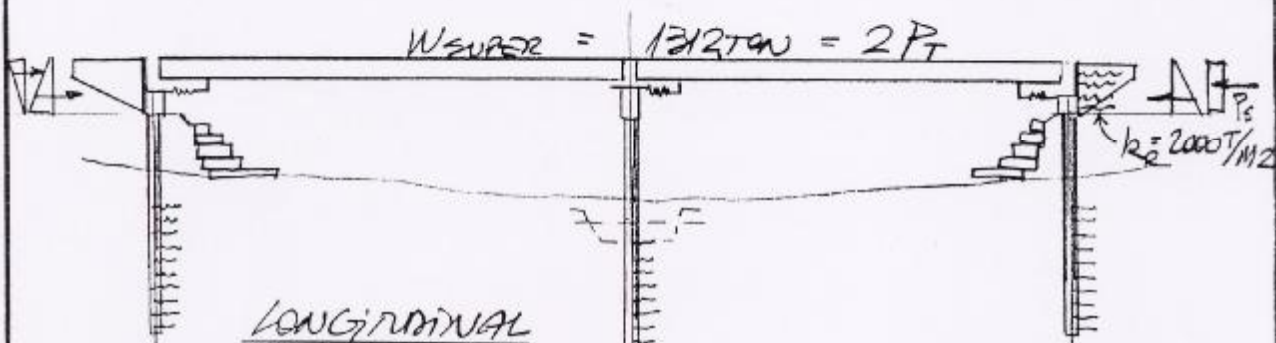


6.- RESPUESTA SISMICA  $A=0.30g$



$$\begin{aligned} k_p &= 1986 \text{ T/M} \\ k_{EPA} &= 1376 \checkmark \\ k_{eff} &= 813 \text{ T/M} (19\%) \\ \sum k_{eff} &= 4236 \text{ T/M} \end{aligned}$$

$$\begin{aligned} k_p &= 6776 \text{ T/M} \\ k_{EPA} &= 1877 \checkmark \\ k_{eff} &= 1470 \text{ T/M} (75\%) \end{aligned}$$

$$\begin{aligned} k_p &= 1986 \text{ T/M} \\ k_{EPA} &= 120000 \text{ T/M} \\ k_{eff} &= 1953 \text{ T/M} (46\%) \end{aligned}$$

$$T_L = 2\pi \sqrt{W / \sum k_{eff} g} = 1.12 \text{ seg.} \quad C_L = A S / T^{2/3} = 0.28g$$

$$\begin{aligned} \text{CON } R_E &= 1.4 \\ \text{USAR} & \times \\ H_E &= 19\% \times \frac{28}{1.4} \times 2P_T \\ &= 0.076 P_T \end{aligned}$$

$$\begin{aligned} \text{CON } R_E &= 1.4 \\ \text{USAR} & \times \\ H_E &= 35\% \times 0.28 \times 2P_T \\ &= 0.14 P_T \end{aligned}$$

$$\begin{aligned} \text{CON } R_E &= 1.4 \\ \text{USAR} & \times \\ H_E &= 46\% \times \frac{28}{1.4} \times 2P_T \\ &= 0.184 P_T \\ &= 120.7 \text{ TON} \\ (P_S &= 2.0 \text{ TON} \times 60 \text{ M}^2) \end{aligned}$$

TRANSVERSAL

$$\begin{aligned} k_{EPA} &= 6698 \text{ T/M} \times 2 \\ k_{eff} &= 1730 \text{ T/M} (25\%) \\ \sum k_{eff} &= 6798 \text{ T/M} \end{aligned}$$

$$\begin{aligned} k_{EPA} &= 6577 \text{ T/M} \\ k_{eff} &= 3338 \text{ T/M} (49\%) \end{aligned}$$

$$\begin{aligned} k_{EPA} &= 6698 \text{ T/M} \times 2 \\ k_{eff} &= 1730 \text{ T/M} \end{aligned}$$

$$T_T = 2\pi \sqrt{W / \sum k_{eff} g} = 0.88 \text{ seg.} \quad C_T = A S / T^{2/3} = 0.326g$$

$$\begin{aligned} \text{CON } R &= 2 \\ \text{USAR} & \times \\ H_E &= 25\% \times \frac{326}{2} P_T = 0.08 P_T \end{aligned}$$

$$\begin{aligned} \text{CON } R &= 2 \\ \text{USAR} & \times \\ H_E &= 49\% \times \frac{326}{2} P_T = 0.16 P_T \end{aligned}$$