

MINUTES
2011 Task Force Annual Meeting
TRB Task Force on Roundabouts (ANB75T)

Monday, January 24, 2011 – 7:30-9:30 pm
Marriott Wardman Park (Harding), Washington, DC

TASK FORCE SCOPE: The TRB Roundabouts Task Force is concerned with all factors encompassing modern roundabouts. The Task Force provides focus within TRB on current issues and future research needs pertaining to modern roundabouts. It serves as a forum for discussions about roundabout research, projects, and policy for all interested stakeholders; identifies research needs and develops research problem statements to meet the needs; and facilitates the exchange of knowledge by various media, meetings, and conferences.

AGENDA:

- I. Call to Order (Gene Russell, Chair)
- II. Self Introductions (All present)
- III. Comments from the Chair (Gene)
- IV. Approval of Previous Minutes (Marcus Brewer, Secretary)
- V. TRB Report/Comments (Rick Pain, if/when Rick arrives)
- VI. 2011 National Conference Update (Gene, Mike McBride)
 - a. Promotion (Ken Sides, chair)
 - b. Session monitors/room monitors/evaluation forms
 - c. 2014 International Conference -Seattle
- VII. Subcommittee Reports:
 - a. Paper review (Gene)
 - b. Future Ideas: Human Factors workshop(s) (Janet Barlow or Fred Hanscom)
 - c. TF sponsored sessions: 2011 and future ideas (Brian Walsh/Hillary Isebrands)
 - d. Video Theatre: 2011 and future ideas (Brian Walsh)
 - e. Roundabout Case Studies 2011 & Future/Ideas (Mark Lenters)
 - f. TRB Research Needs Statements (Phil Demosthenes)
 1. National, NCHRP proposals
 2. Short, quick, TRB web site research ideas
 - g. Others (as needed/available) Subcommittee on Liaison??

- VIII. Frank Blackmore Award
 - a. Background (Mark Lenters)
 - b. Special Presentation at Conference (Mark Lenters)
 - c. Request for 2012 nominees

- IX. Agency Liaison Reports:
 - a. Access Board (Scott Windley)
 - b. NCUTCD (Lee Rodegerdts or others)
 - c. ITE (Hillary Isebrands)
 - d. AASHTO (Jim Brewer)
 - e. FHWA (Jeffrey Shaw, Mark Doctor, Ed Rice, Joe Bared and/or others)
 - f. NCHRP (Ray Derr or others)
 - g. Roundabout Guide status (Lee Rodegerdts)
 - h. TAC (Leanna Belluz)

- X. International Issues of Interest
 - a. Germany (Dr. Werner Brilon)
 - b. Australia (Andrew O'Brien)
 - c. New Zealand (Bruce Robinson)
 - d. Other?

- XI. Other Committee Liaisons as Available and Time Permits (or give report to secretary)
 - a. ANB20 Safety Data, Analysis and Evaluation, former parent committee (?)
 - b. ANF10 Pedestrian (Lois Thibault or others)
 - c. ADA70 Access Management (Phil Demosthenes)
 - d. AHB60 Hwy-Rail Grade Crossings (Gene Russell)
 - e. AHB50 Traffic Control Devices (Gene Russell)
 - f. AHB25 Traffic Signal Systems (?)
 - g. AHB65 Operational Effects of Geometrics (?)
 - h. ANF20 Bicycle Committee (?)
 - i. AHB40 Highway Capacity (Lee Rodegerdts)
 - j. ABE60 Accessible Transportation and Mobility (?)
 - k. ANB30 Operator, Education and Regulation (?)
 - l. Intersection Subcommittee (?)
 - m. Others (as available)

- XII. Ongoing/Upcoming Research
 - a. NCHRP 3-78A
 - b. FHWA
 - c. Kansas State

- XIII. Old Business
 - a. Inventory of roundabout locations (Lee Rodegerdts)
 - b. Other?

- XIV. New Business

- a. Mega poster session for 2012? 2012 Call for papers?
- b. Ideas and volunteers for added activities, new committees
- c. Other?

XV. Next Meetings

- a. Web Meeting between April 15 and May 1
- b. International Conference, Carmel, IN (Tuesday Evening, May 18)
- c. Mid-Year Meeting likely at ITE Annual Meeting, August 13-16, St Louis, MO

XVI. Open for Attendee Comments or Questions

XVII. Adjourn

MINUTES:

- I. Call to Order.** Meeting called to order by Gene Russell at approximately 7:31 PM.
- II. Self Introductions.** Self introductions were made by all in attendance. An attendance sign-up sheet / e-mail verification sheet was distributed (see Attachment 1); 67 people were in attendance.
- III. TRB Report (Rick Pain).**
 - First time this year that papers are not distributed by DVD; all papers are available online through the TRB Annual Meeting website. Access will be provided to conference attendees for at least one year, and a limited number of DVDs will be provided to state DOTs, librarians, and TRB sponsors. Non-attendees may pay for online access to papers for a limited time. TRB is looking for feedback on how/whether to continue access to papers after one year, and whether the online format is preferred by attendees over a DVD.
 - Once again expect to reach 10,000 in attendance; have already exceeded 10,800 in registration.
 - There were a record 3,900 papers submitted, with about 2,300 accepted for presentation (40% podium, 60% poster).
 - Next year's meeting is tentatively scheduled for Jan 22-26.
- IV. Approval of Previous Minutes.** Phil Demosthenes made a motion, seconded by Jim Brewer, to approve the minutes of the mid-year meeting and summer and winter web meetings; motion carried.
- V. 2011 National Conference Update (May 18-20).** (Gene Russell, Mike McBride)
 - There were 126 abstracts received by TRB, plus five more received by Gene.
 - The tentative program shows three concurrent tracks. There will be roughly 93 presentations in podium sessions, plus 2 poster sessions for about 37 additional poster presentations.

- Expected to have an INDOT Commissioner and Associate FHWA Administrator Joe Toole as part of the opening plenary session, as well as James Brainard, mayor of Carmel.
- Still some details to work out with TRB to get the registration website online, by February 4th or soon after.
- Details have also been worked out with hotels to finalize the conference lodging.
- Plans are being made to have two optional pre-conference workshops on Tuesday, May 17: Mini-Roundabouts (Clive Sawyer) in the morning and Roundabouts 101 (Phil Demosthenes and others) in the afternoon. The Mini Roundabouts workshop will require an additional \$75 fee; the Roundabout 101 will be included in the registration fee.
- During the conference, Janet Barlow will again lead a field workshop on blind users of roundabouts.
- There will also be a group activity to the Indianapolis Motor Speedway for the conference banquet, as well as other technical and group tours ancillary to the program.
- Ken Sides is looking for ideas, personnel, and resources to put toward promotion, particularly related to promoting the conference among a wider audience outside that within the Task Force and listserv community.
- There will be opportunities for sponsors to have tabletop displays at the conference and contribute to offsetting conference costs.
- Gene is looking for volunteers to moderate conference sessions, particularly if they are state DOT personnel. Richard Retting suggested an award program to recognize DOTs that are particularly involved/active in roundabout implementation.
- ITE is a co-sponsor of the conference, and they will also be using their resources to promote the conference to its members in general, as well as targeted marketing to specific councils and task forces that are especially relevant to the topics addressed at the conference.
- Currently available information is posted on the Task Force website (<http://sites.google.com/site/trbtaskforceanb75t/>), and future links and resources will be posted there as they become available.

VI. Subcommittee Reports.

- Paper Review and TF-sponsored sessions (Gene/Hillary/Brian). Record number of 18 papers received, 13 accepted for publication (5 in Podium Session 606, 7 in Poster Session 735, 1 in another committee's poster session). These were in addition to the invited session (#515) entitled "Changing the Roundabout Paradigm". The Best Paper Award for 2010 was presented to George X. Lu, Fang Guan, and David A. Noyce for their paper "Simulation Study of Access Management at Modern Roundabouts: Pedestrian Crosswalk Treatments".
- Video Theatre and Case Studies (Brian Walsh/Mark Lenters). The two events will be held from 9:00 AM to 3:00 PM in the Marriott Taft and Taylor rooms.
- Future Ideas: Human Factors workshop(s) (Janet Barlow or Fred Hanscom). They are looking for suggestions of topics for a Human Factors Workshop for 2012. Human Factors Workshops are full-day ticketed workshops on the Sunday at the beginning of TRB. Each workshop is limited to about 25 attendees and the registration includes a luncheon. Workshops are small group sessions, so the idea is to stimulate discussion among the attendees. Submissions need to suggest a title, a short workshop description,

and possible speakers (speaker confirmations are due later). Ideas need to be submitted to the planning committee by May 1, so submissions need to be sent through the TF in advance of the deadline. Contact Janet (jmbarlow@accessforblind.org) with other ideas and suggestions.

- Research Needs (Phil Demosthenes). Current/Upcoming: Roundabouts in Series, Life Cycle Costs of Roundabouts. There remains a great need for new research needs statements (RNS) to submit through the TF to TRB. NCHRP problem statements are due September 15. Synthesis statements are due in mid-February. At a minimum, RNS need a project title, a couple of paragraphs describing the problem, and a couple of paragraphs describing the benefits to designers, practitioners, etc. The initial round of 13 RNS that were submitted in 2008 are due to rotate off the TRB submittal list; those and others are welcome to be submitted in this cycle. It is anticipated that there will be a discussion of potential research topics at the 2011 Conference. Likely ways to get research accomplished will be through shorter, less-comprehensive projects that could be conducted by graduate students through their university research process. Another potential avenue is through partnerships with other TRB committees and with contacts in state DOTs.

VII. Frank Blackmore Award (Mark Lenters).

- Background on Award
- Discussion of Nominee for award to be presented at 2011 Conference. Gene expressed plans to give Ken Todd a special Blackmore Award in connection with the May roundabout conference and asked if there were any objections. There were none; therefore it will be done in absentia as it is unlikely he can attend.
- Request for 2012 nominees; award criteria will be sent out following the Annual Meeting

VIII. Agency Liaison Reports.

- General need for reviewing the list of liaising committees and agencies for currency of interest and contact information. Bastian agreed to work with Gene on this effort; any updates to information should be sent to both Bastian and Gene.
- Access Board (Janet Barlow for Scott Windley)
 - Notice of Proposed Rulemaking for Revised Draft PROWAG will be published in March or April after OMB review. Public comment period will begin upon publication.
- NCUTCD (Lee Rodegerdts)
 - Interest from Signals Technical Committee and Railroad Tech Committee, particularly with respect to pre-emption issues near RR grade crossings.
- ITE (Hillary Isebrands)
 - ITE Roundabout Task Force will meet Tuesday 4:30-6:00 PM (Thomas Paine Room), to discuss ITE Draft Policy Statement on Roundabouts. Document will be sent through the Traffic Safety Council for advancement and approval.
 - Spring Technical Conference will be in Lake Buena Vista, FL in April; a roundabout conversation circle focused on DOT/FHWA experiences will be among the topics on the program.
 - ITE TF will meet at the Spring Technical Conference and at the 2011 TRB Roundabout Conference.

- AASHTO (Jim Brewer)
 - Current Green Book balloting; plan for printing in May 2011.
 - Willing to share Conference information with DOT design engineers to promote attendance when it is made available.
- FHWA (Jeff Shaw)
 - Memo on NCHRP 672
 - Make sure to emphasize in conversations with others that this is the “new” Roundabout Guide.
 - Kickoff of the Roundabouts Peer-to-Peer Program is underway. If you have an issue on which you would like peer assistance, call the P2P Hotline at (866) P2P-FHWA (866-727-3492) or send an e-mail to roundaboutsP2P@dot.gov. A P2P website is coming soon. If you are interested in being a peer, contact Jeff, Richard Retting, or Marcus Brewer.
 - Roundabouts Toolbox project is almost complete. It reviews a list of “successes” and catalogs six particular case studies to use as a reference for practitioners. Once the Toolbox goes live, they will be looking for help to promote its use and to suggest additional case studies.
 - Posted the DVD on “Modern Roundabouts – A Safer Choice” to YouTube, still plenty of copies available for distribution.
 - (Joe Bared) Review of signing at multilane roundabouts resulted in a preference for overhead signs at entry.
- Roundabout Guide status (Lee Rodegerdts)
 - The new Roundabout Guide has been published as NCHRP Report 672, which is now available via the TRB website.
- NCHRP (Ray Derr)
 - Organizing a webinar on the Roundabout Guide on May 9.
- NCHRP 3-78A (Bastian Schroeder)
 - The revised final report was submitted to panel and published as NCHRP 674 (http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_674.pdf), with Appendices B-N published as NCHRP Web-Only Document 160 (http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_w160.pdf). The research team is awaiting results of a request for continuation.
- TAC Report (Leanna Belluz)
 - The TAC multi-lane roundabout signs and marking project is completed. The recommendations of inclusions into the MUTCDC have been approved by the Chief Engineers' Council.
 - The TAC Geometric Design Standing Committee initiated a funded project to develop a Canadian Bilingual Roundabout Guide. Once enough funds are collected from jurisdictions, the project will start up.
 - A hands-on roundabout workshop is being organized for the TAC 2011 Annual Conference taking place in Edmonton in September.
 - Transport Canada is in the process of publishing a second roundabout brochure. This brochure will be on the topic of how to use a multi-lane roundabout.

IX. International Issues of Interest.

- Germany (Werner Brilon)

- Just finished research project on Turbo Roundabouts, leading to new design guidelines.
- Australia (Andy O'Brien)
 - Revision of roundabout material in the new series of Austroads design guides; changes in approach to accommodation of cycling (advisory rather than mandatory) and in attitudes on use of signals in favor of roundabouts, or that roundabouts are an interim solution to signalization.

X. Other Committee Liaisons.

- AHB40 Highway Capacity (Lee Rodegerdts)
 - HCM is still expected to be released in March.
- ANF10 Pedestrian (Dave Guth)
 - Continued interest in wayfinding issues for non-sighted pedestrians.
- Joint Intersection Subcommittee
 - They will be forming a new working group on innovative intersection designs.

XI. Ongoing Research.

- NCHRP 3-89, Design Guidance for Channelized Right-Turn Lanes
- Pooled Fund Study on Superloads on Roundabouts, based at KSU. Updates provided on Pooled Fund website.

XII. Old Business.

- Inventory of roundabout locations: continue to send information on locations to Lee Rodegerdts or complete the forms on the Inventory Database section of Kittelson's roundabouts website (<http://roundabout.kittelson.com/>).

XIII. Next Meeting.

- Possible Web Meeting between April 15 and May 1
- International Conference, Carmel, IN (possibly joint with the ITE Roundabout Task Force), Tuesday evening, May 18
- Mid-Year Meeting likely at ITE Annual Meeting, August 13-16, St Louis, MO

XIV. Adjourn. The meeting was adjourned at approximately 9:45 PM.

ADDENDUM: Post-Meeting Comments

- Attendance lists from Video Theatre (59 attendees) and Case Studies (35 attendees) sessions are provided in Attachments 2 and 3, respectively.

Minutes taken and typed by Marcus A. Brewer.

Attachment 1 – Meeting Attendance List

<u>Name</u>	<u>Affiliation</u>
Gene Russell	Kansas State University
Marcus Brewer	Texas Transportation Institute
Robert Rescot	University of Kansas
Mark Doctor	FHWA
Andrew O'Brien	O'Brien Traffic
Brian Walsh	Washington State DOT
Jeffrey Shaw	FHWA
Hermanus Steyn	Kittelson & Associates
Ray Derr	TRB
Alison Mills	University of Texas at Austin
Rachel Price	Reid Middleton
Vaughan Inman	SAIC
James Foster	Mobile County, AL
Philip Demosthenes	Consultant
James O. Brewer	Kansas DOT
Hillary Isebrands	FHWA
Ken Sides	City of Clearwater, FL
Richard Retting	Sam Schwartz Engineering
Errol C. Noel	Howard University
Bastian Schroeder	ITRE, NC State University
Lee Rodegerdts	Kittelson & Associates
Leanna Belluz	Transport Canada
Dae Kim	Western Michigan University
Richard Long	Western Michigan University
Robert Wall Emerson	Western Michigan University
David Guth	Western Michigan University
Dongxi Zheng	University of Wisconsin at Madison
Mark Johnson	MTJ Engineering
Alek Pochowski	Georgia Tech
Chris Tiesler	Kittelson & Associates
Pete Jenior	Kittelson & Associates
Tom Mason	Cheyenne, WY MPO
Victor Salemann	David Evans & Associates
Joseph Glowitz	PS&E
Randy Johnson	PTV
Andrew Paul	Massachusetts DOT – Highway
Leah Ness	Ayres Associates
Daniel Shihundu	Transoft Solutions
Karen Giese	PTV
Hardik Shah	American Structurepoint
James Dunlop	North Carolina DOT
Kelvin Cheu	University of Texas at El Paso
Katy Salamati	ITRE, NC State University

Mark Taylor
Phil Rust
Daniel Spann
Michael Mastaglio
Wen Hu
Keith Knapp
David Engstrom
Majed Al-Ghandour
Cornell Robertson
Mark Lenters
Ram Jagannathan
Said Easa
Ed Rice
Craig Parks
Ting Wei
Ed Stollof
Lukas Franck
Justin Bansen
Werner Brilon
Howard McCulloch
Srinu Mandavilli
Janet Barlow
John Habermann
Mike McBride

FHWA
Ada County, ID Highway District
RPM Transportation Consultants
RK&K Engineering
Insurance Institute for Highway Safety
Iowa LTAP
FHWA
North Carolina DOT
Franklin County, OH Engineer's Office
Ourston Roundabout Engineering
VHB
Ryerson University
FHWA
American Structurepoint
American Structurepoint
ITE
The Seeing Eye
Kittelson & Associates
Ruhr – University Bochum
New York State DOT
Traf solutions
Accessible Design for the Blind
Indiana LTAP / Purdue University
City of Carmel, IN

Attachment 2 – Roundabouts Video Theatre Attendance List

<u>Name</u>	<u>Affiliation</u>
Mitch Anderson	Stearns County, MN Highway Department
Scott Thayer	Michigan DOT
Dongxi Zheng	University of Wisconsin at Madison
Kazunori Munehiro	Civil Engineering Research Institute (CERI)
Mike Griffith	FHWA
Werner Brilon	Ruhr – University Bochum
Phil Rust	Ada County, ID Highway District
Tony Grancola	NACO
Gene Russell	Kansas State University
Brian Walsh	Washington State DOT
Hillary Isebrands	FHWA
Mark Johnson	MTJ Engineering
Mark Lenters	Ourston Roundabout Engineering
Edwin Lau	Hong Kong Police Force
Bob Newberry	Wisconsin DOT
Joseph Luca	Genivar Consulting
Nicholas Weatherdon	Transport Canada
Andrew Paul	Massachusetts DOT – Highway
Christos Rados	RACE Consulting
Leonidas Pitsikas	RACE Consulting
Thomas Rados	RACE Consulting
Dennis Eyler	SRF Consulting
Alfonso Montella	University of Naples
Mariano Perneti	Second University of Naples
Patricia Jackson-Ward	Wisconsin DOT
Leanna Belluz	Transport Canada
Rick Grochoske	City of Charlotte, NC DOT
Sascha Westerman	Hamburg Port Authority
Daniel Spann	RPM Transportation Consultants
Dallas Hammit	Arizona DOT
Alek Pochowski	Georgia Tech
Massimo Losa	University of Pisa
Todd West	West Virginia DOT
Michael Mastaglio	RK&K Engineering
Jim Brewer	Kansas DOT
Jim Gattis	University of Arkansas at Fayetteville
Marcus Brewer	Texas Transportation Institute
Cornell Robertson	Franklin County, OH Engineer’s Office
Mirella Villani	Villani Civil Engineers
Neil Paulley	TRL
Robert Rescot	University of Kansas
Claudia Piras	University of Cagliari
Francesco Pinna	University of Cagliari

Azuma Takemoto
David Wessel
James Dunlop
Rachel Price
James Foster
Fuminori Tanekura
Chris Tiesler
Brian Porter
Mike Reese
Stephen Young
Tom Mason
Corey Hull
Jeff Zaharewicz
Pete Jenior
Daniel Shihundu
Mike McBride

Civil Engineering Research Institute (CERI)
City of Flagstaff, AZ
North Carolina DOT
Reid Middleton
Mobile County, AL
MLIT, Japan
Kittelson & Associates
AECOM
North Carolina DOT
North Carolina DOT
Cheyenne, WY MPO
Valdosta, GA MPO
FHWA
Kittelson & Associates
Transoft Solutions
City of Carmel, IN

Attachment 3 – Roundabouts Case Studies Attendance List

<u>Name</u>	<u>Affiliation</u>
David Wessel	City of Flagstaff, AZ
Gene Russell	Kansas State University
Victor Salemann	David Evans & Associates
Lee Rodegerdts	Kittelson & Associates
Kazunori Munehiro	Civil Engineering Research Institute (CERI)
Brian Porter	AECOM
Craig Parks	American Structurepoint
Mike Pratt	Texas Transportation Institute
Jonathan Tydlacka	Texas Transportation Institute
Tom Mason	Cheyenne, WY MPO
Dongxi Zheng	University of Wisconsin at Madison
Corey Hull	Valdosta, GA MPO
Joseph Luca	Genivar Consulting
Edwin Lau	Hong Kong Police Force
Nicholas Weatherdon	Transport Canada
Sean McGee	McGee & Associates
Andrew O'Brien	O'Brien Traffic
Pete Jenior	Kittelson & Associates
Patricia Jackson-Ward	Wisconsin DOT
Ricardo Rossi	University of Padova
Gregorio Gecchele	University of Padova
Bastian Schroeder	ITRE, NC State University
Dallas Hammit	Arizona DOT
K. Al-Emadi	Ashghal
Dennis Eyler	SRF Consulting
Dave Henkel	RW Armstrong
Leanna Belluz	Transport Canada
Alek Pochowski	Georgia Tech
Marcus Brewer	Texas Transportation Institute
Mirella Villani	Villani Civil Engineers
Richard McReynolds	McReynolds Research, LLC
Rick Grochoske	City of Charlotte, NC DOT
Lew Pratsch	Commuter Solutions
JD King	Fayette County, IA
Jim Brewer	Kansas DOT