

CE 361 Introduction to Transportation Engineering
Homework 6 (HW 6)

Out: Fri. 22 October 2004
Due: Fri. 29 October 2004

VEHICLES, DRIVERS, AND GEOMETRIC DESIGN

Dear Consultant:

Highway design must take into account the capabilities and limitations of vehicles and their drivers. Please complete the exercises below completely and clearly. You may work in a group of CE361 students not to exceed three in size. The signatures of all students must appear on the top page. Remember to label each problem with its "name".

1. (15 points) **Stopping Sight Distance (SSD) on Vertical Curves.** FTE Problem 7.6.
2. (15 points) **Horizontal Sight Distance.** FTE Problem 7.13.
3. (20 points) **Critical Approach Speed.** FTE Problem 8.2