



$W_s$  = WIDTH OF SMALLER FLANGE (in.)  
 $L$  = LENGTH OF PROPOSED FLANGE EXTENSION (FT.)  
 $T_1$  = THICKNESS OF SMALLER FLANGE (in.)  
 $T_2$  = THICKNESS DIFFERENCE BETWEEN FLANGES (IN.)

ECONOMICAL USE OF BUTT WELDED SPLICES  
IN PLATE GIRDER FLANGES

FIGURE 7.5