Life service DDBD Design of concrete mix, cover, w/c, and geometrical properties. Using Life 365, FIB34 or AASHTO R19A Set Performance Level Does mix allow for corrosion to occur during life of structure Corrosion parameters Obtain Time to Estimate corrosion CL<10% Update corroded geometric and effective properties Design of structure Apply DDBD Gravity loads check Create and execute Performace level < LS and quality control and φRn>Ru maintenance plans