

2010 Section Activities Report Colorado-Wyoming Section Institute of Transportation Engineers

April 2011





INSTITUTE OF TRANSPORTION ENGINEERS

Colorado/Wyoming Section Annual Report

For the period January 1, 2010 to December 31, 2010

Officers:

Current Officers and Committee Chairs:

President	Greg MacKinnon
Vice President	Chris Sheffer
Secretary/Treasurer	John La Sala
Past President	Ben Waldman
Technical Chair	Nitin Deshpande
Legislative Chair	Scott Thomas
Membership Chair	Trung Vo
Scholarship & Career Guidance	Melissa Rosas
Continuing Education	Joe Henderson
Newsletter Editor	Bart Przybyl
Awards	Dave Hattan
Website	Duane Cleere
Activities	Eric Boivin
Golf	Jeff Ream
Section Scribe & Social Media Manager	Kari McDowell
Activities Report Coordinator	Sarah Karjala
Symposium Coordinator	Karl Packer
Vendor Show Coordinator	Will Johnson
Student Chapter Professional Liaisons	Chris Vokurka
	Freddy He

Membership:

Number	Membership Grade	Section Annual Dues Rate
<u>1</u>	Honorary	<u>\$ 0</u>
<u>49</u>	Fellow	<u>\$ 12</u>
<u> </u>	Fellow Life	<u>\$ 0</u>
<u> </u>	Fellow Retired	<u>\$ 12</u>
<u> </u>	Member 10	<u>\$</u>
<u>300</u>	National Member	<u>\$ 12</u>
<u> </u>	Member Life	<u>\$ 0</u>
<u> </u>	Member Retired	<u>\$ 12</u>
<u> </u>	Associate 10	<u>\$</u>
<u> </u>	Associate	<u>\$</u>
<u> </u>	Associate Life	<u>\$</u>
<u> </u>	Associate Retired	<u>\$</u>
<u>7</u>	Institute Affiliate	<u>\$ 12</u>
<u> </u>	Institute Affiliate Retired	<u>\$</u>



<u>54</u>	Student Member	<u>\$ 0</u>
<u>13</u>	Esteemed Colleague	<u>\$ 0</u>

Section Affiliates [List Each Type]:

<u>54</u>	Local Area Affiliate	<u>\$ 12</u>
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Financial:

Does your Section have a Federal Employer Identification Number?

 Yes No

If yes, what is the number? 93-0995361

Balance of Funds on hand at the Beginning of the Reporting Period: **\$37,816.56**

Income for the Reporting Period:

Membership Dues	\$ 3,736.80	
Gross Income from Meetings	\$ 18,328.16	
Investment Income	\$ 235.21	
Advertising Income	\$ 5,400.00	
Other Principal Sources of Income:		
Golf Tournament	\$ 7,330.00	
Continuing Education	\$ 1,963.65	
Total Income:		\$35,809.36

Expenditures for the Reporting Period:

Travel	\$ 460.01	
Meetings	\$ 16,854.04	
Charitable Donation	\$ 700.00	
Student Chapters	\$ 4,119.64	
Awards and Scholarships	\$ 2,243.09	
Other Expenditures:		
Golf Tournament	\$ 7,053.52	
Administrative Expenses	\$ 1,598.49	
Continuing Education	\$ 758.18	
Website Committee	\$ 113.24	
Total Expenditures:		(\$33,900.21)
Net Income (Expense)		\$ 1,909.15

Balance of Funds on hand at the End of the Reporting Period: **\$ 39,725.71**

Was there a change in the Section Charter and Bylaws during this reporting period?

(If yes, please attach a copy of the new bylaws.) [see Attachment 4]

 Yes No



Technical Activities:

List Projects underway by title and, if available, provide expected date of completion:

In 2010, the Technical Committee collaborated on a paper titled *Simulation Based Operational Performance of Roundabouts at Intersections with Unbalanced Traffic Volumes*. The paper has been accepted for presentation at the ITE Western District Meeting in Alaska in July 2011. The paper has also been accepted for a poster presentation at the TRB International Roundabout Conference held in Indiana in May 2011.

List Projects by title which were completed during this reporting period and, if available, attach a copy of the report:

Colorado/Wyoming ITE has a monthly *Technical Interest Column* in the newsletter. In the past year this column has included the following topics:

- *An Overview of Transit Signal Priority* (January 2010)
- *DRCOG Signal Timing* (February 2010)
- *Truck Assistance on the I-70 Mountain Corridor* (March 2010)
- *Active Traffic Management* (June 2010)
- *NCHRP Report 572: Roundabouts in the US* (September 2010)
- *Traffic Signal Clearance Intervals* (October 2010)
- *I-70 Reversible Lanes* (November 2010)

A copy of the September 2010 Technical Interest Column on *NCHRP Report 572: Roundabouts in the United States* is included in Attachment 1 of this report. Nitin Deshpande is the Chair of the Technical Committee.

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 Committee posts a Legislative Update in the Section Newsletter. There were six legislative articles included in the newsletters in 2010. The topics of the articles included:

- Proposition 101 (February 2010)
- SAFETEA-LU Extension & US 36 Tiger Grant (March 2010)
- RTD FasTracks Update & Infrastructure Spending (April 2010)
- Colorado Legislative Issues (September 2010)
- Ballot Measures affecting Transportation (October 2010)
- Election Outcomes (November 2010)

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. Scott Thomas is the Chair of the Legislative Committee.



Meetings held during this reporting period:

Regular Luncheon/Seminars:

Date: 1/22/10	Purpose: Vendor Show	21 Vendors
Location: Arvada, CO		220 Attendees
Date: 3/5/10	Purpose: Status of Colorado Springs Projects	
Location: Colorado Springs, CO		42 Attendees
Date: 5/14/10	Purpose: Section Business Lunch	
Location: Westminster, CO		40 Attendees
Date: 9/17/10	Purpose: Bicycles & Living Streets	
Location: Centennial, CO		60 Attendees
Date: 10/22/10	Purpose: I-70 Reversible Lanes	
Location: Loveland, CO		48 Attendees
Date: 12/3/10	Purpose: Technical Presentation Skills	
Location: Denver, CO		56 Attendees

Continuing Education Workshops:

Date: 3/9/10	Type: Web Seminar	
Topic: General Overview of the 2009 MUTCD		Attendance: 27
Date: 12/2/10	Type: Web Seminar	
Topic: Safety and Operation of HAWK Signals		Attendance: 21
Date: 12/3/10	Type: Workshop	
Topic: Ten Steps to Dynamic Presentations		Attendance: 19

Joint/Special Meetings:

Date: 4/9/10	Location: Pepsi Center, Denver, CO
Purpose: 8th Annual Transportation Symposium - Joint Symposium with Women's Transportation Seminar, the Rocky Mountain Intelligent Transportation Society, and the American Council of Engineering Companies	Attendance: 170
Date: 6/4/10	Location: Common Ground Golf Course, Aurora, CO
Purpose: Announcement of Colorado/Wyoming Section Officer Election Results and Annual Golf Outing	Attendance: 62



Student Section Activities:

The University of Wyoming's Student ITE Chapter remains an active student chapter. The chapter is co-advised by Rhonda Young and Steven Boyles who are both transportation faculty members at the University of Wyoming. The chapter holds meetings twice per month as well as organizing one or two field trips each semester. In July 2010, thanks to the financial aid of the Section, four student members attended the ITE Western District Annual Meeting in San Francisco where the students participated in the Student Traffic Bowl and the MiteY Race that was held in lieu of the Kell design competition.

This past year also marked the reactivation of the student ITE Chapter at the University of Colorado at Denver (UCD). The chapter is advised by Wes Marshall, transportation professor at the University of Colorado. While still in its formative phase, the chapter held three successful meetings in the fall of 2010, including a tour of the City of Denver Traffic Management Center and a film screening of *Falling from Grace*, a film about the negative effects of urban sprawl. Also, with Section funding, four UCD students attended the ITE Western District Annual Meeting in San Francisco in July 2010.

Awards presented during this reporting period:

Award Name:	<i>Transportation Professional of the Year Award</i>
Recipients:	2009 Western District Local Arrangements Committee: Nate Larson – URS Will Johnson – Apex Design Jamie Archambeau – PBS&J Alex Ariniello – LSC Paul Brown – Jacobs Aaron Heumann – Martin/Martin Sarah Karjala – Denver Regional Council of Governments Margie Krell – URS John La Sala – City and County of Denver Kari McDowell – McDowell Engineering
Purpose of Award:	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.
Form of the Award:	Plaque and recognition at the May luncheon meeting.
Award Name:	<i>Lifetime Achievement Award</i>
Recipient's Name:	Bill Hange, City Traffic Engineer for Loveland, Colorado
Purpose of Award:	The Lifetime Achievement Award recognizes continued, significant service to the transportation profession and the Colorado/Wyoming Section.
Form of the Award:	Plaque and recognition at the December luncheon meeting.



SECTION ACTIVITIES SUMMARY



INSTITUTE OF TRANSPORTION ENGINEERS

Colorado/Wyoming Section Activities Summary

For the period January 1, 2010 to December 31, 2010



Introduction:

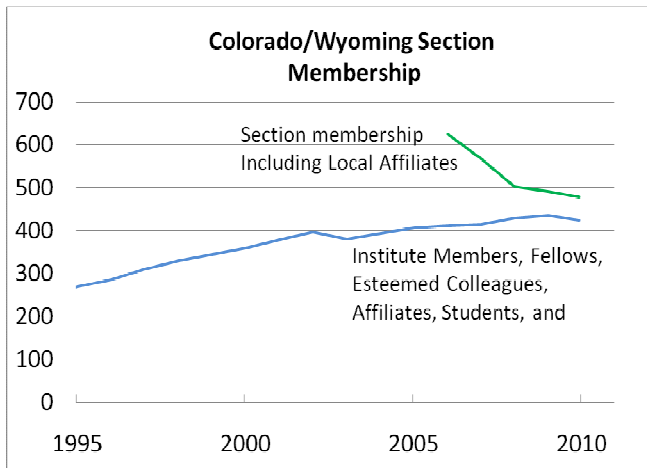
The combination of strong leadership and new initiatives has made 2010 an exciting year for the Colorado/Wyoming Section. In addition to updating the Section Charter and Bylaws, the Executive Committee created a five year strategic plan for the Section. The plan sets goals for the Section and includes measurable benchmarks to track progress. The strategic plan is discussed in this report and included in Attachment 3. Also new to 2010, the Executive Committee began administering surveys at Section meetings. The surveys aim to obtain information from members on priorities relative to technical topics of interest and meeting time preferences.

Initiatives, such as the Section Strategic Plan and membership surveys, are what make the Colorado/Wyoming ITE Section a dynamic and exciting organization. In addition, the members' interest and enthusiasm for technical transportation topics, continues to draw engineering professions from the Section. Three papers from Colorado/Wyoming members were published in the ITE Journal in 2010. The following report provides a summary of the Section's membership, financial status, and activities from 2010.

Officers/Membership:

The Colorado/Wyoming Section has been effective in attracting a group of diversified professionals to the Executive Committee, which consists of 18 members from the public and private sectors. Executive Committee (EC) meetings are advertised in the Section newsletter and are often attended by Section members who generate lively discussions and new ideas. This liveliness has sparked creative ideas for meeting topics, training, and career guidance.

As shown in the following chart, the number of national ITE members in the Section has increased steadily over the last 15 years, from 270 members in 1995 to 420 members in 2010. Total membership, including local affiliates, has dropped in recent years; however, this decrease is mainly due to better record keeping practices and the section encouraging qualified members to join at the national level.



The section recruits new members by holding joint events with peer organizations (e.g., American Society of Civil Engineers) in order to increase the awareness of ITE. The Section also promotes its events through ITE Champions, leaders in the Section who promote ITE within their company or government agency.

Finally, the Section focuses on retaining existing membership through surveys, which provide information on member priorities, allowing for a more focused organization.

Finances:

As our Section members continue to be committed to ITE, the financial foundation of the Colorado/Wyoming Section remains very solid. Our finances are actively tracked and managed by the Secretary/Treasurer. To keep members informed, monthly and year-to-date budget summaries are published in each newsletter. Our fundraising abilities over the years have generated significant income for the Section which allows the Section to support several charities, reward scholarships, and fund many technical and educational opportunities for our members.

In 2010, the Section gave \$3,500 in scholarships to students and \$1,200 to charities. The charities supported by the Section included: *Las Chicas de Matematicas* – an organization which encourages girls into the fields of science, technology, math, and engineering; *Hermanitas* – a youth mentoring program for high-risk Latina high school girls; and *Sam Sandos Christmas Baskets* – a program which distributes baskets of food to families in need at the holidays. The Section also held a food drive at its Holiday Luncheon in December 2010 that yielded about 50 pounds of items that were donated to the Food Bank of the Rockies.

Section Meetings:

The Section meets approximately every six weeks at luncheon meetings, except from June through August. The meetings typically include time for networking and technical presentations. The speaker topics at the 2010 Section meetings included:

- Status of Colorado Springs Projects
- Transportation for the Times: Bicycles & Living Streets
- I-70 Reversible Lanes, and
- What Makes a Great Technical Presentation

A joint meeting, the Spring Transportation Symposium, is held in April of each year with the Women's Transportation Seminar, the Rocky Mountain Intelligent Transportation Society, and the American Council of Engineering Companies. The symposium is a statewide conference featuring presentations on technical transportation topics; there were 170 attendees in 2010. The symposium featured a panel discussion on transportation issues affected by the aging population, technical breakout sessions, and keynote speaker Kevin Flynn – longtime transportation journalist in Colorado. **The 2010 Spring Symposium raised \$225 in scholarship funding.**



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 2010, there were 220 attendees at the meeting and 21 vendors present.



Vendor Show (February 2010)

Newsletter/Website:

The Section published eight issues of our *Conveyances* newsletter over the reporting period. The newsletter is published every six weeks, 10 days prior to each Section luncheon. Since there are no luncheons June through August, no newsletters are published during the summer months. The newsletters are published in an electronic format and are made available to the membership through the Section website. A copy of the October 2010 newsletter is included in Attachment 2 of the report. ***Conveyances* was recognized as the best newsletter for a large section by the Institute in 2010.**

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, and employment announcements. 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.

The Section website, <http://www.cowyite.org/>, has been updated in recent years, and is now more accessible than ever. The website, which has an average of 50 visits per day, also won the Western District award in 2005 and 2010. The website allows members to register for luncheons, training sessions, golf tournaments and any other special event as well as pay electronically through PayPal. Following the initiation of video posts of Section luncheon meetings in 2009, the Section is on a continual path of improvement with both the website and other methods to expand the reach of Section activities to all members of this large Section area.

Legislative Activities:

Legislative activities are actively monitored by the Section's Legislative chair, Scott Thomas. Six Legislative Articles were featured in the *Conveyances* newsletters in 2010. The articles featured both nationwide and Colorado specific transportation funding issues and legislation.

With 2010 being an election year, the Legislative committee informed Section membership of key ballot measures which affect transportation funding. The committee also summarized the outcomes of the election in the November 2010 newsletter and informed membership of opportunities to become involved in the legislative process. Finally, the Legislative articles kept members up to date on Federal transportation funding, including the status of SAFETEA-LU and funds received from the TIGER (Transportation Investment Generating Economic Recovery) Discretionary Grant Program.



Technical Activities:

The Section has been active in technical activities including papers, presentations, regular and joint meetings, and continuing education programs. An effective means of sharing innovative technical approaches continues to be the technical articles published in the Section newsletter. In 2010, this column has included the following topics: Transit Signal Priority, Signal Timing, Truck Assistance on the I-70 Mountain Corridor, Active Traffic Management, Roundabouts in the US, Traffic Signal Clearance Intervals, and Reversible Lanes on I-70.

Also in 2010, three members of the Colorado/Wyoming Section - Philip Demosthenes, Jerry Maschka, and Rhonda Young – published technical articles in the *ITE Journal*. The details of their publications are listed below:

- Practices in Access Management, by Philip Demosthenes (January 2010).
- Traffic Signal Health Index Program: A System to Better Identify and Manage Traffic Signal Inefficiencies and Failures, by Jerry Maschka (September 2010).
- Everything You Need to Know About Transportation Engineering in 40 Hours, by Michael Kyte, Andrea Bill, and Rhonda Young (October 2010).

Finally, the Technical Committee collaborated on a paper titled *Simulation Based Operational Performance of Roundabouts at Intersections with Unbalanced Traffic Volumes*. The paper has been accepted for presentation at the ITE Western District Meeting in Alaska in July 2011. The paper has also been accepted for a poster presentation at the TRB International Roundabout Conference held in Indiana in May 2011. Nitin Deshpande is the Chair of the Technical Committee.

Continuing Education Activities:

Given the economic and outreach benefits of web seminars, this means of education has proven to be very cost effective for members. The Section hosted two continuing education web seminars in 2010. The topics included: General Overview of the 2009 MUTCD and Safety and Operation of HAWK Signals. In addition, members attended several other web seminars on their own, from the convenience of their own office. A two hour workshop was conducted in December 2010 on Ten Steps to Dynamic Presentations. The Continuing Education Committee is headed up by Joe Henderson.

Student Section Activities and Scholarships:

The University of Wyoming's Student ITE Chapter remains an active student chapter. The chapter is co-advised by Rhonda Young and Steven Boyles who are both transportation faculty members at the University of Wyoming. The chapter holds meetings twice per month as well as organizing one or two field trips each semester. In July 2010, thanks to the financial aid of the Section, four student members attended the ITE Western District Annual Meeting in San Francisco where the students participated in the Student Traffic Bowl



University of Wyoming Student Chapter at the ITE Intermountain Meeting (May 2010)



and the MiteY Race that was held in lieu of the Kell design competition.

This past year also marked the reactivation of the student ITE Chapter at the University of Colorado at Denver (UCD). The chapter is advised by Wes Marshall, transportation professor at the University of Colorado. While still in its formative phase, the chapter held three successful meetings in the fall of 2010, including a tour of the City of Denver Traffic Management Center and a film screening of “Falling from Grace,” a film about the negative effects of urban sprawl. Also, with Section funding, four UCD students attended the ITE Western District Annual Meeting in San Francisco in July 2010.

The Colorado/Wyoming Section awarded \$3,500 in scholarships to college students in 2010. Also of note, the student scholarship application was reformatted in 2010, creating a deadline and more formal procedure for scholarship applications. Melissa Rosas is the coordinator of scholarships, career guidance and student chapter activities. Freddy He is the student chapter liaison for the University of Colorado at Denver, while Chris Vokurka is the student chapter liaison for the University of Wyoming.

Social Activities:

Over 60 golfers participated in the Section’s golf tournament at Common Grounds Golf Course in June 2010 and the event raised over \$700 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.



Colorado/Wyoming Section Golf Tournament (June 2010)

New this year, the Section participated in an improv comedy show after the May Section Business Meeting. The show was specially catered to transportation topics. There were 40 members in attendance at the improv show; this activity was well received and the members in attendance enjoyed a very entertaining show.



Colorado/Wyoming Section Improv Comedy Show (May 2010)

Finally, happy hours and informal poker nights provide local professionals the opportunity to socialize and network. New this year, a joint younger member happy hour was held with the American Society of Civil Engineers in November, 2010.

Awards:

The Colorado-Wyoming Section presents two awards annually – the Lifetime Achievement and the Transportation Professional of the Year. The award is presented at a Section meeting, and the recipient’s spouse and family are encouraged to attend. Each recipient receives a suitably engraved plaque as well as the best wishes and heartfelt thanks of the Section.



The Lifetime Achievement Award is presented each year in December and honors an individual, who for an extended period of time, has contributed in an outstanding manner to the advancement of the transportation engineering profession. The 2010 recipient – Bill Hange – was recognized for his very active participation in Colorado/Wyoming Section activities since 1980. Hange has served the Section in many ways, including Section president, several roles on the Executive Committee, and a monthly column in the Section newsletter. He has been the City Traffic Engineer for Loveland, Colorado for 16 years. He is currently a member of ITE's National Roundabout Task Force and has been at the forefront of transportation innovation, co-sponsoring the first international roundabout conference, held in Loveland, Colorado in 1998.



Bill Hange, on right, receiving Lifetime Achievement Award (December 2010)

The Transportation Professional of the Year Award is presented in May and recognizes notable professionalism and achievement by a Section member during the previous calendar year. The 2010 recipients were the members of the Local Arrangements Committee (LAC) for the 2009 Western District Annual Meeting. This very successful meeting was held in Denver in July 2009. The LAC began preparations three years before the meeting, but as with all events of this magnitude, the last six months required particularly intense efforts. The 2010 Transportation Professional of the Year recognized the many hours of work that each chair contributed to the benefit the Colorado/Wyoming Section. The following are the recipients:

LAC Co-Chairs:

Nate Larson, URS
Will Johnson, Apex Design

Committee Chairs:

Jamie Archambeau, PBS&J - Registration
Alex Ariniello, LSC - Technical
Paul Brown, Jacobs Engineering - Publications
Aaron Heumann, Martin/Martin - Finance
Sarah Karjala, DRCOG – Student and Professional Traffic Bowl
Margie Krell, URS - Social and Family Events
John La Sala, City and County of Denver – Hotel/Hospitality
Kari McDowell, McDowell Engineering – Promotion



Local Arrangements Committee for the 2009 Western District Annual Meeting



Section Strategic Plan:

The Executive Committee has recognized that in order to grow in capability and value and best serve its members, especially in response to a down economy, the Section needs a multi-year strategic plan to guide the efforts of the individual Section committees and the Executive Committee as a whole in order to provide continuity of the Section's purpose. As such, the Executive Committee adopted a five-year strategic plan (see Attachment 3) in September, 2010.

The strategic plan sets goals over the next five years and identifies specific strategies to attain those goals. Each year, the successive Section Presidents 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 major goals of the current plan extend directly from the Section purposes listed in the Charter:

Bring more people together – Since the core Section purpose is bring transportation professionals together to network, to learn, and, at times, to enjoy ourselves, the Executive Committee will strive to bring even more transportation professionals together.

Share more knowledge and experience – The Executive Committee will strive to improve access to key transportation-related information and continuing education.

Increase participation of students and younger members – As we all recognize that our student members and our younger members are the future of the Section and our industry, the Executive Committee will strive to increase opportunities for these members to participate in the Section function and development.

As the strategic plan was adopted near the end of the year, the progress towards the goals is modest; however, there are achievements to highlight:

- The Editorial Committee, chaired by John La Sala, coordinates membership communications with the Website Committee, Scribe, Social Media Coordinator, and the Newsletter Editor. In addition, the Executive Committee adopted the use of an e-mail service provider.
- The Executive Committee has implemented luncheon surveys in order to strengthen the membership feedback loop to better track the needs of the Section members.
- The Program Committee, chaired by Chris Sheffer, expanded its membership and has improved the program development process. Also, the Executive Committee approved a budget to support the Program Committee in order to expand the program offerings.
- The Executive Committee created and filled two Student Chapter Professional Liaison positions on the Executive Committee, which has served to strengthen the relationship between the Section and the Student Chapters.



While pleased with its achievements, the Executive Committee recognizes that there are immediate opportunities on which to focus in the coming year, including: increasing luncheon attendance, outreach to remote communities within Colorado and Wyoming through luncheon webcasts, expanding communications to transportation professionals outside of the membership; increasing the quality and quantity of continuing education offerings; increasing coordination with other local transportation engineering groups; and, completing a baseline membership survey to allow the Executive Committee to measure progress towards its strategic goals.

Section Charter and Bylaws:

In the fall of 2009, the Executive Committee established a Bylaws Subcommittee composed of the following members: Dave Hattan, Greg MacKinnon, Melissa Rosas, Mark Schaefer, Chris Sheffer, and Ben Waldman. The Bylaws subcommittee was charged with completing a review of the Section Bylaws to determine if an update is required. The subcommittee determined that the Section Bylaws (last updated in 1996) and Section Charter (established in 1973 and never updated) both required updating in order to be consistent with both current Section processes and Western District guidance.

The subcommittee presented a revised Section Charter and Bylaws to the Executive Committee in April 2010. The Executive Committee approved the documents, which were transmitted for consideration at the Western District annual meeting (June 2010) at which the Charter was approved and the Bylaws confirmed so that they may be brought to the membership for consideration.

On October 15, 2010, the Executive Committee notified the membership that the proposed Bylaws were available on the Section website for review with voting to be held electronically from November 29, 2010 to December 10, 2010. With 82 votes (20% of membership) cast, the new Bylaws were overwhelmingly approved at 97%. The Bylaws were then scheduled for consideration at the Western District mid-year meeting in February 2011.



ATTACHMENTS

Attachment 1 – September 2010 Technical Interest Column

Attachment 2 – October 2010 Issue of the Colorado/Wyoming *Conveyances* Newsletter

Attachment 3 – Section Strategic Plan

Attachment 4 – Section Charter

**Attachment 1:
September 2010 Technical Interest Column**

Technical Committee Interest Column

by Nitin Deshpande, P.E., Jacobs

**NCHRP Report 572
Roundabouts in the United States**

Roundabouts are becoming more common in the United States. As of December 2009, the number of modern roundabouts in the United States has jumped to around 2,300*. However, the operational analysis of a single-lane or multi-lane roundabout still remains a challenge. NCHRP Report 572, under NCHRP Project 3-65, presents results of recent research on roundabouts in the United States. The operational findings, conclusions, and recommendations of this report are important for traffic analysts and designers as they will form the basis of the 2010 Highway Capacity Manual methodology for operational analysis of roundabouts.

The operational findings chapter of the report presents an assessment of the existing capacity and delay models, mostly from other countries, on how well they replicate the U.S. experience. A comparison of model-based entry capacity and actual entry capacity observed at multiple roundabout locations within United States indicate the models over-predict the observed entry capacity. The report cautions on the use of existing models without calibration to U.S. conditions. The report concludes that the drivers in the United States appear to use roundabouts less efficiently than models from other countries suggest. In addition, geometry in the aggregate sense (number of lanes), has a clear effect on the capacity of a roundabout entry. However, the details of geometric design appear to be secondary and less significant than variations in driver behavior at a given site, and between sites.

The NCHRP Report 572 also proposes a new set of exponential capacity models for single-lane roundabouts and for the critical lane of two-lane roundabouts. The Report also provides a Level of Service (LOS) table based on Average Control Delay thresholds for roundabouts. The proposed LOS criteria for roundabouts are the same as the LOS criteria for stop controlled intersections in HCM 2000. The LOS for the intersection as a

whole is not recommended because doing so may mask an entry that is operating with much higher delay than the intersection as a whole.

I encourage you to explore the NCHRP Report 572 (located here - http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_572.pdf) as I think it will become a pivotal document in determining the capacity, level of service, and operational performance of roundabouts in United States.

*Source: Roundabout USA website-<http://www.roundaboutsusa.com/history.html> accessed on 08/27/2010

Table 49. Proposed LOS thresholds for roundabouts.

Level of Service	Average Control Delay (s/veh)
A	0 – 10
B	> 10 – 15
C	> 15 – 25
D	> 25 – 35
E	> 35 – 50
F	> 50



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ericboivin@alltrafficdata.net

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Traffic Calming
Traffic Engineering Design
Traffic Operations & Simulation
Transit Planning & Operations
Transportation Systems Planning

Attachment 2:
October 2010 Issue of the Colorado/Wyoming
***Conveyances* Newsletter**



Conveyances

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

Members of the Outstanding ITE Section ...



I cover three items in this message: the Executive Committee's strategic plan, the Section Bylaws, and comments on the table survey from the last luncheon.

The Executive Committee has adopted a strategic plan to guide the efforts of the individual committees and the Executive Committee as a whole. The

strategic plan sets goals for the next five years and lists strategies to attain those goals. Each successive Section President will evaluate the Executive Committee's progress towards the goals and will lead the revision of the plan both to account for the rate of progress and to extend the five-year horizon.

The major goals of the plan stem directly from the Section purposes listed in the Section Charter.

- **Bring more people together** – Since the core Section purpose is bring transportation professionals together to network, to learn, and, at times, to enjoy ourselves, the Executive Committee will strive to bring even more transportation professionals together.
- **Share more knowledge and experience** – The Executive Committee will strive to improve access to key transportation-related information and continuing education.
- **Increase participation of students and younger members** – As we all recognize that our student members and our younger members are the future of the Section and our industry, the Executive

Committee will strive to increase opportunities for these members to participate in the Section function and development.

The strategic plan has been posted on the [Section website](#) for your review. If you have any comments or suggestions, please send them to me and they will be considered in the plan update next year.

The Section Charter and Bylaws have also been posted on the [Section website](#) and are available for your review. The Executive Committee plans to formally distribute the Bylaws to the membership October 15th to be followed by a membership vote from November 29th to December 10th. The Bylaws follow the form of the model provided by District 6 and they have been modified to describe how our Section does business.

Finally, I would like to thank all the members who completed the table surveys at the last luncheon. Several good comments were provided including significant interest in Colorado's Amendments 60 and 61 and Proposition 101. Clear summaries of these initiatives are included in the Colorado Blue Book (which can be found at <http://tinyurl.com/2fthjwc>). In addition, our Legislative Chair, Scott Thomas, discusses these initiatives in his article both in this newsletter and the last. He will also give a brief summary of these initiatives in his committee report at our next luncheon, which will be held at the Budweiser Event Center in Loveland on October 22nd. Our program will be the I-70 "zipper" lanes, which will prove to be an interesting topic. I look forward to seeing you there.

Greg MacKinnon
President
Colorado-Wyoming Section ITE

Upcoming Events ...

October Luncheon · Page 9	Oct. 22, 2010
ITE Webinars · Page 3	Oct. 26 & 28, 2010
Green Streets and Highways Conference · Page 11	Nov. 14-17, 2010

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Legislative Update · 6	Events Calendar · 10

September Luncheon

by Kari McDowell, Section Scribe

The Colorado/Wyoming ITE Section held their 2010 Annual Business Luncheon on Friday, September 17th at the Embassy Suites Hotel in the Denver Tech Center. 2009-2010 Section President, Ben Waldman, presided over the Section's business meeting luncheon with 60 members in attendance.

The meeting began with Waldman welcoming Ken Ackeret, Western District International Director, who swore in this year's officers. Greg MacKinnon was sworn in as the Section President; Chris Sheffer as Vice-President; and John LaSala as Secretary/Treasurer.

Greg MacKinnon presented Ben Waldman with the Past President award to recognize his contributions as last year's Section president. Greg then presented the President's announcements which included this year's Executive Committee. Finally, he also reminded the group that abstracts for the 2011 ITE Western District Meeting are due October 1st.

The Section is looking for volunteers to Professional Liaisons for the Section's Student Chapters.

The Colorado/Wyoming Section received several District and international Awards this past year.

- Activities Award (District)
- Website (District)
- Newsletter (International)
- Recognition of the Section's Contribution to the Student Endowment Fund (District)

Ken Ackeret read a proclamation declaring September 17th as Melissa Rosas' Day for her numerous accomplishments while serving ITE.



Dave Hattan presented Sarah Karjala with a belated Transportation Professional of the Year Awards for her service as committee chair at the 2009 Western District Annual Meeting.

Vice President, Chris Sheffer introduced the program speakers, Crissy Fanganello and Emily Kreisa with the City and County of Denver's Policy and Planning group.

Together, they presented on "Transportation for the Times: Bicycles and Living Streets". Crissy covered Living Streets and Emily talked about the City's bicycling initiatives. B-cycle is the first large scale bike sharing program in the United States.

Our next Section luncheon will be held on Friday, October 22nd. Registration will be available at www.cowyite.org.

The Colorado/Wyoming Section contact is Greg MacKinnon at GMacKinnon@drcog.org or (303) 480-5633. Also, please visit our Section's website at www.cowyite.org.



Ken Ackeret, Western District International Director, swears in this year's officers.



The Colorado/Wyoming Section received several District and international Awards this past year.



Crissy Fanganello and Emily Kreisa with the City and County of Denver's Policy and Planning Group, present the luncheon program "Transportation for the Times: Bicycles and Living Streets."

Continuing Education Committee

by Joe Henderson, Chair

As the new Chair of Continuing Education, I have a goal of setting up at least one webinar per month so that the membership can take advantage of the savings offered by the Section and the time to discuss the content with others in attendance. I am searching for locations where the webinars can be viewed so please let me know if the Section can use your office for this purpose.

ITE publishes its upcoming webinars about two months in advance. Here are the upcoming webinars. Please let me know if there are any that you are interested in viewing and I will see what I can do to set it up.

- Multi-Modal School Site Planning, Design and Transportation for Primary Grades (Grades K-8) - 10/28/2010

The Section is also considering hosting classes on a specific topic or piece of software. Please let me know what interests you. You may contact me at (303) 589-6875 or at trafficczar@live.com.

University of Wyoming Student Chapter Update

by Rhonda Young, PE, PhD



The University Of Wyoming Student Chapter of ITE had a great summer and is looking forward to an exciting fall semester. This summer Wyoming students attended both the Intermountain Section meeting in Jackson Hole in May and the Western District Annual Meeting in San Francisco in June. The Intermountain Section meeting was having their 50th Anniversary and invited the Wyoming Chapter to compete in a transportation history

competition since Wyoming used to be part of the Intermountain Section. The Wyoming presentation won the competition (Go Pokes!) and the students enjoyed the meeting and networking with the other chapters. As part of this trip the students also toured transportation projects in Yellowstone with Western Federal Lands representative (and UW alumnus) Shane Schieck.

Six students attended the Western District Meeting in June and competed in the MiteY Race and the Student Traffic Bowl. Unfortunately the chapter was not able to retain the Traffic Bowl trophy this year but look forward to earning it back next year!

On Wednesday evenings this semester, professional development meetings will be held in which we invite transportation professionals to speak. The meetings are held every two weeks and started on September 8th with officer elections. Other speakers have been lined up throughout the semester, but we are always looking for speakers so please contact us if you are interested. Check out our website at <http://www.eng.uwyo.edu/societies/ITE/> for the latest Chapter news. We have three field trips planned for this semester in conjunction with a graduate class on ITS.



University of Wyoming Students at the Intermountain Section Meeting in Jackson Hole.

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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 September 21, 2010		
Income	Budget	Actual
Executive Committee		
Business Card Ads	\$3,375.00	\$1,800.00
Dues - ITE Payment	\$4,000.00	\$0.00
Dues - Misc	\$300.00	\$0.00
Employment Ads	\$150.00	\$0.00
Interest	\$200.00	\$40.88
Lunch Meetings	\$9,700.00	\$1,686.00
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	\$3,526.88
Expense	Budget	Actual
Executive Committee		
Administrative	\$1,400.00	\$165.50
President's D6 registration	\$500.00	\$0.00
Bank Charges	\$100.00	\$10.00
EC Meetings	\$1,000.00	\$118.42
Lunch Meetings	\$10,600.00	\$1,561.86
Program Committee	\$1,500.00	\$0.00
Newsletter Contest	\$100.00	\$25.00
Spring Symposium	\$8,250.00	\$0.00
Vendor Show	\$7,000.00	\$0.00
Activities		
Charitable Giving	\$1,000.00	\$0.00
Happy Hour	\$350.00	\$0.00
Annual Activity	\$2,500.00	\$0.00
Awards	\$250.00	\$113.35
Continuing Education	\$4,500.00	\$0.00
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	\$1,994.13
Total	\$0.00	\$1,532.75

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

Technical Committee Interest Column

by Nitin Deshpande, P.E., Jacobs



Traffic Signal Clearance Intervals

There seems to be a common agreement between various local, state, national, and international agencies that the timing of traffic signal clearance intervals (yellow and all-red time) can affect accident

rates at signalized intersections. Although the calculation of clearance interval timings is relatively straightforward, the field implementation still remains a challenge. This article attempts to present a general overview of the clearance interval determination methods or policies being used in North America.

When approaching an intersection, a driver is faced with one of several situations when the clearance interval occurs. For example, a situation where the driver can either stop or proceed through the intersection when yellow clearance interval occurs (decision zone) or a situation where the driver can neither stop comfortably nor proceed through and clear the intersection before the conflicting green indication appears (dilemma zone). The ideal clearance interval timing addresses both these situations by eliminating the dilemma zone and minimizing the decision zone.

A review of ITE publications, recent articles and research papers reveal three different clearance interval determination methods or policies being used by the agencies –

- **Kinematic Model equation**—The *ITE Traffic Engineering Handbook*, 6th Edition, and the *ITE Traffic Control Devices Handbook*, 2001 Edition, provide formulae to calculate clearance intervals (yellow and red times) based on the kinematic model. The look-up tables showing yellow and red clearance interval values are also included in the *Traffic Control Devices Handbook* for quick reference.
- **Rule-of-Thumb method**—Includes the calculation of yellow time based solely on speed. The approach speed in miles-per-hour is divided by 10 to determine the length of yellow change interval. The red clearance interval of 2 seconds or less is typically used.
- **Uniform Value method** (uniform clearance interval lengths)—Various studies report that a uniform value of 4.0 or 4.5 seconds for the yellow change interval length is sufficient to accommodate most of approach speeds and deceleration rates. *The Manual on Uniform Traffic Control Devices* (MUTCD 2009

Edition) states that a yellow change interval should be approximately 3 to 6 seconds, and the *ITE Traffic Engineering Handbook* states that a maximum of 5 seconds is typical for the yellow change interval. The red clearance interval, if used, should not exceed 6 seconds (MUTCD), but 2 seconds or less is typical (ITE).

Research has documented that all of these methods work acceptably and no single method is superior. However, there seems to be a lack of uniformity across North America in the application of methods and factors used to determine traffic signal clearance intervals. Also, local signal design standards may vary from the suggested methods resulting in a new sub-set of earlier discussed methods.

Table 10-13. Yellow Change Intervals for Various Grades Using Formula in Figure 10-36¹

85th Percentile Speed, mi/hr	Grade of Approach												
	Uphill						Level	Downhill					
	+6%	+5%	+4%	+3%	+2%	+1%	-1%	-2%	-3%	-4%	-5%	-6%	
15	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
20	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
25	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.2
30	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.2	3.3	3.4	3.4	3.5	3.6
35	3.2	3.2	3.3	3.3	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.1	4.2
40	3.5	3.5	3.6	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.4	4.5	4.6
45	3.8	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.7	4.8	4.9	5.1
50	4.1	4.2	4.2	4.3	4.4	4.6	4.7	4.8	4.9	5.1	5.2	5.4	5.5
55	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.2	5.3	5.5	5.6	5.8	6.0
60	4.7	4.8	4.9	5.0	5.1	5.3	5.4	5.5	5.7	5.9	6.0	6.0	6.0
65	5.0	5.1	5.2	5.3	5.5	5.6	5.8	5.9	6.0	6.0	6.0	6.0	6.0

¹ Where the Yellow Change Interval applies to two or more approaches, the one with the greater downhill grade governs.

Table 10-14. Red Clearance Intervals for Full Intersection Clearance Using Formula in Figure 10-37

85th Percentile Speed, mi/hr	Red Clearance Interval, in Seconds, for Width of Intersection, in Feet, as shown in Figure 10-37									
	40	60	80	100	120	140	160	180	200	
15	2.5	3.4	4.3	5.2	6.1	7.0	8.0	8.9	9.8	
20	1.9	2.6	3.2	3.9	4.6	5.3	6.0	6.7	7.3	
25	1.5	2.0	2.6	3.1	3.7	4.2	4.8	5.3	5.9	
30	1.3	1.7	2.2	2.6	3.1	3.5	4.0	4.4	4.9	
35	1.1	1.5	1.8	2.2	2.6	3.0	3.4	3.8	4.2	
40	0.9	1.3	1.6	2.0	2.3	2.6	3.0	3.3	3.7	
45	0.8	1.1	1.4	1.7	2.0	2.3	2.7	3.0	3.3	
50	0.8	1.0	1.3	1.6	1.8	2.1	2.4	2.7	2.9	
55	0.7	0.9	1.2	1.4	1.7	1.9	2.2	2.4	2.7	
60	0.6	0.9	1.1	1.3	1.5	1.8	2.0	2.2	2.4	
65	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.3	

A red clearance interval may be used to meet the required time shown in Table 10-13 when the maximum length of the yellow change interval is set at 5.0 seconds.

Source: ITE Traffic Control Devices Handbook (2001)



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Legislative Committee Update

by *Scott Thomas, Chair*

With the elections drawing near, I'm following up to last month's article about important ballot measures that will impact our transportation industry: Amendments 60 and 61 and Proposition 101.

To review the official wording of the 2010 general election ballot initiatives, visit this link: <http://www.sos.state.co.us/pubs/elections/main.htm>. By now, you should have received your 2010 State Ballot Information Booklet. The booklet describes each ballot measure, along with the arguments for and against each and the fiscal impacts. A few excerpts about 60, 61, and 101 from the booklet are as follows:

Amendment 60 – Has a fiscal impact by reducing property taxes for local and state expenditures, thus reducing the amount of tax government agencies will receive.

- Argument for: "provides property tax relief for Coloradans in a tough economic climate"
- Argument against: "overturns nearly two decades of voter-approved tax decisions that fund important services provided by cities, school districts, and special districts"

Amendment 61 – Places limits on state and local government borrowing, which is currently used to build or improve public facilities like roads, buildings, and airports. This affects Colorado's state government by prohibiting any future borrowing capacity for public infrastructure projects.

- Argument for: "Borrowing is expensive because it includes interest payments and fees."
- Argument against: "Borrowing is a crucial tool for financing large public investments such as prisons, schools, and water projects."

Proposition 101 – Reduces or eliminates taxes and fees on vehicle purchases, registrations, leases, and rentals that are used for state and local transportation budgets. One such program that would be eliminated is Colorado's FASTER bill.

- Argument for: "Allowing businesses to keep more of their own money helps the economy."
- Argument against: "Colorado's economic success

depends on services that governments provide, such as education and a safe transportation system."

We encourage our members to take time to understand these initiatives in order to make informed decisions in November.



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Letter to the Editor

by Bill Hange, City of Loveland

Colorado state-wide ballot initiatives 60, 61, and proposition 101 have been projected by private citizens and local/state governments to severely impact budgets from everything from roadway projects to schools. A number of local agencies have prepared alternative budgets with budget cuts that could severely cut programs and reduce services related to streets and highways.

Opponents of these measures have estimated a direct loss of 73,000 private and public jobs in Colorado should these measures pass this fall. Proponents advertise an instant tax cut, opponents say that these measures, if passed, would severely limit local governments' ability to let voters decide on public improvement projects and to maintain existing infrastructures including local streets and state highways.

I strongly encourage readers to get the facts on these items so you can be informed before voting. Try searching for "Colorado Ballot Initiatives 2010" online and there is lots of information available on these important 2010 ballot items.

Comments or issues expressed or discussed in letters to the editor do not reflect the opinions of the Section or the Executive Committee.

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Videos of the Section's business and presentations are now available to those who cannot make it the actual meeting. To access the videos, go to the [Meeting Videos](#) link on our website.

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SECTION ANNOUNCEMENTS



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



You are invited to join us...

The Denver Chapter of Engineers Without Borders is hosting an evening filled with fine wine, delicious appetizers,

and the fun and excitement of a silent auction! The **5th Annual Wine Tasting Fundraiser** will be held on November 11th from 6pm to 10pm at the Translations Gallery in Downtown Denver.

Tickets for the event are \$45. Space is limited so reserve now at <http://www.brownpapertickets.com/event/129849>.

Like to make a donation to the silent auction? Interested in joining our corporate sponsors?

Contact Jen at jencewb@gmail.com or visit the Chapter website at www.ewbdenver.org.

Proceeds will fund the Chapter's ongoing humanitarian projects in Togo, Madagascar and Ecuador.

This event is sponsored by:



STUDENT CHAPTER PROFESSIONAL LIASON

The District 6 Board is promoting a stronger linkage between the Sections and the Student Chapters within the district. In the Charter and Bylaws update process, District 6 has identified a new position to be created on our Executive Committee for each student chapter within the Section.

The new position is a Student Chapter Professional Liaison. The preferred characteristics of the person filling each position are:

- a recent graduate from the school at which the student chapter resides (currently either the University of Wyoming or the University of Colorado – Denver)
- a member of the Section
- employed in the transportation engineering field within the Section
- interested in advancing the objectives of the Section and ITE

The main role of the position is to coordinate between the Section Executive Committee and the Student Chapter Executive Committee (which you were likely a recent member). While a member of the Section Executive Committee, you can be sure that other opportunities to participate within the Section will present themselves.

If you are interested in opportunity of being the first to take on this new position, please contact the Section President, Greg MacKinnon, at 303-480-5633 or gmackinnon@drcog.org.

IMAGINE A DAY WITH ZERO TRAFFIC FATALITIES.

ITE AND ASCE CELEBRATES THE TENTH ANNUAL "PUT THE BRAKES ON FATALITIES DAY"

An early report released by the National Highway and Transportation Administration (NHTSA) estimated there were approximately 34,000 traffic fatalities in 2009. That's about 93 fatalities every single day - one fatality every 15 minutes. Imagine a day with zero traffic deaths where all drivers make a special effort to "Put the Brakes on Fatalities!"

The tenth annual Put the Brakes on Fatalities Day will be celebrated on October 10, 2010 by promoting the theme "Don't be Driven to Distraction-Drive to Arrive" to encourage the public to reduce driver distractions so they and their loved ones do not become one of those statistics.

The goal is to unite the country in achieving one full day of zero traffic deaths by encouraging safer behavior and actions, promoting safer roadways and vehicles, and creating improved ways to handle medical emergencies and enforcement of traffic regulations.

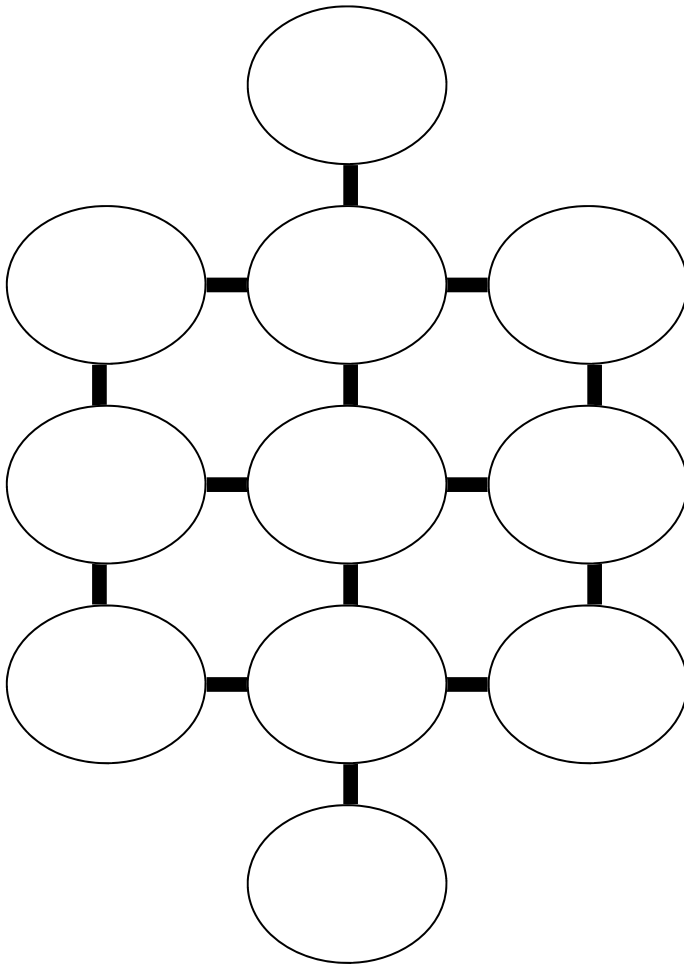
October was selected for the Put the Brakes on Fatalities Day observance because it is among the peak months for traffic fatalities. In fact, October 9th was the most dangerous day of the year to be on the road in 1999: 207 people died in traffic crashes according to the National Highway Traffic Safety Administration (NHTSA). February 22 was the safest day to be on the road that year: 50 were killed in motor vehicle crashes.

Puzzle Maniac

by Bart Przybyl, Newsletter Editor

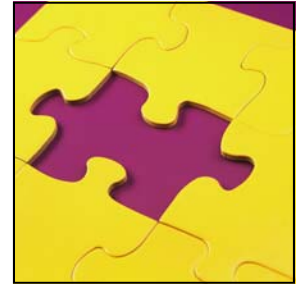
Congratulations to **Mark Schaefer**, who was last month's Puzzle Maniac winner! He generously chose to donate his prize to the University of Colorado at Denver Student Chapter.

For this issue's puzzle, use the five clues below to identify the locations of letters A through K in the diagram by placing one letter in each oval.



To win, be the first person to e-mail the correct answer to bartp@lscdenver.com by October 15, 2010.

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



1. J is left of K and above C
2. G is above F and right of J
3. E is above A and right of B
4. I is below D and left of A
5. B is above G and right of H

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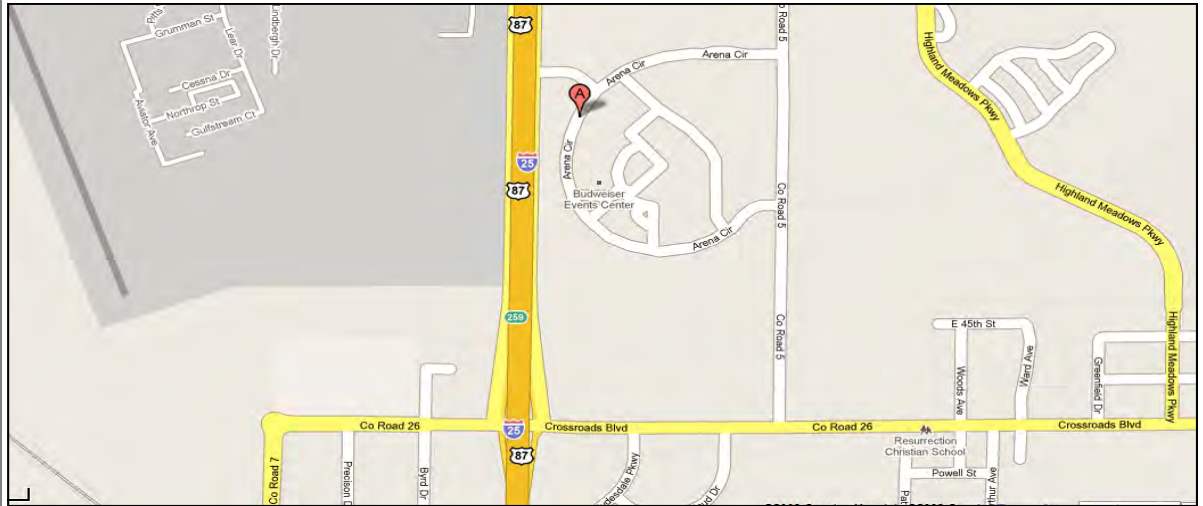
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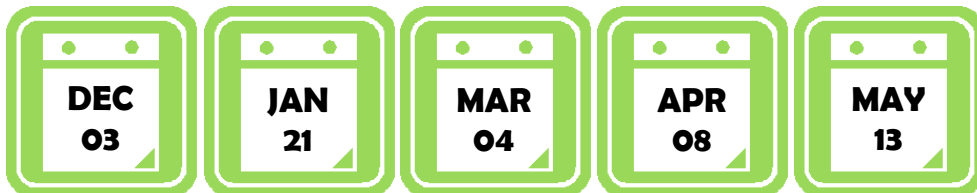
OCTOBER LUNCHEON

- What:** ITE Colorado-Wyoming Section Luncheon Meeting
- When:** **Friday, October 22, 2010**
- Where:** Budweiser Events Center at the Ranch
[5290 Arena Circle, Loveland, CO 80538](http://www.budweiser.com)
 Located at exit 259 (Crossroads Boulevard) on I-25



- Time:** 11:00 a.m. - Registration and Networking
 12:00 p.m. - Lunch Served
 1:00 p.m. - Program Presentation
 2:00 p.m. - Luncheon Ends
- Program:** Interstate 70 "Zipper" Lanes
- Speaker:** Tony DeVito – Region Transportation Director
 Colorado Department of Transportation, Region 1
- Cost:** \$30.00 for Members and
 \$35.00 for non-Members
- Menu:** The luncheon choices are:
Beef Bracciole—Thin Sliced Beef Filled with Spinach, Italian Bread Crumbs and Tomato Basil Sauce. Herb Roasted Baby Red Potatoes
Atlantic Salmon—Basted with a delightful honey-soy-ginger marinade and served with Basmati Rice Pilaf
Penne Pasta—Served with basil, olive oil, asparagus, mushrooms and julienne red peppers
 Entrées include a vegetable, a house salad, bakery rolls, and dessert.

Upcoming
 Luncheon
 Dates:



Events Calendar

Please send events to be posted in this calendar to Bart Przybyl, Newsletter Editor, bartp@iscdenver.com.



October 22, 2010

CO/WY ITE Section Luncheon
Budweiser Events Center, Loveland, CO

October 26, 2010

Promoting Sustainable Transportation
Through Site Design: An ITE Recommended Practice Webinar

October 28, 2010

Multi-Modal School Site Planning, Design
and Transportation for Primary Grades
(Grades K-8) Webinar

October 29, 2010

CO/WY ITE Section
Executive Committee Meeting
DRCOG



November 14-17, 2010

Transportation and Development Institute
Green Streets and Highways Conference

www.green-streets-highways.org

Denver, CO



December 3, 2010

CO/WY ITE Section Luncheon
Denver Metro

December 10, 2010

CO/WY ITE Section
Executive Committee Meeting



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



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

**TRAFFIC
SIGNALS
CONTROLS, INC**

255 Weaver Park Rd. Suite 100
Longmont, CO 80501
303.772.2787 Office
303.776.1270 Fax
www.trafsig.com



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Sensys Networks, Inc.
12066 S. Majestic Pine Way
Parker, CO 80134

+1 (720) 524-8900 direct
+1 (303) 526-8081 mobile
jcoleman@sensysnetworks.com

www.sensysnetworks.com



TRAFFIC ENGINEER

Company Description

Apex Design is a transportation engineering firm specializing in Traffic Engineering and Intelligent Transportation Systems (ITS). We work with government agencies to improve traffic flow and safety within their communities. Opportunities exist for talented individuals interested in working on challenging traffic and ITS planning, design, and operational projects. We offer employees the ability to grow both professionally and personally within the engineering profession.

Position Description

This opening is for a Transportation Engineer who will work under the direction of Senior Engineers. Candidates should be proficient in traffic signal timing and analysis using Synchro and traffic signal design. The candidate should also be comfortable working in a fast-paced, design/build work environment requiring interdisciplinary and agency coordination.

To apply, submit a cover letter and resume to careers@apexdesignnpc.com with attention to Jason Osaki, President.

Qualifications

- Degree in Civil/Transportation Engineering or a related field
- Colorado PE with a minimum of five years experience completing traffic engineering projects
- Design proficiency in MicroStation
- Ability to perform traffic engineering studies and operational analyses
- Traffic signal design and signal timing experience
- Possess a good understanding of at-grade highway-rail crossings, coordinated signal operations, traffic signal preemption and transit signal priority
- Familiar with regional signal timing policies as well as local and national design standards
- Excellent problem solving, communication, and writing skills

2010—2011 Executive Committee

**President**

Greg MacKinnon
DRCOG
303-480-5633
gmackinnon@drcog.org

**Vice-President**

Chris Sheffer
Fehr & Peers
303-296-4300
c.sheffer@fehrandpeers.com

**Secretary/Treasurer**

John LaSala
City and County of Denver
720-913-4534
john.lasala@denvergov.org

**Past President**

Ben Waldman
Jacobs Engineering Group, Inc.
720-359-3007
ben.waldman@jacobs.com

**Technical Committee**

Nitin Deshpande
Jacobs
303-223-5889
nitin.deshpande@jacobs.com

**Scholarship and Career Guidance Committee**

Melissa Rosas
Apex Design, PC
303-339-0440
melissa.rosas@apexdesignpc.com

**Activities Committee**

Eric Boivin
All Traffic Data Services
303-216-2439
ericboivin@Alltrafficdata.net

**Website Committee**

Duane Cleere
AECOM USA, Inc.
303-325-8036
dcleere@centennialcolorado.com

Membership Committee

Trung Vo
City and County of Denver
720-913-0721
trung.vo@denvergov.org

**Awards Committee**

Dave Hattan
Felsburg, Holt & Ullevig
303-721-1440
dave.hattan@fhueng.com

**Continuing Education Committee**

Joe Henderson
Sustainable Traffic Solutions, Inc.
303-589-6875
trafficczar@live.com

**Golf Committee**

Jeff Ream
Felsburg, Holt & Ullevig
303-721-1440
jeff.ream@fhueng.com

**Section Scribe**

Kari McDowell
McDowell Engineering, LLC
303-949-4748
kari@mcdowelleng.com

**Vendor Show Coordinator**

Will Johnson
Short Elliott and Hendrickson, Inc.
720-540-6851
wjohnson@sehinc.com

**Activities Report Coordinator**

Sarah Karjala
DRCOG
303-480-6762
skarjala@drcog.org

**Legislative Committee**

Scott Thomas
Apex Design, PC
303-339-0440
scott.thomas@apexdesignpc.com

**Newsletter Editor**

Bart Przybyl
LSC Transportation Consultants, Inc.
303-333-1105
bartp@lscdenver.com

**Attachment 3:
Section Strategic Plan**

Colorado/Wyoming Section of ITE 2010 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.

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.

Colorado/Wyoming Section of ITE 2010 Strategic Plan

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.

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.

Colorado/Wyoming Section of ITE 2010 Strategic Plan

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.

Colorado/Wyoming Section of ITE 2010 Strategic Plan

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 4:
Section Charter**

Institute of Transportation Engineers

Colorado/Wyoming Section Charter

ARTICLE I - PREAMBLE

Section 1.1 - As authorized by the Constitution of the INSTITUTE OF TRANSPORTATION ENGINEERS, INC., hereinafter referred to as the Institute, Western District (District 6), hereinafter referred to as the District, as recorded in the minutes of the District Board meeting on June 27, 2010, and as approved by the Board of Direction of the Institute as recorded in the minutes of its meeting on <MEETING DATE>, grants this Charter for the Colorado/Wyoming Section of the Institute, hereinafter referred to as the Section.

Section 1.2 - This Charter shall be effective upon Institute approval and shall remain in effect, including any amendments, until rescinded by the District Board.

Section 1.3 - This Charter shall, on the date it becomes effective, supersede any previous charter or constitution of a Section enrolling members from the designated area and shall annul any Bylaws of such a Section which may be in conflict with it.

ARTICLE II - AREA AND PURPOSE

Section 2.1 - The area designated as that of this Section shall be the States of Colorado and Wyoming, or as the area shall be established from time to time by the District Board, or as the area shall be established from time to time as an outcome of amendments to the area designated as the District by the Board of Direction of the Institute, as described in the attachment(s) hereto.

Section 2.2 - To assist in advancing the purposes shown below, this Section shall be exclusively administered and operated to receive, administer, and expend funds for charitable and educational purposes within the meaning of Section 501(c)(3) of the Internal Revenue Code of 1986. The purpose of the Section shall be to:

- (1) advance the objectives of the Institute;
- (2) foster closer association of Institute members;
- (3) encourage members to prepare or discuss papers;
- (4) prepare suggestions on matters of policy to the Board of Direction of the Institute;
- (5) consider local transportation and traffic engineering problems;
- (6) cooperate with other local engineering groups on matters of common interest;
- (7) present the transportation and traffic engineering point of view consistent with established Institute policies; and,
- (8) encourage transportation and traffic engineering courses in colleges, universities, and technical schools in the Section.

Section 2.3 - Notwithstanding any other provisions of this Charter, the Section is organized exclusively for one or more of the purposes as specified in Section 501(c)(3) of the Internal Revenue Code of 1986, and shall not carry on any activities not permitted to be carried on by an organization exempt from Federal income tax under Internal Revenue Code 501(c)(3) or corresponding provisions of any subsequent Federal tax laws.

Section 2.4 - No part of the net earnings of this Section shall inure to the benefit of any member, trustee, director, officer of the organization, or any private individual (except reasonable compensation may be paid for services rendered to or for the organization), and no member, trustee, director, officer of the organization or any private individual shall be entitled to share in the distribution of any of the organization's assets on dissolution of the organization.

Section 2.5 - No substantial part of the activities of the Section shall be carrying on propaganda, or otherwise attempting to influence legislation [except as otherwise provided by Internal Revenue Code 501(h)] and it does not participate in, or intervene in (including publication or distribution of statements), any political campaign on behalf of any candidate for public office.

Section 2.6 - In the event of dissolution, all of the remaining assets and property of the Section shall, after payment of necessary expenses thereof, be distributed to such organizations as shall qualify under Section 501(c)(3) of the Internal Revenue Code of 1986.

Section 2.7 - In any taxable year in which the organization is a private foundation as described in Internal Revenue Code 509(a), the organization shall distribute its income for said period at such time and manner as not to subject it to tax under Internal Revenue Code 4942, and the organization shall not (a) engage in any act of self-dealing as defined in Internal Revenue Code 4941(d); (b) retain any excess business holdings as defined in Internal Revenue Code 4943(c); (c) make any investments in such manner as to subject the organization to tax under Internal Revenue Code 4944; or (d) make any taxable expenditures as defined in Internal Revenue Code 4945(d) or corresponding provisions of any subsequent Federal tax law.

ARTICLE III - MEMBERSHIP

Section 3.1 - Any Institute member who resides within the area designated for the Section, and who is in good standing with the District, may be a member of the Section.

Section 3.2 - Any Institute member may become a member of the Section, without residing in the Section area, upon approval of the Section Executive Board and upon payment of Section fees and dues.

Section 3.3 - The Section may adopt one or more types of Section affiliation for persons who are either:

- (1) not eligible to be voting members of the Institute but who are accumulating experience toward Institute membership;
- (2) in sub-professional work in transportation or traffic engineering;
- (3) students in a recognized engineering school;
- (4) professionally engaged in related fields;
- (5) in a position to work with and assist transportation or traffic engineers by virtue of official positions or commercial employment; or,
- (6) others whose participation would benefit the Section, upon approval of the Section Executive Board

Section 3.4 - All persons who are affiliated with the Section as provided in Section 3.3 shall be clearly identified as "Section Affiliates" and not as members of the Section. The Section Executive Board shall submit the names and addresses of all "Section Affiliates" to the Institute prior to February 1 of each year.

Section 3.5 - The Section Bylaws shall establish the manner in which persons may apply for or be invited into Section membership or affiliation as well as the manner in which such membership or affiliation may be terminated, but no restrictions on Section membership shall be placed on any voting member of the Institute other than those stated in Section 3.1 or 3.2.

Section 3.6 - Members of the Section shall be entitled to the privileges of the Section specified in the Section Bylaws. Student members of the Institute may not vote or hold elective office in the Section. Section Affiliates shall be entitled to the privileges of the Section and may vote and/or hold elective office in the Section as specifically provided in the Section Bylaws.

ARTICLE IV - GOVERNMENT

Section 4.1 - The government of the Section shall be vested in Elective Officers and Directors, who shall constitute an Executive Board. The Section Bylaws shall specify the Elective Officers and Directors of the Section provided that the Elective Officers shall include a president, at least one vice president, a secretary and a treasurer or a secretary-treasurer.

Section 4.2 - The Section Executive Board shall consist of the elective officers identified in Section 4.1. In addition, it is recommended that a Student Chapter Faculty Advisor(s) and a Student Chapter Professional Liaison(s) be appointed to serve as "ex-officio, non-voting" members of the Section Executive Board, for the purpose of coordination between Section activities and each Student Chapter.

Section 4.3 - The Executive Board of the Section shall manage the affairs of the Section in conformity with the provisions of this Charter, the Bylaws of the Section, the policies of the Institute, and the policies of the Board of Direction of the Institute.

Section 4.4 - The Section shall adopt Bylaws setting forth the structure of the Executive Board and providing the manner of nominating, electing, or appointing Elective Officers and Directors of the Section and specifying their terms of office.

Section 4.5 - The Section shall also adopt Bylaws to govern appointment of committees, number and times of meetings, assessment of fees and dues, method of amending Bylaws, and such other matters as the Section may desire, provided such Bylaws do not conflict with this Charter, the District Charter, the Constitution of the Institute, the policies of the Institute, or the policies of the Board of Direction of the Institute.

Section 4.6 - The Bylaws of the Section may be adopted, and amended after adoption, only if the proposition is submitted in writing to all voting members of the Section at least thirty (30) days in advance of the date on which action is proposed. Adoption and amendment shall require an affirmative two-thirds vote of those voting. Section Bylaws shall be filed with the District Board and the Institute within thirty (30) days after adoption or amendment and shall take effect upon being filed with the District Board.

Section 4.7 - At any time the District Board may annul any part of the Section Bylaws which it considers to be contrary to the Section Charter, the District Charter, the Constitution of the Institute or the best interests of the District or the Institute, by giving notice in writing to the Section Executive Board.

Section 4.8 - The Section Executive Board may charter Chapters to meet specific needs within its boundaries upon written request of at least five members of the Section residing in the proposed subsection area. Chapters shall adopt Bylaws that are consistent with the subsection Charter or the Section Charter. Chapter Bylaws shall be filed with the Section Executive Board, the District and the Institute within thirty (30) days of adoption or amendment and shall take effect upon being filed with the Section Executive Board. The Section Executive Board may rescind a Chapter Charter by giving notice in writing to the subsection.

ARTICLE V - RELATION OF SECTION TO DISTRICT AND INSTITUTE

Section 5.1 - The Section shall not speak for the District or the Institute unless authorized in the particular matter by the District Board or the Board of Direction of the Institute, respectively.

Section 5.2 - The Section shall not identify itself with national groups or organizations but may identify itself with local or area-wide groups or organizations.

Section 5.3 - Names and addresses of Elective Officers and Directors of the Section and the dates on which the term of each begins and expires shall be reported in writing by the Section Executive

Board to the District Board, to the District Director(s), and to the Institute within thirty (30) days after election or appointment.

Section 5.4 - The Section Executive Board shall submit a written annual report to the District Board prior to April 1 of each year. The report shall include a summary of the Section's activities for the previous calendar year.

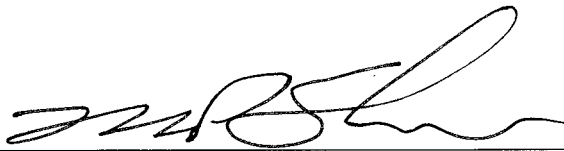
Section 5.5 - The District and the Institute will not be responsible for debts contracted by the Section. The Institute will not give financial assistance to the Section. The District shall remit to the Section that portion, specified in the District Bylaws, of the District dues and fees of resident Section members (as described in Section 3.1), collected by the Institute and remitted to the District. No dues or fees will be required to be paid by the Section to the Institute or the District.

ARTICLE VI - AMENDMENT OF CHARTER

Section 6.1 - The District Board may amend or rescind this Charter. The Section Executive Board will be notified in writing by the District Board of any proposed amendment to, or rescission of, this Charter so that the Section may have an opportunity for a hearing before the District Board concerning the proposed amendment or rescission. An amendment, with or without change, shall be submitted by the District Board to the Board of Direction of the Institute for approval. Rescission of the approved amendment shall become effective on the date determined by the District Board.

Section 6.2 - The Section Executive Board may petition the District Board to amend this Charter. The District Board shall meet and act on the petition within six (6) months of its receipt. If the petition is approved, the District Board shall then petition the Board of Direction of the Institute for approval of the proposed amendment. The Board of Direction of the Institute shall act on this petition in the same manner as provided for amending the District Charter. Amendments to the Section Charter initiated by petition from the Section Executive Board shall become effective upon approval by the Board of Direction of the Institute.

APPROVED BY THE WESTERN DISTRICT (DISTRICT 6)
BOARD OF DIRECTORS ON JUNE 27, 2010



ITE Western District (District 6) President

60-27-10
June 27, 2010