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TRANSPORTATION PLANNING/TRAFFIC ENGINEERING

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August 2, 2004

<Addressee Name>

<Street Address 1>

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<City>, <State> <Zip>

Subject: *Highway Capacity Manual* Teaching Resources

Dear <Addressee>:

I am writing to let you know about a new teaching resource that is now available to assist you in introducing students to concepts and methods for highway capacity and level-of-service analyses. The *Highway Capacity Manual Applications Guidebook* (HCMAG) was recently produced through the Transportation Research Board's National Cooperative Highway Research Program (NCHRP) and is freely available as an online web document at www.hcmguide.com. It uses five real-world case studies to demonstrate the application and interpretation of capacity and level-of-service analyses for the most commonly-investigated transportation facility types, including signalized intersections, unsignalized intersections, urban streets, two-lane highways, and freeways. A total of 25 different problems and about 75 individual analyses are included, along with downloadable data sets and extensive discussions. All analyses are performed in conformance with the procedures described in the 2000 edition of the *Highway Capacity Manual*.

The website includes twenty downloadable instructional powerpoint files that you are free to use in whole or in part to meet your in-class instructional needs. These files can be found in the Introduction section of the HCMAG. Each file is tied to a particular case study problem and is designed to convey key concepts and issues that the student can later explore more fully by going to the website and/or the *Highway Capacity Manual* itself. If you desire, a CD-ROM of the website is also available through the Transportation Research Board (contact Ray Derr at rderr@nas.edu) for situations where you do not have on-line access to the internet.

The website was produced by a national team of practitioners and professors who have a long history of working with the Transportation Research Board's Committee on Highway Capacity and Quality of Service, and who were directly involved in the development and publication of the 2000 edition of the *Highway Capacity Manual*. The team included Kenneth G. Courage (University of Florida); Dr. Michael D. Kyte (University of Idaho); Dr. George F. List (Rensselaer Polytechnic Institute); Roger P. Roess (Brooklyn Polytechnic University); William M. Sampson (McTrans); and Wayne Kittelson (Kittelsohn & Associates). Their collective experience and insights make the HCMAG a value-added supplement to the *Highway Capacity Manual* that your students can continue to reference even after they have entered into professional practice.

We hope the freely-available information that is available to you and your students at this website will be helpful in your efforts to introduce them to the important concepts associated with capacity and level-of-service analysis of transportation facilities. We would, of course, also appreciate any comments or suggestions you might have for how to improve the web document so that you and your students can get even more value out of it in the future. A method for providing online feedback is described in the Introduction section of the HCMAG.

Thank you very much for considering this new teaching resource, and thank you also for the work you do in helping to introduce our future transportation professionals to the important concepts of capacity and quality of service for transportation facilities.

Sincerely,

Wayne K. Kittelson
Principal Investigator