

Jacking System for Jacking a Bridge Superstructure

The photographs below illustrate a jacking system used to jack a bridge superstructure. Various components of the system include jack supports, bracing, jacks, buildup, shims, gauges, etc.



Figure 1. A fairly typical jacking system. Note the restraint of the cap beam to prevent unwanted movement.



Figure 2. A jacking manifold used to split the hydraulic line to individual jacks. Note that each jack has a dedicated control valve and pressure gauge.