

Program Overview

Sunday, November 14

Challenges of the Colorado Rockies Field Trip

9:00 am - 5:00 pm (See page 4 for details.)

Departs from hotel entrance. Additional ticket purchase required.

Pre-Conference Workshop

1:00 pm - 5:00 pm, *Big Thompson* (See page 5 for details.)

T&DI/FHWA Sustainable Pavements Workshop

Icebreaker Reception

6:00 pm - 7:30 pm, *Ballroom AB*

Greet old friends and meet new friends in the industry at this casual get-together. Network and share ideas that will be useful to advance your career and business. Cool your heels with a tasty morsel and refreshing beverage.

Included for Full and Student Registrants.

Additional Tickets: \$90

Sponsored by Vanasse Hangen Brustlin, Inc. 

Monday, November 15

Plenary Session

8:30 am - 10:00 am, *Ballroom CD*

Conference Welcome & Opening Session:

Green Streets & Highways in the Broader Context

The opening plenary session of the T&DI Green Streets and Highways Conference will be the kickoff event for the conference. The plenary will set the stage for the subsequent technical sessions, tours and workshops. The conference Co-Chairs Hal Kassoff and Neil Weinstein will welcome the attendees and thank our exhibitors and sponsors for their support of the conference. Hal and Neil will also be the emcees for the rest of the session that will include remarks from T&DI's President Terry Donovan; the Deputy Mayor and Public Works Director for the City and County of Denver, Bill Vidal; and the Executive Director of the Colorado Department of Transportation Russell George. The keynote address will then be presented by Victor Mendez, the Administrator of the Federal Highway Administration. There will be a question and answer session with all the participants after Mr. Mendez's presentation. (See page 8 for details.)

Exhibit Hall Open

10:00 am - 4:00 pm, *Ballroom AB*

Posters #1

8:00 am - 12:00 noon, *Ballroom Foyer*

Refreshments in Exhibit Hall

10:00 am - 10:30 am, *Ballroom AB*

Sponsored by McCormick Taylor


Engineers & Planners
Since 1946

Concurrent Technical Sessions

10:30 am - 12:00 noon (See page 8 for details.)

Lunch in the Exhibit Hall

12:00 noon - 1:00 pm, *Ballroom AB*

Included for Full, Student, and Monday Daily Registrants

Additional Tickets: \$40

Concurrent Technical Sessions

1:00 pm - 2:30 pm (See page 9 for details.)

Posters #2

1:00 pm - 5:00 pm, *Ballroom Foyer*

Refreshments in Exhibit Hall

2:30 pm - 3:00 pm, *Ballroom AB*

Sponsored by AECOM 

Concurrent Technical Sessions

3:00 pm - 4:30 pm (See page 10 for details.)

Plenary Session:

5:00 pm - 5:45 pm, *Ballroom CD*

The Colorado Experience—Denver and Boulder

A plenary session that is designed to inform conference attendees about the green street and highway initiatives and achievements of the cities of Denver and Boulder and Colorado DOT (CDOT) will wrap up the first day. The plenary will also serve as an introduction to the projects that attendees will see as part of the technical tour of the I-25 HOT Lanes, the US 36 corridor, and Boulder's Sustainable Improvements that will occur on Tuesday afternoon

Dinner on Own



Tuesday, November 16

Concurrent Technical Sessions

8:30 am - 10:00 am (See page 11 for details.)

Exhibit Hall Open

10:00 am - 1:00 pm, *Ballroom AB*

Posters #3

8:00 am - 12:00 noon, *Ballroom Foyer*

Refreshments in Exhibit Hall

10:00 am - 10:30 am, *Ballroom AB*

Sponsored by Transpo  www.transpo.com

Concurrent Technical Sessions

10:30 am - 12:00 noon (See page 12 for details.)

Lunch in the Exhibit Hall

12:00 noon - 1:00 pm, *Ballroom AB*

Included for Full, Student, and Tuesday Daily Registrants

Additional Tickets: \$28

Sponsored by CH2M Hill  CH2MHILL

Field Trip: I-25 HOT Lanes, US 36 and Boulder Sustainable Improvements

1:00 pm - 5:00 pm (See page 5 for details.)

Departs from hotel entrance. Additional ticket purchase required.

Dinner on Own

Wednesday, November 17

Concurrent Technical Sessions

8:00 am - 9:30 am (See page 13 for details.)

Refreshment Break

9:30 am - 9:45 am

Sponsored by ARA 

Concurrent Technical Sessions

9:45 am - 11:15 am (See page 13 for details.)

Closing Plenary & Lunch

11:30 am - 12:45 pm, *Ballroom AB*

Conference Summary and Future Outlook for Green Streets & Highways

Join your fellow attendees at the closing plenary for lunch and to participate in a dynamic and insightful summary of the conference that will be led by Dr. Mike Meyer of Georgia Tech. Dr. Meyer will call upon FHWA Associate Administrators King Gee and Gloria Shepherd to share their observations about challenges and opportunities for green highways and green streets as the state-of-the-practice advances in the years ahead.

Additional Tickets: \$40

Post-Conference Workshops (See page 6 for details.)


1:00 pm - 5:00 pm

- **Achieving Sustainable Watershed Protection Through Innovative Stormwater Management**, *Ballroom D*
- **Asset Management and Sustainability**, *Ballroom C*
- **Climate Change Adaptation Strategies for Infrastructure Managers**, *Big Thompson*



Conference Program

Sunday, November 14

9:00 am - 5:00 pm	Field Trip: Challenges of the Colorado Rockies Interstate 70 Mountain Corridor featuring the Glenwood Canyon Departs from hotel entrance. Additional ticket purchase required. (See page 5 for details.)
1:00 pm - 5:00 pm	Pre-Conference Workshop: T&DI/FHWA Sustainable Pavements, <i>Big Thompson</i> (See page 5 for details.)
6:00 pm - 7:30 pm	Icebreaker Reception, <i>Ballroom AB, Sponsored by Vanasse Hangen Brustlin, Inc.</i> 

Monday, November 15

8:30 am - 10:00 am	Conference Welcome and Opening Plenary Session: Green Streets & Highways in the Broader Context, <i>Ballroom CD</i> Opening Remarks: Hal Kassoff, M.ASCE and Neil Weinstein, PE., RLA, AICP, M.ASCE, <i>Conference Co-Chairs</i> Terry Donovan, PE., M.ASCE, <i>President, Transportation & Development Institute of ASCE</i> Welcome: Guillermo "Bill" Vidal, <i>Deputy Mayor and Manager, Public Works, City & County of Denver</i> Russell George, <i>Executive Director, Colorado DOT</i> Keynote: Victor Mendez, <i>FHWA Administrator</i>
--------------------	---

8:00 am - 12:00 noon	Posters #1, <i>Ballroom Foyer</i> Permeable Pavements for Stormwater Management, David Hein, <i>Applied Research Associates, Inc.</i> A Regenerative Approach to Stormwater Outfalls for Linear Projects, Michael Lighthiser, <i>Biohabitats, Inc.</i> City of Seattle LED Streetlight Application Assessment Project Pilot Study, Dana Beckwith, <i>DKS Associates</i> Use of Ultrafine/nano TiO2 Photocatalyst Coating for Concrete Pavement to Reduce Sulfur Dioxide Concentration in Ambient Air, Marwa Hassan, <i>Louisiana State University</i> Bicycle Crashes: Directly Related to Bicycle Traffic Volume? Krista Nordback, <i>University of Colorado Denver</i> Concrete in the Inner Circuit, a Sustainable Solution for Mexico City, Arturo Gaytan, <i>CEMEX México</i> The Connect Atlanta Plan, Tim Jackson, <i>AECOM</i> Thin Whitetopping for Green Highways, Sharmin Sultana, <i>University of Texas, Austin</i> Wetland Scramble: Keeping Pace With the T-REX Project, Paul Nikolai, <i>Parsons Transportation Group</i> Sustainable Concrete for the Urban Environment: Investigating Issues that Prevent Sustainable Street and Highway Development, Andrea Solis, <i>University of Colorado Denver</i> FM 518 Corridor Improvement Study and Implementation, Pearland, Texas, Mark Ingram, <i>AECOM</i>
----------------------	--

10:00 am - 10:30 am	Refreshment Break in the Exhibit Hall, <i>Sponsored by McCormick & Taylor</i> 
---------------------	--

10:30 am - 12:00 noon **Concurrent Technical Session I**

A1: Sustainable Transportation Planning, <i>Big Thompson</i>	B1: Greening Interstate Highways, <i>Cherry Creek</i>	C1: Green Streets and Livable Communities I, <i>Ballroom D</i>	D1: Stormwater: State of the Practice, <i>Platte River</i>	E1: Green Pavements: Process and Practice, <i>Ballroom C</i>
Moderator: Damon Fordham, <i>PPC</i> Incorporating Sustainability in Transport Planning Elise Barrella, <i>Georgia Institute of Technology</i> Building a Quality Arizona (bqAZ) Statewide Transportation Planning Framework Program Jennifer Toth, <i>Arizona Department of Transportation</i> Convincing Elected Officials to Build Green Roads Dennis Randolph, <i>City of Grandview</i>	Moderator: Jake Keller, <i>Parsons Brinckerhoff</i> The Glenwood Canyon I-70 Story: Stakeholders and Sustainability Ralph Trapani, <i>Parsons</i> Evolution of Innovative Highway Design-Colorado Canyons Ralph Trapani, <i>Parsons</i> The I-710 Corridor Project EIR/EIS: A Sustainable Passenger and Goods Movement Highway Corridor for the 21st Century David Levinsohn, <i>URS Corporation</i>	Moderator: Alan Eckman, <i>AECOM</i> Reinventing Streets in Support of Livable Communities Stephen F. Nieman, <i>AICP, McCormick Taylor, Inc.</i> Aurash Khawarзад, <i>Project for Public Spaces</i> Denver's Living Streets Initiative Crissy Fanganello, <i>City of Denver</i> Creating a Sustainable Neighborhood: Mercer Corridor Project Angela Brady, <i>City of Seattle</i> Roger Mason, <i>CH2M Hill, Inc.</i>	Moderator: Bethany Eisenberg, <i>VHB</i> LID Feasibility in Transportation Stormwater Practices Aimee Navickis-Brasch, <i>Washington State University</i> Best Practices in Addressing NPDES and Other Water Quality Issues in Highway System Management Scott Taylor, <i>RBF Consulting</i> Patricia Cazenias, <i>Federal Highway Administration</i> Green Highways and Green Streets for 21st Century Infrastructure: Sustainable Strategies and Technologies Denise Rigney, <i>U.S. EPA, Drexel University</i>	Moderator: Caroline Paulsen, <i>AASHTO</i> Sustainability Opportunities with Pavements: Are We Focusing on the Right Stuff? Leif Wathne, <i>ACPA</i> Incorporating Greenhouse Gas Emissions Into Pavement Management Decisions Conrad Gosse, <i>University of Virginia</i> Reducing Green House Gas Emissions Into Pavement Management Decisions Robert Lee, <i>Texas DOT</i> Cool Pavements as Sustainable Approaches for Green Streets and Highways Kang-Won Lee, <i>University of Rhode Island</i>

12:00 noon - 1:00 pm

Lunch in the Exhibit Hall

1:00 pm - 2:30 pm

Concurrent Technical Session 2

<p>A2: Federal Initiatives: Green Streets and Highways, Ballroom C</p>	<p>B2: Green Transportation Corridors I, Big Thompson</p>	<p>C2: Green Streets Overview, Ballroom D</p>	<p>D2: Watershed Approaches, Platte River</p>	<p>E2: Green Pavements: Innovation & Performance, Cherry Creek</p>
<p>Moderator: Tim Jackson, AECOM</p> <p>Panel: Representatives of US DOT & EPA and HUD will discuss in detail the goals, programs and funding in support of their joint Livable Communities Initiative followed by an interactive audience participation discussion on the opportunities and challenges that lie ahead EPA and FHWA Collaboration—Livable Communities</p> <p>Panel Moderator: Laura Bachle, AICP, US EPA National Transportation Liaison</p> <p>Shailen Bhatt, AA for Policy, Federal Highway Administration</p> <p>Clark Wilson, Office of Sustainable Communities, US EPA</p> <p>Rick Garcia, HUD Region 8 RA</p>	<p>Moderator: Mike Ryan, BakerCorp</p> <p>Sustainability Strategies for Integrated Transportation and Land Use Planning at the Corridor Level Bert Cossaboon, McCormick Taylor Inc</p> <p>Greenlink Windsor Transportation Land Use Planning Samuel Schwartz, Sam Schwartz Engineering</p> <p>East Side Mobility Plan Michael Heugh, AECOM</p>	<p>Moderator: Steve Nieman, McCormick Taylor</p> <p>Sustainable Streets - How You Plan Them and How You Build Them Marshall Elizer, Gresham, Smith and Partners</p> <p>Beyond Green: The Emerging Practice of Sustainable Street Design Clark Wilson, Smart Growth Program, U.S. EPA Ellen Greenberg, Arup</p> <p>St. Louis Great Streets: Streets as Community Assets Tim Page, CH2M Hill, Inc.</p>	<p>Moderator: Dominique Lueckenhoff, U.S. EPA</p> <p>Watershed Resources Registry: An Integrated Approach to Watershed Management Dominique Lueckenhoff, U.S. Environmental Protection Agency</p> <p>Developing NCDOT's Green Approach to Managing Stormwater Runoff from Bridges Alex Nice, URS Corporation</p> <p>Pennsylvania's New 202 Parkway: A Case Study in Pro-Active Highway Design and Stormwater BMPs Chris Stanford, Michael Baker Jr., Inc.</p>	<p>Moderator: John Bukowski, Federal Highway Administration</p> <p>Evaluation of Long-Term Environmental and Functional Benefits of an Innovative Photocatalytic Road Pavement Maurizio Crispino, DIAR - Department of Environmental, Hydraulic, Infrastructures and Surveying Engineering, Politecnico di Milano</p> <p>Durability of Sustainable Concrete Mixtures Rui Liu, University of Colorado Denver</p> <p>Carbon Nano Fiber Reinforced Cement Composite for Energy Harvesting Road Jacob Cain, Alabama A&M University</p>

1:00 pm - 5:00 pm

Posters #2, Ballroom Foyer

- Structural/Hydrologic Design and Maintenance of Permeable Interlocking Concrete Pavement, David Smith, Interlocking Concrete Pavement Institute
- Evaluation of Recycled Asphalt Shingles for Beneficial Reuse in Roadway Construction, Justin Warner, AECOM
- Building Derived Construction and Demolition Debris for Road Construction as Alternative Material to Quarried Aggregates, Jeffrey Melton, University of New Hampshire
- Saving the Earth One Truck Movement at a Time, Marsha Anderson Bomar, Street Smarts
- Achieving Greenhouse Gas Reductions through Flashing Yellow Arrow Implementation at Traffic Signals, Chris Brehmer, Kittelson & Associates, Inc.
- Efficient and Green: Lee County, Florida, Chris Swenson, Wilbur Smith Associates
- Retrofitting with Bioretention and a Bioswale to Treat Bridge Deck Stormwater Runoff, Ryan Winston, North Carolina State University
- Laboratory Evaluation of HMA Containing RAP and PMB, Adam Zofka, University of Connecticut
- High Volume Fly Ash Concrete for Highway Pavements, Stephan Durham, University of Colorado Denver
- FHU Project Sustainability Toolbox, Michelle Stevens, Felsburg Holt & Ullevig
- Studies on CKD-Stabilized Soil for Road Pavement Construction in Eastern Nigeria, Rotimi Oduola, Ladake Akintola University of Technology

2:30 pm - 3:00 pm

Refreshment Break in the Exhibit Hall, Sponsored by AECOM



Conference Program

3:00 pm - 4:30 pm

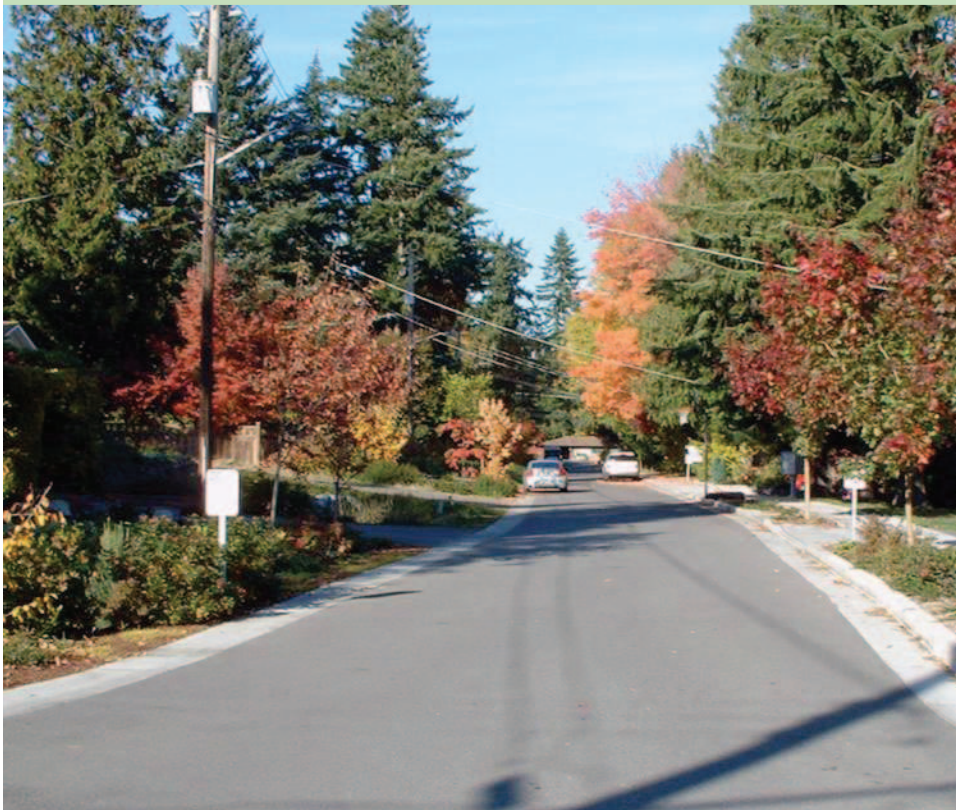
Concurrent Technical Session 3

A3: Green Education and Training , <i>Cherry Creek</i>	B3: Green Transportation Corridors 2 , <i>Big Thompson</i>	C3: Green Streets & Livable Communities 2 , <i>Ballroom D</i>	D3: Stormwater Technology: Retrofits , <i>Platte River</i>	E3: Green Pavements: Materials Recycling , <i>Ballroom C</i>
<p>Overview: Issues and Challenges Adjo Amekudzi, Ph.D., <i>Georgia Institute of Technology, Chair, ASCE Committee on Sustainability and Environment</i></p> <p>Sustainability Education for Engineering Practitioners and Public Officials Cliff Davidson, Ph.D., <i>Director, Center for Sustainable Engineering, Syracuse University</i></p> <p>Advanced Credentialing in Civil Engineering Requirements for Sustainability Continuing Education Karyn M. Erickson, <i>Chair, ASCE Academies—Specialty Certification Subcommittee</i></p> <p>Sustainability Training and Continuing Education for the Public Works Professional Freeman Anthony, <i>Committee Chair – APWA Transportation Sustainability Subcommittee</i></p>	<p>Moderator: Sandy Otto, <i>Federal Highway Administration</i></p> <p>US 301 Waldorf Area Transportation Project Steven Hawtof, <i>Gannett Fleming, Inc.</i> Crystal Saunders, <i>PB Americas</i></p> <p>HITODs - Growing Sustainable, Transit-Oriented Communities Around America's Highway Interchanges Eva Lerner-Lam, <i>Palisades China Group</i></p> <p>US 36: An Idea Whose Time Has Come Audrey DeBarros, <i>36 Commuting Solutions</i> Tracy Winfree, <i>City of Boulder</i> Gina McAfee, <i>Jacobs Engineering</i></p>	<p>Moderator: Ahmad Omair, <i>Kimley-Horn and Associates, Inc.</i></p> <p>Tucson Modern Streetcar—A Livable Transit Solution for Tucson Gina Macchiaroli, <i>HDR</i></p> <p>Rethinking Street Design to Achieve Sustainable Outcomes with a Focus on Livability in New Zealand Subdivisions Keith Hall, <i>CH2M Hill, Inc.</i></p> <p>Complete Streets & Livability: Making the Connection Shana Baker, <i>Federal Highway Administration</i></p>	<p>Moderator: Dan Meyer, <i>Bentley Systems, Inc.</i></p> <p>Stormwater Retrofitting to Restore Ecosystems Along Linear Projects Michael Lighthiser and Vince Sortman, <i>Biohabitats, Inc.</i></p> <p>Impacts of Porous Friction Course Overlays, Roadside Filter Strips, and Dry and Wet Swales on Highway Runoff Ryan Winston, <i>North Carolina State University</i></p> <p>Towards Green Bridges Scott Snelling, <i>Parsons Brinckerhoff</i></p> <p>Permeable Friction Course for Sustainable Highways Michael Barrett, <i>University of Texas at Austin</i></p>	<p>Moderator: Jag Mellela, <i>ARA</i></p> <p>Researching Uses for Recycled Materials in Colorado Dale Tischmak and Kate Baird, <i>Felsburg Holt & Ullevig</i></p> <p>Investigation of Effects of Recycled Asphalt Pavement (RAP) on Low-Temperature Cracking Performance of Asphalt Mixtures William G. Buttlar, <i>University of Illinois</i></p> <p>Recycled Aggregates—Green Solutions, Smart Choices Russel Hawkins, <i>Allied Recycle</i></p> <p>Full-Depth Reclamation for Pavement Rehabilitation Neil Ryan, <i>Mt. Carmel Stabilization Group, Inc.</i></p>

5:00 pm - 5:45 pm

Plenary Session: The Colorado Experience—Denver and Boulder, *Ballroom CD*

Peggy Catlin, *CDOT Deputy Executive Director*
Tracy Winfree, *City of Boulder Transportation Director*
Michelle Weingarden, *Greenprint Denver, City of Denver*



Tuesday, November 16

8:00 am - 12:00 noon

Posters #3, Ballroom Foyer

- Use of Performance Cements (ASTM C 1157) in Colorado and Utah: Laboratory Durability Testing and Field Case Studies, Tom VanDam, *Applied Pavement Technology*
- The Effects of Post Consumer Recycled Asphalt Shingles and Gradation in Hot Mix Asphalt, R. Williams, *Iowa State University*
- Roundabouts and Sustainable Design, Alex Ariniello, *LSC Transportation Consultants, Inc.*
- Durable “Green” Concrete from Activated Pozzolan Cement, James Hicks, *CeraTech, Inc.*
- Brookline Boulevard Revitalization, Michael Babusci, *PB Americas, Inc.*
- Sustainable Concrete Design and Accounting in Highway Infrastructure, Stephan Durham, *University of Colorado Denver*
- FasTracks: How Plans for an Aggressive Expansion of Transit are Shaping the Denver Metropolitan Area, Susan A. Wood, *Denver RTD- FasTracks*
- An Integrated Approach for Using Native Plants for Roadside Revegetation, Amit Armstrong, *Federal Highway Administration*
- Stormwater Management: Implementing Green Streets in San Mateo County, California, Kevin Perry, *Nevue Ngan Associates*
- Rock Creek West Livability Study, Jessica Juriga, *Parsons Brinckerhoff*, and Anna Chamberlin, *DDOT*
- Using a Multi-Modal, Complete Streets Approach to Redeveloping South Academy Boulevard in Colorado Springs, John Holzwarth, *CH2M Hill*

8:30 am - 10:00 am

Concurrent Technical Session 4

A4: Green Performance Rating Systems I, <i>Ballroom D</i>	B4: Green by Design: Roundabouts, <i>Cherry Creek</i>	C4: Complete Streets I, <i>Big Thompson</i>	D4: Innovative Stormwater Practices, <i>Platte River</i>	E4: Green Pavements: Beneficial Reuse, <i>Ballroom C</i>
<p>Moderator: Mike Meyer, <i>Georgia Institute of Technology</i></p> <p>Moving Towards Sustainability: New York State Department of Transportation’s GreenLITES Story Paul Krekeler, <i>New York State DOT</i></p> <p>FHWA Sustainable Highways Rating System Gloria Shepherd, <i>Federal Highway Administration</i></p> <p>ASCE/ACEC/APWA Green Infrastructure Ratings Evaluation Peter Binney, <i>Chair, ASCE Sustainable Infrastructure Project Rating Subcommittee</i></p>	<p>Moderator: Jeff Lormand, <i>Parsons</i></p> <p>Carmel, IN - Keystone Avenue Corridor Gets Facelift Craig Parks, P.E., <i>American Structurepoint, Inc.</i> Michael McBride, P.E., <i>City of Carmel, Indiana</i></p> <p>A Roundabout Way to Sustainable Roadway Design Lawrence Murphy, <i>CDM</i></p> <p>Clearwater, FL - The New Green Intersection is Round Ken Sides, <i>City of Clearwater</i></p>	<p>Moderator: Greg King, <i>Parsons</i></p> <p>Contextually Complete Streets Lindsey R. Sousa, <i>Parsons Brinckerhoff</i></p> <p>Using the NEPA Environmental Review Process to Complete the Street Colleen Kirby Roberts, <i>CH2M Hill, Inc.</i> David Singer, <i>CDOT Region 6 Senior Environmental Planner</i></p> <p>The Downtown Complete Street: Implementing Portland’s SW Montgomery Green Street Kevin Perry, <i>Nevue Ngan Associates</i></p>	<p>Moderator: Denise Rigney, <i>U.S. EPA</i></p> <p>EPA’s Green Transportation Notebook Robert Goo, <i>U.S. EPA</i></p> <p>Setting the Standard for Low Impact Development in San Diego: City of San Diego Low Impact Development Design Manual Sumer Hasenin, P.E., and Jim Nabong, P.E., <i>City of San Diego</i> Scott Struck, Ph.D., and Jason Wright, P.E., <i>Tetra Tech</i></p> <p>NCHRP Transportation Research Eric Strecker, <i>Geosyntec</i></p>	<p>Moderator: Jeffrey Melton, <i>University of New Hampshire</i></p> <p>Industrial Ecology of Roads: Use of Industrial By-Products in Urban Transportation Infrastructure Kevin Gardner, <i>University of New Hampshire</i></p> <p>Trace Element Leaching from Recycled Pavement Materials Stabilized with Fly Ash Craig Benson, <i>University of Wisconsin–Madison</i></p> <p>Is Coal Ash a Green Recycled Material? Leaching of Coal Fly Ash in Unconfined Applications and Life-Cycle Allocations Kevin Gardner, <i>University of New Hampshire</i></p> <p>Using Foundry Sand in Green Infrastructure Construction Sabrina Bradshaw, <i>Recycled Materials Research Center</i></p>

10:00 am - 10:30 am

Refreshment Break in the Exhibit Hall, Sponsored by Transpo



Conference Program

10:30 am - 12:00 noon Concurrent Technical Session 5				
A5: Green Performance Rating Systems 2 - Panel, Ballroom D	B5: Green by Design Low Impact Development, Cherry Creek	C5: Complete Streets 2, Big Thompson	D5: Stormwater: Activities in Transportation, Platte River	E5: Green Pavements: Recycle and Reuse Summit, Ballroom C
<p>Moderator: Mike Meyer, Georgia Institute of Technology</p> <p>Greenroads: A Sustainability Performance Metric for Roadway Design and Construction Steve Muench, University of Washington</p> <p>STEED: A Greenscale for Continuous Improvement Gary Demich, H.W. Lochner, Inc.</p> <p>The Wisconsin Green Highway Construction Rating System Craig Benson, University of Wisconsin–Madison</p> <p>PA Turnpike Commission and Sustainability in Construction Gary Chodkowski, PTC/Michael Baker Jr., Inc.</p> <p>ILAST – Illinois Livable & Sustainable Transportation Douglas Knuth, Jacobs</p> <p>Sustainable Transportation Douglas Knuth, Jacobs</p>	<p>Moderator: Bert Cossaboon, McCormick Taylor</p> <p>Bremerton, Washington—From Waterwise to Streetwise: One City's Efforts Towards Greener Streets Larry Matel, City of Bremerton</p> <p>Houston's LID Green Roadway Ross Gordon, AECOM</p> <p>Iowa's Green Street Pilot Project Thomas Price, Conservation Design Forum</p>	<p>Moderator: Keith Hall, CH2M HILL</p> <p>Island Multimodalism and Sustainability: Developing a Complete Streets Strategy and Best Practices for the State of Hawaii Kathleen Chu, CH2M Hill, Inc.</p> <p>14th Street Denver Michael Harmer, City & County of Denver</p> <p>Complete Streets – Complete Networks Hannah Twaddell, Renaissance Planning Group</p>	<p>Moderator: Laura Bachle, U.S. EPA</p> <p>Panel Discussion: Representatives of FHWA, EPA, AASHTO, and NCHRP will discuss recent advances in stormwater management approaches</p> <p>Speakers: Shannon Eggleston, AASHTO Patricia Cazenias, Federal Highway Administration Eric Strecker, Geosyntec Consultants</p>	<p>Moderator: Dave Goss, ACAA</p> <p>The Beneficial Use of Paper Industry By-Products in Road Construction and Related Applications William Thacker, Western Michigan University</p> <p>CCPs —“Civilized” Sustainable Solutions Thomas Adams, American Coal Ash Association</p> <p>The Use of Tire-Derived Aggregate in Road Construction Applications Michael Blumenthal, Rubber Manufacturers Association</p>

12:00 noon - 1:00 pm

Lunch in the Exhibit Hall, Sponsored by CH2M Hill 

1:00 pm - 5:00 pm

Field Trip: I-25 HOT Lanes, US 36 and Boulder Sustainable Improvements (See page 4 for details.)

Departs from hotel entrance. Additional ticket purchase required.

Dinner on Own



Wednesday, November 17

8:00 am - 9:30 am Concurrent Technical Session 6				
A6: Environmental Tools 1, <i>Cherry Creek</i>	B6: Context Sensitive Solutions 1, <i>Big Thompson</i>	C6: Walking and Biking 1, <i>Ballroom D</i>	D6: Stormwater Green Retrofit Strategies, <i>Platte River</i>	E6: Green Pavements: Techniques & Technology, <i>Ballroom C</i>
<p>Moderator: Gary McVoy, <i>Parson Brinckerhoff</i></p> <p>Realizing the Benefits of the Planning and Environmental Linkage (PEL) Process: Federal Boulevard (5th Avenue to Howard Place), Denver, Colorado Kevin Maddoux, <i>Felsburg Holt & Ullevig</i></p> <p>Landscape Scale Planning: Innovative Tools Used by MD SHA and TX DOT Heather Lowe, <i>Maryland State Highway Administration</i></p> <p>Recent Research Products that Support Eco-Logical Implementation Shari Schaftlein, <i>Federal Highway Administration</i> Marie Venner, <i>SHRP C06</i></p>	<p>CSS National Dialog—From Conception to Common Goals David Carlson, <i>Parsons Transportation Group</i> R. Keith Moore, <i>Federal Highway Administration</i></p> <p>This panel will discuss the five national dialog workshops conducted by FHWA and the Center for Transportation and the Environment held in 2009 and 2010. The purpose of the National Dialog was to share best practices, to extend CSS to a broader audience, and to continue to build a community of practice. This panel will cover the concept and purpose of the National Dialog; an overview of the selected case studies; the results of each of the workshops, the overall messages and lessons learned from CSS practitioners, discussion of potential Next Steps.</p>	<p>Moderator: Jason Longsdorf, <i>Parson Brinckerhoff</i></p> <p>Quantifying Non-Motorized Demand—A New Way of Understanding Walking and Biking Demand Preston Elliott, <i>RPM Transportation Consultants, LLC</i></p> <p>Implementing a Walkable City: Denver's First Pedestrian Priority Zone Cassie Milestone, <i>Downtown Denver Partnership</i> Crissy Fanganello, <i>Denver Public Works</i></p> <p>Efficiency, Sustainability, and Walkability—Promoting Cost-Saving Measures that Improve Life in a Community Kevin Gardner, <i>University of New Hampshire</i></p>	<p>Moderator: Robert Goo, <i>U.S. EPA</i></p> <p>C Street, NE: Green Urban Boulevard in the District of Columbia William Schulteiss, <i>Toole Design, Inc.</i></p> <p>LID in Retrofitting an Ultra-Urban Transportation Infrastructure Brian Valentine, <i>Kimley-Horn & Associates, Inc.</i> Neal Shapiro, <i>City of Santa Monica</i></p> <p>Aiken Green Infrastructure Retrofit: A Case Study Bradley Putman, <i>Clemson University</i></p>	<p>Moderator: Craig Benson, <i>University of Wisconsin</i></p> <p>Development of a Design System for Permeable Interlocking Concrete Pavement David Smith, <i>Interlocking Concrete Pavement Institute</i></p> <p>Recycling and Reusing Asphalt Shingles in Colorado Jennifer Shriver, <i>Boulder County</i></p> <p>The Effects of Recycled Asphalt Shingles on Hot-Mix Asphalt Performance Mark Watson, <i>Minnesota Department of Transportation</i></p>

9:30 am - 9:45 am **Refreshment Break, Sponsored by ARA** 

9:45 am - 11:15 am Concurrent Technical Session 7				
A7: Environmental Tools 2, <i>Cherry Creek</i>	B7: Context Sensitive Solutions 2, <i>Big Thompson</i>	C7: Walking and Biking 2, <i>Ballroom D</i>	D7: Sustainable Transportation Challenges, <i>Platte River</i>	E7: Green Pavements: Case Studies, <i>Ballroom C</i>
<p>Moderator: Kate Kurgan, <i>AASHTO</i></p> <p>The Endangered Species Act and the Greening of the Hampstead Bypass Bill Branch, <i>Maryland State Highway Administration</i></p> <p>Next Steps in Coordinating Federal Agency Support for Ecological Outcomes Shari Schaftlein, <i>Federal Highway Administration</i></p> <p>Incorporating Environmental Factors Into the Infrastructure Life-Cycle Analysis Crysta Highfield, <i>Virginia Tech Transportation Institute</i></p>	<p>Moderator: Roger Mason, <i>CH2M HILL</i></p> <p>County of Hawai'i La'aloa Avenue Extension CSS Buddy Desai, <i>CH2M HILL</i></p> <p>Educational Tool for Context Sensitive Solutions Thomas Coleman and Kathryn DeForrest, <i>Parsons Brinckerhoff</i></p> <p>A Process for Measuring Context Sensitive Solutions Benefits Nikiforos Stamatidis, <i>University of Kentucky</i></p>	<p>Moderator: Gary Chodkowski, <i>Baker</i></p> <p>Regional Trail Spines and Networks—A Priority Strategy for Greening Streets and Highways Marc Morfei, <i>Pennoni Associates Inc.</i></p> <p>Multimodal Level of Service in the 2010 Highway Capacity Manual Nick Foster, <i>Kittelson & Associates, Inc.</i></p> <p>Complete and Green Streets — from Concept to Reality Jennifer Toole, <i>Toole Design, Inc.</i></p>	<p>Sustainable Transportation Challenges for the Transportation Practitioner This session will explore industry gaps in defining, identifying, measuring, and communicating sustainable transportation projects/programs. Speakers will share what ITE, ASCE/T&D, and others are doing in terms of initiatives, projects, policies and certification programs, in addition to identifying how best to better coordinate these and other related actions within the profession to more effectively address sustainable transportation challenges.</p> <p>Facilitator: Patricia B. Noyes, <i>Pat Noyes & Associates</i></p> <p>Speakers: Ellen J. Greenberg, <i>Arup</i> Louis Neudorff, <i>Transportation Systems/steris, Inc.</i></p>	<p>Moderator: Robb Jolly, <i>ReVision Strategy + Design</i></p> <p>A Green Pavement Construction Project in Las Vegas Saves Natural Resources Stephane Charmot, <i>Road Science LLC</i></p> <p>City of Saskatoon's "Green Streets" Program—A Case Study for the Implementation of Sustainable Roadway Rehabilitation with the Reuse of Concrete and Asphalt Rubble Materials Marlis Foth, <i>University of Saskatchewan</i></p> <p>Utilization of Post Consumer Recycled Asphalt Shingles and Fractionated Recycled Asphalt Pavement in Hot Mix Asphalt Chris Williams, <i>Iowa State University</i></p>

11:30 am - 12:45 pm **Closing Plenary & Lunch—Conference Summary and Future Outlook for Green Streets & Highways,**
Ballroom AB
Speaker: Dr. Mike Meyer, *Georgia Institute of Technology*

1:00 pm - 5:00 pm **Post-Conference Workshops** (See page 4 for details.)

- Achieving Sustainable Watershed Protection Through Innovative Stormwater Management: Presenting EPA and Partner's Perspectives on Current and Future Directions, *Ballroom D*
- Asset Management and Sustainability, *Ballroom C*
- Climate Change Adaptation Strategies for Transportation Managers, *Big Thompson*