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Session times and dates subject to change.
Preliminary Conference Agenda

Tuesday, April 15

12:00 PM – 5:00 PM
Registration

Wednesday, April 16

7:00 AM – 5:00 PM
Registration

7:15 AM – 8:00 AM
Breakfast

8:00 AM – 9:00 AM
Opening Plenary Session

1) Welcome and Opening Remarks
   Brian Walsh, Washington State DOT & International Roundabout Conference Planner
   Gene Russell, Emeritus Professor, Kansas State University & TRB Roundabout Committee Chair
   Mike Griffith, FHWA Office of Safety, Washington, DC
   Lynn Peterson, Secretary of Transportation, Washington State DOT

9:00 AM – 9:45 AM
Break
Poster Session 1 Opens – Presenters Available

9:45 AM – 11:30 AM
Breakout Sessions

2A) Metering and Other Operational Considerations for Roundabouts
   Moderator: TBD
   Presenters
   • Bastian Schroeder, ITRE at N.C. State University, SuperCircles: Using a Part-Time Entry Signal to Create All-Day Operational and Safety Benefits at Intersections
   • L.G.H. (Bertus) Fortuijn, Delft University of Technology, The Netherlands, Robustness of Roundabout Metering Systems (RMS)

Session times and dates subject to change.
A. Maria Salomons, Delft University of Technology, The Netherlands, *Optimizing the Traffic Control of Signalized Turbo Circles*

Bill Baranowski, RoundaboutsUSA, *Roundabouts Located Near Traffic Signals*

### 2B) Evaluation Elements of Roundabout Intersection Choices

**Moderator:** TBD

**Presenters**
- Michelle Stevens, Felsburg Holt & Ullevig, *Blending a Roundabout into an Art District in Lakewood, Colorado*
- Koji Suzuki, Nagoya Institute of Technology, Japan, *Subjective Evaluation for Driving Conditions at Roundabout by Before-After Analysis*
- Diego Fernandes Neris, University of Sao Paulo, Brazil, *An Adaptation of Roundabouts Operation for High-Volume Traffic Conditions*

### 2C) Driver and Other User Behavior Relationship to Capacity/Safety

**Moderator:** TBD

**Presenters**
- Michael Hunter, Georgia Institute of Technology, *Georgia Roundabout Model Calibration*
- Kun Zhang, DPTI, Government of South Australia, *An Innovative Dual Roundabout - Design Drives Behaviour Change*
- Nathan Belz, University of Alaska – Fairbanks, *Cellular Automata and the Influence of Driver Behavior at Roundabouts*
- Hiroyuki Kageyama, Civil Engineering Research Institute, Japan, *Driving Behavior Analysis at Roundabouts under Snowy and Dry Road Conditions*

#### 11:30 AM – 1:00 PM

**Lunch**

#### 12:30 PM – 1:00 PM

**Poster Session 1 Continues – Presenters Available**

#### 1:00 PM – 2:45 PM

**Breakout Sessions**

#### 3A) Constructing Roundabouts, Work Zone Design and the Use of Temporary Roundabouts

**Moderator:** TBD

**Presenters**
- Kevin House, Parametrix, Inc., *Lessons in Scripting the Construction Sequencing Dance*
- Jennifer Atkinson, Leidos, *Temporary Traffic Control for Building and Maintaining Single and Multi-Lane Roundabouts*

Session times and dates subject to change.
• Nathan Beauheim, City of Cheyenne, Wyoming, *Constructing the Pershing / Converse / 19th Roundabout in the Middle of Cheyenne, Wyoming*
• Shane King, Olsson Associates, *Temporary Roundabout in Work Zone*
• Jay VonAhsen, Kimley-Horn and Associates, Inc., *Recent Challenges with Modern Roundabout Construction*

**3B) Unique Roundabout Applications - Case Studies PART 1**
**Moderator: TBD**
**Presenters**
• Daniel Spann, RPM Transportation Consultants, LLC, *A Case Study of the Music Row Roundabout in Nashville, Tennessee*
• David A. Henkel, CHA Consulting, Inc., *Heading Home - The Story of the US 31 Mega-Project*
• Alan Woodmansey, FHWA, Montana Division, *Montana's Roundabout Corridor: Convincing the Stakeholders and Ourselves*
• Christopher Tiesler, Kittelson & Associates, Inc., *Gilberts Corner (US 50 / US 15) Roundabout Retrofit*
• Becky Bucar & Dan Wilkins, Town of Truckee, California, *Policies, Planning and Strategies to Fund Roundabouts*

**3C) Safety: From HSM and State Safety Summaries of North America to Context for Needed Illumination**
**Moderator: TBD**
**Presenters**
• Clayton Rudy, McElhanney Consulting Services Ltd., *Long-term Trends in Safety Performance at Roundabouts*
• Andrea Bill, University of Wisconsin-Madison, *Safety Evaluation of Wisconsin Roundabouts*
• Franklin Gbologah, Georgia Institute of Technology, *Evaluation of Roundabout Illumination and Safety*
• Andrew Duerr, GHD Inc., *Statewide Roundabout Implementation Using the HSM Implementation Plan as a Model*

2:45 PM – 3:15 PM
**Break**
**Poster Session 1 Continues – Presenters Available**

3:15 PM – 4:45 PM
**Breakout Sessions**

**4A) Truck Accommodations / Considerations at Roundabouts**
**Moderator: TBD**
**Presenters**
• Anabele Lindner, University of Sao Paulo, Brazil, *Traffic and Safety Compatibility of LCV in Modern Roundabouts*

Session times and dates subject to change.
• Amanda Ruksznis, Reid Middleton, Inc., *Trucks and Roundabouts: Friends or Foes?*
• Scott Ritchie, Roundabouts & Traffic Engineering, *Accommodating Trucks at Multi-Lane Roundabouts*
• Ranjit Godavarthy, Great Plains Transportation Institute, NDSU, *Accommodating Oversize Overweight Vehicles at Roundabouts*

4B) Larger Policy, Planning, and Design Aspects of Roundabouts
Moderator: TBD

Presenters
• Phil Rust, Ada County Highway District, Idaho, *Greasing the Skids and Shifting into Overdrive*
• Michael MacDonald, Hatch Mott MacDonald, *Development of the Canadian Roundabout Design Guide*
• Mark T. Johnson & Ken Sides, MTJ Engineering, LLC & City of Clearwater, Florida, *Implications of Modern Roundabouts for Communities and Roadway Planning Standards*
• Frank Broen, Certified Roundabout Champions, *Certified Roundabout Champions*

4C) Micro-Simulation Studies on Existing Roundabouts – Calibration and Modeling 3D
Moderator: TBD

Presenters
• Sewa Ram, School of Planning and Architecture, New Delhi, India, *Performance Indices for Roundabouts in Heterogeneous Traffic Conditions*
• Sean Riley & Matt Hamel, DLZ Corporation, *Roundabout 3D Modeling*
• Amphone Soupharath, Vanasse Hangen Brustlin, Inc., *Integrating RSAs and 3-D Visualization Tools to Enhance Roundabout Design Process*

5:30 PM – 7:00 PM
Reception with Patrons

**Thursday, April 17**

7:00 AM – 4:00 PM
Registration

7:15 AM – 8:00 AM
Breakfast

8:00 AM – 9:45 AM
Breakout Sessions

Session times and dates subject to change.
5A) Pedestrian Design, Accessibility, and Driver Yielding Studies in the U.S. and Other Countries
Moderator: TBD
Presenters
- Bastian Schroeder, ITRE at N.C. State University, *NCHRP 3-78b Project Overview and Status - A Look Ahead at National Guidance for Making Roundabouts Accessible to Pedestrians Who are Blind*
- Hidekatsu Hamaoka, Akita University, Japan, *Comparison of the Head-Turning Behavior of Pedestrians in Japan*
- Janet M. Barlow, Accessible Design for the Blind, *Roundabouts and Pedestrians who are Visually Impaired*
- Katy Salamati, ITRE at N.C. State University, *A Cross-Cultural Study of Driver Yielding Behavior to Pedestrians at Roundabouts: An American-Portuguese Comparison*
- Wes Butch & Jeffrey S. Bagdade, DLZ National, Inc. & Opus International Consultants, *Modeling PHB's Using VISSIM at the Fuller Road Roundabout*

5B) Agency Policy Development for Roundabouts
Moderator: TBD
Presenters
- Martin Hétu, WSP Canada Inc., *Current Situation of Roundabouts in the Province of Quebec*
- Andrew Cibor, Ada County Highway District, Idaho, *Countywide Roundabout Right-of-Way Preservation Plan*

5C) Modeling Capacity, Calibrating, Performance and Operational Evaluation of Roundabouts – Individual Intersections and Corridors
Moderator: TBD
Presenters
- Andrea Bill, University of Wisconsin-Madison, *Operational Evaluation of Roundabouts at Ramp Terminals*
- Majed Al-Ghandour, NCDOT, *Experimental Analysis with a Scramble Large Volume of Pedestrians in Single-Lane Roundabout Slip Lane*
- Andrea Bill, University of Wisconsin-Madison, *Comprehensive and Numerical Calibration Guideline for VISSIM Roundabout Models*
- Wang Weiqi, Beijing University of Technology, China, *Exploration on Capacity Estimation of Roundabouts of Beijing, China*

Session times and dates subject to change.
9:45 AM – 10:15 AM  
**Break**

Poster Session 2 Opens – **Presenters Available**

10:00 AM – 11:45 AM  
**Guided Roundabout Tour – Separate Registration Required**

10:15 AM – 11:45 AM  
**Breakout Sessions**

6A) **International Perspectives – Roundabout Intersections**  
**Moderator:** TBD  
**Presenters**
- Werner Brilon, Ruhr-University Bochum, Germany, *Roundabouts: A State of the Art in Germany*
- Keith Boddy, Nova Scotia Transportation & Infrastructure Renewal, Canada, *Canadian Roundabouts - Practice Review*
- Hideki Nakamura, Nagoya University, Japan, *The State of the Art of Roundabout Implementation in Japan*
- Howard McCulloch, NE Roundabouts, *Status of Roundabouts in New York State*

6B) **Bicycle Design, Path Tendencies, and Accommodation of Vulnerable Users**  
**Moderator:** TBD  
**Presenters**
- Rachel Price, Reid Middleton, *Bike Lane Ends...Now What?*
- Hiroshi Kobayashi, National Institute for Land and Infrastructure Management, Japan, *Experimental Validation of Appropriate Bicycle Traveling Method in Urban Roundabouts*
- Brad Shea, HDR Engineering, *Pedestrian and Bicycle Accommodation at Roundabouts*
- Colin Ridding, Mott MacDonald, *Vulnerable Road Users at Roundabouts in the UK*

6C) **Accelerating Roundabout Implementation in the United States – FHWA TOPR 34**  
**Moderator:** TBD  
**Presenters**
- Katy Salamati & Nagui Rouphail, ITRE at N.C. State University, *Assessment of the Environmental Characteristics of Roundabouts*
- Bastian Schroeder, ITRE at N.C. State University, *Evaluation of Rectangular-Rapid-Flashing Beacons (RRFBs) at Multilane Roundabouts*

Session times and dates subject to change.

11:45 AM – 1:00 PM
Lunch

12:30 PM – 1:00 PM
Poster Session 2 Continues – Presenters Available

1:00 PM – 2:45 PM
Breakout Sessions

7A) Turbo Roundabouts and Unconventional Geometry Roundabouts
Moderator: TBD
Presenters
• Bill Baranowski, RoundaboutsUSA, Turbo Roundabout Design? - Redesign of Park City's 14 Year Old Deer Valley Roundabout
• Tim Murphy, Delcan Corporation, The Turbo Roundabout, A First in Canada
• Radoslaw Bak, Cracow University of Technology, Poland, Operational Problems and Capacity Analysis of Turbo Roundabouts – Polish Experiences
• Steven Chan, Transoft Solutions Inc., Design Vehicle's Influence to the Geometric Design of Turbo Roundabouts
• Tomaz Tollazzi, University of Maribor, Slovenia, Alternative Types of Roundabouts

7B) Organizational Structure for Delivering Innovative Roundabouts
Moderator: TBD
Presenters
• Dina Swires, Washington State DOT, Conceptual Design & Internal Traffic Design Process for Intersection Choice
• Chris Damitio, Washington State DOT, Project Development, Public Input & Delivery from a Design and Construction Project Engineer Perspective
• Kurt Stiles, Washington State DOT, Visual Communications (Design Visualization) During Project Development Stage
• Brian Walsh, Washington State DOT, The Road to Sustain Success and Project Concurrence

7C) Various Models/Tools that Support Roundabout Choice in Design, Environmental, and Network Arenas
Moderator: TBD
Presenters
• Antonio Pratelli, University of Pisa, Italy, Unconventional Roundabout Geometry for Large Vehicles or Space Constraints
• Rahmi Akcelik, SIDRA SOLUTIONS, Recalibration of a Vehicle Power Model for Fuel and Emission Estimation and its Effect on Assessment of Alternative Intersection Treatments

Session times and dates subject to change.
2:45 PM – 3:15 PM

Break

Poster Session 2 Continues – Presenters Available

3:15 PM – 4:45 PM

Breakout Sessions

8A) Mini-Roundabouts
Moderator: TBD
Presenters

• Michael A. Gingrich Sr., Alternative Intersection Control, Origins, Applications, and Examples of Double Mini Roundabouts
• Wei Zhang, FHWA, Mini-roundabout Case Studies
• Scott Ritchie, Roundabouts & Traffic Engineering, FHWA Mini Roundabout Study
• Marko Rencelj, University of Maribor, Slovenia, Slovenian Experiences with Mini Roundabouts and Assembled Roundabouts

8B) Unique Roundabout Applications – Case Studies PART 2
Moderator: TBD
Presenters

• Joseph C. Balskus, Tighe & Bond, Modern Roundabouts in CT - An Engineering Journey
• Tatsuo Takase, Shinshu University, Japan, Report on Pilot Project of Roundabout in Karuizawa Roppontsuji
• Kenneth Voigt, Ayres Associates, Challenges of Constructing Cheyenne’s First Dual Lane Five-Leg Roundabout

8C) Design Checks and Validation
Moderator: TBD
Presenters

• Patrick McGrady, Reid Middleton, Roundabout Relationships: Validating Your Design
• Michael J. Wallwork, Alternate Street Design, PA, Improving Roundabout Designs
• Mark Lenters, GHD Inc., Geometric Design Heuristics for Modern Roundabouts

Friday, April 18

7:00 AM – 10:00 AM

Registration

Session times and dates subject to change.
7:15 AM – 8:00 AM

Breakfast

8:00 AM – 9:30 AM

Breakout Sessions

9A) Citizen Activism, Engineering Outreach, and Elected Official Perspectives
Moderator: TBD
Presenters
- Jeannette Taylor, Jacobs Engineering, *Built It and They Will Come* - *Woodinville Tourist District Roundabouts*
- Rod Warner, US41Momentum, *Getting to "Want-It-NOW!" from "No-Way"
- Robert Dell-Ross, City of Roswell, Georgia, *Lessons Learned from Roswell's First Modern Roundabout*

9B) Evolution of Roundabout Practice in the United States – A Conversational Panel with Audience Participation
Moderator: TBD
Presenters
- Edward Myers, Kittelson & Associates, Inc.
- Ken Sides, City of Clearwater, Florida
- Howard McCulloch, NE Roundabouts
- Jeff Shaw, FHWA

Moderator: TBD
Presenters
- Patrick Fleming, Wisconsin DOT, *Shared Use Paths & Roundabout Sidepaths*
- Mark T. Johnson, MTJ Engineering, LLC, *Effective Lane Utilization with Flared Entry Design*
- Troy Pankratz, GHD Inc., *Design Considerations for 5 and 6 Leg Roundabouts*
- Yashi Tandon, National Capital Region Planning Board, India, *Designing Pedestrian Friendly Roundabouts in Rapidly Growing Cities of India*

9:30 AM – 9:45 AM

Break

9:45 AM – 11:00 AM

Session times and dates subject to change.
Breakout Sessions

10A) **Complexities of Multi-Lane Roundabouts and Safety**
Moderator: TBD
**Presenters**
- Andrew Plowman, WSB & Associates, Inc., *Safety Performances of Multi-Lane Roundabouts*
- Hillary Isebrands, FHWA, *The Multi-lane Roundabout PDO Dilemma*
- Mark T. Johnson, MTJ Engineering, LLC, *Optimizing Roundabout Safety and Operations*
- Sam Bobko, Hatch Mott MacDonald, *The Roundabout Was Supposed to Reduce Crashes. What Happened?*

10B) **Unique Roundabout Applications – Case Studies PART 3**
Moderator: TBD
**Presenters**
- Phil Weber, GHD Inc., *Freeway Termination Roundabouts*
- Pete Jenior, Kittelson & Associates, Inc., *Walnut Lane Traffic Circle Retrofit*
- Anne Sherwood, Halifax Regional Municipality, Canada, *North Park Street Roundabouts: A Halifax Urban Challenge*

10C) **Speed Management for Roundabouts**
Moderator: TBD
**Presenters**
- John Denholm III, Lee Engineering, LLC, *A Review of Speeds at Roundabouts in North Texas*
- Victor L. Salemann, Transportation Solutions Inc., *Case Study of a Rural Roundabout*
- Éric Dessureault, WSP Canada Inc., *High-Speed Roundabouts: Case Studies in Quebec*

11:00 AM – 12:15 PM
**Closing Plenary Session**

11) **Town Hall Roundabout Forum**

Session times and dates subject to change.
Session times and dates subject to change.