

Objectives

- 1 - To study bridge structural systems.
- 2 - To study forces developed in structures.
- 3 - To define the individual steps needed to complete objective #1.

The Problem

Find as many bridges on campus as you can and make a list of the bridges and the type of structural system employed. Pick your favorite, (structurally speaking.) Estimate the loads on the bridge. Determine, to the best of your present abilities, what the internal forces are on the bridge.

Don't go crazy with this. I am looking for general forces and moments, whichever apply. I am not asking for a complete bridge design just a simple study of the internal forces.