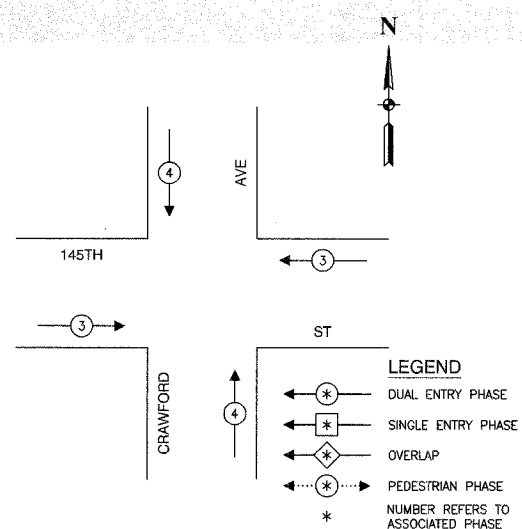


PHASE DESIGNATION DIAGRAM



CABLE PLAN  
NO SCALE

| EXISTING | PROPOSED |   |
|----------|----------|---|
|          |          | 8" TRAFFIC SIGNAL SECTION   |
|          |          | 12" TRAFFIC SIGNAL SECTION  |
|          |          | 12" PEDESTRIAN SIGNAL SECTION   |
|          |          | 12" PEDESTRIAN SIGNAL SECTION   |
|          |          | CONTROLLER CABINET  |
|          |          | SERVICE INSTALLATION  |
|          |          | TELEPHONE CONNECTION  |
|          |          | MAGNETIC DETECTOR   |
|          |          | EMERGENCY VEHICLE LIGHT DETECTOR  |
|          |          | CONFIRMATION BEACON   |
|          |          | PUSHBUTTON DETECTOR   |
|          |          | VEHICLE DETECTOR, INDUCTION LOOP  |
|          |          | 2 DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
|          |          | SIGNAL FACE WITH BACKPLATE  |
|          |          | "P" INDICATES PROGRAMMED HEAD   |
|          |          | RAILROAD CONTROL CABINET  |
|          |          | ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"  |
|          |          | ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"   |
|          |          | H/C GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER  |
|          |          | P GROUND ROD AT POST OR MAST ARM POLE   |
|          |          | S GROUND ROD AT ELECTRIC SERVICE INSTALLATION   |



EMERGENCY VEHICLE PREEMPTION SEQUENCE

| PROPOSED EMERGENCY VEHICLE PREEMPTORS |     |     |
|---------------------------------------|-----|-----|
| EMERGENCY VEHICLE PREEMPTOR           | 3   | 4   |
| MOVEMENT                              | ← → | ↑ ↓ |

| SCHEDULE OF QUANTITIES                              |      |          |
|---|------|----------|
| PAY ITEM  | UNIT | QUANTITY |
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1        |
| LIGHT DETECTOR                                      | EACH | 2        |
| LIGHT DETECTOR AMPLIFIER                            | EACH | 1        |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT            | EACH | 1        |

**NOTE**

★ 1. THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

2. THE EXISTING EMERGENCY VEHICLE LIGHT DETECTOR, CONFIRMATION BEACON AND LIGHT DETECTOR AMPLIFIER SHALL BE REMOVED AND REPLACED WITH NEW EQUIPMENT. THE EXISTING EQUIPMENT SHALL BE RETURNED TO THE VILLAGE OF MIDLOTHIAN.

\* PLANS MODIFIED BY  
ROBINSON ENGINEERING, LTD

| REVISIONS           |          |
|---------------------|----------|
| NAME                | DATE     |
| ADDED EV PREEMPTION | 01/02/08 |
|                     |          |
|                     |          |
|                     |          |
|                     |          |

VILLAGE OF MIDLOTHIAN  
LOCATION NO. 99

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED EMERGENCY VEHICLE PREEMPTION  
CABLE PLAN, PHASE DESIGNATION DIAGRAM &  
SCHEDULE OF QUANTITIES  
145TH ST & PULASKI RD (CRAWFORD AVE)

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

ROBINSON ENGINEERING, LTD.  
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708.333.8200 FAX 708.333.8800  
ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128