

A Pavement Structural Capacity Index for Use in Network-level Evaluation of Asphalt Pavements

James M. Bryce

Thesis submitted to the faculty of the Virginia Polytechnic Institute and State University in partial fulfillment of the requirements for the degree of

Master of Science

In

Civil Engineering

Gerardo W. Flintsch, Chair

Brian K. Diefenderfer

Samer W. Katicha

January 18, 2012

Blacksburg, VA

Keywords: Pavement evaluation, pavement structural capacity, pavement management, pavement distresses, performance prediction



Title: Comparative Study of Static and Dynamic Falling Weight Deflectometer Back-Calculations Using Probabilistic Approach
Author: Rambod Hadidi; Nenad Gucunski
Publication: Journal of Transportation Engineering
Publisher: American Society of Civil Engineers
Date: 2010-03-00

Copyright © 2010, ASCE. All rights reserved.

User ID
Password
Enable Auto Login
LOGIN
Forgot Password/User ID?
If you're a copyright.com user, you can login to Rightslink using your copyright.com credentials. Already a Rightslink user or want to learn more?

Permissions Request

This reuse request is free of charge. ASCE does not require a license for this reuse. Please print this page for your records.

Type of use: Dissertation/Thesis

Portion: figures/tables/illustrations

Format: print and electronic

Use of this content will make up more than 25% of the new work: no

Author of this ASCE work or ASCE will publish the new work: no

BACK CLOSE WINDOW



James Bryce <jamesbryce@gmail.com>

Permission for Use of Figures

2 messages

James Bryce <jmbp54@vt.edu>

Fri, Jan 20, 2012 at 8:50 AM

To: "Tanveer P. E. Chowdhury" <Tanveer.Chowdhury@vdot.virginia.gov>

Tanveer,

This email is to request permission to use Figure 1 and Figure 2 in the document "Supporting Document for the Development and Enhancement of the Pavement Maintenance Decision Matrices Used in the Needs Based Analysis" in my thesis. Your reply would be much appreciated.

Regards,

--

James M. Bryce

Virginia Tech Graduate Student
Center for Sustainable Transportation Infrastructure
jmbp54@vt.edu

Chowdhury, Tanveer, P.E. (VDOT) <Tanveer.Chowdhury@vdot.virginia.gov>

Fri, Jan 20, 2012 at 10:29 AM

To: James Bryce <jmbp54@vt.edu>

James,

You are permitted to use the figures in your thesis.

Tanveer Chowdhury, P.E.**Assistant Division Administrator****Maintenance Division - Central Office**

1401 E. Broad Street

Richmond, VA 23219

[\(804\)786-0694](tel:(804)786-0694) (W)[\(804\)291-8762](tel:(804)291-8762) (C)tanveer.chowdhury@vdot.virginia.gov

From: jamesbryce@gmail.com [mailto:jamesbryce@gmail.com] **On Behalf Of** James Bryce**Sent:** Friday, January 20, 2012 8:51 AM**To:** Chowdhury, Tanveer, P.E. (VDOT)**Subject:** Permission for Use of Figures

**ELSEVIER LICENSE
TERMS AND CONDITIONS**

Jan 27, 2012

This is a License Agreement between James M Bryce ("You") and Elsevier ("Elsevier") provided by Copyright Clearance Center ("CCC"). The license consists of your order details, the terms and conditions provided by Elsevier, and the payment terms and conditions.

All payments must be made in full to CCC. For payment instructions, please see information listed at the bottom of this form.

Supplier	Elsevier Limited The Boulevard, Langford Lane Kidlington, Oxford, OX5 1GB, UK
Registered Company Number	1982084
Customer name	James M Bryce
Customer address	400 Green St. Apt 21-A Blacksburg, VA 24060
License number	2837070916447
License date	Jan 27, 2012
Licensed content publisher	Elsevier
Licensed content publication	Computers and Geotechnics
Licensed content title	Modelling of dynamic response of pavements to impact loading
Licensed content author	D.F.E. Stolle
Licensed content date	1991
Licensed content volume number	11
Licensed content issue number	1
Number of pages	12
Start Page	83
End Page	94
Type of Use	reuse in a thesis/dissertation
Portion	figures/tables/illustrations
Number of figures/tables /illustrations	1
Format	electronic
Are you the author of this Elsevier article?	No
Will you be translating?	No
Order reference number	

Title of your thesis/dissertation	A Pavement Structural Capacity Index for Use in Network-level Evaluation of Asphalt Pavements
Expected completion date	Jan 2012
Estimated size (number of pages)	109
Elsevier VAT number	GB 494 6272 12
Permissions price	0.00 USD
VAT/Local Sales Tax	0.0 USD / 0.0 GBP
Total	0.00 USD
Terms and Conditions	

INTRODUCTION

1. The publisher for this copyrighted material is Elsevier. By clicking "accept" in connection with completing this licensing transaction, you agree that the following terms and conditions apply to this transaction (along with the Billing and Payment terms and conditions established by Copyright Clearance Center, Inc. ("CCC"), at the time that you opened your Rightslink account and that are available at any time at <http://myaccount.copyright.com>).

GENERAL TERMS

2. Elsevier hereby grants you permission to reproduce the aforementioned material subject to the terms and conditions indicated.

3. Acknowledgement: If any part of the material to be used (for example, figures) has appeared in our publication with credit or acknowledgement to another source, permission must also be sought from that source. If such permission is not obtained then that material may not be included in your publication/copies. Suitable acknowledgement to the source must be made, either as a footnote or in a reference list at the end of your publication, as follows:

"Reprinted from Publication title, Vol /edition number, Author(s), Title of article / title of chapter, Pages No., Copyright (Year), with permission from Elsevier [OR APPLICABLE SOCIETY COPYRIGHT OWNER]." Also Lancet special credit - "Reprinted from The Lancet, Vol. number, Author(s), Title of article, Pages No., Copyright (Year), with permission from Elsevier."

4. Reproduction of this material is confined to the purpose and/or media for which permission is hereby given.

5. Altering/Modifying Material: Not Permitted. However figures and illustrations may be altered/adapted minimally to serve your work. Any other abbreviations, additions, deletions and/or any other alterations shall be made only with prior written authorization of Elsevier Ltd. (Please contact Elsevier at permissions@elsevier.com)

6. If the permission fee for the requested use of our material is waived in this instance, please be advised that your future requests for Elsevier materials may attract a fee.