Notes from the Chair

Tom Linkous, Chair

This year has been an extraordinarily busy one for me and from discussions with many Task Force members and friends, I am not alone. I have been trying to shoehorn work on TRB business between learning the ropes at the Ohio Department of Natural Resources and participating in the many activities of the Division of Natural Areas and Preserves. With the Midyear Meeting coming up and initial work on the Annual Meeting there has been little time left for helping get material ready for this newsletter. My apologies are due to Marcia for being one of the latest in providing my article.

Special Note: The Annual Meeting of TRB is from January 22 to 26 for 2006 which is a couple of weeks later than usual.

We have several programs under development for the Annual Meeting in January. I started working on what I expected to be a session on transportation noise issues for wildlife and quickly discovered that there are several other topics with important new developments which may warrant time on our program agenda. We may end up with a conference session on important new developments in the ecology and transportation field. An update from ICOET may be rolled into this session. We will also be looking to field a paper session, perhaps in association with the Committee on Environmental Analysis in Transportation. We are also a part of a Workshop on wildlife and transportation on Sunday before the main sessions which as usual will begin Monday.

I am looking forward to ICOET and beginning the final preparations for the travel. San Diego was very nice from both an amenities and a weather perspective last year. The program is looking very strong and you will find more information on the program in this newsletter. I urge you to try to get to ICOET if you can.

I want to emphasize that we need assistance to develop the proposal to TRB for the Task Force on Ecology and Transportation to become a full Standing Committee in the Technical Activities Division. A write up of history, current activities and future goals is needed to support this effort. Mary Gray and I are looking for a couple of people to help with this. A following article provides a little more detail and contact information for those willing to assist.

On the Road to Stewardship... In San Diego!

There’s a lot of excitement in the air as we prepare for a high energy conference in San Diego beginning August 29. The synergy of ecology and transportation happens every other year and we TRB Task Force members get that much needed inspiration from the research world- that influx of ideas and new research helps us form our research needs statement. Sponsored by CalTrans and the Road Ecology Center at UC Davis, the theme is “On the Road to Stewardship” and promises to again be packed with the latest research developments. Those of us who were at the ADC conference last August can testify that San Diego is a marvelous venue for a conference- even better than last year because we are on the water. This newsletter includes all of the details on the conference. If you haven’t reserved yet, be sure to do so right away.

On the Road... from Task Force to Committee!

One of the Task Force’s most important goals is to achieve standing committee. Our plan is to have our material together by the 2006 annual meeting that documents our achievements. Milestones include: good programs at both the mid year and annual meetings, active liaison with other groups, peer review of TRB papers, and proposal and acceptance of research topics. We have been very active as a task force, so the process should be straightforward. Anyone who could take on this task should contact Tom Linkous.
From the TRB Technical Activities Division...

Committees Provide Input on Updating TRB Critical Issues

As directed by the TRB Subcommittee on Planning and Policy Review (SPPR), committee chairs were asked to include the update of the TRB Critical Issues as an agenda item for discussion at their January 2005 meetings in Washington, and then to submit any input they may have through a special TRB website by early February. More than 60 committees responded, generating approximately 100 pages of input. The input received was subsequently reviewed and in some cases supplemented by the Groups and Sections. A summary was provided to the SPPR in March, and was forwarded to all Group/Section/committee chairs in June.

The TRB Executive Committee and its SPPR have been using this input as they continue to develop the update to the TRB Critical Issues document. The following issues are currently being considered for inclusion in the updated version:

- Increasingly congested facilities across all modes;
- Continued accessibility challenges;
- Extraordinary energy and environmental challenges;
- Inadequate financing;
- 20th century institutions facing 21st century challenges;
- Vulnerability to terrorist strikes;
- Lost leadership in road safety; and
- Enormous stock of facilities to maintain.

The update is expected to be complete and available in time for the TRB 2006 Annual Meeting in January.

Transportation 2025, Interstate 50th Themes for 2006 Meeting:

The TRB 2006 Annual Meeting spotlight theme will be “Transportation 2025: Getting There From Here.” As part of this theme, it is expected that sessions will be developed that look beyond today’s research results to what the transportation could and should look like over the next 20 years. Sessions will also address the updated TRB critical issues, transportation as part of future trends (economic, technology, etc.), accountability and performance, and the Technical Activities Council cross-cutting issues. A sub-theme for the meeting will be the 50th Anniversary of the Interstate Highway System, with a focus on what we have learned over the years from research generated for and by the Interstate, and where do we go from here. Alan Pisarski and the TRB History Committee have offered assistance to any committee that wishes to sponsor a session on this theme.

Liaison News

Marine Environmental Task Force is on a parallel track to ours. At their mid-year meeting in Boston, the focus was on attaining standing committee status. This energetic group has identified and ranked environmental issues that it deems most important. The top three are:

1. Environmental economics- quantify the costs of maritime pollution, both direct impacts (physical, chemical, biological, and ecological impacts on marine biota and habitats). Also quantify (through modeling and other means) the costs to industry of preventing and failing to prevent the same impacts.
2. Ship-sourced pollutants- identify and evaluate cost-effective means of reducing ship-sourced oily and gaseous pollutants, including scrubbing, separation, storage, clean-up technologies, surveillance, enforcement and compensation regimes.
3. Invasive species- design and implement systems to minimize transfers of invasive species including comparison of environmental and economic risks of various strategies and technologies; focus on ballast water exchange and hull fouling, but other vectors may be of concern.

Other significant issues include air quality, performance measures, costs/benefits of alternatives types of dredging, underwater sound impact assessment, EMS, and environmental windows- many parallels to our Task Force and parent committee. All agreed that the process identified in the TRB publication 262 (A Process for Setting, Managing, and Monitoring Environmental Windows for Dredging Projects) needs to be revisited and taken to the next level, from process to performance.

Webmaster Needed

As we move towards becoming a full committee, we find that a website is key to improve our communication. Thanks to CTE, we have a great opportunity to “piggyback” on the ADC30 (aka “Environmental Analysis in Transportation) website. In order to get this off the ground, we need two types of volunteers. We need someone to help to pull material together for the website- in the beginning, just items like our minutes, mission statement, etc. CTE will do the heavy lifting. The second type of volunteer would be someone with a flare for web design who could help us make this site a destination for web-surfers. Those interested should contact Tom Linkous.
The task force has issued a call for papers for the 2006 annual meeting is entitled “Reconciling marine transportation and marine ecosystem health: research in support of a maritime stewardship of the marine environment”.

The Committee on Environmental Impacts of Aviation reports that it has generated a long list of research priorities. Many show the commonalities that link all of the environmental task forces and committees. Of interest to the Task Force and parent committee:

1. Environmental process: new approaches- looking at the space between the points or other nonlinear approaches;
2. Impact metrics and performance measures;
3. Endangered and invasive species;
4. Bird/aircraft strike hazards;
5. Natural resources stewardship.

The Task Force on Transportation Needs in National Parks and Public Lands is planning a workshop at the 2006 annual meeting entitled Highways and Wildlife. The workshop will provide transportation officials, highway engineers, transportation planners, safety engineers and environmental planners a better understanding of how wildlife and fisheries issues can be integrated into planning, engineering, design and maintenance of highways. The workshop will be divided into sessions addressing planning, engineering and design practices. Participants will get a basic understanding of the current state of the art and how the transportation community is integrating wildlife and fisheries issues into highway programs, as well as where to get technical assistance.

Upcoming Meetings

Environmental Stewardship: Fact or Fiction?- September 11-14, 2005 in Santa Fe, New Mexico.

Sponsored by our parent committee, ADC10 (Environmental Analysis in Transportation), along with the Historic and Archeological Preservation (ADC50) and Native American Transportation Issues (ABE80) committees, this conference will serve as a forum to review and critique streamlining and stewardship efforts from around the country. The benefits and problems associated with these efforts will be examined from the perspective of tribes, the public and environmental and transportation professionals.

Green Highways Forum - September 26-29, 2005 in College Park, Maryland.

The goals of this exciting program are two-fold: to showcase prime examples of stewardship and sustainability in transportation planning, design, construction and maintenance, and to refine the definition of Green Highways and begin to develop a voluntary Certification Program. Elements of Green Highways include use of recycled material, industrial by-products, and biofuels in construction; stewardship practices in maintenance; environmental management systems.

Registration Fee: Register on-line at www.wetlandsworkgroup.org.

Deer Vehicle Crash Reductions: Setting a strategic agenda.

The Deer-Vehicle Crash Information Clearinghouse is sponsoring a national meeting in Madison, WI at the Madison Concourse Hotel on October 24-25, 2005. This meeting will bring together leading researchers, transportation and ecology professionals, AAA officials and insurance company representatives to develop a strategic agenda that will guide future activities and policies related to deer-vehicle crash reduction.

In 2000 a similar meeting was held that helped produce a dramatic increase in deer-vehicle crash reduction activities. Attendees at the 2005 meeting will

- Review the progress from action items proposed in 2000
- Listen to internationally-known speakers involved with recent/ongoing projects
- Work within focal groups to propose strategic action plans to guide future deer-vehicle crash activities related to
  - Research and Data Collection
  - Funding
  - Partnership Building
  - Technology Transfer and Education

For more information, visit www.deercrash.com
# The 2005 International Conference on Ecology & Transportation
San Diego, CA
August 29 – September 2, 2005
Theme: “On The Road To Stewardship”

### Sunday, August 28

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<th>Time</th>
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<tr>
<td>2:00-5:00 PM</td>
<td>Conference Registration and Check-In</td>
<td>North Foyer</td>
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<td>5:00-6:00 PM</td>
<td>Exhibit Set Up</td>
<td>Terraza Ballroom</td>
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### Monday, August 29

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<th>Time</th>
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<tr>
<td>7:00-8:30 AM</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:30-9:15 AM</td>
<td>Conference Welcome and Opening Remarks</td>
<td>Plenary</td>
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<td>8:30-9:15 AM</td>
<td>Business Meetings</td>
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<tr>
<td>9:15-10:00 AM</td>
<td>Session 1: Update on Federal and International Activities (speakers tbd)</td>
<td>Plenary</td>
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<td>10:00-10:30 AM</td>
<td>Break</td>
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<td>10:30 AM-12:00 PM</td>
<td>Session 2: Cross-Cutting Session – ICOET 2005 Sneak Preview!</td>
<td>Plenary</td>
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- Environmental Retrofit for Highways: Making Habitat a Priority  
  (Paul Wagner, Washington State DOT)
- Science-Based Approach to Adaptive Management of the Trans-Canada Highway Corridor in the Canadian Rocky Mountain Parks  
  (Tony Clevenger, Western Transportation Institute, USA)
- Maine’s Beginning with Habitat Program and Transportation Partnership  
  (Barbara Charr, Maine Audubon, USA)
- Wildlife Tunnels and Fauna Bridges in Poland: Past, Present, and Future  
  (Jadwiga Brodziewska, Suwalki, Poland)
- Species Conservation Banking: A New Business-Friendly Option for Protecting Endangered Species  
  (Jessica Fox, EPRI Solutions, Inc., USA)

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<td>12:00-1:30 PM</td>
<td>Lunch (on own)</td>
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<tr>
<td>1:30-3:00 PM</td>
<td>Session 3A: Integrating Transportation and Resource Conservation Planning – Conservation Banking</td>
<td>Concurrent</td>
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- On the Road to Conservation Planning: State Conservation Strategies and Applications for Transportation Planning  
  (Patricia White, Defenders of Wildlife, USA)
- Integrating Transportation with Regional Conservation Planning  
  (John DiGregoria, US Fish and Wildlife Service, USA)
- Oregon DOT’s Habitat Value Approach to Compensatory Mitigation Debit/Credit Calculations  
  (Bill Ryan, Oregon DOT, USA)
- SANDAG’s TransNet Environmental Mitigation Program  
  (Janet Fairbanks, San Diego Association of Governments, USA)

### Session 3B: Context Sensitive Solutions – Integrating Community Values with Conservation Objectives

- Integrating Community Values and Fostering Interagency Collaboration Through Outreach with Interactive GIS Models  
  (Michael McCoy, University of California at Davis, USA)
- Quick Fixes: Working Together to Address Herptile Road Mortality in New York State  
  (Debra Nelson, New York State DOT, USA)
- Applying Sustainability in Oregon’s Bridge Delivery Program  
  (Casey Nolan, Portland State University, USA)
- Bayview Avenue Extension, Richmond Hill, Ontario. Habitat Creation and Wildlife Crossings in a Contentious Environmental Setting - A Case Study  
  (Geoffrey Garthorne, Ecoplans Limited, Canada)
Session 4A: Aquatic and Marine Ecosystems

- Calvert Test Bed: Fish Passage Research Facility (Christopher May, Battelle PNNL, USA)
- Restoration of Aquatic Habitat and Fish Passage Degraded by Widening of Indian Highway 58 in Garhwal Himalaya (Ramesh Sharma, Garhwal University, India)
- Role of Geomorphic River Reach Assessments in Developing Environmentally Beneficial Highway Protection Measures (Jennifer Black Goldsmith, Herrera Environmental Consultants, USA)

Session 4B: Transportation Corridor Vegetation Management

- Mitigation for Dormice and their Ancient Woodland Habitat Alongside a Motorway Corridor (Warren Cresswell, Cresswell Associates, United Kingdom)
- Response of Acacia Species to Soil Disturbance by Roadworks in Southern New South Wales (Peter Spooner, Charles Sturt University, Australia)
- New Ecological Approach for Vegetation Management of Quebec Highways (Yves Bedard, Ministère des Transports du Quebec, Canada)
- High Altitude Revegetation Experiments on the Beartooth Plateau (Lex Payson, ERO Resources Corporation, USA)

Tuesday, August 30

7:00-8:30 AM  Continental Breakfast
Business Meetings

8:30-10:00 AM  Session 5A: Acoustic Ecology – Terrestrial and Avian Issues (Sponsored by UC Davis Road Ecology Center)

- Bioacoustic Profiles: Evaluating Potential Masking of Wildlife Vocal Communication by Highway Noise (Edward West, Jones and Stokes, USA)
- Evaluating and Minimizing the Effects of Pile Driving on the Marbled Murrelet (Brachyramphus marmoratus), a Threatened Seabird (Emily Teachout, US Fish and Wildlife Service, USA)
- Other invited presentations, tbd

Session 5B: Wildlife Impacts and Conservation Solutions - Herpetofauna

- Amphibian Road Kill: A Global Perspective (Miklos Puly, Hungarian Danube Research Station of the Institute of Ecology and Botany, Hungary)
- Effects of Road Mortality on a Population of Painted Turtles in Montana and the Potential to Minimize These Effects with Barrier Fencing (Kathy Griffin, University of Montana, USA)
- Factors Influencing the Road Mortality of Snakes on the Upper Snake River Plain, Idaho (Denim Jochimsen, Idaho State University, USA)
- How Do Highways Influence Snake Movement? Behavioral Responses to Roads and Vehicles (Kimberly Andrews, University of Georgia, USA)
10:00-10:30 AM  Break / Poster Session Set Up
10:30 AM-12:00 PM  Session 6A: Acoustic Ecology – Aquatic Issues

- Barotrauma Injury of Physostomus and Physoistrous Fish by Non-Explosive Sound and Pressure Cycling
  (Thomas Carlson, Barrette-Pacific Northwest National Laboratory, USA)
- Other invited presentations, tbd

Session 6B: Wildlife Impacts and Conservation Solutions – Large Mammals

- Modeling Highway Impacts Related to Grizzly Bear Core Habitat and Connectivity Habitat in the Greater Yellowstone Ecosystem Using a Two-Scale Approach
  (Lance Craighead, Craighead Environmental Research Institute, USA)
- Evaluation of Principal Roadkill Areas for Florida Black Bear
  (Stephanie Simel, Florida Fish and Wildlife Conservation Commission, USA)
- Effects of Highways on Elk Habitat in the Western United States and Proposed Mitigation Approaches
  (Bill Ruediger, Western Consulting Resources, USA)
- Monitoring Effects of Highway Traffic on Wild Reindeer by Satellite
  (Bjørn Juell, Norwegian Public Roads Administration, Norway)

12:00-1:30 PM  Lunch (on own) / Poster Session Set Up
1:30-3:00 PM  Session 7A: Poster Session

Session 7B: Streamlining in Washington State

- Transportation Permit Efficiency and Accountability Committee
  (Barbara Aberle, Washington State DOT, USA)
- Use of a Multi-Agency Permitting Team
  (Christina Martinez, Washington State DOT, USA)
- Web-Based Permitting in Washington
  (Scott Boettcher, Washington State Department of Ecology, USA)
- WSDOT Programmatic Permit Program
  (Gregor Myhr, Washington State DOT, USA)

3:00-3:30 PM  Break
3:30-5:00 PM  Session 8A: Poster Session (cont’d)

Session 8B: Context Sensitive Solutions – Integrating Community Values with Conservation Objectives

- Improving Mobility for Wildlife and People: Transportation Planning for Habitat Connectivity in Washington State
  (Paul Wagner, Washington State DOT, USA)
- Connecting Values, Process and Project Design: Twinning the Trans-Canada Highway in Banff National Park of Canada
  (Terry McGuire, Parks Canada, Canada)
- Environmental Imperatives and the Engineering Interface:
  How to Make Hard Decisions
  (Martin Jalkotzy, Golder Associates, Ltd., Canada)
- Case Study in Context Sensitive Design in Transportation Planning
  (Kenneth Dears, McCormick Taylor, Inc., USA)
Wednesday, August 31

7:00-8:00 AM
Coffee/Muffin To-Go Station
Pick up box lunches for field trips

8:00 AM-5:00 PM
Transportation Challenges in Coastal San Diego County
(Field Trip Option #1)

This trip will begin with a stop at the South Bay Unit of the San Diego National Wildlife Refuge. With 90-100% of submerged lands, intertidal mudflats, and salt marshes eliminated in the north and central San Diego Bay, the South San Diego Bay refuge, dedicated in 1999, will preserve and restore the remaining wetlands, mudflats, and eel grass beds to help ensure the survival of the bay’s thousands of migrating and resident shorebirds and waterfowl. The bay supports numerous endangered and threatened species of plants and animals and is a vital link to other wildlife areas. All of the refuges in the San Diego Refuge Complex have been designated “Globally Important Bird Areas” by the American Bird Conservancy; the South San Diego Bay Refuge was recently designated as a Western Hemisphere Shorebird Reserve site.

The tour will proceed north along the Silver Strand, a narrow neck of land that connects the mainland to Coronado “Island” and separates San Diego Bay from the Pacific Ocean. From Coronado, the tour will head across the Bay on the Coronado Bridge, and then up the coast on I-5. This leg of the trip will explore the challenges and opportunities for collaboration and stewardship on the 26-mile-long North Coast Corridor Project, and will include a picnic lunch on the beach.

Heading east, participants will visit the Pilgrim Creek Mitigation Bank, which is managed by Caltrans.

Returning south on I-15, participants will see the effects and restoration challenges posed by the devastating 2003-04 wildfires, which were followed by the torrential rains of 2004-05.

8:00 AM-5:00 PM
Transportation Challenges in Inland San Diego County
(Field Trip Option #2)

This trip will focus on environmental challenges and opportunities addressed by recent transportation and mitigation projects in inland San Diego County. The tour will begin in southern San Diego County with a review of two projects near the international border. This leg of the tour will include some large vernal pool mitigation sites, as well as review of design features and mitigation measures to facilitate wildlife movement in the Otay Mesa area.

The tour will then head north on SR-84, where participants will see the effects and restoration challenges posed by the devastating 2003-04 wildfires. The next stop will be the Rancho Jamul Ecological Reserve, operated by the California Department of Fish and Game. This site is an important component of the Multiple Species Conservation Program (MSCP) multi-habitat preserve system in southwestern San Diego County, supporting large areas of coastal sage scrub, annual grasslands and riparian habitat. The Reserve is adjacent to the Otay-Sweetwater Unit of the San Diego National Wildlife Refuge.

After a picnic lunch and tour at the Reserve, the tour will head north and east to view wetlands mitigation sites along SR-56, as well as bridges over wildlife corridors.

6:00-9:00 PM
Mission Bay Beach Barbecue

Hosted By: Caltrans

Sponsored Event
Thursday, September 1

7:00-8:30 AM  Continental Breakfast
8:30-10:00 AM  Business Meetings

Session 9A: Streamlining, Stewardship, and Sustainability

- Species Conservation in Idaho: Going Beyond the Endangered Species Act
  (Brent Inghram, FFWA-Idaho Division, USA)
- Temporal Loss of Wetlands as Justification for Higher Mitigation Ratios
  (Paul Garrett, FHWA Headquarters, USA)
- Addressing the ‘Scenic’ in the Wild and Scenic River Act
  (Michael Hughes, RESOLVE, USA)
- Oregon Department of Transportation’s OTIA III Bridge Program:
  400 Bridges – One Biological Opinion
  (Michael Bonoff, Mason, Bruce, & Girard, Inc., USA)

Session 9B: Wildlife Crossings – Planning, Selection, Placement, and Monitoring for Effectiveness

- Wildlife Crossings in North America:
  The State of the Science and Practice
  (Patricia Cramer, Utah State University, USA)
- How Many Days to Monitor a Wildlife Passage? Species Detection Patterns and the Estimation of Vertebrate Fauna Using Crossing Structures in a Motorway
  (Juan Malo, Universidad Autonoma de Madrid, Spain)
- The Design, Installation and Monitoring of Safe Crossing Points for Bats on a New Highway Scheme in Wales
  (Stephanie Wray, Creswell Associates, United Kingdom)
- Highway Underpass Use by Large Mammals in Virginia and Factors Influencing their Effectiveness
  (Bridget Donaldson, Virginia Transportation Research Council, USA)

Session 9C: Animal-Vehicle Collision Prevention and Reduction

- Upgrading a 1.64km Section of Highway in Prime Moose Habitat: Where, Why and How to Reduce Moose-Vehicle Collisions
  (Yves Leblanc, Teconsult, Inc., Canada)
- Evaluation of Highway Modifications in Reducing Key Deer Mortality Along the US 1 Corridor
  (Rod Lopez, Texas A&M University, USA)
- What Features of the Landscape and Highway Influence Ungulate Vehicle Collisions in the Watersheds of the Central Canadian Rocky Mountains? A Fine-Scale Perspective
  (Kari Gunson, Parks Canada, Canada)
- A Probabilistic Approach to Estimating Road Lethality
  (John Waller, National Park Service, USA)

10:00-10:30 AM  Break / Poster Session Set Up
Session 10A: Integrating Transportation and Resource Conservation Planning – Conservation Planning

- The Missing Linkages Project: Restoring Wildland Connectivity to Southern California
  (Paul Beier, Northern Arizona University, USA)
- Linking Colorado’s Landscapes
  (Julia Kintisch, Southern Rockies Ecosystem Project, USA)
- Incorporating Results from the Prioritized “Ecological Hotspots” Model into the Efficient Transportation Decision Making (ETDM) Process in Florida
  (Daniel Smith, University of Central Florida, USA)
- The Swiss DeFragmentation Programme
  (Antonio Righetti, Swiss Agency for the Environment, Switzerland)

Session 10B: Wildlife Impacts and Conservation Solutions – Small Mammals

- Addressing Habitat Fragmentation Impacts From Construction of a New Highway
  (Marion Carey, Washington State DOT, USA)
- Modeling the Effect of Roads and other Disturbances on Wildlife Populations in the Peri-Urban Environment to Facilitate Long-Term Viability
  (Dror Ben-Ami, University of New South Wales, Australia)
- Walking at Height
  (Hans Bekker, Ministry of Transport, The Netherlands)
- Effectiveness of Rope Bridge Overpasses and Faunal Underpasses in Providing Connectivity for Rainforest Fauna
  (Miriam Goosorn, Rainforest CRC, Australia)

Session 10C: Animal-Vehicle Collision Prevention and Reduction

- OPTIFLUX: A Tool for Measuring Wild Animal Population Fluxes for the Optimization of Road Infrastructures
  (Philippe Thiévent, SCETAUROUTE - Groupe EGIS, France)
- Use of Video Surveillance to Assess Wildlife Behavior and Use of Wildlife Underpasses in Arizona
  (Jeffrey Gagno, Arizona Game and Fish Department, USA)
- Effects of Gender on Spatial and Temporal Patterns of Deer-Vehicle Collisions
  (Uma Ramakrishnan, Juniata College, USA)
- The Reliability of the Animal Detection System Along HWY 191 in Yellowstone National Park, MT
  (Marcel Huijser, WTI-Montana State University, USA)

12:00-1:30 PM  Keynote Luncheon
Featuring: Dr. Bruce Leeson, Head, Environmental Assessment Sciences Division, Parks Canada - Western Region

1:30-3:00 PM  Session 11A: Poster Session

Session 11B: Integrating Transportation and Resource Conservation Planning – Landscapes & Road Networks

- Corridor Analysis for Transportation and Environmental Planning via Land Cover Mapping and Species Distribution Modeling
  (Michael McCoy, University of California at Davis, USA)
- Does the Configuration of Road Networks Influence the Degree to which Roads Affect Wildlife Populations?
  (Jochem Jaeger, Swiss Federal Institute of Technology, Switzerland)
- Integrating Traffic, Network Location, and Surrounding Habitat to Create a Connected Landscape
  (Richard T.T. Forman, Harvard University, USA)
- The Ecologically Ideal Road Density for Small Islands: The Case of Kinmen, Taiwan
  (Shyh-Chyang Lin, National Kinmen Institute of Technology, Taiwan)
Session 12B: Wildlife Crossings – Planning, Selection, Placement, and Monitoring for Effectiveness

- How Far into a Forest Does the Effect of a Road Extend? Defining Road Edge Effect in Temperate Australia (Zoe Pascick, Victoria, Australia)
- Ecological Impacts of SR 200 on the Boss Prairie Ecosystem (Daniel Smith, University of Central Florida, USA)
- Railroad Crossing Structures for Spotted Turtles (Steven Pelleiter, Woodlot Alternatives, Inc., USA)
- Spotted Turtle Use of a Culvert under Relocated Route 44 in Carver, Massachusetts (Delia Kaye, Vanasse Hangen Brunlin, Inc., USA)

Friday, September 2

7:00-8:30 AM Continental Breakfast

8:30-10:00 AM Business Meetings

Session 13A: Integrating Transportation and Resource Conservation Planning – Science and Partnerships Concurrent

- A GIS-Based Identification of Potentially Significant Wildlife Linkage Habitats Associated with Roads in Vermont (John Austin, Vermont Fish and Wildlife Department, USA)
- Connecting Transportation and Wildlife Habitat Linkages Through Partnerships, Planning and Science Near Los Angeles, California (Ray Sauvajot, National Park Service, USA)
- Sierraville (California) Highway 89 Stewardship Team: Ahead of the Curve (Sandra Jacobson, USDA Forest Service, USA)
- Washington State DOT Highway Maintenance: Environmental Compliance for Protected Terrestrial Species (Tracie Caslin, Washington State DOT, USA)

Session 13B: Wildlife Ecology and High Speed Rail (Sponsored by Defenders of Wildlife)

- *Speakers tbd.* The purpose of this session is to discuss past, present, and proposed high speed rail projects in the context of interactions with ecology and lessons learned, and to allow further examination of the proposed California High Speed Rail project.

10:00-10:30 AM Break

10:30-11:30 AM Session 14: What’s Coming Up? (Speakers tbd) Plenary

11:30AM-12:00 PM Session 15: Conference Wrap-Up, Session Highlights (Leroy Irwin, Facilitator) Plenary

12:00 PM ICOET 2005 Adjourns