

GROUP MEMBERS:

CE 8060 – STRUCTURAL DYNAMICS
Homework #5

Assigned: Tuesday, September 2, 2014

Due: Thursday, September 4, 2014 (beginning of class)

Homework must be done neatly in pencil, on 8 ½”x 11” paper, stapled together. Each step must be easily followed; diagrams are useful. Your assumptions must be clearly stated.

Make Sure to Include The Cover Page!

Make Sure to Write Both Group Members' Names!

Remember what we talked about the Millennium Bridge in London? To follow up that discussion, you are asked to explain, in a few sentences what ultimate strength and serviceability failures mean, and to provide a real world example (with at least one figure/photo) for each failure type. In the examples, discussion should be made on the following criteria:

- Describe how the structure failed
- State the reason that caused the structural damage or failure
- Discuss if there is any action can be made to prevent failure

Feel free to type your discussion in Microsoft Word and submit the print out.