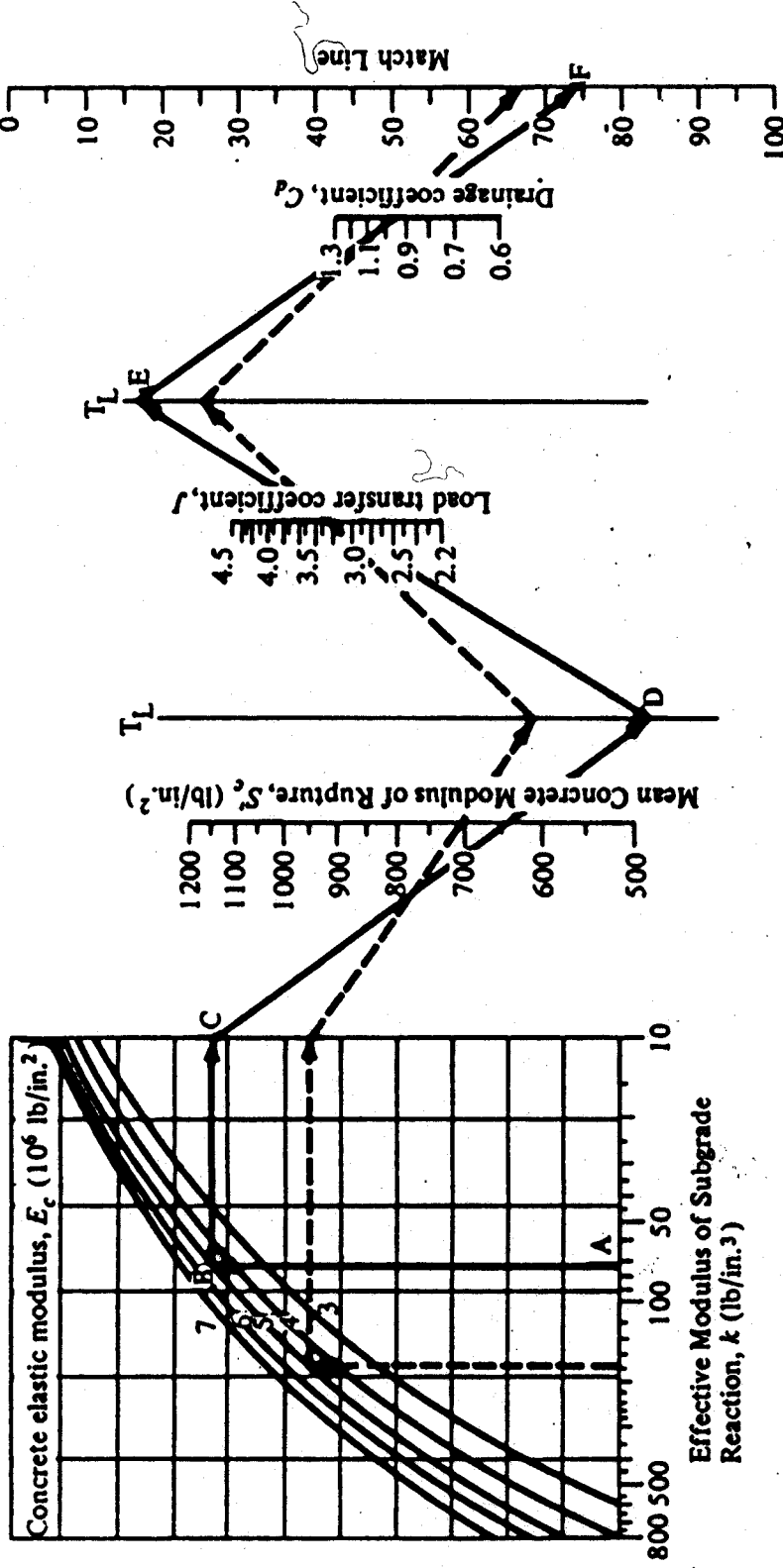
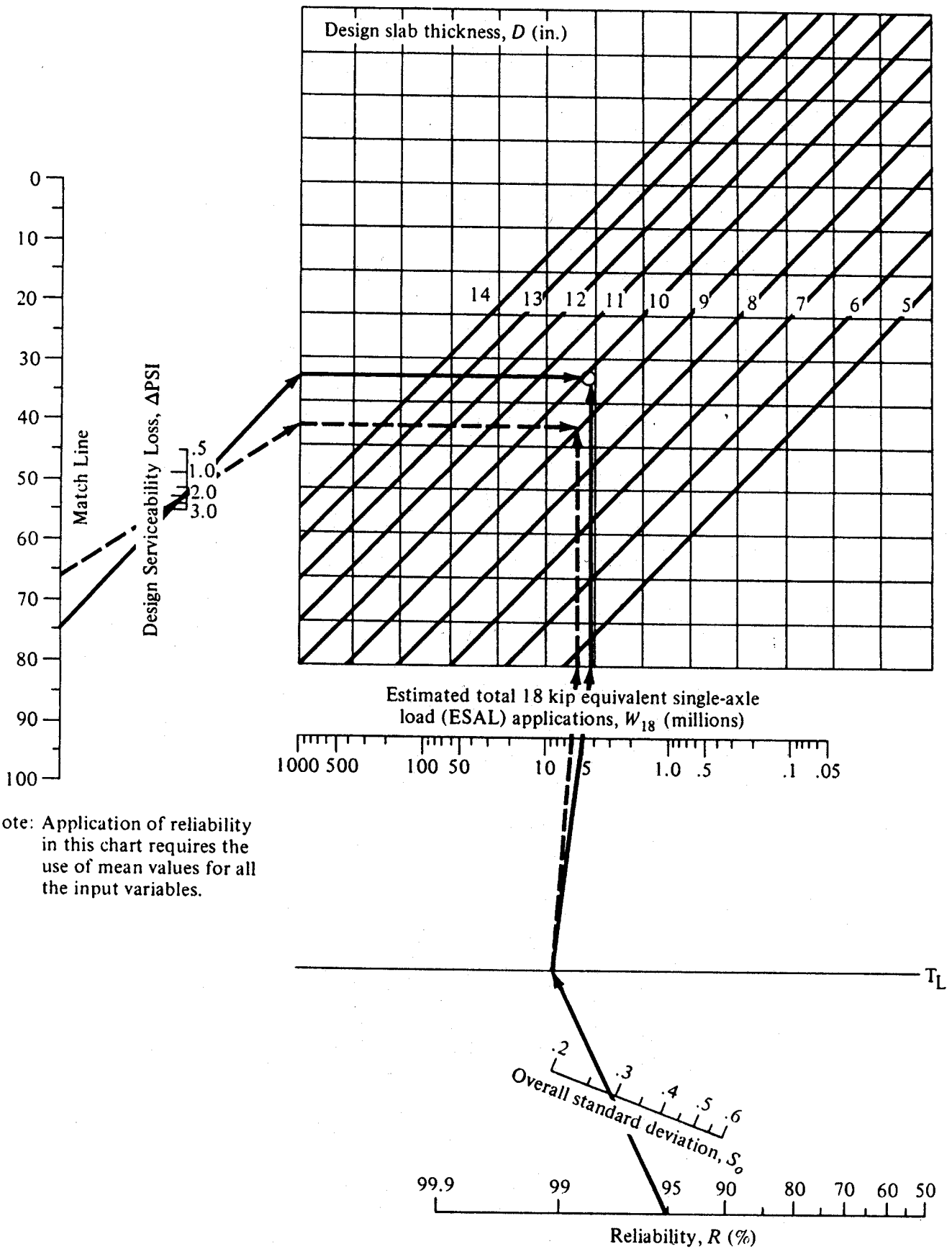


■ Design Chart for Rigid Pavements Based on Using Mean Values for Each Input Variable (segment 1)



Example:
 $k = 72 \text{ lb/in.}^3$ $S_o = 0.29$
 $E_c = 5 \times 10^6 \text{ lb/in.}^2$ $R = 95\% (Z_R = -1.645)$
 $S'_c = 650 \text{ lb/in.}^2$ $\Delta PSI = 4.2 - 2.5 = 1.7$
 $J = 3.2$ $W_{18} = 5.1 \times 10^6 \text{ (18 kip ESAL)}$
 $C_d = 1.0$ Solution: $D = 10.0 \text{ in. (nearest half-in., from segment 2)}$

Figure 21.14 ■ Design Chart for Rigid Pavements Based on Using Mean Values for Each Input Variable (segment 2)



Note: Application of reliability in this chart requires the use of mean values for all the input variables.