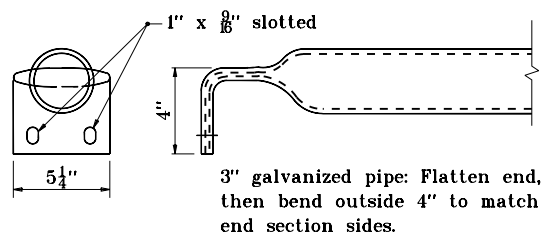
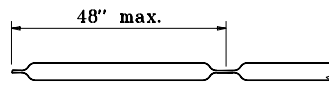


OR



### TRANSVERSE SAFETY BAR DETAILS



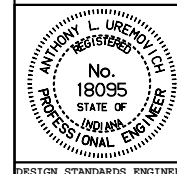
### LONGITUDINAL SAFETY BAR DETAIL

INDIANA DEPARTMENT OF TRANSPORTATION

### SAFETY METAL CULVERT END SECTIONS FOR SMOOTH PIPE

JANUARY 1998

STANDARD DRAWING NO. **E 715-SMES-09**



DETAILS PLACED IN THIS FORMAT 7-27-99

/s/ Anthony L. Uremovich 7-27-99  
DESIGN STANDARDS ENGINEER DATE

/s/ Firooz Zandi 7-27-99  
CHIEF HIGHWAY ENGINEER DATE  
ORIGINALLY APPROVED 1-02-98