Section Annual Report Form
for the period 01/01/2014 to 12/31/2014
for the Colorado / Wyoming Section

Section Officers:

President Anna Bunce
Vice President Freddy He
Secretary/Treasurer Ryan Germeroth
Past President Aaron Heumann
Technical Committee Nitin Deshpande
Legislative Committee Scott Thomas
Membership Committee Rich Follmer
Scholarship & Career Guidance Alex Larson
Continuing Education Committee Christopher Sheffer
Newsletter Editor Bart Przybyl
Awards Committee John La Sala
Website Committee Greg MacKinnon
Activities Committee Emily Gloeckner
Golf Committee Chris Hopkins
Section Scribe Lou Davenport
Social Media Coordinator Lisa Truong
Activities Report Coordinator Dan Eybs
Vendor Show Coordinator Will Johnson
Symposium Coordinator Kari McDowell Schroeder
Student Chapter Professional Liaisons Chris Vokurka (University of Wyoming)
Lisa Truong (University of Colorado Denver)

Membership:

Number of Section Members 347
Section Annual Dues Rate $ 12

Membership:

<table>
<thead>
<tr>
<th>Number</th>
<th>Membership Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Honorary</td>
</tr>
<tr>
<td>15</td>
<td>Fellow</td>
</tr>
<tr>
<td>15</td>
<td>Fellow Life</td>
</tr>
<tr>
<td>13</td>
<td>Fellow Retired</td>
</tr>
<tr>
<td>205</td>
<td>National Member</td>
</tr>
<tr>
<td>10</td>
<td>Member Life</td>
</tr>
<tr>
<td>7</td>
<td>Member Retired</td>
</tr>
</tbody>
</table>
Financial:

For U.S. entities, does your district have a Federal Employer Identification Number?
[X] Yes  [ ] No

If yes, what is the number? 93-0995361
If no, do you have a group tax exemption?
[ ] Yes  [X] No

Balance of Funds on hand at the Beginning of the Reporting Period:  $ 33,569.01

I. Income for the Reporting Period:

District Dues $ 2,877.14
Income from Meetings $ 8,737.38
Investment Income $ 0.00
Advertising Income $ 8,173.60
Contributions $ 0.00
Other Principal Sources of Income:
Dues – LAF $ 1,198
Interest $ 7.41
Vendor Show $ 16,405
Golf $ 15,610
Annual Activity $ 3,985
Continuing Education $ 1,190

Total Income: $ 58,183.53

II. Expenditures for the Reporting Period:

a. Newsletter Production and Distribution $ 103.95
b. Travel $ 1,776.89
c. Meetings $ 14,507.97
d. Special Projects (Happy Hour & Annual Activity) $ 6,721.84
e. Awards $ 5,469.16
f. Honorariums (Membership Committee) $ 86.16
Other Expenditures:
a. Administrative $ 948.57
b. Bank Charges/Fees $ 374.15
c. Vendor Show $ 9,428.10
d. Charitable Giving $ 2,000.00
e. Continuing Education $ 1,012.86
f. Golf $ 13,024.80
g. Transfer to Scholarship Fund $ 5,297
Do you reimburse committee chairs for travel and expenses?
[ ] Yes   [ X] No

Was there a change in the District Bylaws during this reporting period?
(If yes, please send a copy of the new bylaws to ITE Headquarters, Courtney Day)
[ ] Yes   [X] No

Technical Activities:

Paper Presentation at the TRB Annual Conference:
- Wesley Marshall - Understanding the Level of Integration of Light-Rail Transit into Communities in the Denver Region, Colorado
- Krista Nordback - Comparison of Non-motorized and Motorized Traffic Patterns
- Bruce N. Janson - Ten-Year Review of Light-Rail Crash Patterns Based on Alignment and Operational Configuration Type

The following Section members presented their technical papers at the Joint Western/Midwestern ITE District Annual Meeting Rapid City, South Dakota in June-July 2014:
- Bart Przybyl – Transit Signal Priority in the Denver Metro Region
- Kenneth A. Ryan - Correlating Sun Glare and Traffic Accidents

Colorado/Wyoming ITE conducted several meetings for the membership. In the past year the meeting topics included:
- The Colorado Springs Urban Wildland Interface Wildfire Evacuation Plan (March 2014)
- Car Share Challenges from the Operator and Jurisdictional Perspectives (May 2014)
- Public Outreach Strategies, Process, and Lessons Learned for CDOT’s Major Transportation Projects, Western District Update (September 2014)
- North Metro Rail Line Design-Build Project (November 2014)
- DRCOG’s Land Use and Travel Demand Models (December 2014)

The technical committee is currently representing the Section in setting up the technical program for the Spring Transportation Symposium being held in Denver in April 2015. The other participating organizations include ASCE, APA, WTS, ACEC and ITS Rocky Mountain Chapter.

Legislative Activities:

The Legislative Committee is responsible for monitoring transportation-related policy throughout Colorado and Wyoming and reporting on matters relevant to the Section. The Legislative Committee posts a legislative update in the newsletter and maintains the legislative news
webpage. The topics of the articles are included below:

- GOVERNOR’S CANDIDATES VIEWS ON TRANSPORTATION (October 2014)
- Keeping Tabs on Transportation Legislation (December 2014)

The legislative article archive is available: [http://www.cowyite.org/legislative/index_archive.shtml](http://www.cowyite.org/legislative/index_archive.shtml)

The Legislative Committee also may serve as a clearinghouse for technical information, helping to connect transportation decision-makers with the expertise of the Section membership.

**Meetings held during this reporting period:**

*Régular Luncheon/Séminars:*

Date: 1/24/14  Purpose: Vendor Show  
Location: Arvada, CO  
262 Attendees  
34 Vendors

Date: 3/7/14  Purpose: Evacuation Planning for the Waldo Canyon Fire of July 2012  
Location: Colorado Springs, CO  
40 Attendees

Date: 4/4/14  Purpose: 11th Annual Spring Transportation Symposium  
Location: Pepsi Center, Denver, CO  
320 Attendees

Date: 5/9/14  Purpose: Denver Metro Area Car Sharing  
Location: Denver, CO  
65 Attendees

Date: 9/26/14  Purpose: Public Outreach Strategies, Process and Lessons Learned for CDOT’s Major Transportation Projects.  
Location: Centennial, CO  
90 Attendees

Date: 11/7/14  Purpose: North Metro Rail Line Design-Build Project  
Location: Loveland, CO  
70 Attendees

Date: 12/12/14  Purpose: DRCOG’s Urban Simulation Model and the Focus Model  
Location: Greenwood Village, CO  
100 Attendees

*Continuing Education Workshops/Training:*

Date: 2/26/14  Webinar Subject: Easy Ways to Present with Poise  
Location: Denver, CO  
4 Attendees

Date: 4/15/14  Webinar Subject: Bluetooth Technology in Transportation  
Location: Denver, CO  
4 Attendees

Date: 5/7/14  Webinar Subject: Automated Traffic Signal Performance Measures  
Location: Denver, CO  
8 Attendees
Date: 6/11/14  Webinar Subject: Critical Infrastructure Elements for Automated Traffic Signal Performance Measures
Location: Denver, CO  6 Attendees

Date: 10/24/14  Subject: Half Day Safety Seminar
Location: Denver, CO  48 Attendees

Special Meetings:

Date: 2/13/14  Purpose: Meet’n’Greet with Leaders of the Regional Transportation District
Location: Denver, CO

Date: 5/15/14  Purpose: Executive Committee Meeting and Happy Hour
Location: Denver, CO

Date: 6/13/14  Purpose: Annual CO/WY ITE Golf Tournament
Location: Castle Rock, CO

Date: 10/24/14  Purpose: Safety Analysis Seminar with bonus Happy Hour
Location: Denver Metro Area, Colorado

Student Section Activities:

University of Wyoming

https://www.facebook.com/UWyoITESStudentChapter

- September 24, 2014: Officer elections, Recap of Western District Meeting
- October 4, 2014: Field trip to Denver to look at Bicycle, Pedestrian, and Transit facilities
- October 22, 2014: Connected and Autonomous Vehicle Technology at the 2014 ITS World Congress
- November 7, 2014: CO/WY ITE Section Meeting - North Metro Light Rail Design-Build Project.
- November 12, 2014: Steven Vander Giessen will be talking about Continuous Flow Intersection design in Colorado Springs.
- November 22, 2014: Steven Vander Giessen, URS – Reconstruction of US 34 after Major Flooding of the Big Thompson River
- December 10, 2014: ITE Fall Social Event
- December 12, 2014: CO/WY ITE Section Meeting – DRCOG’s Land Use and Travel Demand Models

University of Colorado Denver

https://www.facebook.com/CUDenverITE

- February 5, 2014: ITE student group hosted the City and County of Denver to discuss Connecting Auraria, which is the bicycle/pedestrian plan to better connections between downtown and campus.
February 13, 2014: CO/WY ITE Section Meet ‘n Greet, featuring leaders from RTD
April 1, 2014: Lunch, Meeting & Tour about Denver Union Station
May 8, 2014: Re-envisioning I-70 & ITE UCD Elections
May 9, 2014: CO/WY ITE Section Meeting - Car Sharing Challenges, presented by eGo CarShare and the City and County of Denver.
October 16, 2014: RTD members will be talking about different engineering and planning careers at RTD. We will meet at the RTD FasTracks, Civic Center Plaza.
November 7, 2014: CO/WY ITE Section Meeting - North Metro Rail Line Design-Build Project
November 19, 2014: representatives from Car2go come and talk about their History, Operations, Challenges, and Future. Car2go is offering FREE Membership + 30MINS.
December 4, 2014: a talk by Danielle Smith, President of the Women in Transportation Seminar (WTS)
December 12, 2014: CO/WY ITE Section Meeting - DRCOG’s Land Use and Travel Demand Models

Awards presented during this reporting period:

<table>
<thead>
<tr>
<th>Award Name</th>
<th>Purpose of Award</th>
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</thead>
<tbody>
<tr>
<td>Transportation Professional of the Year Award for 2013</td>
<td>The Transportation Professional of the Year Award recognizes notable professionalism and achievement in terms of technical contributions, project implementation success, and/or service to the Colorado/Wyoming Section during the previous calendar year.</td>
</tr>
<tr>
<td>Scott Zum</td>
<td>Plaque and recognition at the May luncheon meeting.</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Award Name</th>
<th>Purpose of Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifetime Achievement Award</td>
<td>The Lifetime Achievement Award recognizes continued, significant service to the transportation profession and the Colorado/Wyoming Section.</td>
</tr>
<tr>
<td>Bob Watts</td>
<td>Plaque and recognition at the December luncheon meeting.</td>
</tr>
</tbody>
</table>

Student Scholarships/Donations:

In order to encourage undergraduate and graduate level students pursuing careers in transportation-related fields, the Section provides the following scholarship opportunities on a yearly basis:

- The ITE CO/WY Undergraduate Level Scholarship – $1,500
- The ITE CO/WY Graduate Level Scholarship – $1,500
- The ITE CO/WY Executive Committee Leadership Award – $750 (Undergraduate or Graduate Students)

Scholarships were awarded by Alex Larson for undergraduate and graduate programs along with the EC Leadership scholarship at the December meeting of our ITE Section. A total of $5,250 in scholarships was awarded.
The 2014 CO/WY ITE Section charitable donations were divided among the Food Bank of the Rockies ($1000) and two local Engineers Without Borders projects—$500 each to the Rocky Mountain Chapter’s Nepal project and the Denver Chapter’s Madagascar project. The Section’s December food drive collected a total of 107 pounds of food, which was donated to the Douglas/Elbert Task Force.
It is official! The Colorado/Wyoming Section will be hosting the 2018 ITE Western District Annual Meeting in Breckenridge, Colorado. See you all there!

The Colorado-Wyoming Section of the Institute of Transportation Engineers is composed of 347 members, students, and section affiliates who work and study in the fields of transportation and traffic engineering.

The Section’s strategic goals are:

- **Bring more people together** – bring transportation professionals together to network, to learn, and to build communities.
- **Share more knowledge and experience** – provide access to key transportation-related information and continuing education.
- **Increase participation of students and younger members** – provide opportunities for student members and younger members to participate in the Section function and development.

Initiatives such as the Section’s strategic plan are what make the Colorado-Wyoming ITE Section a responsive and valuable organization. In addition, the members’ interest and enthusiasm for technical transportation topics continues to draw engineering professionals to the section. The following report provides a summary of the section’s membership and activities from 2014.

**Membership**

The Colorado/Wyoming Section has been effective in attracting a group of diversified professionals to the Executive Committee, which consists of 21 members from the public and private sectors. Executive Committee (EC) meetings are advertised in the newsletter and on the website calendar; members may attend the meetings to provide valuable input.

At the Executive Committee meeting in August 2014, the committee members voted to continue offering the following reduced rates for the Section’s regular luncheon meetings: members and local affiliates will only be charged $25; students and retirees will continue to be charged the reduced rate of $5; and nonmember attendees will be charged $35. In conjunction with the reduced luncheon rates, we also had a membership drive. Non-members were charged full price for luncheons, but they could join as a Section Affiliate of the Colorado-Wyoming Section and subsequently pay less than the cost charged to non-members to attend.

Finally, the Section focused on retaining existing membership through surveys. The information obtained provides the Executive Committee with extremely useful input on what they are doing right and what they need to improve on, and provides direction as to where the Section should be headed in the future.

**Section Meetings**

The Section meets throughout the year at seven regularly scheduled luncheon meetings supplemented by three or four other social events. The only months of the year we do not schedule events are July and August. The meetings include time for networking and technical presentations. The presentation topics at the 2014 Section meetings are included in the annual report above.

Each January the Section invites local traffic signal and signing vendors to a luncheon meeting. This event continues to grow in popularity with vendors setting up booths that allow an open house feel with
plenty of interaction. This is a great opportunity for the Section to connect with vendors and learn about the latest traffic hardware technology. In 2014, there were 262 attendees at the meeting and 34 vendors present; a record for the event.

The 11th Annual Spring Transportation Symposium, held in Denver in April 2014, brought together the following participating organizations: ITE, ASCE, APA, WTS, ACEC and ITS Rocky Mountain Chapter. In addition to a strong line-up of technical breakout sessions, the event featured a discussion panel focused on transportation funding and keynote presentations on the flood recovery efforts along US 34 through Big Thompson Canyon. A flyer for the event is attached to this report.

Social Activities

The Section’s golf tournament had 100 golfers participate at Red Hawk Ridge Golf Course in June 2014, and the event raised over $2,500 for scholarships. Following the tournament, the results of the Section Officer Elections were announced. The golf tournament continues to provide an opportunity for ITE members to interact and socialize while enjoying some friendly competition.

Other social events throughout the year included happy hours, and a Meet and Greet with RTD on February 13, 2014, which was attended by 75 transportation professionals and students.

Newsletter/Website

The Section published eight issues of our Conveyances newsletter over the reporting period. The newsletter is published approximately every six weeks, 10 days prior to each Section luncheon. The newsletters are published in an electronic format and are made available to the public through the Section’s website.

The newsletter content includes the president’s message, scribe report, treasurer’s report, committee reports, announcements that interest Section members, a monthly newsletter contest (entitled “Puzzle Maniac”) that nets the winner a $25 gift certificate, employment announcements, and information regarding the upcoming luncheons and events. The newsletter also includes a feature article called Life is a Highway. With a familiar and sometimes humorous style, the article’s author shares his views on current local and national issues. A member profile Section interviews selected members about significant career moments and accomplishments and, on a more personal note, hobbies and interests. An issue of Conveyances is included in Attachment 3.

The Section website, http://www.cowyite.org/, allows members to register for luncheons, training sessions, golf tournaments, and pay electronically through PayPal. Following the trial of video posts of Section luncheon meetings in 2009 and remote meeting access in 2011, the Section is continuing on a path of innovation with the website; to expand the reach of Section activities to all members of this large area. In addition, the Section maintains a Facebook page (https://www.facebook.com/COWYITE).

Awards

The Lifetime Achievement Award was presented in December and honors an individual who has contributed in an outstanding manner to the advancement of the transportation engineering profession. This year’s recipient – Bob Watts – recently retired from the Town of Castle Rock, as the Transportation Planning and Traffic Engineering Manager, after a 42 year career. He was a co-winner of the Colorado / Wyoming ITE Section’s Transportation Professional of the Year award in 1998 for his contributions toward the development of the State Highway Access Code.
The Transportation Professional of the Year Award was presented in May and recognizes notable professionalism and achievement by a Section member during the previous calendar year. The Transportation Professional of the Year Award was presented to Scott Zurn, Special Projects Manager for the Town of Estes Park, for his extraordinary flood response and recovery efforts in Estes Park. All Section members who were involved in the flood recovery were honored on the 1-year anniversary of the 2013 flood.

**Strategic Plan**

The strategic plan sets goals over the next five years and identifies specific strategies to attain those goals. Each year, the Section president will evaluate the Executive Committee’s progress towards the goals and, in consultation with the Executive Committee, will revise the strategic plan both to account for the rate of progress and to extend the five-year horizon.

The Section has achieved a number of the strategic goals identified in the strategic plan, including:

- Organized promotions to encourage attendance at multiple luncheons.
- Increased the volume of communications to membership through email, newsletters, the Section website, and Facebook in order to support Section goals.
- Filled the Student Chapter Professional Liaison position on the Executive Board for each Student Chapter.
- Integrated key data collection in regular activities that allows tracking of specific metrics. Required registration for all events and collect demographics (consultant/vendor, public agency, student, younger member, etc.) with registration.
- Established a Section mentoring program.
- Held a Section paper competition – winner receives recognition and assistance to present at the National ITE conference.
- Held a student paper competition – winner receives recognition and assistance to present at the National ITE conference.

**Mentoring**

Our Section is promoting a mentoring program that has a twofold purpose. First, it is an opportunity for the Section to increase the participation of younger members and students in Section activities. Second, the program gives younger transportation professionals an opportunity for personal growth and career development.

The program establishes one-on-one mentoring relationships between mentors (experienced transportation professionals) and protégés (student members and younger professional members) with the goal of regularly meeting to discuss the protégé’s professional and career development. These informal relationships will enable both individuals to build new skills; prepare for advancement and other growth opportunities; build self-esteem and self-confidence; and, in so doing, contribute to the fulfillment of personal professional development and goals.
Attachment 1: CO/WY ITE Section Strategic Plan
I. Bring more people together

**Luncheons and Vendor Show**

1) Increase proportion of public members at ITE-only luncheons to 40% by FY16.
2) Increase total annual luncheon attendance by 10% by FY16.
3) Increase the proportion of members that attend two or more luncheons per year to 50% by FY16.

**Activities**

4) Arrange and host at least two events per year starting in FY11 and increase attendance at events by 50% by FY16.
5) Arrange and host an annual winter “anchor” event (similarly popular to Ski Train) by FY14.

**Golf**

6) Arrange and host at least one golf tournament per year and increase tournament participation by 50 percent by FY16.

**Awards/Recognition**

7) Award two awards per year: Transportation Professional of the Year and Lifetime Achievement Award.

**Membership**

8) Expand directed Section communications to “prospective” members and local affiliates.
9) Expand network of ITE Champions by 50% by FY16.

**Symposium**

10) Associate two more groups with the annual symposium by FY14.

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**Strategies**

- Populate Program committee with more volunteers and hold regular meetings throughout the year.
- Program committee will identify current popular trends/topics and will develop a compelling program for the year. Program committee will seek Institute resources.
- Program committee will recognize that different topics may attract different member types.
- Program committee will coordinate with Technical and Continuing Education Committee for both ideas and to coordinate more training and education events with luncheons.
- Establish a budget for Program committee to provide flexibility to cover costs for higher profile speakers.
- Hold periodic meetings/social events for ITE Champions.
- Identify group of “prospective” members.
- Editorial committee will increase the volume of communications to membership through e-mail, newsletter, website, and Facebook to support Section goals.
- Promote and host more activities events each year. Identify activity interests through membership surveys.
- Organize promotions to encourage attendance at multiple luncheons.
II. Share more knowledge and experience

**Continuing Education**

1) Increase the total annual attendance at ITE-sponsored training by 25% by FY14.

**Legislative**

2) Provide membership an objective summary of all of state and federal transportation legislation.

**Technical**

3) Increase the number of papers being presented by members/Section at ITE events/meetings by 50% by FY16.

**Editorial (Communications)**

4) Expand outreach to remote members.

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**Strategies**

- Promote and host more training opportunities each year. Identify training needs/interests through membership survey results and target training to the needs.
- Identify resources that summarize legislation that have transportation impacts at local, state and national levels.
- Hold a Section paper competition – winner receives recognition and assistance to presenting at ITE conference.
- Editorial committee will increase the volume of communications to membership through e-mail, newsletter, website, and Facebook to support Section goals.
- Bring in national experts to hold conferences and training sessions.
III. Encourage more participation by students and younger members

**Scholarship & Guidance**

1) Increase the annual number of students submitting scholarship applications by 25% by FY16.

2) Increase younger member luncheon attendance by 25% by FY16.

3) Increase representation of younger members on Executive Committee to 30% by FY16.

4) Provide mentoring and assistance to all Student chapters to ensure stability and growth of chapters.

**Strategies**

- Establish specific due dates for scholarship submissions.
- Hold a student paper competition – winner receives recognition and assistance to presenting at ITE conference.
- Define and identify younger members and direct specific communications to those members.
- Promote the District mentoring program. Assist members who want to benefit from the program.
- Establish a Section mentoring program.
- Fill the Student Chapter Professional Liaison position on the Executive Board for each Student Chapter.
- Establish specific roles for younger members on Executive Committee.
- Actively work with Faculty Advisors to promote ITE membership and activities.
- Assist Student Chapters in establishing and achieving goals for the chapter.
- Organize promotions to encourage younger member luncheon attendance.
IV. Supporting Goals

1) Establish strong membership feedback loop by FY11

2) Establish effective means to track metrics for our goals and objectives by FY11.

3) Improve cooperation between other local engineering groups. Have regular contact with five other groups by FY16.

Strategies

• Issue a membership survey to both members and “prospective” members; issues table surveys at every luncheon; and, establish and maintain a “comment box” on our website.

• Executive committee will consider and respond to all survey/comment information collected.

• Integrate key data collection in regular activities that allows tracking of specific metrics. Require registration for all events and collect demographics (consultant/vendor, public agency, student, younger member, etc.) with registration.

• Monitor conference programs to determine the number of presentations attributed to the Section.

• President will consolidate and interpret data to produce an annual report commenting on the Section’s progress. This will be summarized in the Annual Section Activities Report.

• Identify a specific position on the Executive Committee to track information related to other local engineering groups (executive contacts, events calendar, etc.). Develop plan to collaborate with these groups to promote joint transportation related goals and, potentially, hold joint events.
Attachment 2: 2014 Transportation Symposium Flyer
**11TH ANNUAL SPRING TRANSPORTATION SYMPOSIUM**
**PRELIMINARY PROGRAM**

COLORADO CONVENTION CENTER  
APRIL 4, 2014

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**THE FUTURE OF TRANSPORTATION FUNDING IN COLORADO**

**Moderator:** Danny Katz  
**Will Toor**  
Director, Transportation Programs  
Southwest Energy Efficiency Project

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**Technical Session I**

9:30 a.m. - 10:45 a.m.

**Multimodal Transportation**

**Room 102**

**Moderator:** Freddy He

- Boulder Living Labs  
  Marni Ratzel, Bill Cowern, Carlos Hernandez

- Downtown Denver Circulator: From Vision to Implementation  
  Lacy Bell

- Grant Money-Moving People in Estes Park  
  Jessica Myklebust, Scott Zurn

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**Transportation Economics**

**Room 104**

**Moderator:** Susan Wood

- Economic Benefits Case for High Speed Rail in Colorado  
  David Krueger, Don Ulrich, Arleen Tanisaki

- Effects of Fuel Price Shocks in Transportation Economic Resilience and Affordability  
  Alejandro Hena

- Transportation: What's Economic Development Got to Do With It? (with apologies to Tina Turner)  
  Jeremy Nelson

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**Disadvantaged Communities**

**Room 106**

**Moderator:** Karen Good

- Disadvantaged to Sustainable — The Story of Three Women's Success  
  Virginia McCallister, Sandra Scanlon, Amanda O'Connor

- Environmental Justice and Whole Community Emergency Planning: Practical Approach to Outreach While Finding Common Ground Across Disciplines  
  Deborah W. Matherley

- Providing Rural Transportation Infrastructure for the Developing World  
  Majia Megan Gibbs

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**Student Poster Session**

10:45 a.m. - 11:15 a.m.

- Shoulder Running  
  **Room 102**  
  **Moderator:** Marileen Reimer

- Peak Period Shoulder Running - A New Concept for Colorado  
  Steve Long, David Singer

- 1-70 Eastbound Peak Period Shoulder Lane (FFSL) Safety Analysis  
  Dave Hattan

- Environmental and Community Considerations for Peak Period Shoulder Lanes  
  Gina McCallum, Kevin Shaikin

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**Technical Session II**

11:15 a.m. - 12:30 p.m.

**Room 102**

**Moderator:** Navin Nagel

- Shoulder Running  

- TSM&O  
  **Room 104**  
  **Moderator:** Navin Nagel

- New CDOT TSM&O Operations Clearance Process  
  Saied Sobhi, Richard Stember

- Building a Transportation Systems Management and Operations Culture in Colorado  
  Ryan Rice

- Sneak Peak of CDOT's Active Traffic Management Software  
  Jason Duffy and Raj Chaudhuri

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**Emergency Planning**

**Room 106**

**Moderator:** Gabi Burgess

- Providing Reliable Transportation Corridors after a Wildfire — Lessons Learned  
  Lesley Mac, Justin Pipe

- Planning for Extreme Events: Lessons from Texas  
  Michael Espy

- Transportation and Emergency Planning: Bringing Transportation Operations and Safety Concerns Into Long Range Planning and Vice Versa  
  Deborah W. Matherley

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**Lunch – Room 110**

**Chapter Announcements**

**Colorado Flood Recovery**

- Kyle Lester  
  Flood Recovery Manager  
  CDOT

- Tony Meneghetti  
  Project Manager  
  CDOT

- Scott Zurn  
  Public Works Director  
  Town of Estes Park

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**Technical Session III**

2:15 p.m. - 3:45 p.m.

**Room 102**

**Moderator:** Ryan Sisson

- Project Delivery  
  North Meadows Extension CM/GC Project Delivery  
  George Tsikouras, Dan Salter, Frank Main and Tim Maioni

- The SH 82 (Grand Avenue) Bridge Replacement—Working Together in the Project Delivery to Solve a Tightly Constrained Historic Challenge  
  Craig Gaskell, Joe Eiten, Jim Clarke

- I-25 Southbound at 15th (20th to Speer) - Opening a Bottleneck  
  David Woolf, Steve Hersey

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**Room 104**

**Moderator:** Aaron Heumann

- Enhancing Sustainability at the National Park Service  
  Lindsey Sousa, Jan Burton

- Counting Bicyclists with Pneumatic Tube Counters  
  Alex Hyde-Wright, Brian Graham

- Innovative Approaches to Wildlife and Highway Interactions  
  Julia Kintisch

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**Room 106**

**Moderator:** Nick Talocco

- The Colorado Active Transportation Mile Markers Project  
  James Charlier

- Specific Methodologies for Estimating Bicycle and Pedestrian Volumes  
  Speaker TBD

- Walkscope: Engaging Residents Around Walkability While Crowdsourcing Data  
  Jill Logantore

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**Break**
Here we are halfway through October, with the colors of autumn appearing, snow in the high country already, and Halloween planning in full swing! Fortunately, this year we have so far generally managed to escape a repeat of last year’s flood events despite our unusual monsoon-like summer. Municipalities and construction projects alike are scrambling to get in those last few lifts of asphalt and permanent marking installations before the season is over.

For those of you who were not able to attend our September meeting, we had a productive, informative, entertaining, and filling event: our yearly Section business was successfully conducted including ratification of this year’s budget and the increases in the local Section dues; Amy Ford of CDOT gave us a lively and educational look at the world of public information and process; and Maggiano’s once again managed to stuff us all with thoroughly delicious fare.

You should have seen the recent email regarding the upcoming Section Safety Analysis Seminar scheduled for Friday October 24, with bonus Happy Hour to follow--this is sure to be a relevant topic for many and I would strongly encourage not waiting to register for the seminar. While also strongly encouraged, attendance at the seminar is not mandatory for attendance at the happy hour.

If you are not able to attend the seminar or happy hour (or both!), please plan to attend our regular November Section meeting on Friday November 7: we will be at The Ranch in Loveland to learn more about the North Metro Rail Line as presented by a panel of speakers. More information regarding the event follows in this newsletter.

One the things I know that I personally value the most about ITE is the continuing opportunity to connect with others in a more social context while increasing my technical and professional knowledge. To that end, I look forward to seeing many of you at our October and November events. For those who might share my perspective on this benefit and who might also be interested in expanding that further to others as well, please note that we are still in need of someone to take up the lead role for our Mentoring program. If this is you, please contact me or one of the other officers.

As always, please be safe in your personal and professional lives, and I will see you out and about!

Anna L. Bunce
President
Colorado-Wyoming Section ITE

Upcoming Events ...

November Luncheon—Page 8 Nov. 7, 2014

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September Meeting Highlights
by Lou Davenport, Section Scribe

The Colorado/Wyoming ITE Section held their 2014 Annual Business Luncheon on Friday, September 26th at Maggiano’s on the south side of Denver. 2013-2014 Section President, Aaron Heumann, presided over the Section’s business meeting luncheon with approximately 90 attendees.

The meeting began with Aaron welcoming Carlos Ortiz, Western District President, followed by introductions of this year’s executive committee.

Carlos provided a brief presentation on the Western District and swore in this year’s officers. Anna Bunce was sworn in as the Section President; Freddy He as Vice President; and Ryan Germeroth as Secretary/Treasurer. Anna Bunce then presented Aaron Heumann with the Past President award to recognize his contributions as last year’s Section president.

Freddy introduced the program speaker, Amy Ford, CDOT Communications Director, who presented on Public Outreach Strategies, Process and Lessons Learned for CDOT’s Major Transportation Projects. Amy covered a broad range of communications topics including the following highlights: communications strategies for several current high profile projects, how lessons learned will be implemented on a upcoming mega projects, a description of CDOT re-branding and brand control, and an overview of disaster communications.

Our next Section luncheon will be held on Friday, November 7th in Northern Colorado. Registration will be available at www.cowyite.org, and the next executive committee meeting will be held at noon on Friday, November 14th at Aurora City Hall.

The annual Lifetime Achievement Award will be presented to a member who, for an extended period of time, has contributed in an outstanding manner to the advancement of the transportation engineering profession, ITE, and the Colorado/Wyoming Section. Nomination forms are available at http://www.cowyite.org/awards/, or at the back of this newsletter, and should be submitted to John LaSala.

Don’t forget that abstracts for the 2015 ITE Western District Meeting are due by February 19th. The meeting will be held July 19-22, 2015 at Planet Hollywood Resort in Las Vegas, Nevada, and abstract can be submitted online at http://www.lvite2015.com/call-for-abstracts.html.
Awards Committee  
by John LaSala, Chair

CALL FOR NOMINATIONS  
ITE Colorado/Wyoming Section  
Lifetime Achievement Award

It’s that time of the year again when the Awards Committee looks forward to selecting this year’s recipient for the Lifetime Achievement Award. The Awards Committee strongly requests that each member consider submitting a confidential nomination for this year’s consideration.

The ITE Colorado/Wyoming Section Lifetime Achievement Award is the highest award the section can give a member. It recognizes a member who, for an extended period of time, has contributed in an outstanding manner to the advancement of the transportation engineering profession, the Institute of Transportation Engineers, and the Colorado/Wyoming Section. Established in 1989, past recipients of this award are Jack Bruce, Al Pepper, Dan Cronin, Gene Wilson, Dave Hattan, Jim Hauck, Dan Centa, John Bemelen, Bob Kochevar, Dick Bauman, Mark Schaefer, Ron Hensen, Pat Noyes, Alex Ariniello, Allen Albers, Larry Corcoran, Bill Hange, Fred Lantz, Gene Putman, and Jim Richey.

Please consider honoring one of your deserving colleagues.

Minimum requirements are:

- Member grade or higher in ITE and a member in good standing of the Colorado/Wyoming Section.
- Active in the field of transportation engineering for ten years or more.
- Significant continuous contributions to the transportation engineering profession for at least five years.

If you know of any member that should be considered for this year’s award, please contact John LaSala at (720) 913-4534 (john.lasala@denvergov.org). A nomination form is attached to the back of this newsletter. Nominations are due no later than October 31st.
Election Day is rapidly approaching and early voting ballots are already mailed. The two candidates for Governor, current Governor John Hickenlooper and former Congressman Bob Beauprez, faced off recently in the Denver Post debate series. Not surprisingly, transportation was brought up several times by the debaters and moderators. Below are the transportation-related topics and a summary of the debate responses.

Transportation was first mentioned when asked Hickenlooper was asked about leadership. The current Governor talked about how he and Don Hunt, CDOT Executive Director, got the 200 miles of damaged roads and 50 bridges sufficiently repaired following last year’s historic floods.

During the remainder of the debate, two transportation-specific questions were asked, as follows.

**Question:** In a “yes”/“no” Q&A format portion of the debate, both candidates were asked: “Colorado’s Gas Tax is 22 cents a gallon and has not been raised in years. Should the state gas tax be raised to support the construction of roads and bridges?

- **Beauprez:** It shouldn’t because it’s a declining revenue stream. We need to address a sustainable funding source as our economy and needs grow. Both VMT and sales tax in lieu of gas tax seem to be the more popular ideas right now for funding transportation and are worthy of discussion. Gas tax just perpetuates a failed system. Need to find a sustainable funding solution for Colorado.

- **Hickenlooper:** We’ll be seeing less and less money from gas tax as vehicle efficiency requirements are met. Money we have right now is not even sufficient for maintenance of our roadways. Oregon is trying pilot projects for Vehicle Miles Traveled (VMT) and that Colorado is going to try and do it a little better. User-based fee could have an unfair impact on rural parts of Colorado, and there are ways to mitigate that. Public-private partnerships and managed lanes have great promise.

**Question:** How can the State help address traffic congestion in the Denver Metro Area and at the Eisenhower Tunnel?

- **Beauprez:** We have an opportunity in front of us. The transportation bonds issued 8 years ago by former Governor Owens are about to be paid off and we could refinance them today. Take advantage of low interest rates that are out there in the bond market. Refinance the remaining debt and more. We ought to be looking at financing $3.5-$5 billion in transportation bonds through refinancing, and get ahead of what has been a continuing escalation in the cost of construction. Should fund prioritized projects. Not only new projects but those in badly in need of repair.

- **Hickenlooper:** Transportation bonds would generate about $1.8 billion, and the $3.5-$5 billion would likely mean a significant tax increase. We have been trying to do more with less. So on I-70 during the rush hour, we are working to have the second Twin Tunnel completed in December. Using hardened shoulders to allow drives use of the shoulder during rush hours WB on Fri and Sat, and EB coming back to Denver.

You can view the entire debate at [http://goo.gl/MWQ982](http://goo.gl/MWQ982).
The current budget summary is listed below.

If you have any questions or comments concerning this budget summary, please contact Ryan Germeroth at RGermeroth@crgov.com.

<table>
<thead>
<tr>
<th>Actual Cash Flow as of September 30, 2014</th>
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<tbody>
<tr>
<td><strong>Income</strong></td>
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<td>Executive Committee</td>
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<td>Administrative</td>
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<td>Business Card Ads</td>
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<td>Dues - ITE Payment</td>
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<td>Dues - Misc</td>
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<td>Employment Ads</td>
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<tr>
<td>Interest</td>
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<td>Lunch Meetings</td>
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<td>Spring Symposium</td>
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<td>Vendor Show</td>
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<tr>
<td><strong>Activities</strong></td>
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<td>Annual Activity</td>
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<tr>
<td>Continuing Education</td>
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<tr>
<td>Golf</td>
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<tr>
<td><strong>Subtotal</strong></td>
</tr>
</tbody>
</table>

| **Expense** | **Budget** | **Actual** |
|-------------------------------------------------------------|
| Executive Committee | | |
| Administrative | ($1,000.00) | $0.00 |
| President - WD Annual Mtg | ($1,750.00) | $0.00 |
| Bank Charges/Fees | ($250.00) | ($22.08) |
| EC Meetings | ($1,400.00) | $0.00 |
| Lunch Meetings | ($14,000.00) | ($2,741.82) |
| Program Committee | ($1,000.00) | $0.00 |
| Newsletter Contest | ($125.00) | $0.00 |
| Table Survey Contest | ($125.00) | $0.00 |
| Spring Symposium | $0.00 | $0.00 |
| Vendor Show | ($9,500.00) | $0.00 |
| **Activities** | | |
| Charitable Giving | ($2,000.00) | $0.00 |
| Happy Hour | ($370.00) | $0.00 |
| Annual Activity | ($6,000.00) | $0.00 |
| Awards | ($200.00) | $0.00 |
| Continuing Education | ($850.00) | $0.00 |
| Membership Committee | ($160.00) | $0.00 |
| Golf | ($13,000.00) | ($13.44) |
| Transfer to Scholarship | ($8,800.00) | ($2,625.00) |
| Student Chapter | ($750.00) | $0.00 |
| Website | ($200.00) | $0.00 |
| Technical Committee | ($350.00) | $0.00 |
| Contingency | ($200.00) | $0.00 |
| **Subtotal** | ($62,030.00) | ($5,402.34) |
| **Total** | ($5,070.00) | ($521.90) |

The Colorado/Wyoming Section is now on Facebook! To get connected with other members, go to: http://tinyurl.com/cowyitefacebook
2015 ITE STUDENT LEADERSHIP SUMMIT
SACRAMENTO, CA
The 2015 ITE Student Leadership Summit is only five months away and it will be held on February 13 – 15 in Sacramento, California. The students at California State University, Sacramento ITE Student Chapter are working hard on this event. They need support from our Western District members so please visit http://www.sacstateite.com/2015-ite-student-leadership-summit.html for more information. Let’s support our students!

2018 ITE WESTERN DISTRICT MEETING
BRECKENRIDGE, COLORADO
It is official! The Colorado/Wyoming Section will be hosting the 2018 ITE Western District Annual Meeting in Breckenridge, Colorado! There was a lot of excitement at the joint Western/Mid Western meeting in Rapid City when it was announced that the meeting will be in Breckenridge. I know it will be a great meeting and we will have a huge turnout. Thank you to all the Local Arrangements Committee (LAC) volunteers that helped with the proposal and presentation effort.

Now the real work begins for the LAC! If you are interested in volunteering for the LAC, please contact Ben Waldman at bwaldman@arvada.org or Aaron Heumann at aheumann@sehinc.com.

Please send any announcements that you wish to be posted in the newsletter to Bart Przybyl, Newsletter Editor, bart.przybyl@apexdesignpc.com.
Life is a Highway!
by Bill Hange, City of Loveland

Summer travel and you can’t get away from work. Have you said this to yourself or had a spouse or fellow traveler say this to you? After 30 years of marriage, my wife is used to transportation conversations and did you see that comments. And of course now, after many years of traveling with me, she and my son also initiate transportation shop talk.

Motoring across much of the country between Colorado and Ohio this summer, I even took photos of some interesting traffic and transportation items along the way. Transportation changes since the days of Abe Lincoln living in Springfield, Illinois were easy to observe as this was one of our stops along our 3,000 mile journey. Exciting Opportunities Abound in the Transportation Field was the theme I developed on our trip. Some elements that support the Opportunity theme are as follows:

- **Old, Outdated Traffic Signals Need to be Replaced for Safety** – Many small communities and some cities across our nation are living with very old technology and devices which contribute to concerns for traffic safety. In Hayes, Kansas for example, old corner top of ped pole signals with small 8” heads, no pedestrian heads, and only one set of indications for each direction still exist in the old Downtown area. When I came to the City of Greeley in 1980 we made it a priority to modernize signalized intersections along the way. Transportation changes since the days of Abe Lincoln living in Springfield, Illinois were easy to observe as this was one of our stops along our 3,000 mile journey. Exciting Opportunities Abound in the Transportation Field was the theme I developed on our trip. Some elements that support the Opportunity theme are as follows:

- **New LED Street Lights Save Energy and Improve Safety** – In the ‘80s mercury vapor street lighting was replaced with energy-saving high pressure sodium (HPS) fixtures. Now LED lighting technology can save even more energy, 80-90% over HPS. In addition, safety is also improved by going back to white light, as has been studied and helps the eye by improving peripheral vision.

- **Improve Permanent and Construction Zone Guide Signing for Travelers’ Safety** – Yes, we all have GPS guidance including voices coming from cell phones and/or the vehicle. But there still is no substitute for good, readable/large letter, clear guidance that comes from signing. Traveling I-80 near

Gary Indiana/Chicago, Illinois on my return trip, I admit to taking a wrong turn and getting way off course. This cost me a lot of time and extra money for fuel and bridge tolls. If anyone should be able to follow signs and use a GPS, I should. But, in this case the systems didn’t match and caused confusion resulting in out of direction travel.

All this points to the fact that we still have a long way to go to get into the current technology available for Intelligent Transportation Systems (ITS). Traffic Engineers are needed to design improvements, suppliers are needed to provide modern equipment, contractors and employees are needed to install and maintain devices and systems. There is a lot of opportunity out there. Hey, let’s catch or rekindle the desire to make the world a safer place to travel. Many opportunities are waiting!

Puzzle Maniac
by Bart Przybyl, Newsletter Editor

Congratulations to Mike Whiteaker who was the winner of last newsletter’s Puzzle Maniac. He graciously chose to donate the prize to the Scholarship Fund.

For this issue’s puzzle, we have the following word puzzle to celebrate Halloween:

“An ancient castle had been converted into a hotel. After a few months, many ghostly sightings had been reported. The manager was under pressure as many bookings were being lost, but he was getting some business from ghost hunters. The problem was that he could not guarantee to match the appearances with the right guests, until one day he noticed a pattern in the sightings and their timings. If he could predict where and when the ghosts would appear, he would keep all of his guests happy.

He found that from January to March, room number 3 was haunted every other night. From April to June, room number 4 was haunted every third night. Then from July to September, room number 9 was visited by a ghost every fourth night. He then needed to plan which room would be visited in the last quarter of the year and the frequency. How did he work this out and what is his answer?

Please send your answer to the riddle to bart.przybyl@apexdesignpc.com by October 31st, 2014.

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

SOLUTION TO LAST NEWSLETTER’S PUZZLE
The correct time on the 3rd clock was 9:05.
NOVEMBER LUNCHEON

What:
ITE Colorado-Wyoming Section Luncheon Meeting

When:
Friday, November 7, 2014

Where:
Morehouse Hall at The Ranch Events Complex (next to Cowley Hall)
5280 Arena Circle, Loveland, CO 80538 (I-25 exit 259)

Time:
11:30 a.m.— Registration and Networking
12:00 p.m.— Lunch Served
1:00 p.m.— Program Presentation
2:00 p.m.— Luncheon Ends

Program:
North Metro Rail Line Design-Build Project

Speakers:
A panel featuring Jane Donovan (RTD), Shawn Plichta (RRP), and Ted Rutledge (Stantec)

Cost:
$25 for Members and Local Affiliates
$35 for non-Members
$5 for Students and Retired Members

Menu:
The entree choices include Mediterranean Chicken. Beef Braciole, Wild Honey Citrus Salmon, or Penne Pasta (for vegetarians).
They would be served with a salad course, beverage service and dessert.

REGISTER NOW
Events Calendar

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

November 7, 2014
CO/WY ITE Section Luncheon
Northern Colorado

November 14, 2014
CO/WY ITE Section EC Meeting

December 12, 2014
CO/WY ITE Section Luncheon
Denver Metro

December 19, 2014
CO/WY ITE Section EC Meeting

January 23 2015
CO/WY ITE Vendor Show
Arvada Center

January 30, 2015
CO/WY ITE Section EC Meeting

February 19, 2015
Annual Meet and Greet Activity
Denver Metro

March 13, 2015
CO/WY ITE Section Luncheon
Colorado Springs

March 20, 2015
CO/WY ITE Section EC Meeting

April 3, 2015
13th Annual Spring Transp. Symposium
Denver Metro

April 10, 2015
CO/WY ITE Section EC Meeting

May 8, 2015
CO/WY ITE Section Luncheon
Denver Metro

May 15, 2015
CO/WY ITE Section EC Meeting

May 8, 2015
CO/WY ITE Section Luncheon
Denver Metro

May 15, 2015
CO/WY ITE Section EC Meeting

June 12, 2015
CO/WY ITE Annual Golf Tournament
Denver Metro

June 19, 2015
CO/WY ITE Section EC Meeting

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

The Backbone of ITS.

Moxa Inc. is the Backbone of ITS. Moxa’s products are reliable and powerful, ensuring that your ITS network can connect all the devices you need. We are the leading provider of high-end industrial communication and network management solutions.

Moxa-certified Tech Support | Network Design | Sales

NEVADA
PO Box 11159
Reno, NV 89510-1159
775.322.6887

COLORADO
6379 Rockwell Court
Loveland, CO 80538
970.776.1690

Tel: 866.877.7828
Fax: 970.776.1697
Cell: 720.457.5906
mkay@intermountaintraffic.com
Firm Bio

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.

At Apex Design, you will be able to work on the most innovative, highly visible, and complex transportation projects in Colorado. Our engineering consulting services range from planning and design to construction management and operations for projects that span street, highway and rail for local, state, and federal agencies. We are looking for highly motivated and talented engineers to work with our team and clients to make positive change to the way traffic moves through our communities.

Traffic and ITS Design Engineer

This opening is for a Design Engineer who will work under the direction of senior engineers to prepare design plan packages for Traffic Engineering and ITS projects. This position will also assist in various engineering capacities in the wide variety of exciting transportation projects that Apex Design works on.

ITS Construction Engineer

Apex is seeking a Construction Engineer for ITS construction projects across the Colorado Front Range. This position will work in a team environment to provide management and inspection for ITS and traffic components of major roadway construction projects.

Qualifications

- BS Degree in Civil Engineering from an ABET-accredited school, focus in transportation preferred
- Colorado EIT or PE with up to four years of experience
- Proficiency in MicroStation preferred for Design Engineer position
- Excellent problem solving, communication, and writing skills

We offer a competitive compensation package and the ability to grow both professionally and personally within the engineering community.

To apply, submit a cover letter and resume to careers@apexdesignpc.com with attention to Melissa Rosas, PE, President.

RECENT PROJECT SUCCESS – US 36 Express Lanes
Transportation Engineer

- Job ID: 2014-19007
- Job Title: Transportation Engineer
- Employment Category/Status: Full-time
- Type of Position: Regular Hire
- Location: US-CO-Denver
- Discipline: Transportation Infrastructure Engineering

Your Opportunity:
Whatever the distance, wherever the destination — our designs lead you there. Our Transportation Group provides comprehensive planning, design, and engineering services for all phases of airport, bridge, rail, roadway, and transit projects. Join our team and help us keep communities connected.

Stantec is seeking a Transportation Engineer to join our growing transportation practice in our Denver, CO office.

Your Duties:
This opportunity is for an individual with up to four years of experience in traffic engineering and/or transportation planning. The position will involve preparing traffic operations analysis, roadway design, signing, striping, and signal design. The individual should have interest and education or project experience in most of the following areas: roadway/civil design, traffic signal design and timing, traffic operations, transit system planning, traffic impact analysis, traffic modeling, bicycle & pedestrian analysis, statistical analysis, travel demand modeling, traffic engineering, and corridor and area-wide planning.

This is an excellent opportunity for a motivated individual with strong technical and people skills to become a key member of our transportation team as we develop our Colorado and Western US transportation market.

Your Capabilities and Credentials:
- Bachelor’s Degree in Engineering (Civil Preferred).
- Colorado EIT.
- Up to four years of experience in traffic engineering and traffic operations; a Master’s degree in Civil Engineering can substitute for up to two years of work experience.
- Excellent written and oral communication skills.
- Knowledge of Syncro/SimTraffic, VISSIM, HCS, TruTraffic and CAD (AutoCAD and Microstation) software.
- Proficient in Microsoft Word, Excel and Power-point.
- Valid Driver’s license and good driving record required.

Stantec offers an excellent benefits and compensation package including medical, dental, vision, 401(k) matching, wellness program, paid vacation and holidays, stock purchase plan, commuter flex-pass, and pre-tax health plans.

Qualified candidates who are highly motivated and eager to commit to Stantec’s strategic initiative to become a Top 10 global design firm should submit their resume and cover letter, online at www.stantec.com/careers.

Stantec Consulting Inc. is an equal opportunity employer.

Committed to the principles of Employment Equity, we thank all candidates; however, only those selected for an interview will be contacted.
Professional Engineer I

Job Title: Prof Engineer I: Traffic Signal & Ramp Metering (Golden)
Class Title: PROFESSIONAL ENGINEER I
Type of Announcement: This position is open only to Colorado state residents.
Closing Date/Time: Fri. 10/31/14 11:59 PM Mountain Time
Primary Physical Work Address: 425 C Corporate Circle Golden, CO 80401
Salary: $5,493.00 - $8,327.00 Monthly
FLSA Status: Exempt; position is not eligible for overtime compensation.
Job Type: Full Time
Location: Golden, Colorado

How To Apply: Thank you for your interest. Submit an on-line application by clicking http://goo.gl/rcVmVd or submit a State of Colorado Application for Announced Vacancy and all supplemental questions according to the instructions provided below. Failure to submit a complete and timely application may result in the rejection of your application. Applicants are responsible for ensuring that application materials are received by the appropriate Human Resources office before the closing date and time listed above.

If not applying on-line, submit application to:
4201 E. Arkansas Ave., Human Resources, Denver, CO 80222; Fax 303-757-9081;
Email: DOT_CDOT_Recruiting@state.co.us

All application materials must be received by the closing date/time of this announcement. Please be sure to include the name and location of the position you are applying for on all application materials.

Department Contact Information: Amanda.Parkhurst-Strout@state.co.us or 303-757-9685

Methods of Appointment: Appointment to the vacancy or vacancies represented by this announcement is expected to be from the eligible list created. However, at the discretion of the appointing authority, the position(s) may be filled by another method of appointment for a valid articulated business reason.
Traffic Engineer

Job Title: Traffic Engineer
Location: Denver, CO, US

Primary Job Responsibilities
Jacobs Engineering has a great opportunity for a traffic engineer in our Denver, CO office with interest and skills in construction traffic control (CTC) or maintenance of traffic (MOT) and traffic engineering design. The ideal candidate should possess 4 - 10 years of experience in the areas of CTC/MOT plan design, traffic signal design, roundabout design, signing/striping plan preparation, and transportation analysis. Experience with CTC/MOT on Design/Build projects and ITS projects is preferred. In addition to technical skills, this position will require a candidate with demonstrated experience in multi-party coordination, management of multiple tasks, teamwork, and work on large, multi-disciplinary projects. Our unit provides support for other Jacobs offices and regions, so there is potential opportunity for short-term travel and work on major, exciting projects across the USA and internationally. This person could also play an important networking role in our sales process.

Principal Duties and Responsibilities
● Completion of traffic engineering design tasks
● Preparing and reviewing plans, technical specifications, contract documents, and estimates.
● Solving problems related to design issues on projects
● Coordination with outside agencies and other Jacobs staff
● Responding to client issues in a timely manner
● Mentoring and supervision of less experienced staff

Training and Experience
● BS in Civil or Transportation Engineering is required
● At least 4 years of experience in traffic engineering is required
● Registration as a Professional Engineer. Certification as a Professional Traffic Operations Engineer (PTOE) is preferred. ATSSA Traffic Control Supervisor (TCS) certification is a benefit.
● The ideal candidate will have a passion for traffic engineering, excellent communication skills, and the ability to work well with our clients in a team environment.
● Proficiency in Micro Station is required. Proficiency in AutoCAD and SignCAD is desired.

Apply online at: https://irecruitment.jacobs.com/OA_HTML/OA.jsp?OAFunc=IRC_VIS_VAC_DISPLAY&OAMC=R&p_lang_code=US&p_svid=288225&p_spid=1154596
**Senior Transportation Planner**

**Job Title:** Senior Transportation Planner  
**Location:** Denver, CO, US

**Primary Job Responsibilities**
Jacobs Engineering has a great opportunity for a senior transportation planner in our Denver, CO office with interest and skills in PELs, corridor planning, regional and statewide planning. The ideal candidate should possess 10+ years of experience in managing transportation studies, travel forecasting, multi-modal analysis, plan development, and public involvement. In addition to technical skills, this position will require a candidate with demonstrated experience in multi-party coordination, management of multiple tasks, teamwork, and work on large, multi-disciplinary projects. This person will also play an important networking role in our sales process and is expected to hire and mentor junior staff.

**Principal Duties and Responsibilities**
- Managing the Transportation Planning Group is the Denver office
- Directing the preparation of plans, PELS, studies, and other planning deliverables
- Hiring and mentoring mid- and junior-level staff
- Developing creating solutions, evaluating alternatives, and developing reports on projects
- Coordination with outside agencies and other Jacobs staff and offices
- Responding to client issues in a timely manner
- Assisting with sales and winning work through Jacobs' proposal process

**Training and Experience**
- BS in Urban or Transportation Planning, or Civil/Transportation Engineering
- 10+ years of experience in transportation planning
- Certification as a Professional Planner (AICP or PTP) is preferred
- Experience working on PELs, corridor studies, travel forecasting, alternative development and evaluation, local, regional and statewide plan development, and reports.
- A passion for transportation planning, excellent communication (including public and stakeholder presenting and facilitation) skills, and the ability to work well with our clients in a team environment.
- Knowledge of TransCAD and other travel demand model software.
- A strong local network and an ability to sell our transportation planning services and win work.
- Ability to lead a team and mentor a younger staff

Mid-Level Transportation Planner

Job Title: Mid-Level Transportation Planner
Location: Denver, CO, US

Primary Job Responsibilities
Jacobs Engineering has a great opportunity for a mid-level transportation planner in our Denver, CO office with interest and skills in PELs, corridor planning, regional and statewide planning. The ideal candidate should possess 4+ years of experience in performing work on transportation studies, travel forecasting, multi-modal analysis, plan development, and public involvement. Proficiency with using TransCAD and other travel demand forecasting software is essential. In addition to technical skills, this position will require a candidate with demonstrated experience in multi-party coordination, management of tasks, teamwork, and work on large, multi-disciplinary projects.

Principal Duties and Responsibilities

● Preparation of plans, PELS, studies, and other planning deliverables
● Travel demand forecasting using TransCAD
● Mentoring junior-level staff
● Developing creating solutions, evaluating alternatives, and developing reports on projects
● Coordination with outside agencies and other Jacobs staff and offices
● Responding to client issues in a timely manner

Training and Experience

● BS in Urban or Transportation Planning, or Civil/Transportation Engineering
● 4+ years of experience in transportation planning
● Certification as a Professional Planner (AICP or PTP) is preferred
● Experience working on PELs, corridor studies, travel forecasting, alternative development and evaluation, local, regional and statewide plan development, and reports.
● A passion for transportation planning, excellent communication (including public and stakeholder presenting and facilitation) skills, and the ability to work well with our clients in a team environment.
● Proficiency with TransCAD and other travel demand model software.

Apply online at: https://irecruitment.jacobs.com/OA_HTML/OA.jsp?OAFunc=IRC_VIS_VAC_DISPLAY&OAMC=R&p_lang_code=US&p_svid=295543&p_spid=1201941
Jr. Traffic/Transportation Planner

Job Title: Jr. Traffic/Transportation Planner
Location: Denver, CO, US

Primary Job Responsibilities
Jacobs Engineering has an opening for a junior engineer/planner in our Denver, CO office with interest in traffic engineering design. Candidates should have 0 - 4 years of experience with diverse interests in both transportation planning and traffic engineering. Specific interests could include travel demand forecasting, transportation plan preparation, traffic control/detour plan design, traffic signal design, signal timing, intersection analysis and/or design, signing/striping plan preparation, and transportation analysis/simulation. Our unit provides support for other Jacobs' offices and regions, so there is potential opportunity for short-term travel and work on major, exciting projects across the USA.

Principal Duties and Responsibilities
● Work on transportation planning and traffic engineering design tasks
● Preparing models, plans, technical specifications, contract documents, and estimates.
● Solving problems related to planning or design issues on projects

Training and Experience
● BS in Civil or Transportation Engineering, or Urban Planning
● 0 - 4 years of experience in traffic engineering/transportation planning
● The ideal candidate will have a passion for transportation planning and traffic engineering, excellent communication skills, and the ability to work well with our clients in a team environment
● Proficiency in Microstation CAD is desired
● Ability to learn and use traffic simulation models (ie: VISSIM), traffic analysis software (ie: Synchro), and travel demand models (ie: TransCAD)

Apply online at: https://irecruitment.jacobs.com/OA_HTML/OA.jsp?OAFunc=IRC_VIS_VAC_DISPLAY&OAMC=R&p_lang_code=US&p_svid=295543&p_spid=1201941
Transportation Intern

Job Title: Transportation Intern
Location: Denver, CO, US

Primary Job Responsibilities
Jacobs Engineering has a great opportunity for a part-time transportation intern in our Denver, CO office with interest in traffic engineering and transportation planning. The position would initially entail drive to collect travel time and stop data for a traffic signal timing project. Drive times would be 7 – 9 am, 11:30 am – 1:30 pm and 4 – 6 pm. Corridor locations are south of downtown Denver. There may be other traffic engineering-related work during other times, as needed and as you are available.

Internship positions at Jacobs provide college students an opportunity to gain real-world experience in traffic engineering and transportation planning. Working in a fast-paced, professional setting provides interns with invaluable experiences applying the knowledge and skills learned through education in a business environment. While working along side and in support of a group of world-class professionals in your chosen field of study.

Principal Duties and Responsibilities
- Performing GPS travel time data collection
- Perform routine aspects of engineering requiring knowledge and application of basic engineering principles under close supervision.
- May use computer-assisted engineering software and equipment to perform engineering tasks.
- Assisting in the coordination of projects from conception (feasibility) through final plan preparations
- Providing support to Engineering staff members as needed

Training and Experience
- Candidate must be currently enrolled in a Civil Engineering or Urban Planning curriculum.
- Strong analytical, conceptual, communication and organizational skills.
- Ability to effectively interface with all levels of personnel and management.
- Ability to work and thrive in a team environment.
- Strong problem solving skills.
- Ability to self-motivate and work productively without supervision.
- Working knowledge of Word, Excel.
- Excellent oral and written communication skills.
- Knowledge of Microstation, InRoads, and AutoCAD would be preferred.
- Safe driving practices.

Apply online at: https://irecruitment.jacobs.com/OA_HTML/OA.jsp?OAFunc=IRC_VIS_VAC_DISPLAY&OAMC=R&p_lang_code=US&p_svid=295544&p_spid=1201942
TRANSPORTATION PLANNING & TRAFFIC ENGINEERING MANAGER

Public Works

The Town of Castle Rock has an outstanding opportunity for a Transportation Planning & Traffic Engineering Manager. Under general direction of the Assistant Director of Public Works, this position is responsible for professional and managerial work overseeing short and long-term transportation planning and traffic control on public streets within the Town. Performs duties in a manner consistent with the stated values of the organization.

Responsibilities include identifying required levels of service, resource needs and strategy for effectively delivering services of the division. Work includes representing the Town on regional transportation planning efforts to improve major facilities and develop strategies that will improve the operations of both the regional and local transportation networks. Oversees division programs including traffic signing, pavement marking programs and Town-owned street lighting and traffic signal systems. Develops and oversees project planning, design and implementation of maintenance of capital improvement projects. Manages updates to the Transportation Master Plan. Provides oversight to staff responsible for reviewing new development plans and traffic impact studies to ensure conformance with Town guidelines and engineering industry standards. Uses engineering judgment and study outcomes to recommend appropriate mitigation measures to ensure safe and efficient travel on the Town’s transportation network. Prepares and presents packet items and presentation material for Town Council, Commission meetings, and information at neighborhood meetings, open houses and other public meetings. Plans and manages transportation/transit services provided by the Town to meet the needs of transit dependent residents. Ensures compliance with applicable local, state and federal laws, reporting requirements, permits and environmental regulations.

Qualifications generally include a Bachelor’s degree in Civil Engineering or related field; supplemented by six years’ experience that includes traffic engineering and transportation planning experience and 3 years’ experience in a position of management; or any equivalent combination. Registered as a Professional Engineer in the State of Colorado (or ability to become registered within 6 months of employment). A valid Colorado driver’s license is required to conduct on-site project evaluations and to attend out-of-office meetings. Must satisfactorily complete a driving record check and criminal background check prior to commencing employment.

If you want to be excited about going to work and making a difference in the Town you work for, consider joining our team. We value teamwork, cooperation, and quality communication. We strive to provide exceptional public service to our customers and encourage creativity and innovation. Hiring range: $76,897 to $92,268 annually DOQ/E, plus an excellent benefits package. Apply on line at www.crgov.com. #TPTEM2014-01. Position closes November 17, 2014. EOE

Visit our website at www.CRgov.com
The Town of Castle Rock is an equal opportunity employer.
Engineer IV (Traffic)

Job Title: Engineer IV (Traffic)
Closing Date/Time: Wed. 10/29/14 5:00 PM Mountain Time
Salary: $6,785.00 - $8,481.00 Monthly
Job Type: Full-Time Regular
Location: Castle Rock, Colorado

Job Description
The Douglas County Department of Public Works Engineering has an opening for a Traffic Engineer IV. This position requires a diverse background in the areas of traffic engineering, transportation planning, and general civil design. Candidates must be able to demonstrate strong depth and breadth of experience in these subject areas. The ideal candidate must be able to lead traffic engineering projects, oversee the preparation of transportation planning projects, have solid project management skills, yet be able to work as part of a diversified team.

Apply online at: http://goo.gl/SxWneg
Civil Engineer I - Transportation Development Review

Job Title: Civil Engineer I - Transportation Development Review
Closing Date/Time: Fri. 10/31/14 4:30 PM Mountain Time
Salary: $60,800.00 - $77,500.00 Annually
Job Type: Full-time
Location: Municipal Building, 500 E. Third Street, Loveland, Colorado

Job Description
Review general development proposals, site layouts, street design plans, signing and striping plans, detailed traffic impact studies, soil reports, pavement designs, and all transportation elements contained in the land use applications for accuracy, good design practice, and conformance to standards. Prepare and review estimates for the cost of incomplete street improvements and write technical reports and agreements. Independently research records for all pertinent information relating to development proposals. Formulate conditions of approval and itemize technical corrections associated with transportation issues on planning and zoning applications. Display a competent, working knowledge of traffic engineering principles and analytical methods in written and verbal communications with professional peers. Provide courteous and effective personal contact with the public at individual meetings, at group meetings, on the telephone, via e-mail, by letters, memos, and other correspondence. Articulately and respectfully discuss the conditions of approval at Planning Commission and City Council public hearings. Assist the Senior Civil Engineer with the periodic updates to the Larimer County Urban Area Street Standards (LCUASS).

Candidate Requirements
B.S. in Civil Engineering or related field and five (5) years or more experience in civil engineering in urban street design and/or development review required. At least three (3) years of detailed traffic engineering analysis and/or review required, preferably in an urban municipal environment. Eight (8) additional years of the above listed experience may be considered as a substitute for the B.S. degree.

Must possess a valid driver’s license. Registration as a Professional Engineer in the state of Colorado (or ability to obtain within 6 months) is desired.

Demonstrated knowledge of the principles and practices of civil and traffic engineering as they relate to the design and construction of urban street and public transportation improvements. Ability to quickly read and comprehend blueprints, plats, legal descriptions of real property, and related construction documents. General knowledge of land surveying principles. Working knowledge of Colorado annexation and subdivision statues desirable. Familiarity with the basic properties and specifications of concrete, asphalt, aggregate bases, and soils as typically encountered in street construction. Working knowledge of the Manual on Uniform Traffic Control Devices (MUTCD), the Model Traffic Code, Highway Capacity Software, Synchro (or similar intersection capacity and operational software), ArcMap GIS, traffic signal and roundabout design, word processing, spreadsheet, and database software, in MS-Windows environment.

Apply online at: http://goo.gl/R3c0Lk
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