

**Program for the 3<sup>rd</sup> Urban Street Symposium**  
**June 24-27, 2007 Seattle, Washington** [www.urbanstreet.info](http://www.urbanstreet.info)

For those presentations that are accompanied by a paper, click on the link to see the paper.

<b>SUNDAY (June 24)</b> <b>9:00 - 5:00</b>	<b>WORKSHOP (limited enrollment, extra fee)</b>
	• Road Safety Audits (RSAs) for Local Governments      Craig Allred, FHWA

<b>MONDAY (June 25)</b> <b>morning 8:00 - 9:45</b>	<b>1. Opening - and - Integrating the Different Networks Into a Functioning Urban System: The Seattle Metro Story</b>		Moderator – Kay Fitzpatrick
	• Opening remarks	Kay Fitzpatrick	
	• Providing HOV Facilities on Freeways and Arterials	Mark Hallenbeck, Director, University of Washington-TRAC	
	• City Street Improvements	Grace Crunican, Director, Seattle Dept. of Transportation	
	• Involving a Diverse Group of Stakeholders	Steven Gorcester, Executive Director, Washington State Transportation Improvement Board	
	• Redmond's Transportation Master Plan: Nudging the Community Into the Multi-Model Future	Susan Byszeski, Transportation Safety Specialist, City of Redmond	

<b>MONDAY (June 25)</b> <b>morning 10:15 - 12:00</b>	<b>2. Pedestrians and Traffic Controls</b> Moderator – Dan Dawson	<b>3. Cross Section Design - Part 1</b> Moderator – Jim Brewer
	• Improving Pedestrian Safety at Unsignalized Intersections Kay Fitzpatrick, Shawn Turner, Marcus A. Brewer	• New ITE Urban Street Design Guide Marshall Elizer
	• A History of Pedestrian Signal Walking Speed Assumptions John N. LaPlante, Thomas P. Kaeser	• Benefits and Risks of Urban Roadside Landscape: Finding a Livable, Balanced Response Karen Dixon, Kathleen L. Wolf
	• Yielding Behaviour and Interaction at Bicycle Crossings Lisa Jonsson, Christer Hydén, Åse Svensson	• Cross Section Width for Parallel Parking J. L. Gattis, Srinivas Dammalapati, Joshua Cotton, Joseph Cotton
	• Analyzing Raised Crosswalks Dimensions Influence on Speed Reduction in Urban Streets Seyed Hafez Alavi	• Iowa's Experience with 4-lane to 3-lane Conversions Michael D. Pawlovich, Wen Li, Alicia Carriquiry, Reg Souleyrette, Tom Stout, Tom Welch

<b>MONDAY (June 25)</b> <b>afternoon 1:00 - 2:45</b>	<b>4. Complete Streets Become Great</b> Moderator – Nikiforos Stamatidis	<b>5. Intersection Issues</b> Moderator – Larry Sutherland
	• Shared-Use Streets – an Application of 'Shared Space' to an American Small Town Celeste Gilman, Robert Gilman	• Responding To The Challenges Of Bicycle Crossings At Offset Intersections Michael Hendrix
	• Retrofitting Urban Arterials into Complete Streets John N. LaPlante	• Safety Effect of the Skew Angle in Right Turn Maneuvers Alfredo García García, Ludwing Libreros C.
	• Great Streets Building Infrastructure for Investment Karina Ricks	• Study on the Safety Relationship between Left-turn Gap Acceptance and Waiting Time Zhong Xiaoming, Yuanyuan Wang, Liande Zhong, Xinzheng Zhu, Jia Jia, Ming Zhao, Jianming Ma, Xiaoming Liu ,
	• St. Louis Great Streets Initiative Donna L. Day, Samuel Seskin	• Research on Vulnerable Road User's Safety at Intersection Wang Shuling

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<b>MONDAY (June 25) afternoon 3:15 - 4:30</b>	<b>6. Design for the Context</b> Moderator – Michael Dimaiuta	<b>7. Cross Section Design - Part 2</b> Moderator – Marcus Brewer
	<ul style="list-style-type: none"> <li>• Re-assessing the Role of the Built Environment on Traffic Safety Eric Dumbaugh</li> </ul>	<ul style="list-style-type: none"> <li>• Four-Lane to Three-Lane Conversions: An Update and a Case Study Keith K. Knapp, Jennifer A. Rosales</li> </ul>
	<ul style="list-style-type: none"> <li>• Sustainable Urban Street Design and Assessment Tim Bevan, John McKenzie, Bill Derry, Ondrej Sklenar</li> </ul>	<ul style="list-style-type: none"> <li>• Design and Traffic Organization for Ultra-wide Urban Street in China Cheng Jianchuan, Wang Zhijiang, Zhou Tiejun, Yang Shunxin, Liu Min, Bian Fenglan</li> </ul>
	<ul style="list-style-type: none"> <li>• Designing Inside the Box: Strategies to Successfully Marry Smart Growth and Context-Sensitive Transportation Initiatives G. Wade Walker</li> </ul>	<ul style="list-style-type: none"> <li>• Iowa's Experience with 2-lane to 3-lane Conversions Michael D. Pawlovich, Wen Li, Alicia Carriquiry, Tom Welch</li> </ul>

<b>MONDAY (June 25) evening 5:00 - 6:30</b>	<b>8. Poster Session and Reception</b>	
	• Traffic Calming in Slovenia	Peter Lipar, Jure Kostanjsek
	• Cordata Parkway Corridor Roundabouts	Patrick McGrady
	• A Model of Potential Capacity of Right turn Movement at Signalized Intersections Under Mixed Traffic Conditions	Zhang Xue, Guo Yan Ming, Yang Xiao Kuan
	• A Heuristic Configuration of One-Way and Two-Way Streets for Reducing Traffic Congestion	Reza Taromi, Shahriar A. Zargari, Ghulam H. Bham
	• A Generalized Model for Analyzing Operational Conditions at Intersections in Urban Areas	Orazio Giuffre', Anna Grana', Tullio Giuffre', Roberta Marino
	• Study on Safety Design at Grade Intersection in Urban Area	Wang Zhenhua
	• Traffic Micro-Simulation Environment for an Extended Analysis of Red-Light Violation Model	Tesoriere Giovanni, Galatioto Fabio, Giuffre' Tullio, Ticali Dario
	• Geometric Design of Interchange in Urban City	Shan Chen
	• Urban Street Reconstruction with Historical and Cultural Consideration-Research and Case Studies	Shi Guifang, Yuan Hao, Sun Yu, Wang Xiaoyin, Wang Wei, Cheng Jianchuan
• Discussion on Street Design and Reconstruction for Pedestrian Needs in China	Shi Jiangang	
• Integrating Context Sensitive Solutions into University Transportation Education	James Martin, Janet D'Ignazio, Joseph E. Hummer	

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<b>TUESDAY (June 26)</b> morning 8:00 - 9:15	<b>9. Designing Transit in the Street</b> Moderator – Elizabeth Hilton	<b>10. Medians and Access</b> Moderator – Kristine Williams
	<ul style="list-style-type: none"> <li>Aurora Urban Street Standards Development For Transit Oriented Developments and Urban Centers Huiliang Liu</li> </ul>	<ul style="list-style-type: none"> <li>Synthesis of Median U-Turn Intersection Treatment, Safety, and Operational Benefits Ram Jagannathan</li> </ul>
	<ul style="list-style-type: none"> <li>Designing Streets for Enhanced Transit Service - The Jerusalem Experience Marc Render</li> <li>Integration of Bus Rapid Transit into a Major Arterial Corridor Tim Bevan, Anneke Davis, John McKenzie, Kirk McKinley</li> </ul>	<ul style="list-style-type: none"> <li>Safety Benefits of Raised Medians and Low Driveway Densities on Urban Streets William E. Frawley, William L. Eisele</li> <li>Relationships Among Crash History, Median Type, and Other Urban Multilane Street Features J. L. Gattis</li> </ul>

<b>TUESDAY (June 26)</b> morning 9:45 - 11:30	<b>11. A Better Environment for Bikes and Peds</b> Moderator – Paul Dorothy	<b>12. Access - One Good Turn Does Not Deserve Another</b> Moderator – Vaughn Lewis
	<ul style="list-style-type: none"> <li>Pedestrian Crossings Priority for Pedestrian Safety Jure Kostanjšek, Peter Lipar</li> </ul>	<ul style="list-style-type: none"> <li>Recent Superstreet Implementation and Research Joseph E. Hummer, Jaepil Moon, Bastian J. Schroeder, Ram Jagannathan</li> </ul>
	<ul style="list-style-type: none"> <li>Review of Guidelines for Establishing School Speed Zones Kay Fitzpatrick</li> <li>Separation Between Pedestrians and Bicyclists Lisa Jonsson, Christer Hydén, Åse Svensson</li> </ul>	<ul style="list-style-type: none"> <li>Harmelink Revisited: Warrants for Left-Turn Lanes on Two-Lane Roadways Ida van Schalkwyk, Vergil G. Stover, Simon Washington</li> <li>A Case Study Illustrating Traffic Signal Removal as an Access Management Strategy David Plazak, Howard Preston</li> </ul>
	<ul style="list-style-type: none"> <li>Access Management: A Transportation Safety Tool for Bikes and Peds Xavier R. Falconi</li> </ul>	<ul style="list-style-type: none"> <li>Should Direct Left-turns from Driveways be Replaced by Right-turns Followed by U-turns? The Safety and Operational Comparison in Florida Pan Liu, Jian John Lu, Fatih Pirincioglu, Sunanda Dissanayake, Gary Sokolow</li> </ul>

<b>TUESDAY (June 26)</b> afternoon	<b>WORKSHOPS</b>		<b>FIELD TRIP</b> 12:30 - 5:00 F5 • High Point Redevelopment  Tom von Schrader, Peg Staeheli	<b>FIELD TRIP</b> 12:00 - 5:00 F6 • Complete Streets: Balancing User Needs in Design  David R. McDonald, Katherine Claeys, Richard Coakley, Jerry Sudimick, Larry Sutherland, John LaPlante, Ram Nunna, Scott Wolfe, Dan Dawson, Michael Ward	<b>FIELD TRIP</b> 12:30 - 5:00 F7 • Walking Tour of Downtown Seattle  Rebecca Deehr, Feet First: Building Walkable Communities
	<b>12:30 to 2:30</b> W1 • Street Design to Comply with ADA Best Practices  Elizabeth Hilton, Dan Dawson	<b>W2 • Road Trip: A Facility Management Workshop</b>  Del Huntington			
	<b>3:00 to 5:00</b> W3 • A New Approach to Geometric Design Decisions: "Performance-Based Analysis"  Kevin M. Mahoney, R. J. Porter	<b>W4 • Engaging the Public as Decision-makers: Successful Public Involvement</b>  William Eisele, William Frawley			

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<b>WEDNESDAY (June 27)</b> <b>morning 8:00 - 9:15</b>	<b>13. Involving the Public in Decisions</b> Moderator – Ingrid Potts	<b>14. Access Points</b> Moderator – Del Huntington
	<ul style="list-style-type: none"> <li>• Applying Context Sensitive Techniques to Improve Design and Gain Stakeholder Support  Eric Tweit, Roger Mason, Jeanne Acutanza</li> </ul>	<ul style="list-style-type: none"> <li>• Determination of the Minimum Distance between Driveway Exits and Downstream U-turn Locations for Vehicles Making Right-turns Followed By U-turns  Pan Liu, Jian John Lu, Fatih Pirinccioglu, Gary Sokolow</li> </ul>
	<ul style="list-style-type: none"> <li>• Involving the Public in Redesigning Urban Street Layouts in the UK  Peter Jones, Roselle Thoreau</li> </ul>	<ul style="list-style-type: none"> <li>• Evaluation of Access Points Near Intersections in NC  Reza Jafari</li> </ul>
	<ul style="list-style-type: none"> <li>• Analysis of Multifunctional Traffic Environments  Charlotte Wahl, Åse Svensson, Christer Hydén</li> </ul>	<ul style="list-style-type: none"> <li>• Driveway Design Practices, Issues, and Needs  Herbert Levinson, Jerome Gluck, Janet M. Barlow, Ronald W. Eck, William F. Hecker</li> </ul>

<b>WEDNESDAY (June 27)</b> <b>morning 9:45 - 11:30</b>	<b>15. Predicting Speeds on Urban Streets</b> Moderator – Jim Gattis
	<ul style="list-style-type: none"> <li>• Speed: How Can We Get What We Want?      Kevin M. Mahoney, Richard J. Porter, Scott C. Himes</li> </ul>
	<ul style="list-style-type: none"> <li>• Estimating Running Time on Urban Street Segments      Asma T. Ali, Mohan M. Venigalla, Aimee R. Flannery</li> </ul>
	<ul style="list-style-type: none"> <li>• A Procedure for Estimating Traffic Speed on Urban Streets      Jim Bonneson</li> <li>• Effect of Urban Street Design on Operating Speed      Karen Dixon</li> </ul>

**PLANNING for the SYMPOSIUM**

Co-chairs: Kay Fitzpatrick, Texas Transportation Institute, and Jim Gattis, University of Arkansas

Best Paper Awards: Larry Shannon, MS Consultants, Inc.

Local arrangements assistance: Dan Dawson, Otak, Inc.

Abstract reviewers: James O. Brewer, Richard C. Coakley, Duane S. Eitel, Elizabeth Hilton, Kathleen A. King, Rick Laughlin, Rebecca L. Mowry, David Plazak, Ingrid Potts, Karen S. Schurr, Larry J. Shannon, John F. Smart, Vergil G. Stover, Larry F. Sutherland

Transportation Research Board: Rich Cunard

and

Jill Graham for her many hours spent handling details associated with preparing the final program and the Symposium Proceedings CD; and  
 Kendall Conner, for the [www.urbanstreet.info](http://www.urbanstreet.info) website.

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**TUESDAY (June 26) Committee Meetings**

7:00 am				Intersection Joint Subcommittee [AFB10, AHB65], Co-Chairs Pat Hasson and Tim Neuman
8:00 am				
6:00 pm	- joint meeting - Access Management Manual Subcommittee [AHB70(5)], Chair Marc Butorac, - and - Research Subcommittee [AHB70(2)], Chair David Plazak	- joint meeting - Geometric, Safety, & Efficiency Subcommittee [AFB10], Chair David McDonald, - and - Context Sensitive Solutions Subcommittee [AFB10], Chair Ingrid Potts		
7:00 pm				
8:00 pm				
9:00 pm	National Conference on Access Management Subcommittee [AHB70 (1)], Chair Vaughn Lewis	Steering Committee for 4 <sup>th</sup> International Symposium on Highway Geometric Design [AFB10, AHB65], Chair Doug Harwood		
10:00 pm				

**WEDNESDAY (June 27) Committee Meetings**

7:00 am	Outreach Subcommittee [AHB70(3)], Chair Chris Huffman	Subcommittee Activities [AFB10], Chair Larry Sutherland	Freeway Safety and Operations Subcommittee [AHB65], Chair Chris Poe	Performance Based Analysis Subcommittee [AHB65], Chair R.J. Porter
8:00 am				
1:00 pm	Access Management Committee [AHB70], Chair Kristine Williams	Geometric Design Committee [AFB10], Chair Brian Ray	Operational Effects of Geometrics Committee [AHB65], Chair Ray Krammes	
2:00 pm				
3:00 pm				
4:00 pm	- joint meeting - Geometric Design Committee [AFB10] - and - Operational Effects of Geometrics Committee [AHB65]			
5:00 pm				