

JUNE 2007

GRANITE CHIPS

NEWSLETTER OF THE NH CHAPTER OF ITE

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WEB: WWW.NEITE.ORG/NH/



NHITE SPRING MEETING

(By Nick Sanders, P.E. – NHITE Vice President)

The New Hampshire Chapter held its spring meeting on March 27, 2007 at the Grappone Conference Center in Concord, New Hampshire. The technical session, "Safety Applications of Intelligent Transportation Systems (ITS) was presented by Butch Knowlton, P.E., NHDOT Director of Operations. The event drew approximately 25 attendees.

Butch and other engineers from various State DOTs and the FHWA recently took a tour of Japan Germany, and France to find existing ITS applications which could be effective in mitigating safety problems in the U.S. Of particular interest are those applications resulting in measured improvements in highway safety. The team focused on safety related ITS applications, identified new technologies, and assessed effectiveness of deployed technologies through performance measurements. Butch touched base on the following topics of interest:

1. Automated enforcement of speed limits and traffic signals
2. Infrastructure-based collision warning systems
3. Vehicle-based measures for accident avoidance
4. Identification and prioritization of safety problem areas
5. Selection of ITS over traditional counter-measures for safety problems
6. Weather mitigation systems

Please see *Spring Meeting* on page 4

INSIDE THIS ISSUE

NHITE Spring Meeting	1
NHITE Welcomes Santacruce	1
NHITE Pays Tribute to Lee	2
O'Leary Confirmed as New NHDOT Commissioner	2
President's Message	3
Dillon Steps Down as Airport Chief	5
Upcoming ITE Events	5
Employment Opportunities	5
Our Sponsors	7
NHITE Meeting Notice	8

NHITE WELCOMES SANTACRUCE

NHITE is pleased to announce that Jeff Santacruce, P.E. has been appointed to serve as the Chapter's Nominating Committee Chair. Jeff is currently employed by Greenman-Pedersen, Inc., (GPI) of Nashua, NH as a project manager, and has been with GPI for five years working as both a traffic and design engineer. Previously, Jeff worked for the NHDOT Highway Maintenance District Five office for five years. He is a registered Professional Engineer in NH and lives in Concord, NH. Welcome aboard, Jeff!



Butch Knowlton, NHDOT – NHITE Spring Meeting (3/27/07)

NHITE to Pay Tribute to Lee

NHITE is pleased to announce the establishment of the NHITE Robert M. Lee Past President's Award, named in honor of NHITE's first President. Bob was instrumental in forming the NH Chapter and served as President from the Chapter's inception in 1992 through 1995. In addition, NHITE is hoping to establish a scholarship in Bob's name that will be awarded to a civil engineering undergraduate student from New Hampshire that is attending an ABET accredited college in New England.

NHITE would like to establish an award of at least \$500 on an annual basis. This amount could be increased with sponsorship from various

individuals and firms that comprise our membership base. If established, it is anticipated that the first scholarship would be awarded for the Fall 2008 academic semester.

The Past President's award will be presented retroactively to all former NH Chapter Presidents, and will be presented to future Past Presidents, upon successful completion of their elected terms, for their contributions to the organization.

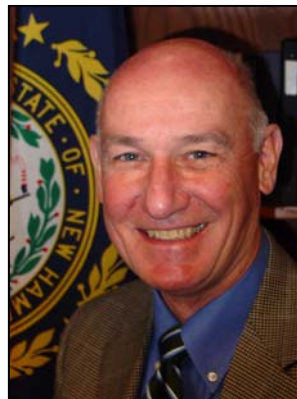
We are in the planning stages for a special Chapter meeting in July, at which the first awards will be presented. More details will be coming in the next few weeks. We hope to see as many attendees as possible for our tribute to Bob, and all of NHITE's Past Presidents.

O'Leary Confirmed as New NHDOT Commissioner

(By Bob Bollinger, P.E., PTOE - NHITE President)

Following his nomination by Governor John Lynch, the New Hampshire Executive Council formally confirmed Charles P. O'Leary as the NHDOT Commissioner on March 8, 2007. He was sworn in as the 11th NHDOT Commissioner on March 19, 2007. Commissioner O'Leary will serve the unexpired term (through December 3, 2007) of former Commissioner Carol Murray. O'Leary previously served as Commissioner from 1990-1996.

Commissioner Leary is a graduate of the United States Naval Academy in Annapolis, Maryland, and is a veteran of the nuclear submarine service. He holds a Masters Degree in Business Administration from the Amos Tuck School at Dartmouth College. Throughout an extensive business career, he has held Chief Executive Officer and Chief Operating Officer positions in various private and public manufacturing and materials technology



NHDOT Commissioner Charles P. O'Leary

companies. During his prior time as NHDOT Commissioner, O'Leary was also involved in transportation matters and issues at the regional and national levels. He served as President of the Northeast Association of Transportation Officials, Chairman of the AASHTO Standing Committee on Research, and as a member of the Transportation Research Board Executive Committee. Welcome back, Cincinnatus, I mean, Commissioner Leary.

President's Message

I love the smell of fresh pavement markings in the Spring; it smells like engineering. Hopefully, everyone's winter blues have gone by the wayside and everyone was able to walk away unscathed from the April floods.

It's hard to believe that half the year is gone already but things are just heating up as far as NHITE events are concerned. I look forward to seeing all of you at the Joint New England Section/NH Chapter/Maine Chapter meeting in York, ME on June 21. I have been coordinating with the Maine Chapter and, as it stands now, we will try to alternate the June meeting between locations in southern Maine and the seacoast region New Hampshire from year to year. Special thanks go out to Tom Errico, Maine Chapter Vice President, for taking the reigns on the logistics for the meeting in York this year.

I would like to extend a note of thanks to the current NHITE officers, Committee Chairs, and NHITE Past Presidents that offered their time and thoughts on ways that the NH Chapter could appropriately pay tribute to the Chapter's first President, Bob Lee. Special thanks go out to Kim Hazarvartian, who first floated the idea and agreed to serve as the liaison between the Chapter and Bob. As discussed earlier in this edition, a special meeting is being planned for July. I know that everyone's summer schedule can be a little hectic, but I certainly hope that all our Members and Past Presidents will be able to attend.

While NHITE officers and Committee Chairs are not paid for their efforts, there are some perks. On March 30, 2007, I, along with the Presidents of the other engineering societies in New Hampshire, had the privilege to join Sean



NH Engineering Society Presidents with Governor Lynch - From left to right: Robert E. Bollinger, Institute of Transportation Engineers; Peter W. Delano, American Society of Military Engineers; James V. Errico, American Council of Engineering Companies; George R. Fredette, NH Society of Professional Engineers Engineer Week Chair; Thomas Perkins, Institute of Electrical and Electronics Engineers; Governor John Lynch; Sean T. James, NH Society of Professional Engineers "Young Engineer of the Year"; Linda McNair-Perry, Structural Engineers of New Hampshire; Jim Spaulding, American Society of Civil Engineers; Roch D. LaRoche, NH Society of Professional Engineers.

James, NHSPE Young Engineer of the Year, at the statehouse in Concord for a meeting with Governor Lynch. Governor Lynch fielded a wide variety of questions ranging from the widening of I-93, to engineering education, to how current engineers can encourage students to pursue an engineering career.

With that being said, I hope that everyone has a great summer, and I look forward to receiving your input and seeing you at future Chapter events.

Respectfully Submitted,

Robert E. Bollinger, P.E., PTOE
President, NHITE

NHITE Spring Meeting

Continued from Page 1

7. Speed management and traffic calming
8. Pedestrian and bicycle safety
9. Navigation, traveler information and signage issues related to safety
10. Collection of safety-related data elements

The consensus from the team is that the European public, private, and academic sectors have a shared safety and ITS applications vision. With higher visibility at leadership levels, aggressive automated enforcement policies, and an E-Safety Initiative, the European community appears to be more dedicated to safety related ITS measures than the US.

A dozen recommendations were made by the Team:

1. Raise the awareness of driver “needs” among stakeholder groups
2. Using technology, advance education, insurance incentives and other means to promote greater speed compliance and management
3. Promote aggressive implementation of low-cost on-board processing devices to send, receive, and analyze data to improve safety
4. Promote driver assistance technology including adaptive cruise control, lane keeping, assisted braking, etc.
5. Promote testing and implementation of photo enforcement to curb aggressive driving
6. Promote the accelerated development and deployment of infrastructure systems that communicate with the vehicle
7. Promote further use of changeable/dynamic VMS (Use International standards)
8. Integrate, certify and maintain digital information for mapping (locations, speed limits, features, etc.)
9. Develop and deploy technology that provides “real time” information for accelerated response to incidents
10. Use operational data to plan for future improvements to infrastructure
11. Create a national highway safety program leadership initiative
12. Create a warehouse for standardizing, gathering, managing and analyzing before and after performance data on deployed ITS applications

At the conclusion of his presentation, Bob Bollinger, NH Chapter President, presented Butch with honorary “Granite Chips” as a token of the NH Chapter’s appreciation.

For more details or to view the entire slide show, go to the bottom of NHDOT Home web page under “What’s New.”

<http://www.nh.gov/dot/index.htm>

Upcoming ITE Events

Joint NE Section/NH Chapter/ME Chapter Meeting – June 21, 2007, York, Maine

ITE 2007 Annual Meeting & Exhibit – August 5–8, 2007 – Pittsburgh, Pennsylvania

More details and registration information can be found at the New England Section website: www.neite.org

Dillon Steps Down as Airport Chief

(By Bob Bollinger, P.E., PTOE – NHITE President)

In April 2007, Kevin A. Dillon resigned as Director of Manchester–Boston Regional Airport (MBRA) to accept the position of Deputy Executive Director for Operations at the Greater Orlando Aviation Authority, which manages the Orlando International Airport. Dillon, MBRA Director since 1999 is expected to begin his new duties in Orlando in June. Michael F. Farren, Assistant Airport Director for Administration & Finance has been named as interim Director until the search for a permanent replacement is completed.

During Dillon's tenure as Director, MBRA

experienced record growth in terms of expansion and passenger traffic. Notable improvements during Dillon's tenure included a 4,800 vehicle parking garage, an expansion of the main terminal, lengthened runways, an improved instrument landing system, and a pedestrian walkway. Passenger traffic doubled from approximately 1.9 million in 1998 to approximately 3.9 million in 2006.

Prior to serving in Manchester, Dillon served as Director of Aviation Operations at the Massachusetts Port Authority (MassPort), which oversees operations at Boston's Logan Airport, and Acting General Manager at LaGuardia International Airport in New York.

Employment Opportunities

Resource Systems Group

Director of Transportation Planning

This individual will lead RSG's transportation planning practice from the firm's Burlington, Vermont office. From this location, RSG serves local, regional and national clients. Responsibilities include managing existing client relationships, developing new clients and managing RSG staff members. We seek someone with the following qualifications:

- BS or MS in Civil Engineering, Regional Planning or a relevant field
- 10+ years of relevant transportation planning experience
- PE and/or AICP certification desired
- Excellent verbal and technical writing abilities
- Interest in managing existing and developing new client relationships
- Strong business development skills
- Solid skills in project management and public outreach for transportation planning projects

Resource Systems Group

Transportation Planning & Engineering Associate

This individual will work primarily with RSG's transportation engineering staff, conducting planning studies, traffic engineering analysis and micro simulation modeling. This work is conducted in support of local and regional governments and commercial clients. We seek someone with the following qualifications:

- BA or BS in engineering, economics or similarly quantitative field of study.
- Strong analytic and computer skills.
- Strong verbal and written communication skills.
- A desire to learn transportation modeling, transportation planning and traffic engineering approaches.

If interested, please email a resume & cover letter to:

Recruiting Director
 employment@rsginc.com
 Resource Systems Group, Inc
 55 Railroad Row
 White River Junction, VT 05001

NHITE Leadership for 2007

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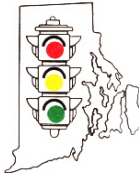
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ITE MEETING NOTICE

NEW ENGLAND SECTION/ NH CHAPTER/ ME CHAPTER

Date: Thursday, June 21, 2007

Location: **York Harbor Inn**
 Coastal Rte 1A
 York, Maine 03911
 Telephone: (207)-363-5119
 Directions: See website: www.yorkharborinn.com

Day Programs: **Transportation Impacts at Mixed Use Developments – 8:00AM – 2:00 PM (5 PDH’s)** Kevin Hooper, P.E., - Kevin Hooper Associates

Traditional Neighborhood Development – 2:30PM – 4:30PM (2 PDH’s)
 Rick Chellman, P.E. – TND Engineering

Evening Program: **MaineDOT Commissioner David Cole**

Schedule:	7:30 AM	Registration / Sign In
	8:00 AM - 11:30 AM	Kevin Hooper, P.E.
	11:30 AM - 12:30 PM	Lunch Buffet
	12:30 PM - 2:00 PM	Kevin Hooper, P.E. (cont.)
	(11:00 PM – 2:00PM)	ITE New England Section Board Meeting
	2:30 PM – 4:30PM	Rick Chellman
	4:30 PM - 5:30 PM	Social Hour
	5:30 PM - 6:15 PM	Dinner
	6:15 PM - 7:15 PM	Presentation followed by Q&A

Costs: Note: Please enter number attending in each box. Lunch and dinner will be served buffet-style.

Full Program with Lunch and Dinner	\$140.00	x	<input type="checkbox"/>	=	_____
Day Course Only w/ Lunch	\$100.00	x	<input type="checkbox"/>	=	_____
Evening and/or afternoon w/Dinner	\$40.00	x	<input type="checkbox"/>	=	_____
Total Cost:				=	_____

*Please notify us of any special diet requirements/ meal requests as soon as possible.

Reservations: Please mail, email, or fax reservations, by June 14, 2007, to:

Rob Kenerson	Telephone:	(207) 942-6389
BACTS	Fax:	(207) 942-3548
40 Harlow St.	E Mail:	rkenerson@emdc.org
Bangor, ME 04401		

Number Attending _____

Name _____

Organization _____

Address: _____

Telephone _____

Email _____

Reservations canceled after June 16 will be invoiced.