



# Conveyances

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

## Dear Members ...



Happy Holidays! I certainly hope that this finds everyone in great spirits and enjoying the holidays with family and loved ones. As I look back at 2011, I realize that we are indeed blessed in Colorado and Wyoming. Though unemployment continues to be high, nearly all of us in this Section are employed and continue to be healthy. This Section typically

shares our good fortune with those that are not as fortunate through a yearly donation of \$1000. This year we've chosen to spread our charitable contribution to three different charities: one local and one overseas. These include: **Sweat Equity**—works with local athletes to promote children's athletics, **Rescate Ecuador**—provides medical, dental and scholastic supplies to villages in Ecuador alongside Engineers Without Borders, and **Bienvenidos Food Bank**—provides emergency and alternative food resources to residents of Denver.

This coming year promises to be exciting for many of us. We start the new year with what is typically our most attended event, the **Vendors Show**. This year's event on **January 20th** will be at the Arvada Center and feature vendor exhibits of the most cutting edge technology in traffic signals, communications, ITS, data collection, and other traffic related devices. Each year the exhibits become more sophisticated with better presentations, simulations, and even hands on demonstrations. If you are a "techno-geek" as I am, this is the place for you.

Our Section is also planning for the next training and informational seminars. We are working on scheduling a February training session of the **Tru-Traffic** software.

This package is an industry standard for signal timing projects, both in the Denver metro area and nationally. We will be offering a refresher course for the **Professional Traffic Operations Engineer (PTOE)** test as well. This series of seminars helps prepare professionals to take and pass the PTOE test. Finally, two of our colleagues, **Gene Putman** and **Ron Henson** will be part of a panel to discuss Expert Witness work and issues. This event will be part of an additional luncheon that is scheduled for April 13 which is normally the time of our Spring Symposium. In an effort to help support a major event being held in Denver by our partners at Women's Transportation Seminar (WTS), we and our other Symposium partners have agreed to postpone the Spring Symposium until 2013. The **WTS Annual Conference** will be held in Denver this year in early May.

Finally, I want to thank all those who have been filling out the table surveys at our most recent luncheons. We have been seeing increased participation with these surveys, and it provides us with some great feedback. At our last two meetings, sixty of you responded, and nearly half of you who attended our December meeting responded. One "factoid" from our last luncheon at the Oxford Hotel indicated that the majority of you would like to see either a legislative/political or technical topic for a luncheon presentation. Granted, this may be reflected by your interest in **Don Hunt's** dynamic presentation at the luncheon.

Happy New Year!

*Chris*

Chris Sheffer  
President  
Colorado-Wyoming Section ITE

## Upcoming Events ...

**CO/WY ITE Vendor Show** · 8      **January 20, 2012**

## Inside This Issue ...

<b>Committee Reports</b> · 2-5	<b>Events Calendar</b> · 9
<b>Treasurer's Report</b> · 5	<b>Job Opportunities</b> · 10-11
<b>Technical Article</b> · 6	<b>Executive Committee</b> · 12
<b>Puzzle Maniac</b> · 7	

**December Meeting Highlights**

*by Kari McDowell Schroeder, Section Scribe*

The Colorado/Wyoming ITE Section's Annual Holiday Luncheon was held on Friday, December 2, 2011 at the Oxford Hotel in downtown Denver. Section President, Chris Sheffer, presided over the meeting which included 85 attendees. The luncheon's honored guests were CDOT Executive Director Don Hunt and Lifetime Achievement Award recipient Fred Lantz.

Sheffer thanked everyone for bringing their non-perishable food donations to the holiday luncheon. The donations have been given to Helping Hands for Homeless Prevention. In addition, this year the Section will make charitable contributions to three different organizations. These include Rescate Ecuador – an organization providing water treatment filtration facilities in Ecuador, Sweat Equity – a fundraising tool for young athletes that provides assistance to a variety of local children's nonprofit groups, and Bienvenidos Food Bank – a local food bank providing emergency food assistance.

Fred Lantz, Lantz Associates, was presented the Colorado/Wyoming Section's Lifetime Achievement Award by Bob Kochevar, Deputy Manager for Public Works Operations at the City and County of Denver. Kochevar noted Lantz's dedication to the transportation profession in over forty years of service in the Denver Metro area. Over this time, Lantz has mentored many young traffic engineers. Lantz commented that ITE has been an important and helpful organization to himself and other members of the profession since he first joined in 1971.

CDOT Executive Director Don Hunt was introduced by Section Vice President John LaSala. Hunt began his new role at CDOT in February of this year. In this time, he has begun refining CDOT's business process to better serve their "clients" – the State's taxpayers and the travelling public. In the past three years, CDOT's budget has dropped from \$1.6 Billion to \$1.1 Billion, while the State's infrastructure conditions continue to decline. Hunt noted that we can't wait for the Federal government to fix our problems - the State needs to figure this out for ourselves. He called upon ITE members to communicate the importance of transportation investment to

the public. Hunt is also interested in hearing about our personal and professional experiences with infrastructure funding. He is looking for examples to relay to the State's lawmakers. More information on the Executive Director can be found at <http://www.coloradodot.info/about/executive-director>.

Chris Vokurka, the Section's University of Wyoming Chapter Professional Liaison, presented Lisa Truong with a scholarship from the Section. Truong is currently working on her Master's Degree in Transportation Engineering at UC Denver.

Sheffer announced that Danny Montoya, City of Aurora, won last month's drawing for submitting a completed after November's luncheon. The Section provides surveys for membership feedback at each of the luncheons. A winner is selected at the next luncheon from the submissions.

The next Section meeting will be the Annual Vendor Show, held at the Arvada Center on Friday, January 20th. Vendor registration is now open. General registration will be available on January 6th via the Section's website at <http://www.cowyite.org/meeting/>.

The Colorado/Wyoming Section contact is Chris Sheffer of the City of Centennial, (303) 325-8000; [csheffer@centennialcolorado.com](mailto:csheffer@centennialcolorado.com). Contact information for committee chairs and a calendar of upcoming events can be found by visiting our Section's website at [www.cowyite.org](http://www.cowyite.org).



Fred Lantz receiving the Colorado/Wyoming Section's Lifetime Achievement Award.




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 Cell: 303.668.0220  
 Fax: 303.278.2681

**Awards Committee**

*by Dave Hattan, Chair*

**CO/WY SECTION TRANSPORTATION  
PROFESSIONAL OF THE YEAR AWARD  
CALL FOR NOMINATIONS**

The Transportation Professional of the Year Award annually recognizes notable professionalism and achievement by a Section member during the previous calendar year. A broad range of activities and achievement may be recognized by this award, including:

- Leadership or technical activities on a specific project.
- Leadership (including administration and training) or technical activities within an organization.
- Research activities and/or publications and presentations.
- Notable service to the Institute and/or the Colorado/Wyoming Section.
- Volunteer service effort (such as to community groups) that promotes the professional practice of transportation engineering.

The Award consists of a suitably inscribed plaque.

Nominees for the award must be a member in good standing of the Colorado/Wyoming Section and must have been a member of the Section during the previous calendar year.

Nominations for this award are due on February 10, 2012 for notable activities during the calendar year 2011. Nominations submitted by members of the Section should be made in confidence, and desirably, without the knowledge of the member being nominated.

The Awards Committee will review the nominees for the award. The Award will be presented at our May Section meeting.

Please call David Hattan at (303) 721-1440 or Mark Schaefer at (303) 796-4761 for more information about this award or to make a nomination.

**Membership Committee**

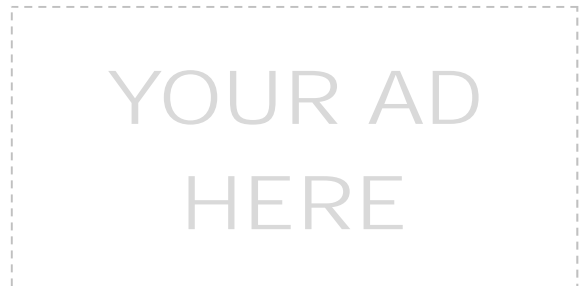
*by Rich Follmer, Chair*

The following Section members have made some recent employment changes:

- Wesley Hood, a Traffic Engineering Technician with the City of Greeley, is a new ITE member
- Chuck Huffine has joined Jacobs Engineering
- Emily Layton, a former University of Wyoming student, has joined Trihydro Corporation
- Andrew Amend has joined Stolfus & Associates
- Diana McHale has joined Apex Design
- Mike Gill has joined Stantec Consulting as a Principal in charge of Transportation
- Charles Meyer, CDOT, is now the State Traffic and Safety Engineer
- Eric Lyndberg is now the Assistant Traffic Operations Engineer for CDOT Region 2 and he is also a PTOE

If you recently joined ITE, changed jobs, or have been recognized for a particular achievement, let me know so we can mention it in an upcoming Conveyances newsletter. Please email your news to me at [rich.follmer@fhueng.com](mailto:rich.follmer@fhueng.com).

If you do have a change in employment and are a National Member, it is important to change your information with the national database by going to [www.ite.org](http://www.ite.org). However, if you are a Section Affiliate, make sure to give your change in employment with the local Membership Chair at [rich.follmer@fhueng.com](mailto:rich.follmer@fhueng.com).



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## Member Profile—Tom Newland

by Rich Follmer, Membership Chair



**Background:** For those of you who don't know Tom, he has been living the good life on Colorado's Western Slope since the early 1980's where he first began working for Pitkin County in their Planning Department as a mapping technician. His 18-year career with the County evolved into becoming the Deputy Director of Public Works, and ultimately

as the Assistant County Manager.

Tom then made the switch to the private sector and has been running his own resource company for 11 years, one that serves the diverse needs of the Western Slope communities and agencies primarily in Eagle, Garfield, Gunnison, Mesa and Pitkin Counties. His firm specializes in resource management for both public and private clients on land use planning, information management services, recreation planning, feasibility studies, transportation planning, parking and circulation planning, and as an owners' representative in selecting and managing engineers, architects, and contractors for design and construction projects.

Tom was born in Washington, D.C. but calls Ann Arbor, Michigan, home. He spent numerous years in Ann Arbor before moving to Colorado with hopes of becoming a forest ranger. To support that desire, he attended the University of Michigan where he earned his Bachelor's Degree from the School of Natural Resources in Outdoor Recreation Management and Planning.

He has been an ITE member for about 15 years and he resides in Basalt with his wife of 30 years, Terri. They have two wonderful children, Sara, 26 and Kevin, 21, with hopes of adding a new golden retriever soon. Tom loves Colorado and the great outdoors. He is an avid skier and snowboarder, both a road and mountain biker, and he also enjoys playing golf. He also likes history and is currently reading about the history of China.

### How did you become interested in a career in Transportation?

I first became interested in the transportation field when I began working for Pitkin County. My experiences

there included work on an Environmental Assessment for improvements at the City of Aspen's entrance along SH 82. I eventually moved into the Public Works Department and became more involved with the Roaring Fork Transportation Authority which helped cement my interest in the transportation field.

### What do you see as the biggest challenge as a consultant?

As consultants, we all worry about what is around the corner – who will be my next client, what will be the next project. But I thoroughly enjoy being my own boss, and the freedom that it provides in being able to do the projects I really want to do.

### What do you view as the toughest transportation challenges on the Western Slope?

Providing good mobility will always be a big challenge. Given the distance between communities, a service that you may need is not always close by. We'll need to continue to focus our energies

and monies on providing convenient and efficient transit service if we're going to serve the needs of the broader traveling public.

### What has been a challenging and rewarding project that you've worked on?

Two projects come to mind. First, I've been working for five years as a sub-consultant on an alternatives analysis and environmental assessment to determine the proper location for the new South

Bridge roadway in Glenwood Springs. If you remember the Coal Seam Fire in 2002, there was concern that neighborhoods in the South Glenwood Springs area didn't have a second emergency access route from the fire. The South Bridge project looked at several alternatives to provide the secondary access and we are completing the EA and can begin moving forward into the next steps for approval of the project.

Second, I was personally pleased to have been involved in the negotiations for purchase of the Denver & Rio Grande Railroad right-of-way from the Southern Pacific Railroad between Glenwood Springs and Aspen. We have a 100-foot right-of-way that is currently being used as a regional trail with the potential for future transit service between these communities. Eight local governments, GOCO, and CDOT participated in an Intergovernmental Agreement for the purchase and ownership of the rail corridor.

**"I thoroughly enjoy being my own boss, and the freedom that it provides in being able to do the projects I really want to do."**

Continued from Page 4.

**Where do you see the future of transportation in 50 years?**

While we still need good, efficient highways, some of our limited resources must go to the development of better transit networks if we're going to serve the future generations of this country.

**What would you do differently if you could start your career over?**

I really wouldn't have it any other way, but I did have aspirations to be a forest ranger at one time.

**If you could choose to have lunch with anyone - who would it be?**

Frank Lloyd Wright – I've always been interested in architecture and he would be a fascinating person to talk with.

**What is the best vacation that you've been on?**

My wife, son and I had the opportunity to visit our daughter in New Zealand while she was studying abroad. We toured the south island quite extensively – it was a great experience and we would like to go back there someday. We would also like to tour Europe when we have the chance.

*If you know an interesting person that should be interviewed for the Member Profile, or if you would like to be interviewed, please contact Rich Follmer at 303-721-1440 or at [rich.follmer@fhueng.com](mailto:rich.follmer@fhueng.com).*

**Treasurer's Report**

by Aaron Heumann, Secretary/Treasurer



The current budget summary is listed below.

If you have any questions or comments concerning this budget summary, please contact Aaron Heumann at [ahumann@martinmartin.com](mailto:ahumann@martinmartin.com).

Actual Cash Flow as of November 30, 2011		
Income	Budget	Actual
<b>Executive Committee</b>		
Business Card Ads	\$5,000.00	\$4,500.00
Dues - ITE Payment	\$3,600.00	\$1,003.20
Dues - Misc	\$300.00	\$168.00
Employment Ads	\$0.00	\$0.00
Interest	\$75.00	\$28.41
Lunch Meetings	\$8,150.00	\$5,310.81
Spring Symposium	\$8,000.00	\$0.00
Vendor Show	\$12,000.00	\$0.00
<b>Activities</b>		
Annual Activity	\$2,500.00	\$0.00
<b>Continuing Education</b>		
Golf	\$10,700.00	\$0.00
<b>Subtotal</b>	<b>\$53,590.00</b>	<b>\$11,110.42</b>
Expense	Budget	Actual
<b>Executive Committee</b>		
Administrative	\$1,600.00	\$67.86
President's D6 registration	\$1,600.00	\$0.00
Bank Charges	\$50.00	\$2.00
EC Meetings	\$1,000.00	\$316.87
Lunch Meetings	\$8,900.00	\$4,180.48
Program Committee	\$1,000.00	\$0.00
Newsletter Contest	\$100.00	\$75.00
Table Survey Contest	\$125.00	\$0.00
Spring Symposium	\$7,200.00	\$0.00
Vendor Show	\$8,500.00	\$0.00
<b>Activities</b>		
Charitable Giving	\$1,000.00	\$0.00
Happy Hour	\$175.00	\$0.00
Annual Activity	\$2,500.00	\$0.00
<b>Awards</b>		
Continuing Education	\$4,500.00	\$210.00
Membership Committee	\$240.00	\$72.18
Golf	\$9,500.00	\$0.00
Transfer to Scholarship	\$3,000.00	\$75.00
Student Chapter	\$1,000.00	\$43.65
Website	\$250.00	\$0.00
Technical Committee	\$700.00	\$0.00
Contingency	\$400.00	\$0.00
<b>Subtotal</b>	<b>\$53,590.00</b>	<b>\$5,097.07</b>
<b>Total</b>	<b>\$0.00</b>	<b>\$6,013.35</b>

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## Technical Committee Interest Column

by Nitin Deshpande, Chair

### Innovative Intersection Design: Utah's First ThrU Turn Intersection opened in Draper, UT

In November 2011, the Utah Department of Transportation (UDOT) has opened its first ThrU Turn Intersection (TTI) at 12300 South and Minuteman Drive in Draper, UT. The new TTI is expected to improve traffic flow and safety by redirecting left-turning vehicles away from the intersection. The TTI, which eliminates the congestion caused by left-turning vehicles, is expected to improve traffic flow and reduce delays by 80 percent.

The TTI is based on an innovative intersection design successfully implemented in other states around the country. The TTI is designed to redirect left-turning vehicles away from the intersection. Instead of turning left at the intersection, motorists travel approximately 400 feet past the intersection and make a controlled U-turn at a new signal past the intersection. The motorists will then travel back to the intersection, turn right and proceed to their destination.

As per the UDOT press release, the new intersection design will improve traffic flow, maintain access to area businesses and enhance safety. By eliminating left-turns, the new design will significantly reduce the number and severity of crashes. The TTI is also more bike and pedestrian friendly than a traditional intersection design.

UDOT has produced a simulation video designed to familiarize motorists with the TTI. The simulation video can be viewed at <http://www.udot.utah.gov/thruturn/>



Source: Utah Department of Transportation



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The Colorado/Wyoming Section is now on Facebook! To get connected with other members, go to:

<http://tinyurl.com/cowyitefacebook>

**Puzzle Maniac**

by Bart Przybyl, Newsletter Editor

Congratulations to **James Paral**, who was once again the newsletter's Puzzle Maniac winner! He graciously chose to donate his prize to the scholarship fund.

This issue's puzzle is a riddle:



"A man sleeping on the top floor of a three-story house awakes to find smoke coming under his bedroom door. He gathers as many of his treasured possessions as he can possibly hold and leaps out of the bedroom window. Even though his arms are full, he doesn't drop or break anything and he does not injure himself. How did he do it?"

The following facts are also true:

- Some of the items were fragile and would have broken if they had hit the ground.
- He did not jump on to a ledge of the house.
- No ladders, ropes, or safety nets were used.
- He did not jump into water or soft snow."

Please submit your best guess to the riddle to [bart.przybyl@apexdesignnpc.com](mailto:bart.przybyl@apexdesignnpc.com) by January 13, 2012.

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

**SOLUTION TO LAST NEWSLETTER'S PUZZLE**

**C) Nashville**—The trick was to add up the 3 numbers making up the train number (4 + 2 + 8 = 14) and using the result to determine the first letter of the correct city.



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# JANUARY LUNCHEON

**What:**

ITE Colorado/Wyoming Section Annual Vendor Show and Luncheon Meeting

**When:**

**Friday, January 20, 2012**

**Where:**

Arvada Center for the Arts and Humanities  
[6901 Wadsworth Boulevard, Arvada, CO 80003](http://www.arvadacenter.org)



**Time:**

11:00 a.m.—Exhibits, Registration and Networking  
 11:30 a.m.—Hors d’oeuvres Served  
 12:00 a.m.—Lunch Buffet Begins  
 1:00 p.m.—Announcements  
 1:30 p.m.—Lunch Buffet Closes  
 2:00 p.m.—Vendor Exhibits Close

**10:00 a.m.—11:00 a.m. Mesh Networks Presentation by Tropos® Networks**

Tropos® Networks is the worldwide market leader in wireless IP broadband mesh networks. Its solutions create greener, safer, smarter IP foundations for deployment of high-value applications that increase efficiencies and reduce operational costs.

To attend this presentation on Mesh Networks please RSVP to Cheryl Marchbanks at [Cheryl@amsignalinc.com](mailto:Cheryl@amsignalinc.com).

**Program:**

**Annual Vendor Show**

**Cost:**

\$30.00 for Members and Non-Members  
 \$10.00 for Students

**REGISTER NOW**

**Menu:**

Hot and Cold Hors d’oeuvres

Lunch Buffet including made to order Pasta Stations and Roast Beef and Potlach Salmon Carving Stations

**Upcoming Luncheons:**



# Events Calendar

Please send events to be posted in this calendar to Bart Przybyl, Newsletter Editor, [bart.przybyl@apexdesignpc.com](mailto:bart.przybyl@apexdesignpc.com).



**January 20, 2012**  
CO/WY ITE Vendor Show  
Arvada Center

**January 27, 2012**  
CO/WY ITE Section  
Executive Committee Meeting



**March 2, 2012**  
CO/WY ITE Section Luncheon  
Colorado Springs

**March 9, 2012**  
CO/WY ITE Section  
Executive Committee Meeting



**April 13, 2012**  
CO/WY ITE Section Luncheon  
Denver Metro

**April 20, 2012**  
CO/WY ITE Section  
Executive Committee Meeting



**May 11, 2012**  
CO/WY ITE Section Luncheon  
Denver Metro

**May 18, 2012**  
CO/WY ITE Section  
Executive Committee Meeting

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## TRANSPORTATION DESIGN ENGINEER

### Company Description

Apex Design is a transportation engineering consulting firm specializing in Traffic Engineering and Intelligent Transportation Systems (ITS). We work with government agencies to improve traffic flow and safety within their communities.

An opportunity exists for a talented individual interested in working on challenging traffic, systems, and ITS planning, design, and operational projects for both highway and transit projects. We offer employees a competitive compensation package and the ability to grow both professionally and personally within the engineering profession while working on some of the most impactful projects in Colorado.

### Position Description

This opening is for a Transportation Design Engineer who will work under the direction of Senior Engineers. Candidates should have design experience preparing plans, specifications, and estimates. Candidates must be proficient in MicroStation. A background in the transportation field is preferred. A desire and ability to learn transportation is acceptable.

To apply, submit a cover letter and resume to [careers@apexdesignpc.com](mailto:careers@apexdesignpc.com) with attention to Jason Osaki, President.

### Qualifications

- Degree in Civil Engineering or a related field
- Colorado EIT or PE with a minimum of three years of design experience
- Design proficiency in MicroStation
- Excellent problem solving, communication, and writing skills



The City of Greenwood Village,  
Colorado  
Public Works Department

Welcomes your interest in the position of:

**Project Manager II – Traffic Program**

2011 Salary:

\$5,206 - \$7,741 per month

Requisition Number: 11-114

**Summary of Duties:**

The purpose of this position is to identify, evaluate, design and construct improvements to provide safe, efficient, and appropriate traffic progression along Village roadways in support of the adopted transportation plan.

**Position Qualifications:**

The knowledge and skills needed to be successful in this position are typically gained through the attainment of a Bachelor's Degree from an accredited university with major coursework in civil engineering, traffic engineering or related field and three years of responsible civil or traffic engineering experience. Must have an appropriate, valid Certificate of Registration as an Engineer-In-Training. Registration as a Professional Engineer issued by the State of Colorado is desirable.

**Application Procedure:**

Visit our website at [www.greenwoodvillage.com](http://www.greenwoodvillage.com) or submit a completed application to the City of Greenwood Village, City Hall, 6060 S. Quebec St., Greenwood Village, CO 80111-4591. **A completed City application is required.** Applications and a detailed list of essential functions are available at the Greenwood Village City Hall. For additional information, contact Human Resources at 303-773-0252, Monday through Friday between the hours of 8:00 am and 5:00 pm.

## 2011—2012 Executive Committee



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Chris Sheffer  
City of Centennial  
303-325-8012  
[csheffer@centennialcolorado.com](mailto:csheffer@centennialcolorado.com)



**Vice-President**  
John LaSala  
City and County of Denver  
720-913-4534  
[john.lasala@denvergov.org](mailto:john.lasala@denvergov.org)



**Secretary/Treasurer**  
Aaron Heumann  
Martin/Martin  
303-431-6100  
[aheumann@martinmartin.com](mailto:aheumann@martinmartin.com)



**Past President and Website Committee**  
Greg MacKinnon  
DRCOG  
303-480-5633  
[gmackinnon@drcog.org](mailto:gmackinnon@drcog.org)



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Nitin Deshpande  
Jacobs  
303-223-5889  
[nitin.deshpande@jacobs.com](mailto:nitin.deshpande@jacobs.com)



**Scholarship and Career Guidance Committee**  
Melissa Rosas  
Apex Design, PC  
303-339-0440  
[melissa.rosas@apexdesignnpc.com](mailto:melissa.rosas@apexdesignnpc.com)



**Activities Committee**  
Emily Gloeckner  
Fehr & Peers  
303-296-4300  
[e.gloeckner@fehrandpeers.com](mailto:e.gloeckner@fehrandpeers.com)



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303-721-1440  
[dave.hattan@fhueng.com](mailto:dave.hattan@fhueng.com)



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Rich Follmer  
Felsburg, Holt & Ullevig  
303-721-1440  
[rich.follmer@fhueng.com](mailto:rich.follmer@fhueng.com)



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Jeff Ream  
Felsburg, Holt & Ullevig  
303-721-1440  
[jeff.ream@fhueng.com](mailto:jeff.ream@fhueng.com)



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Joe Henderson  
Sustainable Traffic Solutions, Inc.  
303-589-6875  
[joe@sustainabletrafficsolutions.com](mailto:joe@sustainabletrafficsolutions.com)



**Vendor Show Coordinator**  
Will Johnson  
AM Signal  
303-408-1812  
[will@amsignalinc.com](mailto:will@amsignalinc.com)



**Section Scribe**  
Kari McDowell Schroeder  
McDowell Engineering, LLC  
970-623-0788  
[kari@mcdowelleng.com](mailto:kari@mcdowelleng.com)

**Legislative Committee**  
[vacant]



**Activities Report Coordinator**  
Sarah Karjala  
DRCOG  
303-480-6762  
[skarjala@drcog.org](mailto:skarjala@drcog.org)



**University of Wyoming Student Chapter Liaison**  
Chris Vokurka  
303-955-8302  
[cvokurka@gmail.com](mailto:cvokurka@gmail.com)



**Newsletter Editor**  
Bart Przybyl  
Apex Design, PC  
303-339-0440  
[bart.przybyl@apexdesignnpc.com](mailto:bart.przybyl@apexdesignnpc.com)



**University of Colorado at Denver—Student Chapter Liaison**  
Freddy He  
URS Corporation  
303-796-4772  
[freddy.he@urs.com](mailto:freddy.he@urs.com)