

CSiBridge

Explore CSiBridge Test Problems

List of CSiBridge Test Problems

Title	Description
Internal (eigen) stresses resulting from non-uniform temperature gradient loading	
Staged-construction analysis of two-span precast-girder bridge	Modeling and construction stage analysis of precast-girder bridge which is simply supported for dead load and continuous for live load.
Bridge shrinkage example	Evaluate shrinkage for a one-span and a continuous two-span bridge system.
Hyperstatic forces for bridge-object superstructures	The hyperstatic forces within a superstructure which is modeled using bridge objects may be obtained using any of three methods described in this test problem.
Start and end station for bridge line-load input	This test problem explains start- and end-station interpretation for line load offset from baseline.
Modeling segmental-bridge joint openings	The modeling and response of joint openings, simulated using gap link elements, between shell segments of a post-tensioned bridge deck.
Horizontal moving loads	Demonstration of horizontal moving loads