

Selected Bibliography

Handouts or specific citations will be given in the class to supplement lectures. Students are responsible for obtaining materials pertaining to any missed class meeting(s). Students will be required to complete reading assignments prior to the appropriate lectures.

Textbook: Fred Mannering, Walter Kilareski and Scott Washburn, Principles of Highway Engineering and Traffic Analysis. Fourth Edition, John Wiley & Sons, 2009.

Other References:

Ashford, Norman J. and Paul H. Wright, Airport Engineering, Third edition, Wiley Interscience Publication, John Wiley & Sons, 1992.

American Association of State Highway and Transportation Officials (AASHTO), A Policy on Geometric Design of Highways and Streets, Washington, D.C., Fourth Edition, 2001.

Banks, James H. Introduction to Transportation Engineering, McGraw-Hill, Second Edition, 2002.

Edwards, John D. (editor), Transportation Planning Handbook, Institute of Transportation Engineers, Prentice Hall, Englewood Cliffs, New Jersey, 1992.

Jon D. Fricker and Robert K. Whitford, Fundamentals of Transportation Engineering: A Multimodal Systems Approach, Prentice Hall, 2006. ISBN: 0130351245.

Garber, Nicholas J. and Lester A. Hoel, Traffic and Highway Engineering, Fourth Edition, Cengage Learning, Toronto, Canada. 2009.

FHWA. Manual On Uniform Traffic Control Devices (MUTCD): 2003 Edition. (available online at <http://mutcd.fhwa.dot.gov/pdfs/2003/pdf-index.htm>)

Horonjeff, Robert, Francis X. McKelvey, William J. Sproule, and Seth B. Young. Planning and Design of Airports, Fifth Edition, McGraw Hill, New York, NY 1993.

Khisty, C. Jotin, and B. Kent Lall. Transportation Engineering: An Introduction, Third Edition, Prentice Hall, Englewood Cliffs, NJ, 2003. McShane, William R., Roger P. Roess, and Elena S. Prassas. Traffic Engineering. Second Edition. Prentice Hall, 1998.

Papacostas, C.J. and P.D. Prevedouros, Transportation Engineering and Planning, Third Edition, Prentice-Hall, Inc., Englewood Cliffs, NJ, 2001.

Pline, James L. (editor) Traffic Engineering Handbook, Fourth Edition, Institute of Transportation Engineers, Prentice Hall, Englewood Cliffs, New Jersey, 1992.

Robertson, Douglas H., Ph.D., P.E. (editor) et al, Manual of Transportation Engineering Studies, Institute of Transportation Engineers, Prentice Hall, Englewood Cliffs, New Jersey, 1992.

Transportation Research Board, Highway Capacity Manual, Special Report 209, National Research Council, Washington, D.C., 2000. (2010 Edition is under development)

The university Library has a number of holdings that would be pertinent to this course or transportation engineering in general. These holdings include books and periodicals (magazines, journals and conference proceedings). Do use these resources to your advantage. Examples of such publications in transportation include those from the following organizations:

- American Society of Civil Engineers
- Transportation Research Board
- Institute of Transportation Engineers
- American Planning Association
- Air & Waste Management Association
- AASHTO
- International Road Federation
- The Asphalt Institute
- Portland Cement Association
- Transportation Research Forum

The Internet is also a good source of information. In particular in the U.S.A., many of the state departments of transportation (or their equivalents), and the federal modal administrations, the Bureau of Transportation Statistics (www.bts.gov), university programs, professional societies/ organizations (e.g., ASCE, ITE, TRB), vendors, consulting firms, and trade magazines have web sites that might be useful.