



Conveyances

INSTITUTE OF TRANSPORTATION ENGINEERS
The Official Newsletter of the ITE Colorado/Wyoming Section

Members of the Outstanding ITE Section ...



This is my last president's message. Hence, this is my last opportunity to thank you, the members, for the opportunity to serve the Section. I must also thank all the members of the Executive Committee. These volunteers provide the time and energy required to organize the events that benefit both you and our profession locally. As high-

lights, both the Vendor Show and the Spring Symposium were significant successes this year. I also thank the Section sponsors who provide resources that assist the Section in providing our regular services to our members. So, thank you, all. I have found volunteering as an executive officer to be very rewarding due to the support of others.

I am sure my views will be echoed by the new Executive Officers that you elected for fiscal year 2012: Chris Sheffer, President; John La Sala, Vice President; and, Aaron Heumann, Secretary/Treasurer. Please join me in congratulating and supporting these volunteers.

You will also see that there are changes in the Executive Committee. Both Duane Cleere and Eric Boivin are stepping down as chairs of the Website and Activities committees, respectively. I thank them both for their years of volunteer work with the Executive Committee. In September, Emily Gloeckner has agreed to take over the Activities Committee Chair and I will be assuming the web responsibilities in parallel with my role as Past President.

Looking back to my first message in September, I noted that the recognition the Section earned last year would

be a hard act to follow. This year, the Section has not received any awards or recognitions. Although disappointing, the Executive Committee did achieve a lot and oversaw a successful year. Chief among the accomplishments are the establishment of a strategic plan and the completion of a comprehensive membership survey. Both of these tools will continue to assist the Executive Committee to improve the service provided to the membership in the years to come.

Finally, I will close my message with an appeal to our members to strive to become more active in the Section. The success of this organization stands on the foundation that is built up year after year by our members' volunteer efforts. The current volunteers represent about 5% of our total membership. Our active members, members who regularly participate in Section events, processes, and communications, amount to only about 1/3 of our total membership. I am appealing to you to consider increasing your participation in the Section. There are a range of opportunities available, including: attending at least one more Section events or luncheon; preparing technical papers, presentations or newsletter articles; volunteering as the ITE Champion for your company or agency (which involves encouraging your colleagues to attend ITE events); and, you can really raise the bar and volunteer your time (either a little or a lot) with the Executive Committee. I contend you will find it rewarding to invest any amount of time in the Section. So why not invest a little more in the Section and be rewarded even further?

Have a good summer.

Greg Mackinnon
President
Colorado-Wyoming Section ITE

Upcoming Events ...

ITE District 6 Annual Meeting	July 10-13, 2011
ITE Annual Meeting	Aug. 13-16, 2011

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May Luncheon

by Kari McDowell, Section Scribe

A Colorado/Wyoming Section ITE luncheon was held on Friday, May 13, 2011 at the Wynkoop Brewery in Denver. Section President, Greg MacKinnon welcomed the 59 attendees. The meeting started with self-introductions by everyone.

Greg recognized Edward Stafford for his extraordinary service and commitment to the Section over the years. Edward has established the Section's website, online reservation system, and electronic newsletter.

Greg reminded members to check out ITE's new Community Page. It is another great way for members to stay connected to national, regional, and section activities. This online tool has a complete directory of ITE members, discussion boards, council sites, and resource library. An informational video is available at <http://www.ite.org/community/join.asp>.

Greg announced that James Paral and Andrea Drake were the winners of the last two newsletter Puzzle Maniac contests.

The 2010 Highway Capacity Manual webinar series is ongoing. Everyone is encouraged to attend. Please register at <http://www.cowyite.org/training/>.

Dave Hattan announced Melissa Rosas as this year's recipient of the Section's Transportation Professional of the Year Award. Dave commended Melissa for her dedication to the Section, work as the membership and scholarship chair, and work with MANA's National Hermitas® Mentoring Program. Scott Thomas, also spoke of her great attributes both professionally and personally. Melissa thanked her husband, co-workers at Apex Design, and the Eagle P3 project team.

Melissa Rosas, Section Scholarship Chair, presented this year's scholarships to several well-deserving students. Ruoyu Liu, University of Wyoming Graduate Student, was presented an award for \$1,000. Two additional recipients were not able to attend this year's awards ceremony. Pam Fischhaber, UCD Graduate Student, also received a \$1,000 scholarship. Mallory Hunt, University of Wyoming Student, received a \$500 scholarship. Mike Bowline, UCD Student and ITE Student Chapter President, received both a \$1,000 and \$500 scholarship. Mike thanked the Section for our continued support to the Section's students.

Greg MacKinnon introduced the Section's Secretary-Treasurer Candidates: Aaron Heumann and Chuck Huffine. Both discussed their qualifications and possible opportunities for the Section.

Pat Gibson spoke about his candidacy for ITE's International Board of Directors.

Greg informed everyone that candidate materials for

both Zaki Mustafa and Ray Davis (International Vice President candidates) were on the tables.

Jerry Nery, RTD's FasTracks Engineering Project Manager for Denver Union Station, gave a presentation and update on Denver's Union Station design and construction progress. Denver Union Station will bring together many different transportation modes, along with new private development, to create a new bustling urban center and multimodal transportation hub. He invited the attendees to join him for a site visit of Union Station after the meeting.

Chris Sheffer, Section Vice President, closed the meeting.

At the Section's Annual Golf Tournament on June 10th, it was announced that Aaron Heumann was elected as next year's Secretary-Treasurer.

There are no Section Meetings during the summer. The next luncheon will be held in mid-September. The Section's website www.cowyite.org will be updated with the latest information.

The Colorado/Wyoming Section contact is Greg MacKinnon of the Denver Regional Council of Governments, (303) 480-5633; gmackinnon@drco.org.



Melissa Rosas was this year's recipient of the Section's Transportation Professional of the Year Award.

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Golf Committee

by Jeff Ream, Chair

2011 Golf Tournament Summary

Fantastic golfing conditions greeted all those who participated in this year's Colorado/Wyoming ITE Section golf tournament at CommonGround Golf Course on Friday, June 10, 2011. Our participants were treated to a fantastic ITE golf experience, complete with a course that was in great shape, service that was second to none, excellent food and a fruitful networking opportunity. 70 players joined in the fun this year, and generous donations from our sponsors made for some great prizes and allowed us to raise \$1,350 for the scholarship fund.

Tournament sponsors included:

- AECOM
- All Traffic Data
- AM Signal
- David Evans and Associates, Inc.
- Fehr and Peers
- Felsburg Holt & Ullevig
- Fox Higgins
- IBI Group
- Muller Engineering
- PB Americas
- Stantec
- Sturgeon Electric

Our winner's this year were Lance Goeddel, JoAnne Higgins, Jon Larson and Steve Tuttle, who negotiated the snaking fairways and undulating greens to a 9 under par 62. Congratulations, guys! Your feat has been memorialized in this newsletter column.

As with any great event, nothing gets done without the efforts of a solid committee. This year's Golf Committee members include:

- Craig Faessler
- Eric Boivin
- John Muscatell
- Scot Lewis

The golf committee will meet in January to discuss next year's tournament, so please get in touch with me if you're interested in being part of the golf committee. You can reach me at jeff.ream@fhueng.com or by phone at (303) 721-1440.

Thanks to all who participated in making the 2011 golf tournament a great success!




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The Colorado/Wyoming Section is now on Facebook! To get connected with other members, go to:
<http://tinyurl.com/cowyitefacebook>

Treasurer's Report

by John LaSala, Section Secretary/Treasurer



The current budget summary is listed below.

If you have any questions or comments concerning this budget summary, please contact John LaSala at john.lasala@denvergov.org.

Actual Cash Flow as of June 7, 2011		
Income	Budget	Actual
Executive Committee		
Business Card Ads	\$3,375.00	\$5,175.00
Dues - ITE Payment	\$4,000.00	\$2,736.00
Dues - Misc	\$300.00	\$51.00
Employment Ads	\$150.00	\$100.00
Interest	\$200.00	\$75.31
Lunch Meetings	\$9,700.00	\$8,151.04
Spring Symposium	\$8,250.00	\$14,058.39
Vendor Show	\$11,200.00	\$12,123.10
Activities		
Annual Activity	\$2,500.00	\$0.00
WES Breakfast	\$0.00	\$298.14
Continuing Education		
Golf	\$8,000.00	\$7,110.00
Subtotal	\$52,175.00	\$50,337.98

Expense	Budget	Actual
Executive Committee		
Administrative	\$1,400.00	\$828.16
President's D6 registration	\$500.00	\$395.00
Bank Charges	\$100.00	\$65.00
EC Meetings	\$1,000.00	\$764.99
Lunch Meetings	\$10,600.00	\$8,905.51
Program Committee	\$1,500.00	\$1,011.70
Newsletter Contest	\$100.00	\$185.00
Table Survey Contest	\$0.00	\$125.00
Membership Survey Contest	\$0.00	\$250.00
Spring Symposium	\$8,250.00	\$12,391.12
Vendor Show	\$7,000.00	\$8,571.48
Activities		
Charitable Giving	\$1,000.00	\$1,200.00
Happy Hour	\$350.00	\$0.00
Annual Activity	\$2,500.00	\$0.00
WES Breakfast	\$0.00	\$553.32
Awards		
	\$250.00	\$236.48
Continuing Education		
	\$4,500.00	\$1,398.17
Membership Committee		
	\$240.00	\$0.00
Golf		
	\$8,000.00	\$742.55
Student Chapter		
	\$3,000.00	\$865.00
Technical Committee		
	\$0.00	\$0.00
Website Committee		
	\$250.00	\$117.40
Website Upgrade		
	\$1,635.00	\$0.00
Subtotal	\$52,175.00	\$38,605.88
Total	\$0.00	\$11,732.10

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2011



SECTION ANNOUNCEMENTS



Please send any announcements that you wish to be posted in the newsletter to Bart Przybyl, Newsletter Editor, bart.przybyl@apexdesignpc.com.

STUDENT CHAPTER LIAISON—UCD

We have volunteers filling both of our Student Chapter Professional Liaison on the Section Executive Committee. Our current volunteer serving as the Student Chapter Professional Liaison for the University of Colorado – Denver (UCD) Chapter, although happy to assist, is not a recent graduate of UCD.

The main role of the liaison position is to coordinate between the Section Executive Committee and the Student Chapter Executive Committee.

The preferred characteristics of the person filling each position are:

- a recent graduate from the school at which the student chapter resides
- a member of the Section
- employed in the transportation engineering field within the Section
- interested in advancing the objectives of the Section and ITE

If you are interested in volunteering for this position and you are a recent graduate of UCD, please contact the Section President, Greg MacKinnon, at 303-480-5633 or gmacKinnon@drcog.org.

CALL FOR TECHNICAL ARTICLES

Do you have a good project experience you would like to share with your peers? The Technical Committee is looking for article publications and ideas. Technical articles for the Conveyances newsletters should be approximately 350 words, or three paragraphs, in length. If longer, full-length versions of the articles will be published online at the ITE Colorado-Wyoming Section website. If you want to share a project that may interest our Section, please contact Nitin at Nitin.Deshpande@jacobs.com or 303-223-5889.



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Technical Committee Interest Column

by Nitin Deshpande, P.E., Jacobs

Summer is upon us. The next section newsletter would be published in September 2011. I would like to take this opportunity to celebrate the achievements of the Colorado-Wyoming section members in the past year. The past year has been an exciting and eventful for the Colorado-Wyoming Section. The section has been active in technical activities including papers, presentations, regular and joint meetings, and continuing education programs. The technical committee published several newsletter articles in the section monthly newsletter covering diverse technical topics such as NCHRP Report 572 Roundabouts in the United States, Traffic Signal Clearance Intervals, I-70 Reversible Lanes, Rectangular Rapid Flashing Beacons, Road Weather Information System, and Diverging Diamond Interchange.

Also, three members of the Colorado-Wyoming section – Jerry Maschka, Rhonda Young and William Byrne – published technical articles in the ITE Journal. The details of their publications are below:

- *Traffic Signal Health Index Program: A System to Better Identify and Manage Traffic Signal Inefficiencies and Failures*, by Jerry Maschka, City of Centennial (September 2010)
- *Everything You Need to Know About Transportation Engineering in 40 Hours*, by Michael Kyte, Andrea Bill, and Rhonda Young (University of Wyoming) (October 2010)
- *Reducing Congestion at Grand Canyon's South Rim*, by William Byrne (David Evans and Associates) and Jonathan Upchurch (January 2011)


Additionally, several section members published and presented at various ITE and non-ITE technical conferences throughout the year. The Ninth Annual Spring Transportation Symposium held in Denver, Colorado was a great success and several section members presented their technical papers at the Symposium. The participation of section members in the ITE annual meeting(s) is on the rise. A paper submitted by Ben Waldman (City of Lakewood) and Nitin Deshpande (Jacobs) was selected

for poster section at the TRB International Roundabout Conference held in Carmel, Indiana in May 2011. Also, following section members will be presenting at the ITE Western District Annual Meeting being held in Anchorage, Alaska in July 2011:

- *Laramie Transportation Authority: Bringing a Community Together*, Charles Huffine (SEH)
- *Innovative ITS Applications on Colorado's Mountain Corridor*, Scott G. Thomas (Apex Design)
- *Transit Signal Priority JUMPS*, Chris Sheffer (Fehr & Peers)
- *Operational Performance of Roundabout at Intersections with Unbalanced Traffic Volumes*, Nitin Deshpande (Jacobs)
- *ITS Applications in Incident Management*, Ken Wisel (Stantec)
- *New TOD in Olde Town – Challenges and Opportunities*, Bob Manwaring (City of Arvada)
- *All Pedestrian Phasing – Addition by Subtraction*, Michael Gill (Stantec)
- *Applying Traffic Micro-Simulations to Optimize Signal Timing of Denver Downtown*, Wei (Freddy) He (URS)
- *Assessing the Impact of Pedestrian Countdown Signals on Vehicle Crash Rates at Signalized Intersections*, Craig Faessler (AECOM)
- *Station Locations and Parking Supply Planning for Passenger Rail Lines*, Scott Burger (David Evans and Associates)
- *Robbing Peter to Pay Paul – Designing a Freeway Reversible Lane*, Paul F. Brown (Jacobs)
- *Managing Chaos – Traffic Management During the Sturgis Motorcycle Rally*, Chuck Huffine (SEH)
- *Transportation Planning for the Gates of the Arctic National Park and Preserve in Alaska*, Wei (Freddy) He (URS)

Despite a tough economy, it is encouraging to see a strong participation of section members in the ITE activities. The member's energy and enthusiasm to move forward is what makes the section a fun and meaningful organization for transportation professionals. On behalf of the section technical committee, thank you for your active participation in the technical activities and have a safe summer!

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Life is a Highway!

by Bill Hange, City of Loveland

I would like to congratulate the Executive Committee and other member volunteers for their hard work once again this year. There have been some excellent programs and training sessions, and I must mention a great vendor show this year.

Greg's commitment to the Colorado-Wyoming Section of ITE started many years ago and has included lots of committee work with hours of very professional volunteer effort to make our organization even better. I think a dream goal came true when our Section was recognized for an award winning newsletter under Greg's guidance which started years ago. Great job and thanks you to all!

There will be an ITE Roundabout Task Force – Sub Committee meeting in Anchorage, Alaska during the District Meeting there. It will be held at 3 PM on Tuesday, July 12th and may include a tour of local roundabouts. The meeting portion will be a roundtable discussion about local roundabout hot topics and start with a Power Point presentation on Loveland's experience with roundabouts.

Have a Great Summer!

Puzzle Maniac





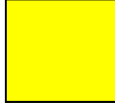



by Bart Przybyl, Newsletter Editor

Congratulations to **James Paral**, who was last month's Puzzle Maniac winner! He graciously chose to donate the prize to the Scholarship Fund.

For this issue's puzzle, the goal is to figure out the relationship between the colored squares and the number for each row. If you can figure out what it is, you'll be able to replace the question mark in the last row.

To enter, please submit your answer by July 1, 2011 to bart.przybyl@apexdesignnpc.com.

The winner will be awarded a free ITE lunch OR a \$25 gift certificate to the establishment of their choice.

		15
		20
		36
		?

SOLUTION TO LAST NEWSLETTER'S PUZZLE

A1—20, A2—92, A3—4, A4—84, B1—12, B2—36, B3—24, B4—16, C1—28, C2—3, C3—68, C4—80, D1—40, D2—56, D3—7, D4—21



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Events Calendar


Please send events to be posted in this calendar to Bart Przybyl, Newsletter Editor, bart.przybyl@apexdesignnpc.com.



July 10-13, 2011
[ITE District 6 Annual Meeting](#)
 Anchorage, AK



August 13-16, 2011
[ITE Annual Meeting](#)
 St. Louis, MO



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