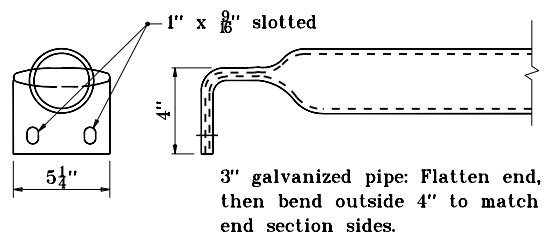
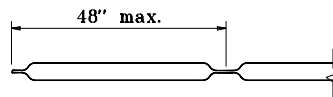


OR



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
DESIGN STANDARDS ENGINEER	ORIGINALLY APPROVED 1-02-98