



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

**ECONOMICAL USE OF BUTT WELDED SPLICES**  
**IN PLATE GIRDER FLANGES**

FIGURE 7.5