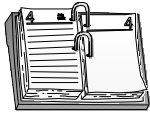


News & Notes...



Northern Branch May 13 Meeting to Cover Green Ridge Glade Project...

The Northern Colorado Branch of the Colorado Section ASCE will be hosting the City of Loveland along with URS Corporation and SEMA Construction who will give a presentation on and conduct a tour of the Green Ridge Glade construction project. The presentation covering the construction of this project will be given during the Branch's Thursday, May 13, 2004, meeting at the Sylvan Dale Ranch off Hwy 34 (on the way to Estes Park). The tour of the construction site will start at 4:30 PM from the SEMA Construction Trailer. Tour reservations are required.

The meeting is open to the public. Social hour begins at 6:15 PM. Dinner is \$18 payable at the door and starts at 6:45 PM. The program is free and will start at 7:45 PM. Please RSVP to Jim Brady (jbrady@e-470.com) or phone (303)537-3711 (leave message with secretary) by May 11, 2004. Those interested in the tour must contact Kim Yordt at (970)962-3702 by May 7 to reserve a spot on the van and obtain directions. If you are going on the tour please bring a hard hat if you have one. For more information, please contact Randall Provencio at (970)674-3300.

Colorado Springs Branch Revival!...

An initiative has been taken to revive the Colorado Springs Branch activities. After being contacted by David Harwood, PE, Colorado Springs, an April 1, 2004, Happy Hour was organized and advertised by Colorado Section ASCE President Roxann Hayes, with assistance from Edward Stafford and Rich Bogdanovich. 16 people attended the meeting, including Mike Glade and John Gormley from the Colorado Section ASCE. There was a substantive business meeting following the opportunity for getting acquainted. All who attended were in favor of a branch revival of some type. Several important issues and questions were discussed, including the prospect of renaming the organization as the Southern Colorado Branch. Already, David Harwood is organizing a lunch meeting in the latter part of May and calling for members to help move the initiative forward. An electronic flyer providing details will be distributed soon. Be sure to take advantage of this opportunity by sending email to ddharwood@terracon.com. The Colorado Section ASCE applauds the Colorado Springs Branch initiative and offers its support.

(Turn to Page 7 for News & Notes continuation...)



Colorado Section 2003-2004 Leadership Roster

PRESIDENT: 970-498-5724	Roxann Hayes rhayes@larimer.org
VICE PRESIDENT: 303-858-8008	John Gormley gormleyjt@msn.com
SECRETARY: 303-772-5282	Christoph Goss christoph.goss@ttrmc.com
TREASURER: 720-898-7740	Edward Stafford estafford@ci.arvada.co.us
IMMEDIATE PAST PRESIDENT: 303-277-6620	Mike Glade mike.glade@coors.com
ENVIRONMENTAL TECHNICAL GROUP Co-CHAIRS:	
303-312-7077	Harry Jong jong.harry@epa.gov
303-245-6410	Cheryl Kramer cakramer@fs.fed.us
GEOTECHNICAL TECHNICAL GROUP CHAIR: 303-772-5282	Christoph Goss christoph.goss@ttrmc.com
STRUCTURAL TECHNICAL GROUP CHAIR: 303-390-5861	Taka Kimura kimura@pbworld.com
TRANSPORTATION TECHNICAL GROUP Co-CHAIRS:	
303-480-6746	Jeff May jmay@drcog.org
303-721-1440	Michelle Stevens michelle.stevens@fhueng.com
WATER RESOURCES TECHNICAL GROUP CHAIR: 303-298-1311	Erin Ansell anselles@cdm.com

Committee Chairs

Awards	Tony Huerta	303-438-2171
Constitution/By-Laws	Vaughan Griffiths	303-273-3669
History & Heritage	Dick Wiltshire	303-445-3042
Government & Public Affairs	Steve Fisher	303-312-8849
Membership	Edward Stafford	720-898-7740
Nominating	Mike Glade	303-277-6620

Special Contacts

ASCE District 16 Representative	Stein Sture	303-492-7651
CEC Representative	Chuck Mcknight	303-986-1444
Life Member Forum	David Day	303-694-2948
	Kurt Gerstle	303-492-6383
Northern Branch President	Dan Overton	970-223-9600
Web Master	James Gill	303-697-2655
Younger Members Group President	Jacqueline Arcaris	303-980-3530

Colorado Section ASCE NEWSLETTER is published 9 times per year on a monthly schedule September through May.

Colorado Section ASCE Office

Rich Bogdanovich	P.O.Box 101085
303-758-1445	Denver, CO 80250-1085
FAX 303-756-9777	colorado.asce@attglobal.net

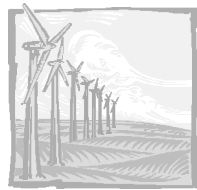
Section Web Page: <http://sections.asce.org/colorado>



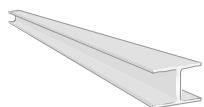
Transportation Group Meeting

Matt McDole, E-470 Director of Engineering, will discuss the **E-470 6-Year Capital Improvement Program**. E-470's 48-mile route is complete and open, but E-470 is planning for the future through a rolling 6-year capital program featuring widening the heaviest traveled portions to 6 lanes and building a new E-470/I-70 interchange. The new interchange will improve accessibility and mobility and involves a complex reconfiguration including a first phase flyover bridge and complete reconstruction of the current Gun Club Road interchange. This solution necessitated considering the elimination of the existing Colfax/I-70 interchange and replacing it with a new Piccadilly interchange. Planning also needed to consider growth on I-70 to the east of Gun Club Road.

Environmental Group Meeting



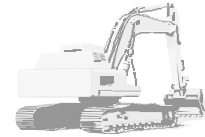
David Schaller, Sustainable Development Coordinator, US EPA Region 8, will discuss **recent advances in hybrid and fuel cell automotive technology and the opportunities they offer** for reduced emissions, improved mileage and greater energy security. Dave has owned a hybrid vehicle since the technology was introduced to the U.S. market in the fall of 2000. He will relate his own operational experience with the hybrid technology over the past four years and will share his experiences in having test driven a number of foreign and domestic demonstration model fuel cell passenger vehicles.



Structural Group Meeting

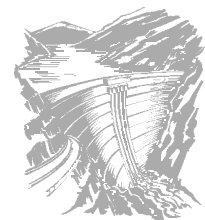
Jeff Anderson, head of the CDOT Bridge Inspection Group, will speak on **the most common and most unusual maintenance problems seen on Colorado's bridges** including damage due to vehicle impact, freeze thaw cycles, road salt and leaking joints. He also will briefly cover how a bridge's sufficiency rating is determined and will discuss design details that will help a bridge withstand Colorado's climate.

Geotechnical Group Meeting



Robert Huzjak, GEI Consultants, Inc., will speak on the **135' high earth dam to be built to provide terminal storage and to assist Parker Water and Sanitation District** manage available surface water and groundwater resources and provide reliable carryover storage for use in dry years. The dam and reservoir will be located east of I-25 in northern Douglas County about 3.4 miles southwest of downtown Parker on Newlin Gulch, a tributary of Cherry Creek. Site bedrock consists of sandstone, claystone and conglomerate of the Upper and Lower Dawson Formations. The Castle Rock Conglomerate overlies the Dawson Formation forming resistant mesa tops west and south of the reservoir site. Primary geologic conditions influencing design included: weak claystone in the foundation and abutments; potentially liquefiable alluvial materials in the valley bottom; availability of a consistent source of suitable borrow materials and the heterogeneous nature of the geologic formations at the dam site and in the reservoir basin; seepage concerns through weathered and fractured zones of the Lower Dawson bedrock in the valley bottom and the presence of coarse conglomerate zones (ancient stream channels) in the Upper Dawson Bedrock; and the consolidation settlement of alluvial clay soils in the valley section. The focus will be the geotechnical explorations and testing used to identify the properties of foundation materials, particularly the weak claystone.

Water Resources Group Meeting



George Annandale, D.Eng., PE, President, Engineering and Hydrosystems, Inc., will give a presentation on **"Dam Removal: Just Another Fad?"** Issues that form part of the debate pertaining to dam removal include: whether it is a justifiable activity; if so, which dams can most effectively be removed in terms of economic and environmental value; and whether appropriate technology and science exist for developing information required for decision making on dam removal. The talk will focus on these issues and provide information to the audience to formulate replies to the question as to whether dam removal is just a fad or should be taken seriously.

Meet the Candidates...

Election of 2004-2005 Officers for the Colorado Section ASCE is conducted through a mail-in ballot which is part of this issue of the Newsletter. Please review the below biographies of the official candidates who were selected by the Nominating Committee chaired by Mike Glade, Past President. Write-in candidates are permitted. Return your ballot to the Colorado Section ASCE office postmarked no later than May 31, 2004.

For President:

John Gormley, F.ASCE, PE, Ph.D., has been a practicing civil and environmental engineer for more than 40 years. He has lived in metro Denver for the past 26 years. John has served in executive capacities with a number of technical consulting firms; he presently is an independent consulting engineer. His practice sectors are primarily mining, water resources and energy development. Since 2000, John has served the Colorado Section ASCE as its 150th Anniversary "Champion," Secretary and Vice President. As a Colorado Section ASCE officer, his goal is to enhance the Section's importance to its members and community through Section participation with student chapters and in educational and community service outreach and by partnering with other professional-technical organizations.



John Gormley

For Vice President:

Christoph Goss, Ph.D., is the resident tunnel engineer with Tetra Tech RMC (formerly Rocky Mountain Consultants) in Longmont. He holds a BS in Civil Engineering and a Ph.D. in Mining Engineering from the Colorado School of Mines. His specialty is the design and construction of tunnels, many here in Colorado. He has been a member of ASCE since 1993. He has served on the Younger Member Group and was the Colorado Section ASCE Treasurer for two years. He is currently the Secretary of the Colorado Section ASCE, Chair of the Colorado Section ASCE Geotechnical Engineering Group, and Chair of the 2004 regional engineering conference "H2Geo: Geotechnical Engineering in Water Resources."



Christoph Goss

For Secretary:

Edward Stafford, PE, M. ASCE, is a Transportation Engineer with the City of Arvada. He holds a BS in Civil Engineering from the Colorado School of Mines and is a registered Professional Engineer in the State of Colorado. He has been a member of ASCE since 1995, has served as the Colorado Section ASCE Member-ship Committee Chair for 4 years and is currently the interim Colorado Section ASCE Treasurer.



Edward Stafford

For Treasurer:

Jacqueline Arcaris is an Environmental and Civil Engineer with Tetra Tech FW (formerly Foster Wheeler Environmental) in Lakewood. She left her home state of California to receive a BS degree in Civil Engineering from Purdue University. She has been a member of ASCE since 1993, when she served as Vice President and President of the Purdue Student Chapter. She has been actively involved with the Colorado Section ASCE Younger Member Group since she moved to Colorado in 2000, serving as Secretary, Vice President and currently President. When Jacqueline is not working or participating in ASCE activities, you can find her in the mountains either skiing or hiking!



Jacqueline Arcaris

2004-2005 OFFICIAL BALLOT

Colorado Section ASCE

All ballots must be postmarked no later than May 31, 2004.
Place an X in the [] to vote for officers. Blank lines are for write-in votes.
Vote for only one (1) individual in each officer position.

FOR PRESIDENT

[] John Gormley

[] _____

FOR VICE PRESIDENT

[] Christoph Goss

[] _____

FOR SECRETARY

[] Edward Stafford

[] _____

FOR TREASURER

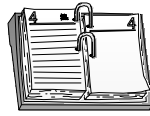
[] Jacqueline Arcaris

[] _____

*This Page 5 is intentionally blank in the online version of the newsletter.
It is the mailer page of the ballot in the hard copy version.*

News & Notes...

(Continued from Page 2)



Royal Gorge 75th Anniversary...

The weekend of June 12-13, 2004, will mark the 75th Anniversary of the Royal Gorge Bridge and will include a Saturday, June 12, Rededication Ceremony taking place starting at 11 AM. Join thousands of visitors from throughout Colorado and beyond during this celebration weekend.

Stockholm Junior Water Prize...

The Stockholm Junior Water Prize (SJWP) is the most prestigious international youth award for a high school water science research project. Its purpose is to increase students' interest in water-related issues and research and to sensitize them—as future leaders—to global water challenges.

HRH Crown Princess Victoria is the patron of the prize. In a royal ceremony, during World Water Week in Stockholm, Sweden, August 15-20, 2004, the international winner will receive \$5,000 (USD) and a blue crystal sculpture in the shape of a water droplet, crafted by Hanne Dreutler.

In the United States, the Water Environment Federation (WEF) and its Member Associations, organize the U.S. national, state and regional SJWP competitions with support from ITT Industries and The Coca-Cola Company. WEF Member Associations select state SJWP winners and may sponsor their travel to the national competition. In 2004, the U.S. national competition will be in Denver, Colorado, Thursday-Saturday, June 10-12, hosted by the Rocky Mountain Water Environment Association.

The U.S. national SJWP winner will receive \$2,500 and a five-day, all expense paid trip to Stockholm, Sweden. The winner's science teacher will be awarded \$500 toward enhancing science education for his or her classroom. Up to four student finalists will receive \$500 each.

The SJWP competition is open to projects aimed at improving the quality of life through improvement of water quality, water resources management, water protection or water and wastewater treatment. Projects can apply these criteria, for example, by focusing on water environment problems or improving water management in schools, communities or water basins.

The SJWP welcomes theoretical and applied science studies as well as projects aimed at

solving community water problems. The projects may focus on local, regional, national or global topics. It is essential that all projects use a research oriented approach, which means that they must use scientifically accepted methodologies for experimentation, monitoring and reporting the results, including statistical analyses.

DBIA/ASCE Mini-Transportation Seminar, Thursday, May 27...

Thursday, May 27, 2004, is the date for the Joint DBIA/ASCE Mini-Transportation Seminar scheduled for 7 AM - 10 AM with breakfast included in the \$35 cost. Topics and speakers are:

- TREX Project Update
Larry Warner, TREX Project Director CDOT & Rick Clarke, TREX Deputy Project Director RTD
- Design-Build Toll Road Construction in Colorado
Dick Bauman, Chief Engineer, Northwest Parkway
- The FasTracks Proposal
Speaker yet to be determined from RTD
- A86: The Versailles Tunnel (West of Paris)
Cedric Laurier, Construction Project Manager Cofiroute

Located approximately 6 kilometers from the Parisian peripheral highway, the A86 motorway is the second beltway of Ile-de-France. The objective of this highway is to cut down on traffic on the local roads, divert traffic away from the belt highway and encourage travel between the suburbs. The concept of underground highways reserved for light duty vehicles has found its first field of application. This innovative project is one of Europe's largest construction sites and an example of transportation infrastructure for the Third Millennium. Cofiroute has a 70-year contract on this DBOM project.

For more information, call E-470's Christina Boggess at (303)537-3727.

May Is Last ASCE Dinner Meeting Until September...

The Thursday, May 20, Colorado Section ASCE dinner meeting is the last one until September's since none are held during the Summer. Be sure to attend!



3rd Annual Golf Tournament – Thursday, August 19 Canterberry Golf Course, Parker

The Colorado Section of the American Society of Civil Engineers will sponsor its 3rd Annual Golf Tournament on Thursday, August 19, 2004, at the Canterbury Golf Course in Parker. A \$10,000 HOLE-IN-ONE prize! Everyone is welcome to play (any adult and no need to be a member). Proceeds will go towards a scholarship and student activities in ASCE.

The game is a four-player scramble. Registration begins at 7:00 AM and the shotgun start is at 8:00 AM. The cost is \$85 per person, which includes green fees, golf cart, lunch, range balls and PRIZES. Additional information and registration forms are available online at http://www.ascecoloradoymg.org/golf_tournament.htm.

Younger Member Group

Join the Colorado YMG in helping paint a better life for Denver families, literally! We will be assisting Family Homestead, which provides emergency and transitional housing for families that are trying to get back on their feet, by painting one of their apartments. The project will be Saturday, July 10, from 8:30 AM to 1 PM. See the YMG online newsletter for contact information. Also, be sure to catch us at our annual summer picnic! This year the picnic will be on Saturday, July 31, from 11 AM to 3 PM at Washington Park near the gazebo. Visit the YMG monthly newsletter for details of all our events at: <http://www.ascecoloradoymg.org/newsletter.htm>. Remember our happy hour is the second Thursday of every month.



Colorado Section
American Society of Civil Engineers
P.O. Box 101085
Denver, CO 80250-1085
(303) 758-1445

NON-PROFIT
U.S. Postage
PAID
Denver, CO
Permit No. 82

**POSTAL CARRIER: TIME SENSITIVE MAIL
PLEASE DELIVER BY MAY 10, 2004**