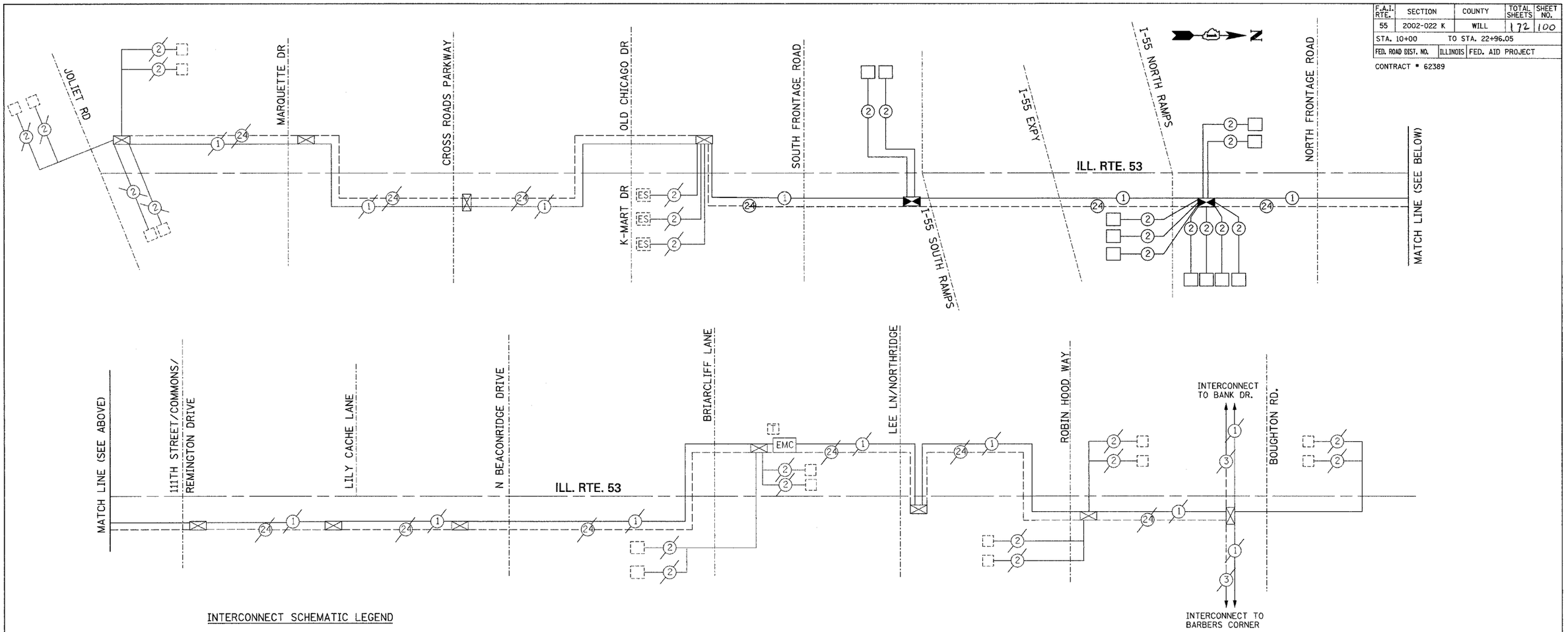
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 55 | 2002-022 K | WILL | 172 | 100 |
| STA. 10+00 | | TO STA. 22+96.05 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

CONTRACT # 62389

PLAN — SURVEYED / PLOTTED / ALIGNMENT PROPOSED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. ____ / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES PROPOSED / ELEV. NOTED / STRUCTURE NO(S) PLANS CHKD / NOTE BOOK / NO. ____ / BY / DATE




## INTERCONNECT SCHEMATIC LEGEND

| | |
|---|---|
| EXISTING INTERSECTION CONTROLLER | ⊠ |
| PROPOSED INTERSECTION CONTROLLER | ⧓ |
| EXISTING MASTER CONTROLLER | EMC |
| PROPOSED MASTER CONTROLLER | MC |
| MASTER MASTER CONTROLLER | MMC |
| EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS | |
| PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS | |
| EXISTING INTERSECTION LOOP DETECTORS PROPOSED SAMPLING (SYSTEM) DETECTORS | P |
| EXISTING SAMPLING (SYSTEM) DETECTORS | ES |
| PROPOSED SAMPLING (SYSTEM) DETECTORS | PS |
| EXISTING SAMPLING (SYSTEM) DETECTORS PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS | ESP |
| EXISTING SAMPLING (SYSTEM) DETECTORS PROPOSED SAMPLING (SYSTEM) DETECTORS | ESPS |
| EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS | PD |
| PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS | PD |
| EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS | ESPD |
| PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS | PSPD |
| EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F | 24 |
| PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F | 24 |
| EXISTING INTERCONNECT CABLE- NO. 62.5/125 12F FIBER OPTIC CABLE | 12 |
| PROPOSED INTERCONNECT CABLE- NO. 62.5/125 12F FIBER OPTIC CABLE | 12 |
| EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED | 6 |
| PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED | 6 |
| EXISTING LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED | 2 |
| PROPOSED LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED | 2 |
| EXISTING ELECTRIC CABLE 1/C (AS SPECIFIED) | 1 |
| PROPOSED ELECTRIC CABLE 1/C (AS SPECIFIED) | 1 |
| EXISTING TELEPHONE CONNECTION | T |
| PROPOSED TELEPHONE CONNECTION | T |

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

## INTERCONNECT SCHEDULE OF QUANTITIES

| QTY. | UNIT | PAY ITEM |
|---|---|---|
| 424 | FOOT | CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL |
| 159 | FOOT | CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL |
| 424 | EACH | TRENCH AND BACKFILL FOR ELECTRICAL WORK |
| 2 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 2983 | FOOT | ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C |
| 3063 | FOOT | FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F |
| 2 | EACH | DRILL EXISTING HANDHOLE |
| 2762 | FOOT | REMOVE ELECTRIC CABLE FROM CONDUIT |
| 1 | L SUM | RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM |

TS-18

| REVISIONS NAME | DATE |
|---|---|
| | |

KAM ENGINEERING, INC.
CONSULTING ENGINEERS
707A Davis Road, Suite 205
Elgin, Illinois 60123-1369

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC
ILL. RTE. 53 FROM JOLIET ROAD
TO BOUGHTON ROAD

SCALE: NONE
DATE: DECEMBER, 2004

DRAWN BY: RV
DESIGNED BY: AZ
CHECKED BY: AZ