# Transportation Planning, Program and Investment Decision Making 2018

Transportation Research Record: Journal of the Transportation Research Board Volume 2672, Issue 51

ISBN: 978-1-5108-8256-0

### 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.

Published by Sage Publications USA

Copyright© (2018) by Transportation Research Board of the National Academies All rights reserved.

ISBN (Print) 978-1-5108-8256-0 ISBN 2018 Printed Set (All Issues) 978-1-5108-7735-1

Printed by Curran Associates, Inc. (2019)

For permission requests, please contact sagepub.com/journals-permissions

# 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



# **Contents**

# Transportation Planning, Program and Investment Decision Making

# **Articles**

Selecting and Scheduling Link and Intersection Improvements in Urban Networks  Uros Jovanovic, Elham Shayanfar, and Paul M. Schonfeld	I
Transportation Planning for Connected Autonomous Vehicles: How It All Fits Together Bobby J. Cottam	12
A Framework for Identifying Recurring Bottlenecks in the State Planning Process in Colorado  Oana Deselnicu and Jason Wallis	20
Is Performance Measurement Improving Planning Practice? The Case of Location Affordability in Long-Range Transportation Plans  Ann M. Hartell	31
An Integrated, Validated, and Applied Activity-Based Dynamic Traffic Assignment Model for the Baltimore-Washington Region Lei Zhang, Di Yang, Sepehr Ghader, Carlos Carrion, Chenfeng Xiong, Thomas F. Rossi, Martin Milkovits, Subrat Mahapatra, and Charles Barber	45
Are Small- and Medium-Sized Community Paratransit Riders Ready to Adopt Real-Time Information (RTI) Technology?  Jeffrey J. LaMondia, Travis Gajkowski, and Veronica Ramirez	56
Strategically Aligning Capital Improvement Prioritization to Performance Goals  Elliot Sperling and Catherine Ross	68
Profile Monitoring for Examining Impact of Hurricane Katrina and Rita on Highway Construction Cost Minsoo Baek and Baabak Ashuri	79
Illustrating the Monetary Impact of Transportation Projects/Alternatives using the Values of Travel Time and Travel Time Reliability  Venkata R. Duddu, Srinivas S. Pulugurtha, and Praveena Penmetsa	88
Programming Flexible Congestion Mitigation and Air Quality Program Funds: Best Practices for State DOTs Gregory Rowangould, Razieh Nadafianshahamabadi, and Amir Poorfakhraei	99