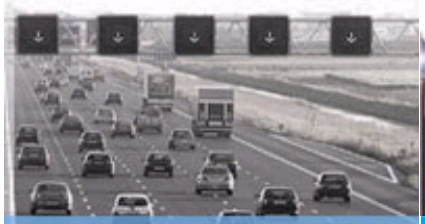

EJTIR

Technische Universiteit Delft

Contact | Search

ENGLISH

European Journal of Transport and Infrastructure Research
(ISSN 1567-7141)

Journal information
Editorial board
Back issues
Instructions to authors
Search EJTIR

EJTIR Alert service
Subscribe to the
EJTIR Alert service

print deze pagina

Overcoming Traffic Congestion: A Discussion of Reduction Strategies and Behavioral Responses from a North-American Perspective

Darren M. Scott
School of Geography and Geology
McMaster University
Hamilton, Ontario
Canada
E-mail: scottdm@mcmaster.ca

Full text pdf

Abstract

This paper addresses the issue of why measures designed to ease traffic congestion have met with limited success in North American cities. To this end, specific types of supply and demand strategies (i.e., roadway construction, jobs-housing balance and the compressed workweek) are discussed emphasizing behavioral responses to them. With respect to roadway construction, evidence of induced travel from recent studies undertaken in the United States is presented. With respect to the two remaining strategies, two studies conducted in Canada employing simulation models are described. Finally, activity-based travel demand models are discussed as a promising means for forecasting both anticipated and unanticipated behavioral responses to mitigation measures, thereby enabling policy makers to make informed decisions as to whether the measures merit implementation.

Received: First presented at STELLA FG4 workshop 3&4 May 2002
Accepted: March 2003

This article has appeared on paper in: European Journal of Transport and Infrastructure Research, Vol. 2, No 3/4 (2002), pp. 317-338.