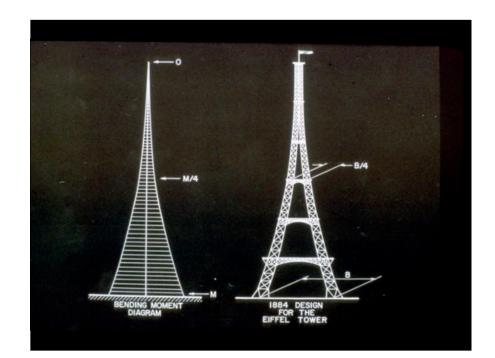
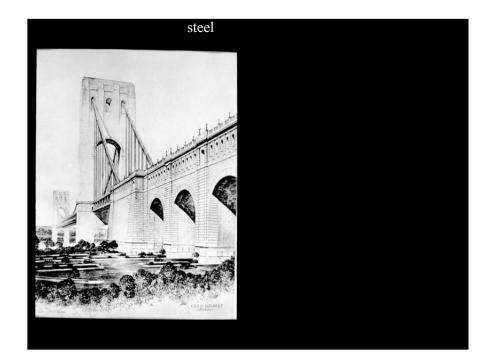
## Robert Maillart and the Origins of Reinforced Concrete

New materials and new structural forms The scientific function of reinforced concrete The scientific function of the 3-hinged arch Evolution of form in the concrete hollow box arches of Robert Maillart Bending moments and the form of the Salginatobel Bridge



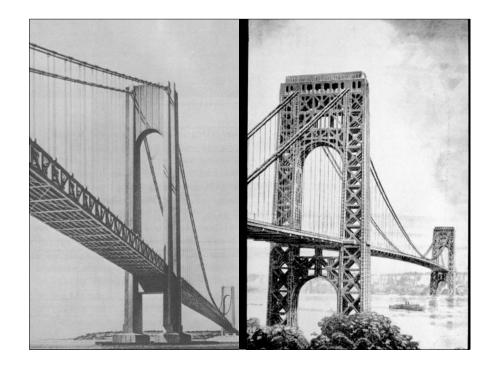


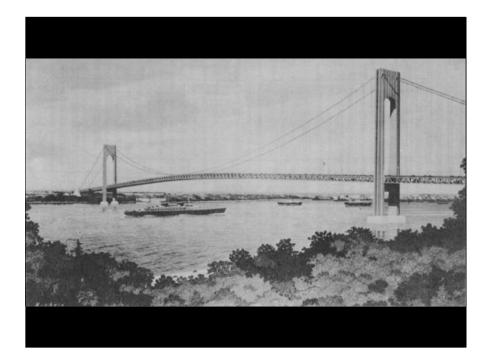


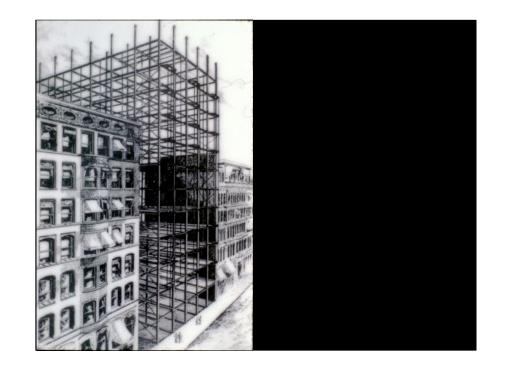


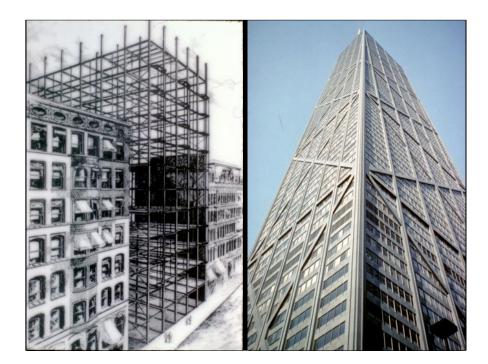






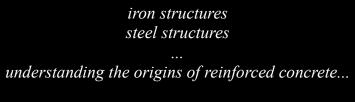


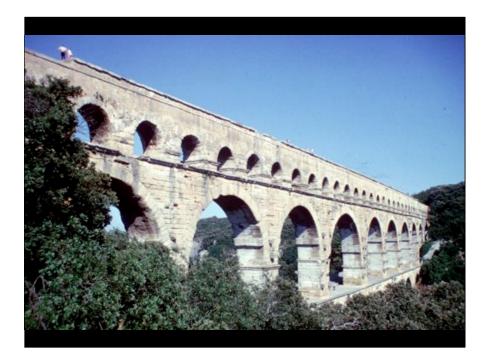


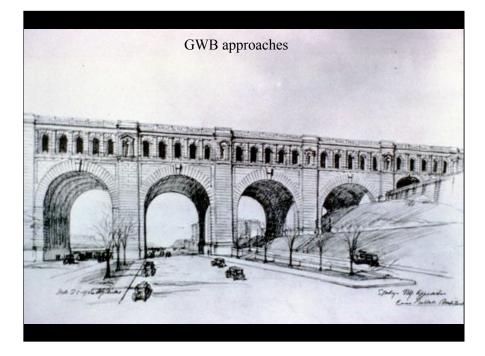


















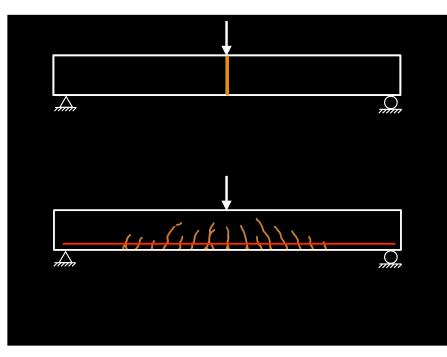


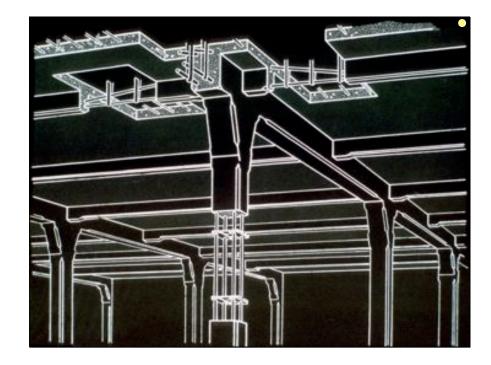
reinforced concrete













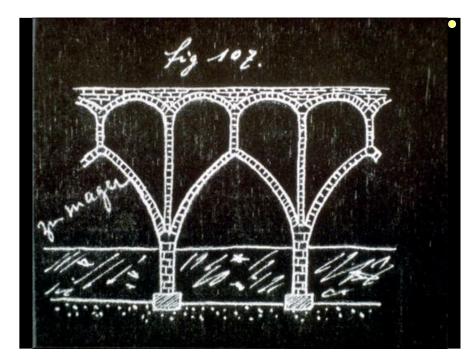






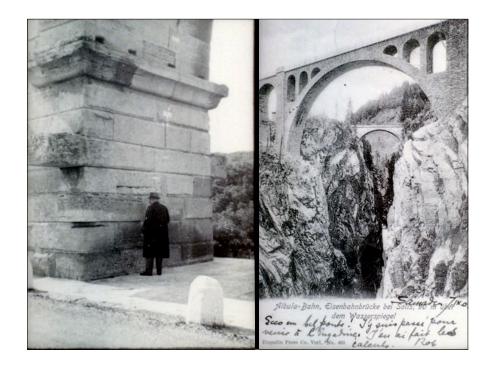


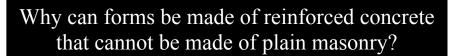




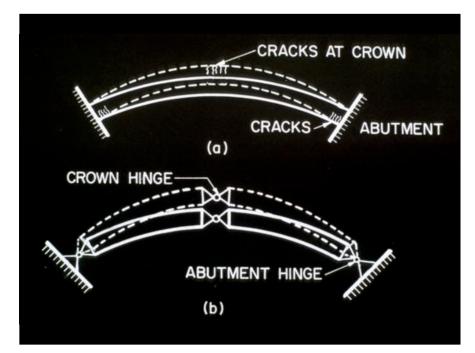


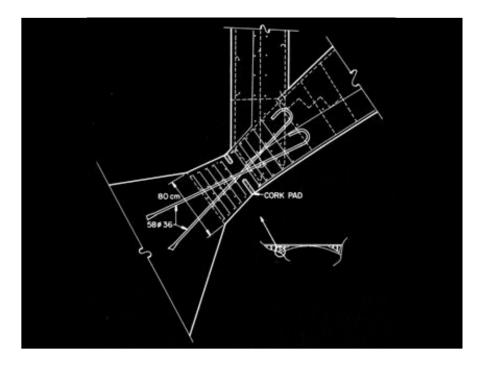


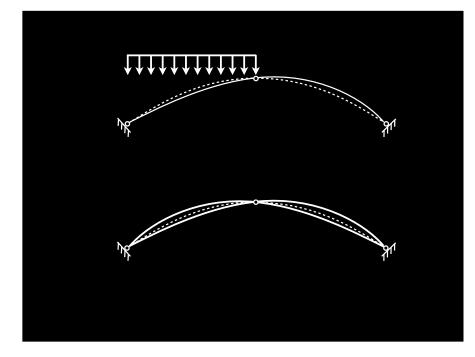


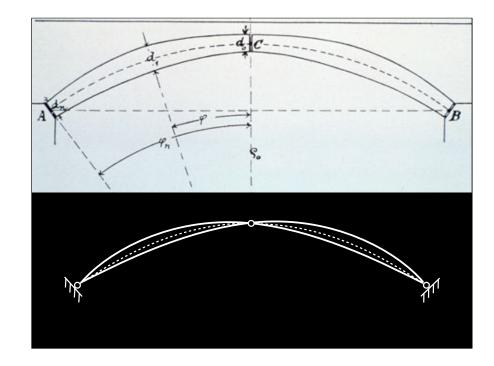


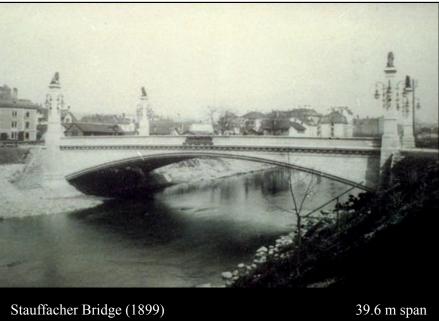




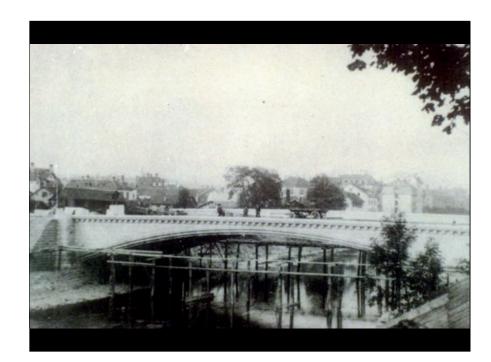


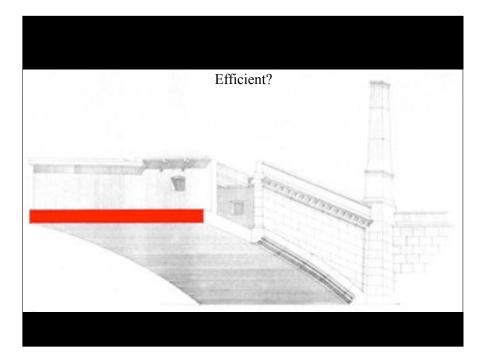






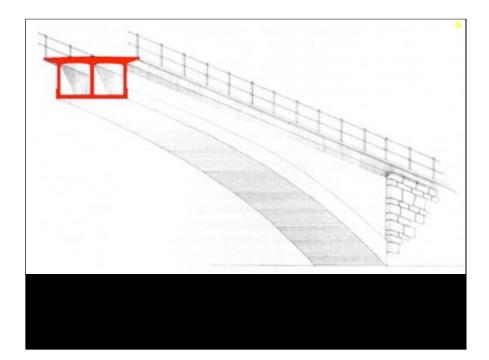
Stauffacher Bridge (1899)

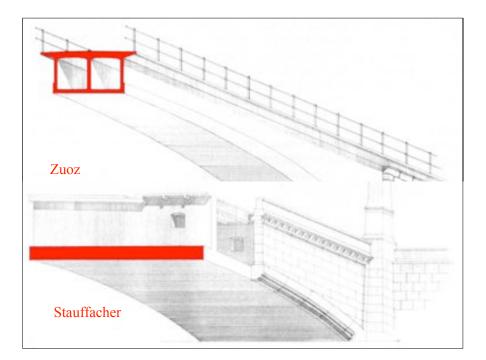


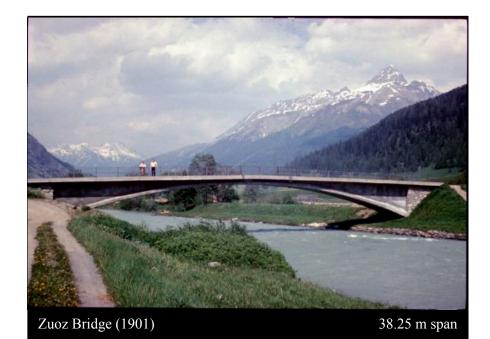


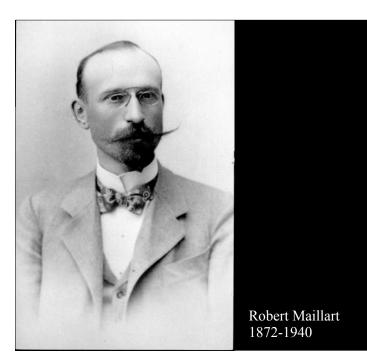




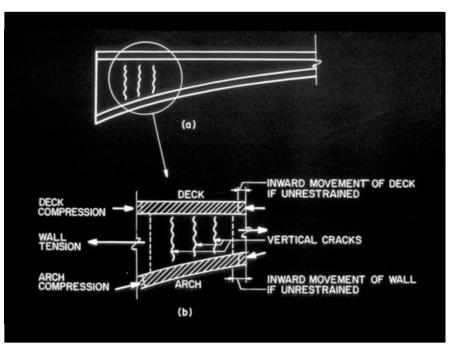


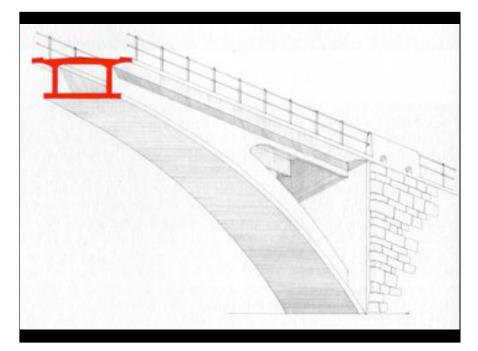


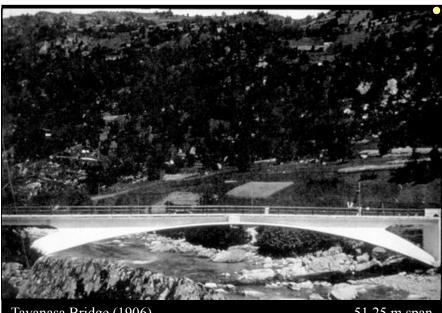






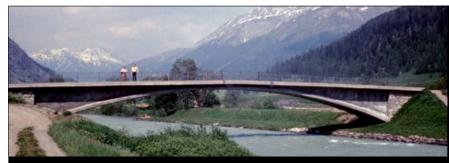






Tavanasa Bridge (1906)

51.25 m span



Do these bridges function structurally in different ways?





Do these bridges express their function in different ways?



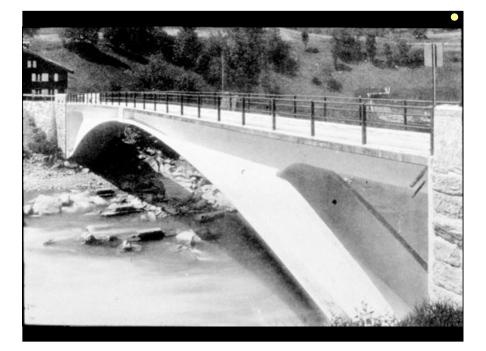


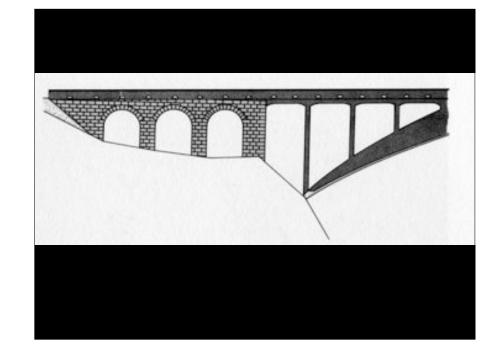


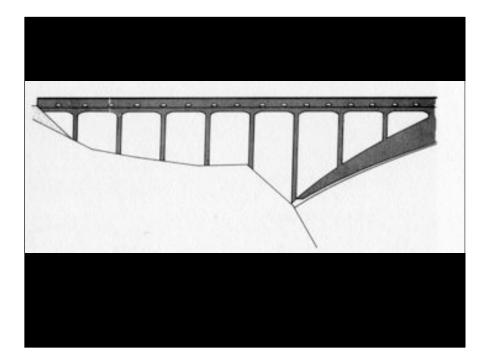


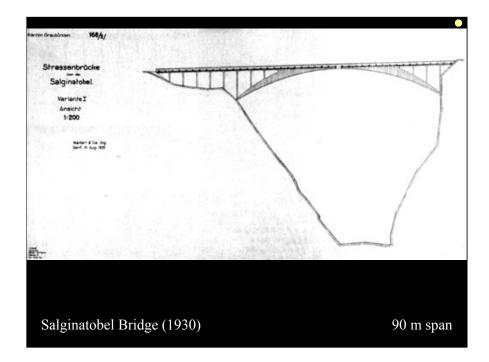






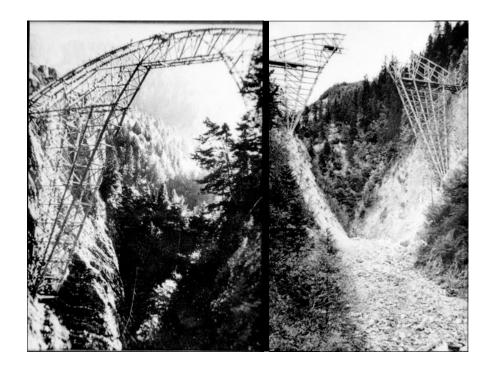














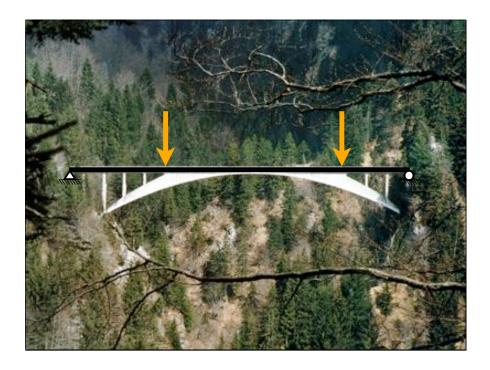


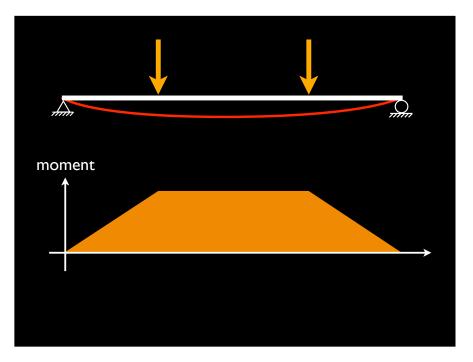




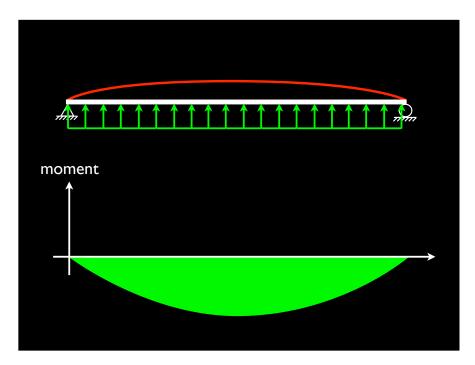


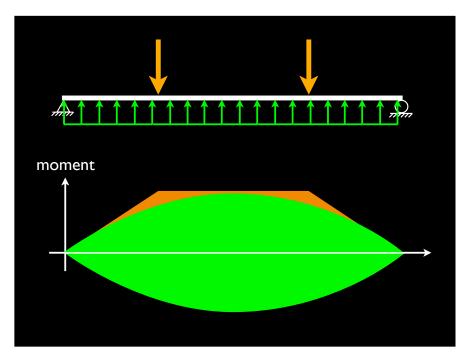


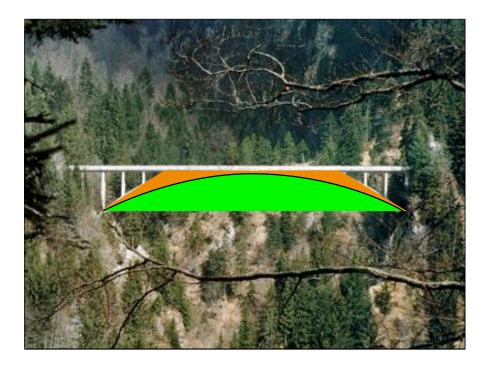


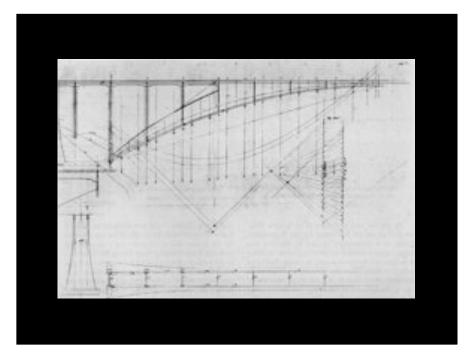




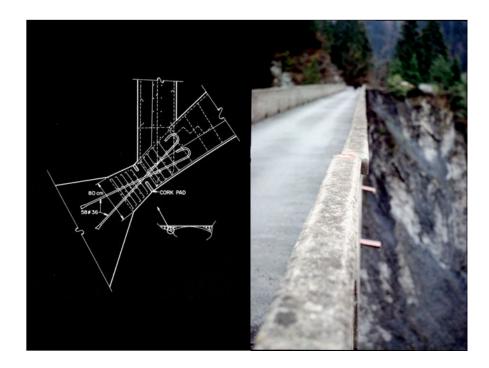
















Salginatobel Bridge (1930)

90 m span

