

# **Institute Of Transportation Engineers Annual Meeting and Exhibit 2013**

**Boston, Massachusetts, USA  
4-7 August 2013**

**ISBN: 978-1-62993-124-1**

**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© (2013) by the Institute of Transportation Engineers  
All rights reserved.

Printed by Curran Associates, Inc. (2013)

For permission requests, please contact the Institute of Transportation Engineers  
at the address below.

Institute of Transportation Engineers  
1099 14th Street, Suite 300 West  
Washington, DC 20005-3438

Phone: +1 202-289-0222

Fax: +1 202-289-7722

[ite\\_staff@ite.org](mailto:ite_staff@ite.org)

**Additional copies of this publication are available from:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571 USA  
Phone: 845-758-0400  
Fax: 845-758-2634  
Email: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

# TABLE OF CONTENTS

## **CASE STUDIES FOR BUILDING MULTIMODAL TRANSPORTATION NETWORKS**

<b>Downtown Planning and Revitalization in Framingham, MA</b> .....	1
<i>Kenneth J. Petraglia, Michael Wasielewski</i>	

## **COMPLETE STREETS IMPLEMENTATION CASE STUDIES**

<b>Incorporating Complete Streets into Transportation Master Plans</b> .....	22
<i>Brett Sears</i>	
<b>The Massachusetts Training Experience with Complete Streets</b> .....	34
<i>Douglas C. Prentiss, Christopher J. Ahmadjian, Thomas A. Errico</i>	
<b>Complete Street Impact on Delays</b> .....	50
<i>Sara Patterson, Earl Lee II</i>	

## **STATES STRATEGICALLY SAVING LIVES**

<b>North Florida TPO Strategic Safety Plan</b> .....	54
<i>Terrel Shaw, Wanda Forrest, Victoria Pennington, Satya Kolluru</i>	
<b>Modeling Safety in Utah</b> .....	71
<i>Grant G. Schultz, E. Scott Johnson, Clancy W. Black</i>	

## **MAKING THE BUSINESS CASE: HOW TO JUSTIFY YOUR TRANSPORTATION INVESTMENTS**

<b>Incorporating and Managing Risk in Asset Management principles for P3 Projects in British Columbia</b> .....	79
<i>Brendan Sterling, Martin Gordon</i>	

## **DEMYSTIFYING SIGNALIZED INTERSECTION DESIGN FOR BICYCLISTS**

<b>Demystifying Signalized Intersection Design for Bicyclists</b> .....	88
<i>Michelle Langone Danila, Christina Fink</i>	

## **THERE'S AN APP FOR THAT!**

<b>There's an App for That!</b> .....	95
<i>Ian A. McKinnon, Cole D. Fitzpatrick</i>	

**Author Index**