

Agenda, as of May 9, 2005
TRB National Roundabout Conference, May 22-25, 2005

Contact: Philip Demosthenes, pdemosthenes@parametrix.com

Registration Opens for Conference and Workshop – Sunday, 11:00 am to 5:00 pm. Reopens Monday at 7:00 am

Introduction to Roundabouts Workshop – Sunday, 12:30 PM to 4:30 PM (Attendance is optional, free to registrants)
Perry Shea, Moderator

The Case for Roundabouts – Howard McCulloch
Single Lane RBT's, Design, Capacity – Mark Lenters
Multi-lane RBT's, Design, Capacity – Scott Ritchie
Multi-modal and ADA – Michael Moule, Scott Windley
Introduction to aaSIDRA – Rahmi Akcelik, Mark Besley
Introduction to RODEL – Barry Crown, Mark Johnson

Welcoming Reception – Sunday, 5:30 PM to 7:30 PM

Plenary Session – Monday, 8:00 - 9:30 AM, Centennial
Philip Demosthenes, Conference Chairman
Dr. Gene Russell, Chairman, TRB Joint Subcommittee on Roundabouts
Brian O'Neill, President, Insurance Institute for Highway Safety
Thomas Hicks, Director, Office of Traffic & Safety, Maryland State Highway Agency.
Greg Hall, Director of Public Works, Town of Vail

Session 2A – Monday, 10:15 - 11:45 AM, Centennial
Use in a Range of Settings, Urban to Rural and Low Speed to High Speed

In Transition: Roundabouts in Greater Vancouver, BC
Rachel Jamieson
Roundabouts - The Responsible Solution (Calgary CA)
Stephen Sargeant
High speed approaches to Roundabouts
Scott Ritchie

Session 2B – Monday, 10:15 - 11:45 AM, Cascade
Design Elements in Safety

Safety Auditing Roundabouts (Canada)
Mark Lenters
Review of Accident Research at Roundabouts
Janet Kennedy
Determining the Needs of Older Drivers for Negotiating Modern Roundabouts
Dominique Lord, Ida Van Schalkwyk, Sue Chrysler, Loren Staplin

Self-Guided Field Trips to Avon-Circulating bus shuttle provided between noon and 4:00 PM

Field Workshop - Noon to 5:00 PM. Meets at Cascade. Bus to Avon. Wrap up meeting in Rocky Mt Ballroom at 5:00 PM
Techniques and Cues used by Pedestrians who are Blind at Roundabouts

Pre-registration was required. Workshop is full.
Janet Barlow

Session 3A – Monday, 1:00 - 2:45 PM, Centennial
NCHRP 3-65, US Methods of Estimating Safety & Operational Impacts & Refine Design Criteria

Data Collection and Extraction
Michael Kyte, Michael Dixon, George List, Aimee Flannery, Lee Rodegerdts
Preliminary Safety Findings
Bhagwant Persaud, Craig Lyon, Aimee Flannery, Lee Rodegerdts
Preliminary Operations Findings
Miranda Blogg, Rod Troutbeck, Werner Brilon, Lee Rodegerdts
Preliminary Design Findings
Lee Rodegerdts, Karen Giese, David Harkey

Session 3B – Monday, 1:00 - 2:45 PM, Cascade
Safety Measures

Roundabout: A Safety Improvement Countermeasure
Virendra Singh, Karl Fredrickson, Randy Hoskins
The Safety of Roundabouts and Traffic Lights in Belgium
Diduer Antoine
Roundabouts Conflicts and their effect of Safety in Washington State
Brian Walsh, Ida Van Schalkwyk
Is Your Roundabout Too Round?
Victor Salemann

Session 4A – Monday, 3:15 - 5:00 PM, Centennial
Use in An Urban Constrained Environment

Roundabout Implementation in a Constrained Urban Environment
Mark Johnson
Capacity and Performance Analysis of Roundabout Metering Signals
Rahmi Akcelik
Dimondale: America's First Mini-Roundabout
Edmund Waddell, James Albertson
Some Design and Operational Issues
Michael Wallwork

Session 4B – Monday, 3:15 - 5:00 PM, Cascade
Alternative Analysis Comparing All Intersection Alternatives

Study of Operational Performance and Environmental Impacts of 11 Modern Roundabouts in Kansas
Srinivas Mandavilli, Eugene Russell, Margaret Rys
Impact Study of Converting Six Cross Intersections to Low-Speed Modern Roundabouts
Ken Sides, John Seals, Michael Wallwork
Analytical Analysis of Pedestrian Effects on Roundabout Exit Capacity
Glenn Blackwelder, Lee Rodegerdts,
Estimating Roundabout Performance Using Delay and Conflict Opportunity Crash Prediction
Douglas Kennedy, Kristine Taylor, Alan Kaub

Hospitality Suite – Mountain View Room – 6:00 – 8:00 P.M.

7:30 - 9:30 PM: Meeting of the TRB Joint Subcommittee on Roundabouts

7:30 - 9:30 PM: Meeting of the TRB Access Management Committee

Session 5A – Tuesday, 8:00 - 9:45 AM, Centennial

Roundabout Experience and Practice

Roundabout Lessons Learned the Hard Way in New York State

Howard McCulloch

Roundabouts: A State of the Art in Germany

Werner Brilon

How We fixed a Roundabout to Match Driver Expectations

Skip Hudson, Rick Routh

Bicycles at Roundabouts: State of the Practice

Michael Moule

Session 5B – Tuesday, 8:00 - 9:45 AM, Cascade

How We Did It - Evaluation, Design, Completion

Are Roundabouts Good for Business?

Alex Ariniello, Dan Hartman

Vermont Roundabout Development: Safety, Performance, and Policy Development Considerations

Tony Redington

Case Study: Blue Lake Roundabout (Humboldt County CA)

Steven Weinberger

Design and Construction of Concrete Roundabouts

Steven Waalkes

Session 6A – Tuesday, 10:15 - Noon, Centennial

Making Roundabouts Work in a Mixed Environment

Unconventional Roundabout Techniques Utilized in New York

Howard McCulloch

Evolution of Roundabouts in France and their New Uses

Bernard Guichet

High Capacity Roundabouts and Livable Communities

Bill Hange, Mark Johnson

Roundabouts and Light Rail Combined: An Innovative Intermodal Solution

Bill Baranowski

Session 6B – Tuesday, 10:15 - Noon, Cascade

Signs, Paint, Illumination, Landscaping

Roundabout Signing Guide: A Recommended Practice (US and Canada)

Phillip Weber, Mark Lenters, Scott Ritchie, Leif Ourston

Navigation Signing for Double Lane Roundabouts

Bryan Katz, Fred Hanscom, Vaughan Inman

An Examination of Current U.S. Practices in Roundabout Lighting

Patrick Hasson, Paul Lutkevich

A Study of the Safety Effects of Signalizing Intersections on

Colorado State Highways

Richard Sarchet

Self-Guided Field Trips to Avon-Circulating bus provided between noon and 4:00 PM

Session 7A – Tuesday, 1:00 - 3:30 PM, Centennial.

(Includes a 15 minute break)

Pedestrians

Street Crossing by Blind and Sighted Pedestrians at a Single-Lane Modern Roundabout

Richard Long, Daniel Ashmead, Nagui Rouphail, David Guth,

Ron Hughes, Paul Ponchillia, Robert Wall

Roundabout Access for Visually Impaired Pedestrians: Evaluation of a Yielding Vehicle Alerting System for Double-Lane Roundabouts

Vaughan Inman, Gregory Davis, Dona Sauerburger

Roundabout Access for Blind and Visually Impaired Pedestrians: Update on NCHRP Project 3-78

Ronald Hughes

Yielding Behavior of Drivers to Sighted and Blind Pedestrians at Roundabouts

Duane Geruschat

Pedestrian Crosswalk Signals at Roundabouts: Where are they Applicable?

Bill Baranowski

Session 7B – Tuesday, 1:00 - 3:30 PM, Cascade (Includes a 15 minute break)

Modeling, Evaluation, Capacity

High Capacity Roundabouts Intersection Analysis: Going Around in Circles

David Stanek, Ronald Milam

Incorporating the Effect of Exiting Vehicles in Critical Gap Estimations at US Roundabouts

Yuri Mereszczak, Michael Dixon, Michael Kyte

Roundabout Model Calibration Issues and a Case Study

Rahmi Akçelik

Simulated Capacity of Roundabouts and Impact of Roundabout Within a Progressed Signalized Road

Joe Bared, Praveen Edara

Simulation of Pedestrian - Vehicle Interactions at Roundabouts

Nagui Rouphail, Ron Hughes, KoSok Chae

Evening Event at the Vail Cascade Hotel

Social hour, 5:15 Centennial Foyer

Dinner 6:00 pm, entertainment following dinner

Session 8A – Wednesday, 7:30 - 9:15 AM, Centennial

DOT Policy and Procedure Development

Development of Caltrans Policy and Guidance for Roundabouts

Rebecca Mowry, Kevin Hanley

New Roundabout Guidance at Kansas DOT

Steve King

Washington Roundabout Program

Brian Walsh

Incorporating Roundabouts into Wisconsin's Design Guide

Mark Johnson, Patrick Fleming

Session 8B – Wednesday, 7:30 - 9:15 AM, Cascade

Public Involvement and Outreach

The 'Sock Puppet' and Other lessons Learned in Grand Junction, CO

Jody Kliska, Kristin Winn

Turnabout in Public Attitudes Towards Roundabouts in Clearwater Florida

Ken Sides

Implications and Placement of a Modern Roundabout, Cheyenne, WY

Marten Matsen, Ray Moe

Roundabouts in Harford County, Maryland, A Local Perspective

Jeff Stratmeyer, Cheryl Banigan

CLOSING SESSION – Wednesday, 9:30 - 11:15 AM, Centennial

Town Meeting Forum - Roundabout Discussions

Closing Remarks – 11:00 AM

Gene Russell and Philip Demosthenes

Conference Closes – 11:15 AM