

**MINUTES
TRANSPORTATION RESEARCH BOARD
Business Meeting – ADC30
Committee on Ecology and Transportation (ADC30)
Business Meeting
January 15, 2013 3:45 p.m. – 5:30 p.m. (EST)
Hilton – Monroe
Minutes**

Prepared and Submitted by:

**Marcia Bowen
Secretary ADC30**

Marcia Bowen

Marcia Bowen

January 2013

TRB ADC 30
Committee on Ecology and Transportation
Annual Business Meeting

Introduction: The meeting was called to order at 3:53. Alex introduced members, friends, and guests and encouraged folks to sign the meeting attendance roster and indicate if they were willing to be a paper reviewer.

Approval of the minutes: Alex asked for any corrections to the minutes from the summer business meeting and subsequent July and December conference calls. The calls focused on research needs, which need to be finalized and posted to the website. Alex thanked CTE for hosting our website. Marcia moved to approve the minutes, Lars Carlson seconded and they were unanimously approved. Marcia will send the minutes to Chris Gesing for posting.

TRB Update (TR News, Rotations, recognitions, etc.)

Bob O'Loughlin (FHWA), Environment and Energy Section Chair, gave an update on TRB news. He said that last year we had 11,000 participants, which was a record then. We expect to exceed 11,000 this year. The theme for next year is, *Transportation Research: Celebrating Our Legacy, Anticipating Our Future*. TRB is recommending that the committees look at their history particularly their research history. The meeting will be held January 12-16 2014. In 2015, the meeting will be held in early January at the Convention Center, with the Washington Marquis hotel. No shuttles will be needed. The Center is close to the Metro station, with free wireless internet access and more space.

Bob said that the technical activities council had met earlier. Paper submittals are growing at more than 10% per year, which is creating a challenge for staff and some committees. Some committees are getting more than 150 papers to review. Interim measures may include being more stringent on format guidelines. TRB is welcoming non-traditional stakeholders and is offering complimentary registration to them, with hopes of a definite role on the committee or at one of the sessions. Bob asked us to give Alex our recommendations.

A workshop on research needs was held on Sunday. Bob wants to keep the momentum going on this and will work with Alex. The goal is to get at least one statement funded in each committee.

The section is sponsoring a TR News issue to be published in Sept/Oct. The title is Environmental Sustainability: Improving the Quality of Life. Draft articles are due in March.

Recognitions for 2012 and New Members in 2012 – Bob and Alex gave out Certificates of Recognition: Julianne Schwarzer was recognized for her role in championing the TR News issue. Other folks were recognized: Bethany Williams for helping with mid-year meeting (Bethany was not present); Ian Chidister, who helped with call for papers (also not present); Bethaney Bacher-Gresock; Bridget Donaldson, who spearheaded paper reviews; Chris Gesing for continuing to maintain our website; and Marcia Bowen, who publishes the newsletter and maintains email communications.

Christy Gerencher, Senior Program Officer & Staff Representative gave an update on TRB news. Christy said that TRB is requiring a committee rotation. The National Academy requires a complete rotation every three years plus there is a nine-year term limit, so 1/3 of our committee will be renewed. Alex needs to know which members are interested in remaining and if there are friends that wish to be members. Membership has benefits beyond building resumes including reduced registration fees and free TR News as well as untold, unknown benefits. There are openings on the committee. Members are selected at the discretion of the committee chair. TRB has rules for committee member selection that emphasize geographic and employment diversity, international membership, with a minimum of duplication. Chris offered that ADC10 has a questionnaire that they use, which offers objectivity in the selection process. Christy recommended that potential members offer how they would like to contribute to the Committee. Preliminary estimates of meeting attendance range from 11,500 -11,700 perhaps as much as 12,000. Deb Nelson suggested trend analysis in terms of focus areas as well as attendance demographics.

2013 Annual Meeting Round-up and Program Discussion – Alex Levy/Moderators

- Workshop #128: Effective Practices to Develop Research Needs Statements and Funding Opportunities (Sun. 9:00 am- Noon). This was a well attended workshop. There was an emphasis on brevity and clarity on research needs statements. Tools were discussed that identify research in progress by many agencies (FHWA, AASHTO SCOE). Joe Burns mentioned the USFS wildlife crossing toolkit.
- Co-sponsored Sessions 229 & 276; Two-part session on the effects of noise on wildlife (Mon. 8:00 am- Noon). The first was mainly terrestrial and the second focused on aquatic/barotrauma. The sessions were well attended and had seven co-sponsors.
- Poster Mega-Session 557; Current Issues in Transportation and the Environment (Tues. 10:15 pm- Noon). Joe Burns and USFS helped generate a new poster for our committee. It is mainly together and should include membership list (including affiliations), mission, and research needs/interests/in progress. Alex requested for a volunteer or volunteers to redo and refresh the poster in time for ICOET (June) and the call for papers. Deb recommended a more generic poster that doesn't have to be updated every year and that members be listed in the newsletter. Daniel Smith offered to take that on and put in format that is easily updated. Alex will send out an outline that was generated previously. Dan will solicit the committee for existing photos or new ones. Patrick McGowen will try to find the original document (the tiff file was found but it can't be edited). Deb recommended that we try to get some good photos. Dan recommended we develop a 11 X 17 handout as well.
- ADC10 Committee on Environmental Analysis (Tues. 1:00 pm- 3:15 pm). This meeting discussed at length how to cast a wider net and bring in more papers.
- Session 713: Current Ecology & Transportation Research (Wed. 8:00 – 9:45 am)
- ANB20-2 Animal-Vehicle Collision Subcommittee (Wed. 10:15 pm- Noon, Hilton Northwest). Patrick indicated that this is a subcommittee of this committee and Safety and Analysis subcommittee. Their committee gets over 100 papers. He tries to get reviewers from both committees. David Jared and Patrick are stepping down as co-chairs. They have selected Fraser Shilling UC Davis and Keith

Knapp. They will be looking for a communications coordinator, so they asked for interested persons to let them know.

- Co-sponsored Session 788: Collaborative Decisionmaking Tools from SHRPII: Transportation for Communities – Advancing Projects through Partnerships and Integrated Ecological Framework (2:30 – 4:00 pm). This is a spotlight session that is looking at new tools including TCAP and integrated ecological framework, along with example pilot projects. Shannon Cox will give an overview that expands on the mid-year meeting. Marlys said that FHWA is heavily leveraging work that came out of SHRPII and trying to increase its use. Incentives and funding will be part of the FHWA work plan. One of the key drivers for Ecological was involving ecologists earlier in the process. TCAP continues this process, and emphasizes data availability.

Paper Review Update – Bridget Donaldson said that three papers were selected from the five we received and will be presented in session 713 tomorrow, 8-9:45 in Columbia room. One paper, box turtle relocation, was selected for publication as a paper. Bridget asked to let her know if you are willing to review papers and your areas of expertise. She would like a minimum of five reviewers per paper.

Communication - Marcia Bowen said that one newsletter had been prepared and a second was in preparation. She had not received many articles and asked for contributions. She also has prepared minutes and kept the email list up to date. She participated in a CCC (committee communications coordinator) webinar on conference calls and webinars and thought these new tools offered by TRB will improve our conference call capabilities. A Website update was given by Chris Gesing. He thanked CTE for supporting the website. He asked members to check the TRB website and make sure that the information (address, email, telephone) is current. Chris said that research needs should be published shortly. Amanda Hardy asked if anyone has used Facebook or other social media. Alex indicated that TRB was suggesting google groups. Others felt LinkedIn was an alternative and more logical for a professional organization.

Liaison – Lars Carlson asked for input on other committee meetings attended or committees known about and he will send to Marcia for the newsletter.

Research – Patricia Cramer was unable to attend so discussion for finalizing research needs statements will be taken up in a future conference call.

Triennial Strategic Plan – Alex Levy/Others. Alex will be communicating about this via email. The current version is on the website. It will be updated to show what we have accomplished and what is still to be accomplished. Annual report is due March 1 and triannual report is due April 1.

Agency and Organization Updates

CTE :James Martin shared that ICOET will be June 23-27 at Westin in Scottsdale. 200 abstracts have been submitted for papers and posters. The program review committee is finalizing the program. Joe Burns got Michael Soulé as a guest speaker, one of the foundations of conservation biology and founder of Society of Conservation Biology. Field trips are planned by AZ DOT Todd Williams and will include Sedona, SR 260 Elk crossing, and the Grand Canyon to examine mitigation done by AZ DOT. Registration is open. Deb Nelson said that the conference blends ecology and engineering and the committee has worked hard to have sessions that appeal to a broad range of practitioners. The conference always brings a dynamic and energized group representing 27 countries.

FHWA: Marlys Osterhuus discussed MAP21 and in particular its provision for programmatic mitigation. There is a lot of detail in the legislation. FHWA is continuing its emphasis on Every Day Counts (EDC). There is a major focus on programmatic agreements related to natural resource areas on a regional basis, such as the programmatic collaborations on Indiana bat. The environmental excellence award nomination is due Feb 1. Stormwater/water quality is also a focus. FHWA has an ecologist position opening at HQ with resume due on Thursday.

Wildlife Conservation Society: Amanda Hardy is now working as the Assistant Director of the North American Program (NAP) of the Wildlife Conservation Society (WCS; <http://www.wcsnorthamerica.org/>), with the mission of “saving wild animals and wild places, and inspiring future generations to continue this mission”. WCS conducts scientific field studies and collaborates with communities to help address wildlife conservation issues in >60 countries in Asia, Africa, Latin and North America. The NAP has several programs that intersect with transportation-related issues:

- In our Arctic/Beringia program, WCS is collaborating with stakeholders to mitigate conflicts between marine mammals and shipping routes that are shifting as a result of changing ice floes due to climate change; further, we are collaborating to proactively establish oil spill disaster preparedness plans that protect wildlife. WCS also has conducted years of field research quantifying the effects of oil/gas infrastructure (including roads) and associated anthropogenic activities on nesting birds in their summer habitats.
- In the Greater Yellowstone Ecosystem,
 - WCS is currently studying moose and bear movements across Hwy 20 in Idaho in order guide efforts to mitigate animal-vehicle collision and connectivity issues in the Island Park, Idaho region.
 - WCS has conducted 5 years of GPS collar studies of pronghorn migration movements to map the “Path of the Pronghorn”, the longest remaining terrestrial mammal migration (~100 miles between Grand Teton National Park and the Upper Green River Valley) in the lower 48 states. These data were used by Wyoming DOT and Fish and Game and other collaborators to install overpasses (2) and underpasses (6) to facilitate ~4,000-5,000 pronghorn crossing over/under US Hwy 191 during spring and fall migration. WCS is monitoring pronghorn migration movements through these structures; lessons learned there will be helpful in another effort to mitigate barrier impacts associated with I-15 in Idaho where WCS research mapping GPS collar movement data of pronghorn has revealed that the interstate is an apparent barrier to migration movements.
 - WCS has done CircuitScape connectivity modeling using grizzly bear and wolverine data to identify habitat movement corridors in the High Divide region between the Greater Yellowstone and the Salmon/Selway ecosystems. We are collaborating with a variety of stakeholders on public and private lands to facilitate the conservation and restoration of high quality habitats in these corridors and we are in the process of identifying opportunities to mitigate potential conflicts between transportation infrastructure (I-15, state highways, county/private roads) and wildlife using these corridors.
- In the Adirondacks, WCS has been collaborating with stakeholders in NY and VT via the “Staying Connected” and “Common Ground” initiatives; this program has led to several

communities self-identifying corridor habitats and incorporating language into their planning initiatives.

Finally, related to the recent RFP from FHWA regarding transportation-related climate change adaptation projects, WCS oversees the largest Climate Change Adaptation regranting program in the US, funded by the Doris Duke Charitable Trust.

- **USFS:** Joe Burns said he is interested in the identification of ecosystem performance measures or ecological indicators/reference points that can be used to characterize the current environmental condition or to evaluate the effects of transportation on the environment. Additionally, he is interested in translating these ecological performance measures or indicators so they are relevant to other transportation planning considerations such as impacts to historic properties or environmental justice populations. He would like to stimulate discussion among ADC30 members and friends with similar interests.

The Ecology and Transportation Committee was formed, at least in part, to better understand the relationships between transportation system and projects and the ecosystems in which those projects occur. Now that the Nation's transportation system is primarily complete, there is a need to rebuild aging infrastructure, upgrade existing components to add capacity or adapt to meet different or multimodal needs. He invites transportation ecologists to explore opportunities to re-design transportation systems that keep pace with the Nation's transportation needs while restoring ecological conditions lost by earlier designs. He encouraged ADC30 members to reach out to other TRB committees. He serves as a member of the ABJ60 Geographic Information Sciences and Applications Committee as a co-lead for the Environment and Planning subgroup. His focus is using geospatial tools and application to better understand and communicate ecological implications of transportation systems to decision-makers.

The Strategic Highway Research Program 2 (SHRP2) has a series of research efforts underway to address these interests. He would like to discuss these and other efforts with members and friends of the Ecology and Transportation Committee to see how we might advance and apply these efforts through interdisciplinary dialogues and coordination with other TRB committees.

Wrap-up and Reminders:

- ADC30 Summer Meeting at ICOET June 23-27, 2013 - Scottsdale, Arizona
- TRB 93rd Annual Meeting will be held January 12-16, 2014
- 2014 IENE – Oslo, Norway (TBA)

TRB TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

Committee Meeting Attendance Roster

Committee: Ecology + Transportation (ADC 30)
 Committee Chair: Alex Levy
 Date: 1/15/13 Time: _____ Location: _____

Name	Joffrey Ultee	Member		Young Professional (Age 35 or younger)
Organization	Georgia Institute of Technology	Yes	No	Yes
Email/Phone	jultee3@gatech.edu 908-642-2811	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Name	CHRIS GESING	Member		Young Professional (Age 35 or younger)
Organization	MICHAEL BAKER JR., INC.	Yes	No	Yes
Email/Phone	cgesing@mbakercorp.com / 724-495-4276	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Name	MARCIA BOWEN	Member		Young Professional (Age 35 or younger)
Organization	Normandeau Associates	Yes	No	Yes
Email/Phone	mbowen@normandeau.com	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name	LARS CARLSON	Member		Young Professional (Age 35 or younger)
Organization	JACOBS ENGINEERING	Yes	No	Yes
Email/Phone	Lars.Carlson@Jacobs.com	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name	James Martin P	Member		Young Professional (Age 35 or younger)
Organization	CTE/NC State University	Yes	No	Yes
Email/Phone	jbm@ncsu.edu	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name	Julianne Schwarzer	Member		Young Professional (Age 35 or younger)
Organization	USDOT Volpe Center	Yes	No	Yes
Email/Phone	julianne.schwarzer@dot.gov / 617 494 3259	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Name	Bridget Donaldson	Member		Young Professional (Age 35 or younger)
Organization	VDOT - Research Center	Yes	No	Yes
Email/Phone	bridget.donaldson@vdot.virginia.gov	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name	Debra Nelson	Member		Young Professional (Age 35 or younger)
Organization	NYS DOT	Yes	No	Yes
Email/Phone	Debra.Nelson@dot.ny.us	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Name	Marlys Osterhues	Member		Young Professional (Age 35 or younger)
Organization	FTWD, Office of Project Development	Yes	No	Yes
Email/Phone	osterhues@dot.gov marlys.osterhues@dot.gov 202-366-2052	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Name	Sarah Barnum	Member		Young Professional (Age 35 or younger)
Organization	Normandean Associates	Yes	No	Yes
Email/Phone	sbarnum@normandean.com 603.637.1157	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Name	Xinjun Wang	Member		Young Professional (Age 35 or younger)
Organization	China Academy of Transportation Sciences	Yes	No	Yes
Email/Phone	Xinjun.Wang1981@gmail.com	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Name	Todd Williams (would like to join)	Member		Young Professional (Age 35 or younger)
Organization	Arizona Dept. of Transportation	Yes	No	Yes
Email/Phone	twilliams@azdot.gov / 602-712-8272	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name	Amanda Hardy	Member		Young Professional (Age 35 or younger)
Organization	Wildlife Conservation Society	Yes	No	Yes
Email/Phone	ahardy@wcs.org / 406-522-9333 x 115	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name	Eric Antrim	Member		Young Professional (Age 35 or younger)
Organization	Bureau of Land Management (USDOI)	Yes	No	Yes
Email/Phone	eantrim@blm.gov / 202-912-7045	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Name	Kate Kurgan	Member		Young Professional (Age 35 or younger)
Organization	AASHTO	Yes	No	Yes
Email/Phone	kkurgan@aaashto.org 202-624-3635	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Name	Daniel Smith	Member		Young Professional (Age 35 or younger)
Organization	Univ. of Central Fla, Dept of Biology	Yes	No	Yes
Email/Phone	daniel.smith@ucf.edu	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name	Jimmy Kagan	Member		Young Professional (Age 35 or younger)
Organization	Institute for Natural Resources, Oregon State University	Yes	No	Yes
Email/Phone	jimmy.kagan@oregonstate.edu	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Name	Joseph Burns	Member		Young Professional (Age 35 or younger)
Organization	U.S. Forest Service ARJ 60-member	Yes	No	Yes
Email/Phone	jburns@fs.fed.us 202-999-0970	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name	Mark Kross	Member		Young Professional (Age 35 or younger)
Organization	consultant	Yes	No	Yes
Email/Phone	mark.kross@emburgmail.com 573-636-5145	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Name	Shawn Smith	Member		Young Professional (Age 35 or younger)
Organization	Ministry of Transportation of Ontario (MTO)	Yes	No	Yes
Email/Phone	shawn.smith@ontario.ca / 416-235-3598	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Name	Jeff Mast	Member		Young Professional (Age 35 or younger)
Organization	U.S. Fish and Wildlife Service - Northeast Region	Yes	No	Yes
Email/Phone	jeffrey_mast@fws.gov 413-253-8638	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Name	DIANNA F. NOBLE	Member		Young Professional (Age 35 or younger)
Organization	CONSULTANT	Yes	No	Yes
Email/Phone	txdotnoble@yahoo.com / 512 809 8226	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Name	Edward Little	Member		Young Professional (Age 35 or younger)
Organization	USGS	Yes	No	Yes
Email/Phone	elittle@usgs.gov 573-876-1817	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Name	Lewison Lem, Ph.D.	Member		Young Professional (Age 35 or younger)
Organization	Jack Faucett Associates	Yes	No	Yes
Email/Phone	Lem.JFA@gmail.com (415)525-6163	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Name	PULKIT PARIKH - M.S. STUDENT	Member		Young Professional (Age 35 or younger)
Organization	PURDUE UNIVERSITY	Yes	No	Yes
Email/Phone	parikh8@purdue.edu 765-430-0287	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Name	Scott Marler	Member		Young Professional (Age 35 or younger)
Organization	Iowa DOT	Yes	No	Yes
Email/Phone	scott.marler@dot.iowa.gov	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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Name	Organization	Member	Young Professional (Age 35 or younger)
BRIAN SAYRE Join COMMITTEE?	DEWBERRY ENGINEERS	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Email/Phone: bsayre@dewberry.com 973-576-9637			
JEANETTE MAR Friend - PR	FHWA - DCUMAR DIVISION OFFICE	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Email/Phone: jeanette.mar@dot.gov 410-779-7152			
ANDREW ALDEN	VA TECH TRANS. INSTITUTE	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Email/Phone: aalden@vti.vt.edu 540-231-1526			
Pat McGovern	WTS - MSU	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/>
Email/Phone: PatM@coe.montana.edu			
Jeffrey Lidicker	Michigan Technological University	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Email/Phone: lidicker@mtu.edu / jlidicker@yahoo.com			
Shannon Cox	ICF International Interested in joining, PR	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>
Email/Phone: Shannon.Cox@icfi.com			
		Member	Young Professional (Age 35 or younger)
		Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/>
		Member	Young Professional (Age 35 or younger)
		Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/>
		Member	Young Professional (Age 35 or younger)
		Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/>

what to say?