



Upward preview Po to countered the downward fore from \_ to keep everything in static equilibrium For case of analysis: Assume the beam is bent to an angle T Downward force: 200WH Upward Force due to Po:  $P_{y}(0) = P_{s} SMO$   $F_{u} = \int_{0}^{T} (P_{s} SMO) W(RdO)$ = -PowRcosol [Equilibrium] = 2RWP. = 20 WH -> Po= FoH gos beam load = PoW, to = displacement of qo= 50 WH dis generalizer to smaller displacements of angles Uring the differential beam bonding equation: div = EI ??? dyn = gE unthomb N=-EI dim









