

**CEEN 43 – Behavior & Properties of Civil Engineering Materials**  
**Lab Report 4 – Fall 2008**  
**Due In Lab, Week of October 20th**

This is a group report, completed by each lab team working together during the making and casting of PCC cylinders. Your report should contain a summary of the tests performed during Lab 4 (Mortar-Maturity) and Lab 5 (PCC Aggregates-Cylinders), completed data tables, and a discussion of results as indicated within the procedural write-ups for Labs 4 and 5.

Based on the average 6-day compressive strength of your two PCC cylinders tested, your team should provide an estimate of the average 28-day compressive strength which will be measured during the metals lab period. You may provide your estimate to any desired degree of precision (i.e., number of decimal places). The team with the closest estimate of average strength (high or low) will win the prize bag of candy.

Note: All cylinders were cured under water at ambient laboratory temperatures.