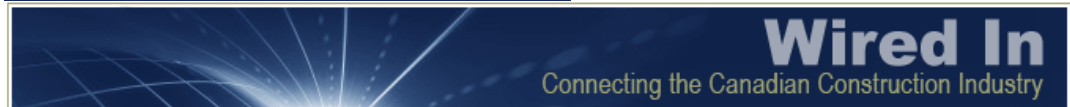
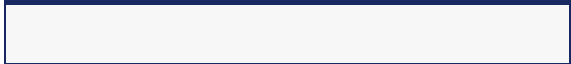




DCN ARCHIVES



Transportation/Trucking – January 10, 2011

Wildlife Safety near Superhighways is Focus of Unique International Design Competition

TORONTO AND NEW YORK, Jan. 10 /CNW/ - Can migrating wildlife such as cougars and elk coexist with North America's high-speed superhighways? Canadians will have special interest when an answer to that question is presented in Washington, D.C., on January 23rd as the winner is announced in the first-ever competition of its kind titled **ARC: The International Wildlife Crossing Structure Design Competition**.

The goal of this unique challenge -- issued to landscape architects, transportation and structural engineers and ecologists worldwide -- is to solve a worsening dilemma on roadways everywhere: dangerous collisions between wildlife and vehicles. Its creators and sponsors chose a site with real and serious problems of animal movement along the heavily-travelled **West Vail Pass** on busy Interstate Highway 70 near the ski centre of Vail, Colorado.

I-70 bisects a critical habitat of a thick mountain forest heavily populated with wide-ranging species including black bears, cougars, bobcats and lynx, coyote, elk, deer and marten. In five spectacular designs, landscape architects have created large, landscaped convex arcs which appear as a habitat continuous with the surrounding forest and promise to allow the wildlife species to move safely over I-70. The five designs can be viewed by the public at the competition's website -- www.arc-competition.com/finalists.php.

While this competition focuses on the West Vail Pass, the applications elsewhere are clear, as is the inspiration. Canada has long dealt with the problem of wildlife/vehicle collisions and the system of crossings near Banff, Alberta is viewed as among the world's best and most successful. There are now 41 crossing structures along 75 km of highways including six overpasses. Alberta wildlife ecologist and research scientist **Tony Clevenger**, who is one of the world-renowned jurors for the competition, says ARC is intended to inspire imitation worldwide. "Banff is the world leader in wildlife crossings but they're in a static mould and the price of the structures keeps going up and up. The ideas brought forward in this competition are making us think about how to build these structures in new ways."

In the U.S., the always-dangerous crashes between wildlife and motor vehicles have grown by 50 per cent in the last 15 years, according to the Federal Highway Administration, with estimates as high as two million collisions annually and a staggering cost both financially and to human health and safety. Canada is also seriously challenged by the problem. Crossings for wildlife have also been created throughout Europe and in Asia and Australia. It is expected the winning design of the ARC competition will inspire other structures as well as revolutionize and popularize the notion of crossing structures given the exacting criteria which include cost-effectiveness, ecological sensitivity, sustainability and high standards of human and animal safety.

Among the five finalists, who will each be awarded \$15,000 for the excellence of their designs, are the teams lead by Toronto Landscape Architecture firm, **Janet Rosenberg & Associates** and the

MOST POPULAR STORIES

- University of Waterloo's plans go over the top — literally
- Construction continues on Trump International Hotel and Tower in Toronto
- 'Business as usual' for Infrastructure Ontario and Ontario Realty Corporation
- VIDEO: The case for greener concrete
- Church steel frame project takes a roof-down approach
- 20 Most Popular Stories

TODAY'S TOP CONSTRUCTION PROJECTS

These projects have been selected from **303** projects with a total value of **\$2,753,038,866** that Reed Construction Data Building Reports reported on Monday.

- POLICE HEADQUARTERS FACILITY**
\$60,000,000 Niagara Reg ON Prebid
- CONDOMINIUM BUILDING**
\$30,000,000 Etobicoke ON Prebid
- SOLAR ENERGY FACILITIES**
\$20,000,000 Smiths Falls ON Prebid

Daily Top 10

CURRENT STORIES

- Ontario PC leader Tim Hudak pledges stable construction funding in speech to Ontario Road Builders' Association
- Toronto Construction Association negotiating with ADR Institute of Ontario to offer dispute-resolution discount
- Construction continues on office building in Richmond Hill, Ontario
- Change in LEED certification process raises concern
- Construction continues on South Beach condos in Etobicoke, Ontario

team headed by HNTB Engineering with **Michael Van Valkenburgh & Associates** of New York. Both Rosenberg and Van Valkenburgh are engaged in the revitalization of Toronto's waterfront. **The first prize design team will be awarded \$40,000.**

The ARC competition has already inspired those concerned with wildlife and with transportation to look for a better future for both migrating wildlife and for the travelling public whose roadways compromise habitat and are exposed to dangerous collisions. Parks Canada has expressed interest in the five finalists submissions to help in the design of new wildlife crossings over key sections along the Trans-Canada Highway through the Canadian Rockies. The competition attracted entries from 36 teams drawing on the expertise of 100 professional firms spanning nine countries worldwide.

A presentation by the five finalists and the selection of the winner will held from 1:30 p.m. to 4:30 pm on Sun. Jan. 23 during a special workshop as part of the Transportation Research Board's 90th Annual Meeting which attracts more than 12000 transportation specialists from around the world. The event is held in the Cordozo Room of the Washington Hilton near Dupont Circle, 1919 Connecticut Avenue, Washington, DC.

FACT SHEET ON ARC COMPETITION (See www.arc-competition.com for complete lists, background materials, photos)

Competition is backed by more than 25 major organizations in the US and Canada providing a wide range of services including leadership, funding, research, and public endorsement. Organizations include the Woodcock Foundation; Western Transportation Institute at Montana State University; Edmonton Community Foundation; US Dept of Transportation; US Forestry Service; US Dept of the Interior, Bureau of Indian Affairs; Western Environmental Law Centre; Y to Y (Yellowstone to Yukon); Canadian Pacific; Parks Canada; and the Western Governors' Wildlife Council, to name only a few.

Five Finalists teams are led by the following firms. Complete list of team members and illustrated versions of their submissions are on the ARC Competition website. www.arc-competition.com/finalists.php.

- **Balmori Associates, New York**
- **The Olin Studio, Philadelphia**
- **Janet Rosenberg & Associates, Toronto**
- **HNTB Engineering with Michael Van Valkenburgh and Associates, New York**
- **Zwarts & Jansma Architects, Amsterdam**

Members of the Jury are:

Charles Waldheim (Jury Chair), John E. Irving Professor and Chair of Landscape Architecture, Harvard University, Graduate School of Design.

Tony Clevenger, Senior Research Scientist, Western Transportation Institute, Montana State University and Principal Researcher effects of roads on wildlife in the Canadian Rockies including Banff National Park.

Jane Wernick, Structural Engineer and Director of Jane Wernick Associates, London. Well-known throughout the US, Britain and Europe and taught at architectural schools including Harvard.

William L. Withuhn, Curator Emeritus of the History of Technology and Transportation, Smithsonian Institution.

Jane Wolff, Associate Professor and Chair of Landscape Architecture, John H. Daniels Faculty of Landscape, Architecture and Design, University of Toronto.

Professional Advisor to ARC International Design Competition:

Nina-Marie Lister is Visiting Associate Professor at Harvard University's Graduate School of Design and Associate Professor in the School of Urban + Regional Planning at Ryerson

Special Design Requirements of site location on interstate I -70:

Highest elevation along I-70 in American Rockies • steep grades • heavy snow loads • severe weather • construction during busy recreational and commercial traffic on six-lane highway • light rail line • bike trail • multiple large and smaller animal species • highest number of recorded animal crossings in the area • native vegetative cover.

For further information:

For further information and interview requests: please contact

Canadian contact: Diana Crosbie, President, Crosbie Communications Inc.
diana@crosbie.on.ca 416-360-6625

- U.S. jobless claims show positive trend
- CSA Standards offers certification for assessing trenchless pipelines
- Opponents question need for new Halifax convention centre
- U.S. homebuilder PulteGroup sees closings, orders decline
- Tiger Woods' signature golf estate in Dubai put on hold
- Vancouver digs deep for new downtown transmission line
- Electricity set to flow from Saskatchewan's newest windfarm
- Video: Vancouver Regional Construction Association president Keith Sashaw
- Oak Bay-Gordon Head MLA recall campaign fails
- Philip Hochstein's Port Metro Vancouver Authority board appointment stirs controversy
- Vancouver Island project could capture tidal energy
- Alberta moves to beef up transmission capabilities
- Spreading the benefits of energy development
- Canoe Pass turbines are an innovative design
- Historic Causeway must be removed to complete Canoe Pass tidal project
- Engineers battle the power of the ocean
- Saudi project responds to community
- Wider wind turbine spacing can boost output
- Boundary Dam power station in Saskatchewan slated for rebuild
- Mergers on the rise in Canada

US Contact: Rob Ament, ARC Project Manager, Western Transportation Institute
rament@coe.montana.edu (cell) 406-600-6348; (w) 406-994-6423;

[Print](#) | [Email](#)

Latest Industry Press Releases

Updated 10:01 CST, February 8, 2011 

[Construction/Building](#)
[Government of Canada/Public Works](#)
[Economic News/Trends and Analysis](#)
[Environmental Services](#)
[Real Estate](#)

Transportation/Trucking

[AIR CANADA ANNOUNCES GANDER-TORONTO NON-STOP FLIGHTS](#) (2011-02-08)
[/C O R R E C T I O N from Source -- Student Transportation Inc./](#) (2011-02-07)
[Student Transportation Signs New Senior Credit Agreement](#) (2011-02-07)
[WestJet Airlines Ltd. - 2010 Fourth Quarter and Year-End Results Webcast - February 9, 2011](#) (2011-02-07)
[WestJet, Delta Air Lines Launch Interline Agreement](#) (2011-02-07)
[MEDIA ADVISORY - CN Executive Vice-President and Chief Marketing Officer Jean-Jacques Ruest to address Stifel Nicolaus and BB&T Capital Markets transportation conferences in Miami Feb. 15-16](#) (2011-02-07)
[MEDIA ADVISORY - The Transportation Safety Board of Canada Releases its Report into the 2009 crash of a Cougar Helicopters Sikorsky S-92A](#) (2011-02-07)
[Carpooling offers relief for spiralling cost of driving in GTHA](#) (2011-02-07)
[The Union of Canadian Transportation Employees \(UCTE\) is Pleased that the B.C. Supreme Court Ruling Affecting Aviation Liability Supports UCTE Positions on Safety Management Systems \(SMS\) Implementation](#) (2011-02-07)
[CHORUS AVIATION INC. ANNOUNCES FOURTH QUARTER AND YEAR END 2010 FINANCIAL RESULTS](#) (2011-02-07)
[CANADIAN AUTOWORKERS AND CANADIAN PACIFIC REACH TENTATIVE CONTRACT SETTLEMENT FOR MECHANICAL SERVICES EMPLOYEES](#) (2011-02-05)
[AIR CANADA REPORTS JANUARY TRAFFIC](#) (2011-02-04)
[Canada Post adds Royal Wedding to 2011 stamp line-up](#) (2011-02-04)
[CN announces plan to buy back shares through private agreements](#) (2011-02-04)
[Porter Airlines begins 2011 with 7.6 point load factor increase](#) (2011-02-03)
[IMPROVEMENTS TO AIRPORT SCREENING WELCOMED BY CANADA'S LARGEST AIR CARRIERS](#) (2011-02-03)
[CN, Montreal Port Authority, Montreal Gateway Terminals Partnership and Termont Montreal reach agreements to improve supply chain efficiencies for container traffic](#) (2011-02-03)
[MULLEN GROUP LTD. 2010 YEAR-END AND FOURTH QUARTER EARNINGS CONFERENCE CALL AND WEBCAST](#) (2011-02-03)
[TransForce Inc. to Report 2010 Fourth Quarter and Annual Results February 24, 2011](#) (2011-02-03)
[Media Advisory - Transport Canada](#) (2011-02-02)
[XATA Reports Fiscal 2011 First Quarter Results](#) (2011-02-02)
[GO Transit is running an adjusted train schedule this morning due to severe weather – commuters reminded to monitor gotransit.com and media reports for details](#) (2011-02-02)
[GO Transit will continue to run an adjusted train schedule this afternoon – commuters reminded to monitor gotransit.com and the news media for details](#) (2011-02-02)
[bmi Announces New Flights to Europe and North Africa](#) (2011-02-02)
[WestJet launches new non-stop service to Palm Springs](#) (2011-02-02)
[Hy-Drive Technologies Officially Launches blutip Power Product Platform and New Website](#) (2011-02-01)
[GO Transit will run an adjusted train schedule tomorrow morning due to severe weather – commuters reminded to monitor gotransit.com and media reports for details](#) (2011-02-01)
[General Motors January Sales Rise 23 Percent](#) (2011-02-01)
[Canada Post celebrates two Canadian heroes](#) (2011-02-01)
[Media Advisory - AIR CANADA TO PRESENT FOURTH QUARTER AND FULL YEAR 2010 RESULTS](#) (2011-02-01)

[Contact Us](#) | [Privacy Policy](#) | [Site Terms & Conditions](#) | [Subscriber Terms & Conditions](#)



500 Hood Rd, 4th Fl., Markham, ON. L3R 9Z3
Phone: 905-752-5408 | Fax: 905-752-5450
Toll free: 800-465-6475 | Toll free Fax: 888-396-9413
E-mail: dcnonl@reedbusiness.com

© 2011 Reed Business Information a division of Reed Elsevier Inc. All rights reserved.

REED CONSTRUCTION DATA INTERACTIVE NETWORK
[SmartBIM](#) | [SmartBuilding Index](#) | [Market Insights](#) | [CanaData](#)
[Daily Commercial News](#) | [Journal of Commerce](#) | [RSMMeans](#)