

CE 461 – STRUCTURAL ANALYSIS

Fall, 2006

Ill-Defined Problem for Lesson Plan No. 1:

Take a walk over to the Allen Fieldhouse Garage. Knowing that the density of reinforced concrete is about 150 lbs per cubic foot, estimate the load supported per lineal foot by one of the interior double-tee beams running in the E-W direction on the parking level circled. List all of your assumptions and any outside references you use as part of your engineering investigation. Include any photographs, sketches, or measurements that may aid you in your assessment.

