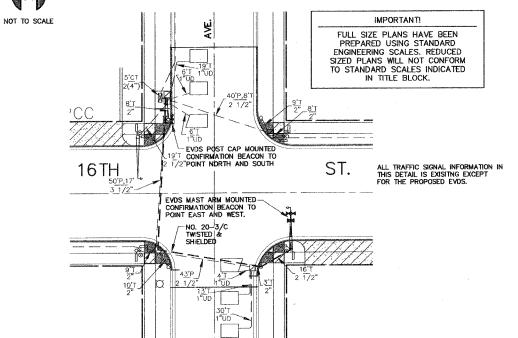


NOT TO SCALE

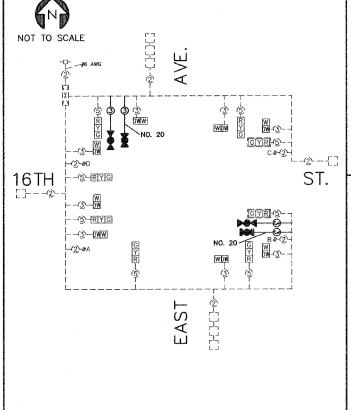
| PROPOSED PREEMF | TOR L | ANES |
|-------------------------|----------|------|
| PREEMPTOR LANE INTERVAL | 3 | 4 |
| MOVEMENT | ↓ | Į↑ |

PREEMPTOR PHASING DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE NOTES FOR DUAL ENTRY OPERATION - ALL LEGS



EXISTING TRAFFIC SIGNAL PLAN AND PROPOSED EVDS PLACEMENT



CABLE PLAN

SCHEDULE OF QUANTITIES Unit QUANTITY Description Light Detector Light Detector Amplifier Electric Cable In Conduit, No. 20, 3/C, Twisted, Shielded

| CABLE SLACK | (FT.) | VERTICAL | (FT.) |
|--------------------|-------|-------------------|---------|
| HANDHOLE | 6.5 | ALL FOUNDATIONS | 3.5 |
| DOUBLE HANDHOLE | 13 | MAST ARM (L) POLE | 20'+L-2 |
| SIGNAL POST | 2 | BRACKET MOUNTED | 2 |
| CONTROLLER CABINET | 1 | PED. PUSH BUTTON | 1 |
| FIBER OPTIC | 13 | ELECTRIC SERVICE | 13 |
| ELECTRIC SERVICE | 1 | SERVICE TO GROUND | 1 |
| GROUND CABLE | 11 | POST MOUNTED | 1 |
| | | | |

1447 03-00159-00-RS COOK 24 15 ILLINOIS PROJECT STPM-8003(581) CONTRACT NO. 83835

EXISTING

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ALL EVDS EQUIPMENT SHALL BE MANUFACTURED BY OPTICOM

TRAFFIC SIGNAL LEGEND

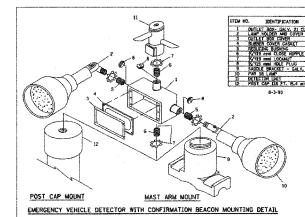
CABLE PLAN LEGEND

| | EXISTING | PROPOSED | |
|----------------------------------|-------------------------|------------|---|
| 8" TRAFFIC SIGNAL SECTION | (C) | G | CONTROLLER POWER POLE S |
| 12" TRAFFIC SIGNAL SECTION | $\overline{\mathbb{R}}$ | R | SIGNAL HEAD |
| 12" PEDESTRIAN SIGNAL SECTION | $\overline{\mathbb{W}}$ | w | SIGNAL HEAD V |
| 12" PEDESTRIAN SIGNAL SECTION | 0 | 8 | SIGNALHEAD, PI SIGNAL POST MAST ARM ASS |
| CONTROLLER CABINET | | | MAST ARM AND |
| SERVICE INSTALLATION | ф | \$ | COMBINATION M |
| TELEPHONE INSTALLATION | | Ť | STEEL WITH LUI |
| VEHICLE DETECTOR, INDUCTION LOOP | r | | UNIT DUCT |
| MAGNETIC DETECTOR | | 2223 | HANDHOLE |
| EMERGENCY VEHICLE LIGHT DETECTOR | ∞ | ● 4 | HEAVY DUTY H |
| CONFIRMATION BEACON | D⊸ | D | G.S. CONDUIT I |
| PEDESTRIAN PUSH-BUTTON DETECTOR | • | ⊙ | PEDESTRIAN PU |

MAGNET EMERGEN CONFIRM PEDESTRIAN PUSH-BUTTON DETECTOR DENOTES NUMBER OF CONDUCTORS.
ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) Œ FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F 54 SIGNAL FACE WITH BACKPLATE
"P" INDICATES PROGRAMMED HEAD

WITH BACKPLATE PEDESTRIAN SEMBLY AND POLE, STEEL ND POLE, ALUMINUM MAST ARM ASSEMBLY AND POLE, LUMINAIRE CT UD NCH HANDHOLE IN GROUND PEDESTRIAN PUSHBUTTON DETECTOR DETECTOR LOOP CAST IRON JUNCTION BOX EMERGENCY VEHICLE SYSTEM DETECTOR CONFIRMATION BEACON SIGNAL HEAD OPTICALLY PROGRAMMED SIGNAL POST RACEWAY FOR MAGNETIC DETECTOR, TYPE 2 VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE FIBER OPTIC SIGN (NO LEFT TURN) -**≅** L. FIBER OPTIC SIGN (NO RIGHT TURN) SIDEWALK REMOVAL AND REPLACEMENT UNINTERRUPTIBLE POWER SUPPLY DETECTOR LOOP, LARGER DETECTOR LOOP LINE DETECTOR LOOP QUADRAPOLE GULFBOX JUNCTION

TEMP, SIGNAL HEAD UNDERGROUND CABLE



NOTES . ALL ELECTRICAL ITEMS, EXCEPT ITEMS *2 AND *11 SHALL BE ALIMINUM OF



Frank Novotny & Associates, Inc.

Illinois Professional Design Firm No. 184-000928

CITY OF BERWYN, ILLINOIS 16TH STREET RESURFACING SECTION NO. 03-000159-00-RS

VISIONS BY DATE THK 11/30/05 DESCRIPTION
PER IDOT DIST. 1 B.L.R. COMMENTS

EMERGENCY VEHICLE DETECTION SYSTEM

SCALE VARIES SHEET 02260 15 DRAWN / DESIGNED OF JEP-RAW/THK OCT., 2005 24 CHECKED/APPROVED FIELD BOOK NO SHEETS