



**CONSTRUCTION NOTES**

1. REMOVE THE EXISTING INTERCONNECT CABLE, THE APPROXIMATE LENGTH IS 2,345 FEET FROM THE McHENRY AVE. CONTROLLER TO THE DOLE AVE. CONTROLLER ALONG U.S. ROUTE 14. SEE SHEET NO. 12, 13 & 16 FOR DETAILS.
2. REMOVE THE EXISTING INTERCONNECT CABLE, THE APPROXIMATE LENGTH IS 2,268 FEET FROM THE McHENRY AVE. CONTROLLER TO THE KEITH AVE. CONTROLLER ALONG U.S. ROUTE 14. SEE SHEET NO. 12, 13 & 16 FOR DETAILS.

**INTERCONNECT SCHEMATIC LEGEND**

- INTERCONNECT CONTROLLER
- EXISTING INTERSECTION CONTROLLER
- MASTER CONTROLLER
- EXISTING MASTER CONTROLLER
- PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS
- EXISTING INTERSECTION & SAMPLING (SYSTEMS) DETECTORS
- INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE
- INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED
- LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED
- EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE
- EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELD
- EXISTING LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED
- TELEPHONE CONNECTION
- PROPOSED TRACER CABLE NO. 10 1C
- EXISTING INTERSECTION LOOP DETECTORS AND PROPOSED SAMPLING (SYSTEM) DETECTORS
- EXISTING TELEPHONE CONNECTION
- EXISTING TRACER CABLE 1/C (AS SPECIFIED)

**TRAFFIC SIGNAL SYSTEM INTERCONNECT SCHEMATIC**

**MASTER CONTROLLER INTERSECTION MONITORING SCHEDULE**

- CHANNEL I (HARDWARE CABLE)**
- US 14 & WOODSTOCK ST
  - US 14 & GREEN OAKS/CRYSTAL LAKE AV
  - US 14 & DOLE AV
  - US 14 & McHENRY AV
  - US 14 & DEVONSHIRE LN/KEITH AV
  - US 14 & VIRGINIA RD
  - US 14 & TECKLER BLVD
  - MAIN ST & WALK-UP AV

- CHANNEL 2 (FIBER OPTIC CABLE)**
- US 14 & MAIN ST
  - US 14 & CRYSTAL POINT DR
  - US 14 & CRYSTAL COURT MALL
  - US 14 & EXCHANGE DR
  - US 14 & PINGREE RD
  - US 14 & COG CIRCLE
  - US 14 & ILL 31 WESTSIDE RAMPS
  - US 14 & ILL 31 EASTSIDE RAMPS
  - US 14 & SANDS RD

**INTERCONNECT QUANTITIES**

QUANTITIES	UNIT	ITEM
299	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
4613	FOOT	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 18 3 PAIR
32	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	DRILL EXISTING HANDHOLE
1	L SUM	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM

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

DIVISION OF TRANSPORTATION	
TRAFFIC SIGNAL SYSTEM	
INTERCONNECT MODERNIZATION	
<b>US ROUTE 14</b>	
<b>(ILLINOIS 176 TO SANDS RD)</b>	
NAME	DATE
REVISIONS	
SCALE: NONE	DRAWN BY: AC
DATE: OCT. 10, 2003	DESIGNED BY: JL
	CHECKED BY: PK