



Conveyances

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

Members of the Outstanding ITE Section ...



Happy New Year! Here's wishing that everyone's holidays were safe and enjoyable.

Thanks to all those who donated non-perishable food items at the December luncheon. Our Section donated an impressive haul of several boxes of food to the Food Bank of the Rockies.

As we move on with this new year, I have a number announcements and updates. First, the membership has approved the revised Section Bylaws. I have requested that the Western District Board consider approval of the Bylaws at their mid-year meeting February 4th in San Diego. Upon their approval, the process will be complete and the new Bylaws will be fully-adopted and in effect for our Section.

Second, the Section Executive Committee is hosting a breakfast in Cheyenne, Wyoming, on February 4th, to coincide with the Wyoming Engineering Society annual convention (<http://tinyurl.com/2dy54hl>). This breakfast is arranged largely for the benefit of our members in Wyoming, but the invitation is open to the entire membership, which also represents an opportunity to participate in the convention. This is an effort to reach our goal of "bringing more people together". The other Section officers and I are looking forward to spending some time with our Wyoming members. We are also looking forward to receiving input from those members regarding subsequent events.

Third, following along with the theme of collecting membership input, the Section Executive will be distributing an electronic survey early this year. The main goal of

the survey is determine the needs and desires of our members, which will help the Section Executive Committee determine the direction to take the organization. Also, the survey results will serve as a baseline of information and will allow the Executive Committee to measure its progress over the coming years. When the survey notice comes out, please consider spending 10 – 15 minutes providing your input. Surveys that are submitted with member contact information will be included in a drawing for \$250.

Fourth, the planning for the 9th Annual Spring Transportation Symposium is underway. The event is scheduled for April 8th. This year we have several organizations participating in addition to ITE, including: WTS - Colorado, ITS Rocky Mountain Chapter, ASCE Colorado Section, ACEC-Colorado, and APA Colorado. I am excited about the positive influence this expanded and broader participation will bring to the event. Please consider presenting a paper at this event. If you wish to volunteer for the organizing committee, please contact Karl Packer (karlpacker@hotmail.com).

Finally, the next meeting is the Annual Vendor Show, which will be held in the Arvada Center on January 21st. The event details and registration information are on page 10. This event is a great opportunity to talk directly with vendors to both learn more about the available products and provide input on product needs. I am especially excited about this year's event because we are making some changes to the event format to allow attendees more time to interact with the vendors. Please consider attending and let us know what you think of the new format.


Greg Mackinnon
President
Colorado-Wyoming Section ITE

Upcoming Events ...

Vendor Show - Page 10	Jan. 21, 2011
Wyoming Engineering Society Breakfast - Page 11	Feb. 4, 2011

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December Luncheon

by Kari McDowell, Section Scribe

A Colorado/Wyoming Section of ITE luncheon was held on Friday, December 3, 2010 at the Oxford Hotel in downtown Denver. Section President, Greg MacKinnon, presided over the meeting. Everyone did self-introductions as is customary for the larger meetings. The luncheon's honored guests were introduced: Dr. Jim Anderson, John Thompson, and Bill Hange.

Greg MacKinnon thanked everyone for bringing their non-perishable food donations. He also announced that Joe Henderson was the winner of the Puzzle Maniac contest in last month's newsletter.

There is an upcoming free webinar about LED traffic signals in winter weather conditions. Section members were also invited to participate in the Western District's "Best of the Best of the West"- a compilation of the top 25 technical articles. More information can be found in the Announcements on page 6.

The Section is considering a ski bus trip in February. Please contact Eric Boivin if you are interested in attending.

The Spring Transportation Symposium is being led by our Colorado/Wyoming ITE Section this year. It has been expanded to include APA, ACEC, and ASCE, in addition to our normal co-hosts of WTS and the Rocky Mountain ITS Chapter. Please contact Karl Packer at karlpacker@hotmail.com if you are interested in volunteering.

John LaSala thanked this year's corporate sponsors for their support of the Section and our activities. The Section has a record-breaking 23 sponsors this year.

Greg MacKinnon presented John Thompson with a Lifetime Membership to ITE.

Dave Hattan presented the Colorado/Wyoming Section's Lifetime Achievement Award to Bill Hange. The award recognizes an individual who has given tremendous contribution to the Section and the profession of transportation engineering. Derek Schuler, City of Loveland, also gave a personal account of working with Bill. Bill thanked the Section and his family for supporting him

throughout his engineering career. He then engrossed us with an account of the "three cowboys", each representing a different stage of his career.



Section Vice President Chris Sheffer then introduced the speaker, Dr. Jim Anderson. Dr. Anderson then entertained the Section with a colorful presentation on the soft skills that engineers need in giving presentations.

A video of the luncheon will be posted on the Section's website at www.cowyite.org. The Colorado/Wyoming Section contact is Greg MacKinnon of the Denver Regional Council of Governments, (303) 480-5633; gmackinnon@drcog.org. Also, please visit our Section's website at www.cowyite.org.

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Awards Committee

by Dave Hattan, Chair

**COLORADO/WYOMING 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 by February 11, 2011 for notable activities during the calendar year 2010. 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) 299-7811 for more information about this award or to make a nomination.

Membership Committee

by Trung Vo, Chair

The following members have made recent employment changes:

- Will Johnson is now with Apex Design.

If you recently joined ITE, changed jobs, or have been recognized for a particular achievement (such as receiving award or passing your P.E.), let me know so we can mention it in an upcoming Conveyances newsletter. Please email your news to me at trung.vo@denvergov.org. Also, 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. However, if you are a Section Affiliate, make sure to give your change in employment to the local Membership Chair at trung.vo@denvergov.org.



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Member Profile—Michelle Melonakis

by Trung Vo, Membership Chair



Background: Michelle Melonakis works for the City and County of Denver as a Signal Engineer in the Public Works Traffic Engineering Services department. She is responsible for signal timing, signal construction, and all traffic operations at signalized intersections in Northeast Denver.

Michelle was born in Denver, and after a few stints on the West Coast, she resides in Denver today. She attended Colorado State University in Fort Collins and has a Bachelor's of Science Degree in Civil Engineering. She has been a member of ITE for 2 years and has been active in other organizations including ASCE and WTS.

Michelle has two younger sisters, a step-brother, is close to her parents, and considers O'Malley, her cat, a part of her family as well.

What do you view as the toughest transportation challenges in the CO/WYO area (eg, if you were Empress, how would you focus transportation spending)?

I think that the different densities in the region create ideological differences in modal preferences. We have a major influence in the urban areas to have multi-modal choices, while the rural areas still require a dependence on the automobile for their primary mode of transportation. The nexus of where these areas meet provides an interesting traffic/transportation challenge.

As Empress, I would look to fund autonomous personal transport pods and have people ride a rail system like a roller coaster to make travel more exciting and fun! Well, that isn't too practical, but hey, I'm the Empress!

What has been the most interesting/challenging project you have worked on and the outcome?

I am currently working on the East Corridor Rail Line Project. It is challenging because it is a situation unlike any other in the country, and we're adopting new standards and using new controllers and detection technology. Most of the feasible traffic improvements are very costly and create access issues and other negative social impacts. We really have to get creative and think outside the box. It's also very interesting to work with so many different government and private agencies.

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

I would have been more aggressive in looking for and applying for interesting and different opportunities, like something overseas in South America or Africa.

What is the best vacation that you have been on?

My trip to Vietnam was the best one that I have been on. I felt that on that trip I was able to get to know the people more intimately, and rather than seeing museums or tourist areas, I was able to experience the culture through the people. It was an amazing experience! The food was exquisite too! Vietnamese people are the best!

What is the most recent movie that you have seen and how would you rate it?

I just watched TRON: Legacy. It was pretty awesome! I recommend that you watch the first one and opt out of the 3-D if you can.

Who are some of your favorite actors and one of their great performances?

Zooey Deschanel was great in 500 Days of Summer and I really liked Zach Braff in Garden State.

“I would have been more aggressive in looking for and applying for interesting and different opportunities, like something overseas in South America or Africa.”

What is your best ITE moment (such as a topic, award, event, food, location)?

I really liked the presentation on Continuous Flow Intersections. It was interesting and was technical enough to intrigue me so that I would stay involved. The best food was the steak with peppercorn sauce and asparagus, I can't remember which session this was or where it was at!

In an effort to get to know our members better, one of our future regular Conveyances articles will be a personal profile in which we feature one of our ITE members. If you are interested in interviewing someone or being interviewed, please contact Trung Vo at (720) 913-0721 or at trung.vo@denvergov.org. Thank you!

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 December 15, 2010		
Income	Budget	Actual
Executive Committee		
Business Card Ads	\$3,375.00	\$5,175.00
Dues - ITE Payment	\$4,000.00	\$192.00
Dues - Misc	\$300.00	\$0.00
Employment Ads	\$150.00	\$100.00
Interest	\$200.00	\$40.19
Lunch Meetings	\$9,700.00	\$5,074.00
Spring Symposium	\$8,250.00	\$0.00
Vendor Show	\$11,200.00	\$0.00
Activities		
Annual Activity	\$2,500.00	\$0.00
Continuing Education		
Golf	\$8,000.00	\$0.00
Subtotal	\$52,175.00	\$11,001.19
Expense	Budget	Actual
Executive Committee		
Administrative	\$1,400.00	\$460.34
President's D6 registration	\$500.00	\$0.00
Bank Charges	\$100.00	\$10.00
EC Meetings	\$1,000.00	\$471.54
Lunch Meetings	\$10,600.00	\$6,186.31
Program Committee	\$1,500.00	\$825.27
Newsletter Contest	\$100.00	\$80.00
Table Survey Contest	\$0.00	\$50.00
Spring Symposium	\$8,250.00	\$0.00
Vendor Show	\$7,000.00	\$0.00
Activities		
Charitable Giving	\$1,000.00	\$700.00
Happy Hour	\$350.00	\$0.00
Annual Activity	\$2,500.00	\$0.00
Awards		
	\$250.00	\$173.81
Continuing Education		
	\$4,500.00	\$388.18
Membership Committee		
	\$240.00	\$0.00
Golf		
	\$8,000.00	\$0.00
Student Chapter		
	\$3,000.00	\$0.00
Technical Committee		
	\$0.00	\$0.00
Website Committee		
	\$250.00	\$0.00
Website Upgrade		
	\$1,635.00	\$0.00
Subtotal	\$52,175.00	\$9,345.45
Total	\$0.00	\$1,655.74

Continuing Education Committee

by Joe Henderson, Chair

The Continuing Education Committee is planning two training opportunities.

Tru-Traffic – Schedule to be Determined (Likely Spring 2011)

Tru-Traffic TS/PP (formerly TS/PP-Draft) is a worksheet for drafting Time-Space, Platoon-Progression, or Time-Location diagrams and, with a GPS receiver, for conducting travel time and delay studies. Using Tru-Traffic TS/PP you can quickly develop either type arterial timing diagram for an artery, a set of intersecting arteries, or a signalized network. You may view the entire diagram or set of diagrams in high resolution on the screen at once. You can easily adjust any parameter (cycle length, offset, phase sequence, splits, scales, green bands, volumes, etc.) for any intersection as often as desired.

The seminar will include the following topics:

- Overview of Tru-Traffic
- Creating time-space/platoon-progression diagrams
- Performing travel-time and delay studies
- Tip & Tricks for arterial diagrams, trip logs, travel-time and delay studies
- Creating user-defined formulas for the travel-time and delay report

CSS Advanced Series: Flexibility in Design – A New Way of Thinking. (Schedule to be Determined)

This two day seminar is currently being planned jointly with the Colorado Section of ASCE.

Context Sensitive Solutions (CSS) is a process that recognizes that all users have an integral stake in the ways in which the design of new transportation facilities and the reconstruction of existing transportation facilities can affect the quality of their lives. The CSS process is rooted in a successful community outreach and consensus building program that advances a project forward through public support. Flexibility in Design is a key component that creates greater opportunities in addressing stakeholders concerns. The identification of a broader range of transportation solutions can be realized utilizing the philosophy set forth in the *AASHTO Policy on Geometric Design of Highways and Streets* (Green Book) and the latest *AASHTO Flexibility in Design Guidelines*. Flexibility in Design skills and techniques are required to overcome barriers or obstacles normally anticipated under a conventional design philosophy.

The seminar provides an in depth look at Flexibility in Design as a part of the Context Sensitive Solutions (CSS) approach to the planning, design, construction and maintenance of transportation improvement projects.



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.

BEST OF THE BEST IN THE WEST

The Western District will be publishing an online “Best of the Best in the West” technical newsletter May 2011. It will consist of top 25 technical articles selected submittals from our district. There will be a limit of only one article per agency or company. The article is limited to 3,500 words and may include photos. The last day to submit your article is April 1, 2011. If you have any questions please Zaki Mustafa zaki.mustafa@lacity.org. Completed articles are to be submitted to Nathan Mustafa ntmustafa@gmail.com.

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Legislative Committee Update

by *Scott Thomas, Chair*

This month's legislative update focuses on the SAFETEA-LU reauthorization/extension for highways and transit. The information was provided courtesy of ACEC Colorado, as part of their legislative update.

SAFETEA-LU Reauthorization/Extension

The Senate passed an extension of the SAFETEA-LU funding and programs through March 4, 2011. The long term extension of SAFETEA-LU got wrapped up in the year-end appropriations process, which went unresolved. Congress failed to pass a single appropriations (spending) bill for the current fiscal year. Government agencies and programs will operate under a short-term extension until further resolution.

Transportation funding in the House-passed bill is below 2010 levels, primarily because of three changes:

1. High speed rail funding is reduced from \$2.5 billion to \$1 billion, consistent with the Administration's budget request;
2. A general fund contribution of \$650 million for highway formula funding to states is eliminated; and
3. Earmarks totaling \$293 million are eliminated.

Here is a summary of other major transportation programs in the House-passed bill:

1. Highways = \$41.8 billion, down from \$42.8 billion in 2010
2. Transit = \$10.7 billion, essentially flat
3. Airport Improvement Program = \$3.5 billion, same as 2010
4. Amtrak = \$1.58 billion, level with 2010
5. High-speed Rail = \$1 billion, down from \$2.5 billion in 2010

The Senate Appropriations Committee recently unveiled a comprehensive spending bill for 2011 that covered all agencies and programs, totaling \$1.2 trillion. However, Senate Majority Leader Reid announced that he lacks the 60 votes necessary to advance the omnibus spending bill. He also indicated that the Senate cannot pass a year-long continuing resolution, either. The Senate is

The Senate is now expected to clear a short-term extension into early 2011, probably mid-February. This will leave the 2011 appropriations process in the hands of the new Congress to complete.

2011 Preview

2011 holds changes as the House is under new leadership with Republicans taking over 63 House seats in the election, giving them a 242-193 majority. Democrats lost 6 Senate seats, but maintained a majority of 53-47.

In the House, John Mica of Florida will chair the Transportation and Infrastructure Committee, taking Oberstar's place. Nick Rahall of West Virginia will be the ranking Democrat on the committee. In the Senate, Barbara Boxer of California will continue to chair the Environment and Public Works Committee, with Jim Inhofe of Oklahoma returning as the top Republican on that panel.

Incoming House leaders believe they have a public mandate to cut spending and reduce the size of government. They have publicly declared their intention to reduce spending to 2008 levels.

Senior Appropriations Committee leaders have singled out unspent stimulus funds for rescission. For transportation, that would be unobligated TIGER grants and high-speed rail funds that have been committed to certain states/projects but not necessarily "obligated" under budget rules. Senate Democrats and the Administration will undoubtedly oppose this action.

The President's bi-partisan deficit commission made a sweeping proposal on taxes, spending and reforms to mandatory programs that will influence the budget and deficit debate in 2011 and 2012. For transportation, the commission recommended a 15-cent gas tax increase dedicated solely to the Highway Trust Fund for transportation improvements. The commission singled out infrastructure investments as critical to economic growth.

Continued on Page 8



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Continued from Page 7

Reauthorization

There are four basic scenarios for the surface transportation bill next year:

1. A 6-year bill supported with new/additional revenue to support increased funding.
2. A 6-year bill restricted to existing revenue (projected at ~\$230 billion), focused on core federal programs and coupled with provisions to leverage additional private investment, e.g. PPPs, tolling, banks, bonding, and other financing.
3. A reauthorization of shorter duration, e.g. 2-3 years, limited to existing revenue, along with some reforms to existing programs.
4. Continued short-term extensions of existing programs and funding levels.

The Administration is expected to release elements of its reauthorization proposal, if not a full-blown bill, in conjunction with its 2012 budget submission in February 2011.

Technical Committee Interest Column

by Nitin Deshpande, P.E., Jacobs

Winter is upon us. It is also a time when, during blizzards, ice and snow blown into traffic signal lenses stick to them. In recent years, the issue of ice and snow build-up on the lenses of the traffic signal lights has been noted as an issue by both public agencies and the news media. The lack of heat from Light Emitting Diode (LED) versus an incandescent light source has been identified as a problem, especially during severe snowstorms. In the past, the heat generated by the incandescent bulbs would melt the snow, but the new LED lights do not produce enough heat.



The two main advantages of LED lights are – very low power consumption and very long life. The savings resulting from the low energy usage of LED lights can be as high as 90% as compared to the incandescent light source. In addition, the long life of LED lights, as high as 7 to 10 years, means low maintenance costs, which makes LED lights a worthwhile investment and also environmentally-friendly. Unfortunately, with the adoption of LED lights, on those rare occasions and at those few locations where snow build-

up occurs on signals, the snow impedes the signal visibility and ultimately creates hazardous intersections. Installing heating elements to remove the occasional snow build-up erodes the power advantage of LED lights over incandescent bulbs.


The NCHRP Report 387 – *LED Traffic Signal Monitoring, Maintenance, and Replacement Issues* – briefly mentions the need of additional maintenance work to clear the signal faces after a driving snow storm but does not provide any guidance to mitigate this effect. Transportation departments in several snow states have been testing potential solutions to the problem, including installing weather shields, adding heating elements like those used in airport runway lights, or coating the LED lights with water-repellent substances. A quick review of highway departments in several snow states also indicates that the traffic signal crews take a variety of steps to clear LED signal indications. Some agencies use Super Soaker-type squirt guns filled with anti-freeze or some similar-acting chemical to melt the snow from the lens; some agencies apply a chemical compound to the signal lenses; some agencies simply wipe the lenses clean with a rag or brush from an aerial truck or use air compressors to blow off snow and ice off blocked lights.



The Colorado Department of Transportation (CDOT) has been using the scoop visors and seems to think they work. This low-tech solution seems to be cost-effective and energy efficient. The Scoop Tunnel Visor has a beveled opening that provides air circulation around the LED lights, reducing snow build-up. CDOT has installed over 100 visors on 30 signals mostly in the snowy plains east of Denver, along Front Range foothill communities and up the I-70 corridor into the high country. The visors are mostly installed on north-facing signals that are often obscured by blizzards blowing horizontal snow from that direction.




Finally, I conclude this column by offering a safety tip – if a traffic signal is obscured by snow, treat it as a non-working traffic signal. There are laws in place that say that motorists should treat non-working traffic signal as a stop sign.

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Puzzle Maniac

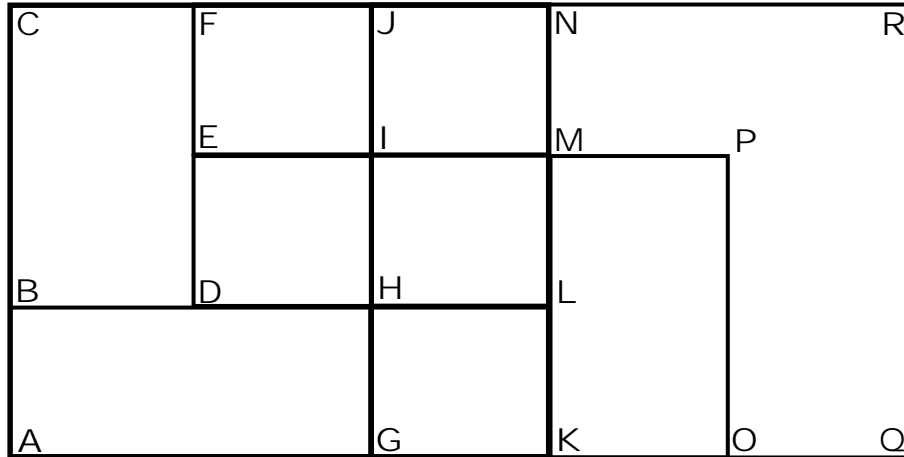
by Bart Przybyl, Newsletter Editor

Congratulations to **Joe Henderson**, who was last month's Puzzle Maniac winner! He chose to receive a free luncheon.

For this issue's puzzle, the goal is to find all the squares that are present within the rectangle below. Please use the letters in the corners to identify the squares. The person with the highest number of squares will be the

winner, and if there is a tie, then the submission date and time will be used as the tie-breaker. Please send your answer to bart.przybyl@apexdesignnpc.com by January 14, 2011.

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—5, 13, 20, 11, 13, 8, 17, 20, 20, 20, 14, 12, 13, 20, 18, 1

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JANUARY LUNCHEON

What: ITE Colorado-Wyoming Section Annual Vendor Show and Luncheon Meeting

When: **Friday, January 21, 2010**

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



Time:

- 11:00 a.m.— Exhibits and Registration and Networking
- 11:30 a.m.— Hors d'œuvres Served
- 12:00 p.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. FLIR Systems Inc. and Gades Sales presentation on the new FLIR Thermal Traffic Cameras. The FLIR Thermal Traffic Cameras are a drop in replacement for optical cameras and utilize existing processors. The thermal cameras are not subject to many of the common problems that visible light cameras have such as sun glare, reflections, headlights, weather and shadows. They have the ability to reduce maintenance costs, increase safety and are useful in multiple ITS Applications. To attend this hands on demonstration prior to the show please RSVP to John Snider, Gades Sales, at jsnider730@aol.com.

Program: Annual Vendor Show

Cost: \$30.00 for Members
 \$30.00 for Non-Members

Menu: Hot and Cold Hors d'œuvres and Lunch Buffet with Pasta Station, Roast Beef Carving Station and Salmon Stations

Upcoming Luncheon Dates:



Events Calendar

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



January 21, 2011
CO/WY ITE Vendor Show
Arvada Center

January 28, 2011
CO/WY ITE Section
Executive Committee Meeting



February 3-4, 2011
Wyoming Engineering Society
Convention
Cheyenne, WY
The Colorado/Wyoming ITE Section Executive Committee will be hosting a breakfast on February 4th.



March 4, 2011
CO/WY ITE Section Luncheon
Colorado Springs

March 11, 2011
CO/WY ITE Section
Executive Committee Meeting



April 8, 2011
Ninth Annual Spring
Transportation Symposium
Denver Metro

April 15, 2011
CO/WY ITE Section
Executive Committee Meeting



May 13, 2011
CO/WY ITE Section Luncheon
Denver Metro

May 19-21, 2011
Intermountain ITE Section
Annual Meeting
Jackson Hole, WY

May 20, 2011
CO/WY ITE Section
Executive Committee Meeting



July 10-13, 2011
ITE District 6 Annual Meeting
Anchorage, AK










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Muller Engineering Company, Inc.
Consulting Engineers

777 S. Wadsworth Blvd., Suite 4-100
Lakewood, Colorado 80226
303.988.4939 • www.mullereng.com

Project Traffic Engineer

Muller Engineering Company is an employee-owned, multi-disciplined engineering firm offering services in transportation, hydrology/drainage, water/sewer utilities and general civil engineering. Founded in 1980, Muller Engineering is located in the Denver metropolitan area and serves government-sector clients throughout Colorado.

Muller Engineering is seeking a highly qualified Project Traffic Engineer with 5-10 years of traffic engineering experience. Desirable qualifications include a Colorado P.E. license, and a strong background in the areas of traffic simulation modeling, traffic signal operations, corridor planning, safety studies, report writing, and traffic engineering design. The successful candidate will be highly motivated and possess excellent written and oral communication skills. Knowledge of CAD software (MicroStation) and/or travel demand modeling (TransCAD) experience is a plus.

Muller Engineering offers a competitive salary and excellent professional growth opportunities. Our benefits include vacation/sick leave, health/dental/vision insurance, life/disability insurance, 4½ day (40 hour) work week, professional development, 401K matching contribution, and an employee profit sharing/bonus program.

Candidates should submit cover letter, resume and references to rcarlson@mullereng.com.

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