

DATE: June 10, 2011

SUBJECT: 2010 Highway Capacity Manual and Software

TO: District Executives

FROM: Daryl St. Clair, P.E., Acting Director /s/
Bureau of Highway Safety and Traffic Engineering

This Strike-off Letter is time and resource neutral and revises Section 12.2.2 of PennDOT's Traffic Engineers Manual, Publication 46, to specifically identify continued use of the 2000 Highway Capacity Manual (HCM) and software.

The 2010 HCM 5th addition was released by the Transportation Research Board in April 2011. The new version has been significantly revised to incorporate the latest research in highway capacity and quality of service.

Attachment A will replace Section 12.2.2 (Required Use by Department and Consultants) and shall be used until an evaluation of the 2010 update is completed, which is anticipated in November 2011.

Should you have any questions regarding this matter, please contact Daniel Farley, Traffic Signal and Operational Analysis Manager, at (717) 783-0333.

Attachment

4700/DPF(3-0333)/hmq(7-6899)/tns(7-7350)

CC: American Council of Engineering Companies of Pennsylvania (ACEC/PA)
Pennsylvania State Association of Township Supervisors
Pennsylvania State Association of Boroughs
Pennsylvania League of Cities and Municipalities
Assistant District Executives for Design, Maintenance, Construction, and Services
Highway Administration Bureau Directors
Bureau of Project Delivery Division Chiefs
District Traffic Engineers
Laine Heltebride, BPR
Doug Tomlinson, P.E., ITS Division Chief, BHSTE
Glenn Rowe, P.E., Traffic Engineering Division Chief, BHSTE
Michael Dzurko, HOP Permit Manager, BHSTE
Daniel Farley, Traffic Signal Manager, BHSTE
ITS Read File
TED Read File

Attachment A

Section 12.2.2 Required Use by Department and Consultants

Applicable work done by the Department, or by engineering consultants making submissions for Department review and approval for Department projects or Department Highway Occupancy Permit projects, should use the 2000 Highway Capacity Manual (4th Edition) and supporting software packages, unless directed otherwise in writing by the Department.

Level-of-service (LOS) calculations and results should be completed using the standards established in the 2000 Highway Capacity Manual (HCM). This means LOS calculations should be completed and reported using HCS or the HCM calculation method in Synchro. In other words, LOS calculations should not be submitted using the Synchro calculation method unless directed otherwise in writing by the Department.

INACTIVE