



GENERAL NOTES

1. LOADING AND ALLOWABLE STRESS CRITERIA: 1994 AASHTO
2. MAXIMUM 1-INCH POLE TOP DEFLECTION WITH 30 MPH WIND VELOCITY, NO GUST.
3. LOCATIONS OF THE CCTV CAMERA INSTALLATIONS ARE APPROXIMATE. THE CONTRACTOR MAY ADJUST THE LOCATIONS OF THE INSTALLATIONS TO FACILITATE INSTALLATION WITH WRITTEN APPROVAL OF THE RESIDENT ENGINEER AND THE ELECTRICAL DESIGN SECTION. ALL STANDARD NON-FRANGIBLE SETBACK REQUIREMENTS AS WELL AS CLEAR ZONE REQUIREMENTS SHALL BE MAINTAINED.
4. THE STRUCTURE SHALL ALSO BE DESIGNED AND COORDINATED TO ACCOMMODATE THE LOADING OF THE RADIO ANTENNAS AS REQUIRED AND SPECIFIED ELSEWHERE.
5. THE POLE SHALL BE A MAXIMUM OF THREE SECTIONS FOR FIELD ASSEMBLY. THE POLE SHAFTS SHALL BE A ROUND CROSS SECTION AND MEET THE REQUIREMENTS OF ASTM A595 GRADE A WITH A MINIMUM YIELD STRENGTH OF 55,000 PSI. THE BOTTOM SECTION SHALL HAVE A MINIMUM .3125 WALL THICKNESS AND A MINIMUM DIAMETER OF 23". THE POLE SHALL HAVE A PROVISION FOR VENTING AT THE TOP AND BOTTOM TO PREVENT CONDENSATION BUILDUP ON THE INTERIOR OF THE POLE SHAFT.
6. CABLE SUPPORTS SHALL BE PROVIDED OF ALL CABLES INSIDE OF POLE SO THAT NO CABLE LOADING IS EXCEEDED. CALCULATIONS SHALL BE SUBMITTED FOR THE CABLES BEING FURNISHED.
7. ALL EQUIPMENT SHALL BE GROUNDED, INCLUDING RADIO, ANTENNA CONNECTIONS AND SPIKE SUPPRESSION.
8. DOCUMENTATION SHALL BE SUBMITTED THAT THE POLE IS FULLY COORDINATED WITH THE CAMERA LOWERING DEVICE.
9. ALL CABLES, INCLUDING LOWERING DEVICE CABLES, SHALL BE WITHIN THE POLE SHAFT. EXTERNAL CABLING WILL NOT BE PERMITTED.
10. UNLESS OTHERWISE INDICATED, OR AS DIRECTED BY THE ENGINEER, THE CAMERA LOWERING DEVICE SHALL BE ORIENTED PERPENDICULAR TO THE MAINLINE INTERSTATE FOR THE LEAST OBSTRUCTED VIEW OF THE INTERSTATE ROADWAY.

MATERIAL REQUIREMENTS

| COMPONENT | ASTM DESIGNATION | MIN. YIELD (KSI) |
|------------------------|------------------|------------------|
| POLE SHAFT | A572 GR. 65 | 65 |
| BASE PLATE | A36 | 36 |
| POLE TOP PLATE | A36 | 36 |
| ANCHOR BOLTS | F1554 GR. 55 | 55 |
| GALVANIZING, STRUCTURE | A123 | N/A |
| GALVANIZING, HARDWARE | A153 | N/A |

E60

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|-----------|-----------|----------------|--------------------------|
| FILE NAME | USER NAME | DESIGNED RT | REVISED ADDENDUM 5/ /09 |
| | | DRAWN RT | REVISED |
| | | CHECKED MEA | REVISED |
| | | DATE 4/22/2009 | REVISED |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CCTV CAMERA EXPANSION - FAI 55 (US 6 TO I-294)
CCTV CAMERA STRUCTURE, 80 FT M.H., GALVANIZED STEEL**

SCALE: NONE SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

| | | | | |
|--------------------|------------|--------|---------------------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| FAI55 | 2007-062 I | | 65 | 65 |
| CONTRACT NO. 60E01 | | | ILLINOIS FED. AID PROJECT | |

* COOK, DUPAGE, WILL