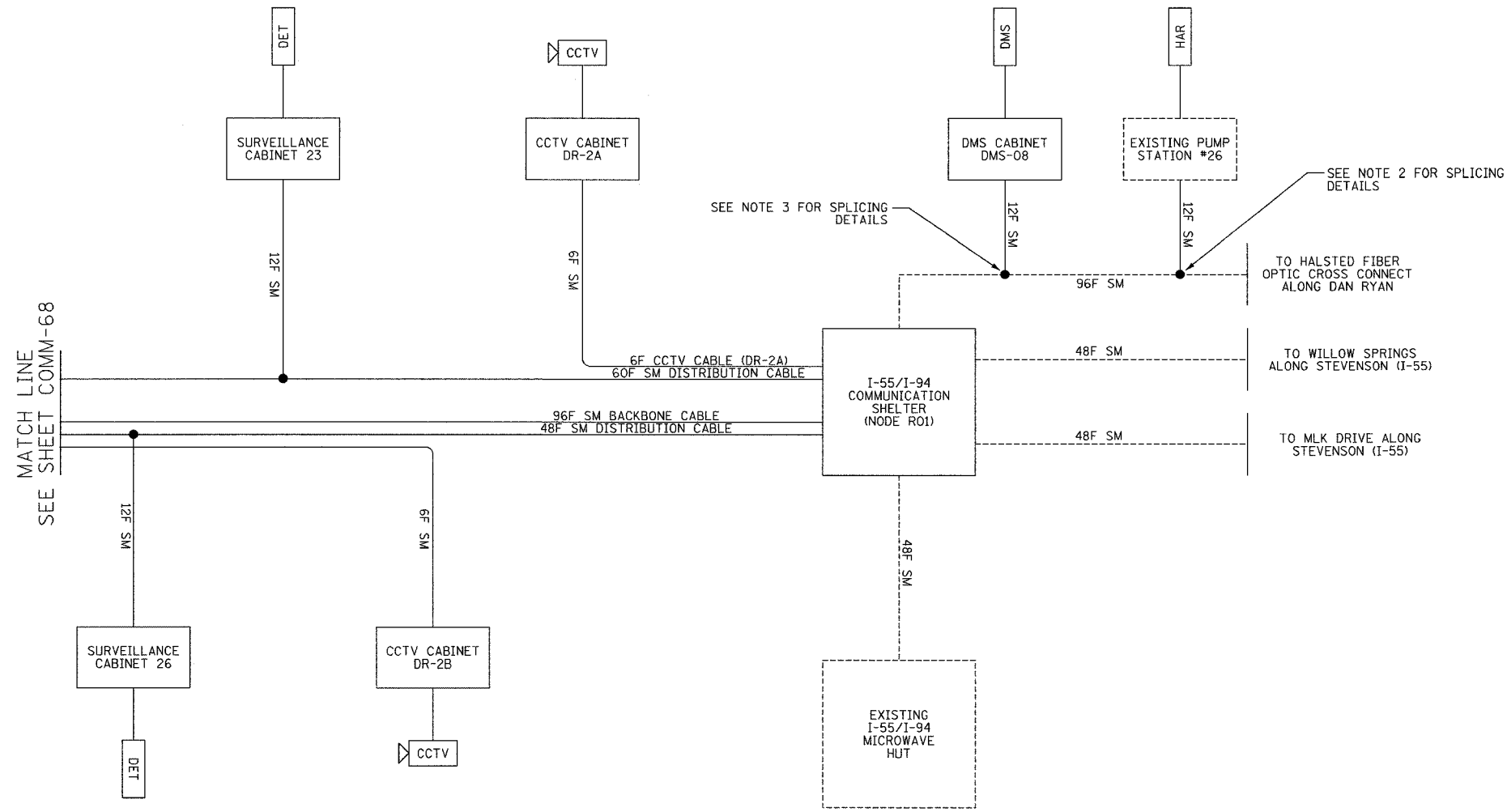


|                              |           |                  |              |           |
|------------------------------|-----------|------------------|--------------|-----------|
| F.A.I. RTE.                  | SECTION   | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 94/90                        | 2003-031I | COOK             | 976          | 835       |
| STA.                         |           | TO STA.          |              |           |
| FED. ROAD DIST. NO. ILLINOIS |           | FED. AID PROJECT |              |           |
| 62583                        |           |                  |              |           |



**LEGEND**  
 ---- EXISTING EQUIPMENT  
 - - - - PROPOSED EQUIPMENT

DMS DYNAMIC MESSAGE SIGN SITE  
 DET VEHICLE DETECTOR SITE  
 RM RAMP METER SITE

- LEGEND:**
1. THIS DRAWING DEPICTS THE FIBER OPTIC SPLICING DETAILS. FOR FIBER OPTIC CABLE INSTALLATION DETAILS, SEE SHEETS COMM-01 THRU COMM-52. FOR SURVEILLANCE EQUIPMENT INSTALLATION DETAILS, SEE SHEETS DET-01 THRU DET-47. FOR CCTV EQUIPMENT INSTALLATION DETAILS, SEE SHEETS CCTV-01 THRU CCTV-34.
  2. CONTRACTOR TO PATCH TO EXISTING FIBER OPTIC CABLE IN EXISTING DMS CABINET. SEE SHEET COMM-53 FOR INSTALLATION DETAILS.
  3. CONTRACTOR SHALL COORDINATE WITH ENGINEER WHEN SPLICING INTO EXISTING 96 FIBER CABLE AT THE CHICAGO RIVER DMS. SEE SHEET COMM-52 FOR INSTALLATION DETAILS.

| PIGTAIL FIBER NO. | FUNCTION | APPLICATION DESCRIPTION | SURVEILLANCE CABINET 26 | SURVEILLANCE CABINET 23 |
|-------------------|----------|-------------------------|-------------------------|-------------------------|
| 1                 | IN TX    | DATA CIRCUIT            | R01-R03 1N              | R01-R02 2S              |
| 2                 | IN RX    |                         | R01-R03 2N              | R01-R02 1S              |
| 3                 | OUT RX   |                         | R01-R03 1S              | R01-R02 2N              |
| 4                 | OUT TX   |                         | R01-R03 2S              | R01-R02 1N              |
| 5                 |          | FUTURE                  | R01-R03 3N              | R01-R02 4S              |
| 6                 |          |                         | R01-R03 4N              | R01-R02 3S              |
| 7                 |          |                         | R01-R03 3S              | R01-R02 4N              |
| 8                 |          |                         | R01-R03 4S              | R01-R02 3N              |
| 9                 | IN TX    | DMS                     |                         |                         |
| 10                | IN RX    |                         |                         |                         |
| 11                | OUT RX   |                         |                         |                         |
| 12                | OUT TX   |                         |                         |                         |

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| REVISIONS |          |
|-----------|----------|
| NAME      | DATE     |
| REVISION  | 02/11/05 |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31st STREET to I-57

FIBER OPTIC SCHEMATIC  
 (SHEET 8 OF 8)

SCALE: NTS  
 DATE: October 29, 2004

DRAWN BY: DHI  
 CHECKED BY: JEZ

COMM-69

04/21/05 PM 5:05