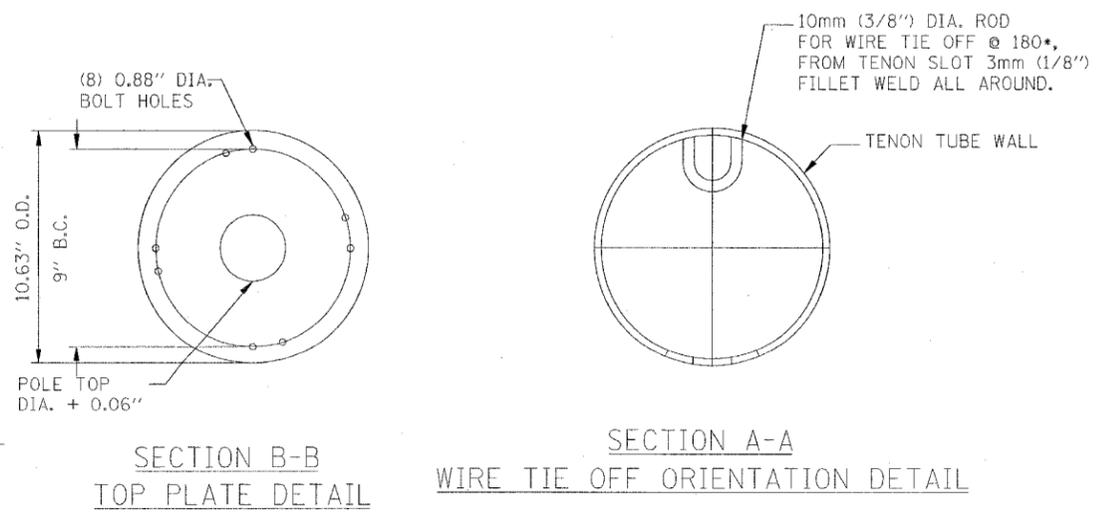
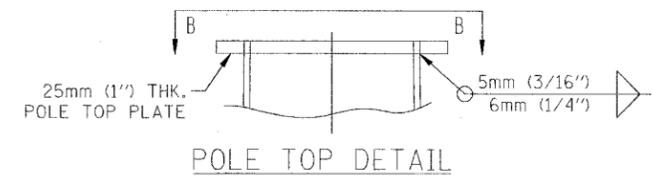
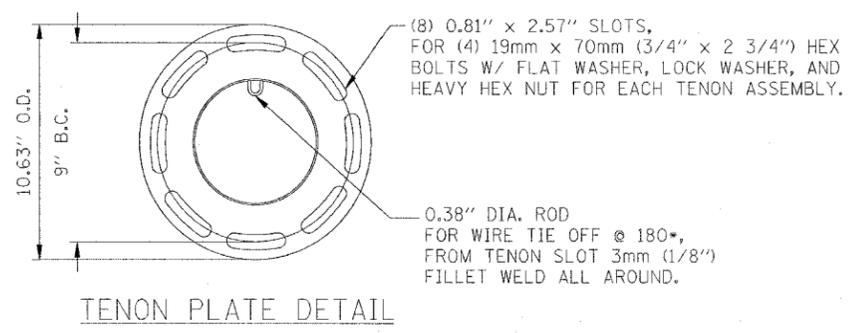
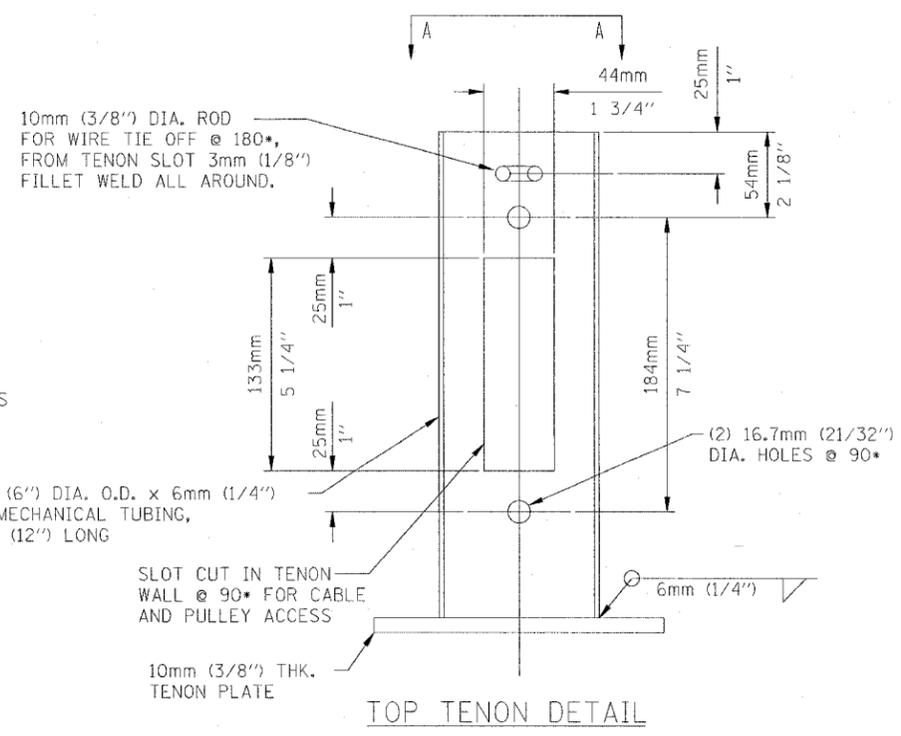
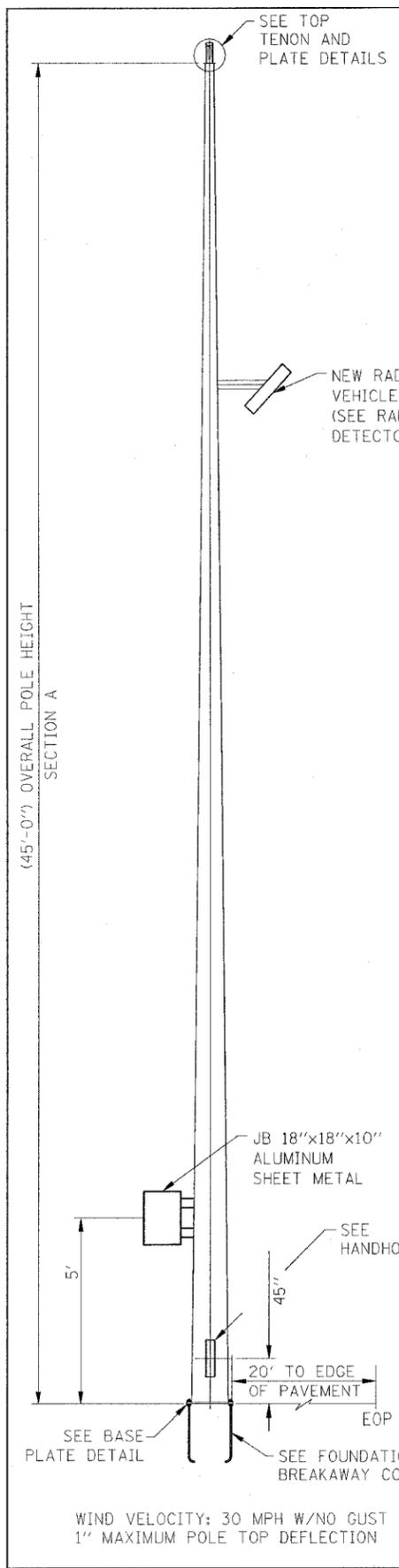


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	•••	52	12
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FAI 55/70 CONTRACT# 76973  
 DIST 8 ITS 2006-2  
 MADISON & ST. CLAIR & CITY OF ST. LOUIS, MO

- NOTES:
- POLE TUBE ASTM A572, GR. 50 MIN.
  - BASE PLATE ASTM A572, GR. 50.
  - HANDHOLE FRAME ASTM A500, GR B TUBING.
  - HANDHOLE COVER ASTM A36 MIN.
  - ANCHOR BOLTS ASTM F1554, GR. 55, TOP H.D. GALVANIZED TO ASTM A153.
  - ANCHOR NUTS ASTM A563, GR. DH or A194, GR. 2H, H.D. GALVANIZED TO ASTM A153.
  - ANCHOR WASHERS ASTM F436, TYPE 1, H.D. GALVANIZED TO ASTM A153.
  - TOP PLATE ASTM A572, GR. 50.
  - TENON ASTM A53, GR. B PIPE.
  - TENON SLEEVE ASTM A512 OR A513.
  - WELDING AWS D1.1.
  - FINISH H.D. GALVANIZED TO ASTM A123.
  - POLE CAP CAST ALUMINUM OR GALVANIZED STEEL.
  - 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".



REVISIONS	
NAME	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

PLOT DATE = 5/23/2006  
 PLOT SCALE = 1/8" = 1'-0"  
 REFERENCE = #REF#