

Planning Applications

Transportation Research Record: Journal of the Transportation
Research Board Volume 2653 (2017)

ISBN: 978-1-5108-5456-7

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2017) by Transportation Research Board of the National Academies
All rights reserved.

ISBN (Print) 978-1-5108-5456-7
ISBN 2017 Printed Set (All Issues) 978-1-5108-5406-2

Printed by Curran Associates, Inc. (2018)

For permission requests, please contact Transportation Research Board of the National Academies
at the address below.

Transportation Research Board
The National Academies of Sciences, Engineering, and Medicine
500 Fifth Street, NW
Washington, DC 20001

Phone: (202) 334-2934
Fax: (202) 334-2519

trbsales@nas.edu

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

Travel and the Built Environment: Insights Using Activity Densities, the Sprawl Index, and Neighborhood Types	1
<i>Ralph, Kelcie; Voulgaris, Carole Turley; Brown, Anne</i>	
Closing the Induced Vehicle Travel Gap Between Research and Practice	10
<i>Milam, Ronald T.; Birnbaum, Marc; Ganson, Chris; Handy, Susan; Walters, Jerry</i>	
Delays, Detours, and Diversions: Paths to Fully Executed Safe Routes to School Projects	17
<i>Dipetrillo, Stephanie; Von Hagen, Leigh Ann; Malone, Sara; Meehan, Sean; Shivaraman, Gayathri</i>	
Taxonomy of Shared Autonomous Vehicle Fleet Management Problems to Inform Future Transportation Mobility	26
<i>Hyland, Michael F.; Mahmassani, Hani S.</i>	
UrbanAccess: Generalized Methodology for Measuring Regional Accessibility with an Integrated Pedestrian and Transit Network	35
<i>Blanchard, Samuel D.; Waddell, Paul</i>	
Evidence-Based Transit and Land Use Sketch Planning Using Interactive Accessibility Methods on Combined Schedule and Headway-Based Networks	45
<i>Conway, Matthew Wigginton; Byrd, Andrew; Van Der Linden, Marco</i>	
When the Tides Come, Where Will We Go? Modeling the Impacts of Sea Level Rise on the Greater Boston, Massachusetts, Transport and Land Use System	54
<i>Han, Yafei; Zegras, P. Christopher; Rocco, Victor; Dowd, Michael; Murga, Mikel</i>	
Incorporating Equity and Resiliency in Municipal Transportation Planning: Case Study of Mobility Hubs in Oakland, California	65
<i>Anderson, Karl; Blanchard, Samuel D.; Cheah, Derek; Levitt, Drew</i>	
Integration of National Long-Distance Passenger Travel Demand Model with Tennessee Statewide Model and Calibration to Big Data	75
<i>Bernardin, Vincent L., Jr.; Ferdous, Nazneen; Sadrsadat, Hadi; Trevino, Steven; Chen, Chin-Cheng</i>	
Transit Access Measure: Incorporating Walk and Drive Access	82
<i>Gillespie, William; Fahrenwald, Peter</i>	
Impacts of Model Resolution on Transportation Network Criticality Rankings	93
<i>Dowds, Jonathan; Sentoff, Karen; Sullivan, James L.; Aultman-Hall, Lisa</i>	
Author Index	