LABORATORY #1
QUESTIONS

Do not attach this page to your homework. I already have a copy!

1. Compute the gradation of the crushed limestone on the data sheet provided.

2. Compute the gradation of the concrete sand on the data sheet provided.

3. Plot the results for both the crushed limestone and the concrete sand on one blank standard gradation chart downloaded from the course website. Be sure to label each curve. Neatness counts!

4. Compute the gradation of the gravel on the data sheet provided.

5. Using the same sieve sizes you used for the gravel gradation, compute the FHWA maximum density curve corresponding to a maximum aggregate size (D) of 5/8".

6. Plot the FHWA maximum density curve and the gravel gradation on one blank standard gradation chart downloaded from the course website. Be sure to label each curve. Neatness counts!

6. Plot the FHWA maximum density curve and the gravel gradation on one blank 0.45-power gradation chart downloaded from the course website. Be sure to label each curve. Neatness counts!