

ROUTE SECTION COUNTY *** 52 12 TO STA. STA. FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

CONTRACT# 76973

FAI 55/70

HANDHOLE FRAME

NOTES:
1) POLE TUBE ASTM A572, GR. 50 MIN. BASE PLATE

ASTM A572, GR. 50. • FAI 55/70

ASTM A500, GR B TUBING. • FAI 55/70

DIST 8 ITS 2006-2

MADISON & ST. CLAIR &

ASTM A36 MIN.

HANDHOLE COVER ASTM F1554, GR. 55, TOP H.D. GALVANIZED TO ASTM A153. 5) ANCHOR BOLTS 6) ANCHOR NUTS ASTM A563, GR. DH or A194, GR.

2H, H.D. GALVANIZED TO ASTM A153. ASTM F436, TYPE 1, H.D. GALVANIZED TO ASTM A153. 7) ANCHOR WASHERS

ASTM A572, GR. 50. ASTM A53, GR. B PIPE. ASTM A512 OR A513. 8) TOP PLATE 9) TENON 10) TENON SLEEVE 11) WELDING AWS D1.1.

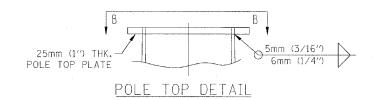
H.D. GALVANIZED TO ASTM A123. 12) FINISH 13) POLE CAP CAST ALUMINUM OR GALVANIZED STEEL.

14) VALUE STRUCTURES, INC., IS CERTIFIED BY A.I.S.C. FOR CONVENTIONAL STEEL BUILDING STRUCTURES, SIMPLE STEEL CONVENTIONAL STEEL BUILDING STRUCTURES, SIMPLE STEEL BRIDGES, WITH FRACTURE CRITICAL ENDORSEMENT.

DESIGN NOTE;
CCTV POLES AND ANCHORAGE ARE ALL DESIGNED TO ACCEPT
MAXIMUM LOADING FROM CAMERAS, STATIONARY ARMS AND
LOWERING DEVICES. THE COMBINATION OF CAMERA AND
LOWERING DEVICE ASSEMBLY OF 3.0 SQ. FT. EPA AND 130 LBS
DEADLOAD RESULTING IN THE LARGEST AREA AND WEIGHT FOR
POLE DESIGN TO THE FOLLOWING LOADING CASES; ALL PER
AASHTO 2001 STANDARD SPECIFICATIONS FOR STRUCTURAL
SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 4TH EDITION. LOAD CASE 1

80 MPH AASHTO

LOAD CASE 2
30 MPH SUSTAINED WIND FOR MAXIMUM HORIZONTAL DEFLECTION
@ POLE TOP NOT TO EXCEED 1".



DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

POLE MOUNTED CCTV DETAIL WITH CAMERA LOWERING DEVICE (SHEET 2 OF 3)

> FAI 55/70 SECTION DIST 8 ITS 2006-2 MADISON AND ST. CLAIR COUNTY AND ST. LOUIS, MO

DATE 5/23/2006

DATE NAME SCALE ENCE PLOT FILE PLOT REFEU