This has been another successful year at TTI - we should all be thankful and proud of our accomplishments! There are numerous accomplishments to note and we hope we’ve captured most all in the newsletter.

In recent end of year - 2005 news we saw the retirement announcement by TTI Director Herb Richardson, to be effective September 1, 2006, new TTI facilities were established in West Texas and the proposed new TTI Building at Research Park. Hope everyone has had a wonderful winter break and is back full swing. This newsletter is a combined Dec/Jan issue. With the postponement of our Annual TTI Day in December, we will pick up with TTI Award announcements and event highlights as well as TRB news in the February issue.

Happy New Year!

2006
TRB 85th Annual Meeting - 2006

The 85th Annual Transportation Research Board meeting will be held January 22-26, 2006 in Washington, D.C., at the Marriott Wardman Park, Hilton Washington, and Omni Shoreham Hotels. Visit the Annual Meeting website, www.TRB.org/meeting for all the latest information. TOG will be represented extensively at this year’s meeting. We congratulate everyone who will be making the trip and participating in the meetings.

A list of the remaining practice sessions for the paper and poster presentations are listed below.

January 6, 12:00 – 3:00, Room 103 Gilchrist (Houston and Dallas participating)

Paper Presentation
Benz  Quantification of High-Occupancy Vehicle (HOV) Lanes During Incident Conditions
Chaudhary  Development and Field Testing of a Platoon Identification and Accommodation System

Poster Review
Songchtiruksa  Assessing Weather, Environment, and Loop Data for Real-Time Freeway Incident Prediction
Songchtiruksa  Estimating Frequency of Right-Angle Collisions at Traffic Signals - A Practical Method

(Continued on page 6)

Professional Development

By Melisa Finley

On December 7-8, 2005, Melisa Finley attended the Management & Leadership for New Supervisors and Managers training offered by TEES. Here is her account of the course.

This workshop helps leaders understand the underlying factors behind employee motivation. The format is HIGHLY interactive. In fact, I think we did all the work, but that is what made this training so great! Instead of sitting around all day listening to one person tell you how to do things, everyone took part in insightful exercises designed to build leadership skills. (It had to be good to get me out of my warm house on a day we had off due to icy weather.)

In one of the first exercises we identified great leaders (current and past) and discussed their leadership qualities. Even though most of the individuals identified were legendary leaders, the qualities they possessed are qualities YOU and I have – we just need to use them!

One of the next exercises was a SELF profile. This exercise revealed four distinct social styles of interaction with others and was designed to identify your particular style, help you gain a better understanding of yourself and others, and improve your communication with others that have different styles. There is not enough room for me to go into more detail, but this one was an eye opener. It was amazing how I could immediately place coworkers into one of the four categories and realize how I could improve my relationships with those individuals based the insights gained from this exercise.

(Continued on page 4)
Recent Travels

Robert Brydia traveled to Austin on Oct. 28 for the kick-off meeting on project 0-5292, Using Operations-Oriented Performance Measures to Support Freeway Management Systems. Robert gave two presentations at the RMC 4 meeting in Corpus Christi during the November meetings. He traveled to Austin on 11/10 with Gene Hawkins for the 3rd year project kick-off meeting for 0-4701, Traffic Control Device Evaluation and Development Program”.

Christopher Poe recently attended the IBTTA Technology workshop in Arlington, Virginia. Two of the bigger issues on the program were the US DOT’s Vehicle Infrastructure Integration (VII) initiative and the new 5.9 GHz Dedicated Short Range Communication (DSRC) standard.

Russell Henk has been playing the role of Road Warrior, Jr. as of late (Ed Seymour being Road Warrior, Sr. of course). Russell’s travel in recent weeks has included Austin, College Station, Corpus Christi (twice), Dallas, El Paso (twice), Houston (twice), Laredo (twice) and Tyler.

Darrell Borchardt, Robert Benz, and Anthony Voigt, from the Houston Office - traveled to Corpus Christi for the RMC 4 Meetings in November.

(Continued on page 5)

TOG Family News

KUDOS

In November, Russell Henk was appointed to the Mayor’s Transportation Cabinet in El Paso.

At the November ITS Texas conference held in College Station, TX, Robert Brydia was elected to a 2-year term on the ITS Texas Board of Directors.

WELCOME

Adam Pike has accepted an offer to join the Signs & Pavement Markings Program. He started December 19. Adam has worked for Paul Carlson as a graduate student since September 2004.

CONGRATULATIONS

The Houston Office hosted a potluck Thanksgiving Dinner, on November 22. Russell Henk, Chris Poe, and Ed Seymour were able to join the Houston staff in this feast. It’s been years since the office staff got together for a “potluck”. All who attended had a good time!

TTI’s Teens in the Driver Seat project led by Russell Henk landed its first major corporate sponsor recently. A corporate donation from SBC (currently merging with and becoming AT&T) in the amount of $25,000 was received in November. Congratulations!

LuAnn Theiss (Houston Office) took this nice 13-point whitetail buck from the Theiss Ranch in Menard County, Texas. This barely 120-class deer field dressed at 108 pounds. While she was walking to where this deer laid, a 6-point cull buck trotted out of the woods and ended up in her freezer alongside this deer.
TOG Is Hiring

Word is spreading and TOG is hiring! New positions and offers pending are listed below. Please continue to share this information with your contacts. You can also forward potential names to the hiring supervisors so they can make personal contact. Applicants interested in applying for a position should go to https://tamujobs.tamu.edu/ choose "create an application" on the left side, and follow the instructions on the site to apply for the position. You can also view position details at this same site.

New Positions

<table>
<thead>
<tr>
<th>Program</th>
<th>Contact</th>
<th>NOV</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dallas Office</td>
<td>Jim Carvell</td>
<td>060310</td>
<td>Associate Research Engineer</td>
</tr>
<tr>
<td>El Paso Office</td>
<td>Russell Henk</td>
<td>060173</td>
<td>Research Scientist/Engineer</td>
</tr>
<tr>
<td>El Paso Office</td>
<td>Russell Henk</td>
<td>060171</td>
<td>Associate Research Scientist/Engineer</td>
</tr>
<tr>
<td>Houston Office</td>
<td>Tony Voigt</td>
<td>060444</td>
<td>Assistant Transportation Researcher</td>
</tr>
<tr>
<td>Houston Office</td>
<td>Mike Vickich</td>
<td>060218</td>
<td>Software Applications Developer III</td>
</tr>
<tr>
<td>San Antonio Office</td>
<td>Steve Venglar</td>
<td>060372</td>
<td>Assistant Transportation Researcher</td>
</tr>
<tr>
<td>Signs and Markings</td>
<td>Paul Carlson</td>
<td>060280</td>
<td>Assistant Transportation Researcher</td>
</tr>
<tr>
<td>Signs and Markings</td>
<td>Paul Carlson</td>
<td>060390</td>
<td>Associate Research Scientist/Engineer</td>
</tr>
<tr>
<td>Signs and Markings</td>
<td>Paul Carlson</td>
<td>060204</td>
<td>Assistant Research Scientist/Engineer</td>
</tr>
<tr>
<td>San Antonio Office</td>
<td>Steve Venglar</td>
<td>Pending</td>
<td>Assistant Research Scientist/Engineer</td>
</tr>
</tbody>
</table>

Offers Pending

<table>
<thead>
<tr>
<th>Program</th>
<th>Contact</th>
<th>NOV</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>El Paso Office</td>
<td>Russell Henk</td>
<td>060172</td>
<td>Research Scientist/Engineer</td>
</tr>
<tr>
<td>San Antonio Office</td>
<td>Cesar Quiroga</td>
<td>060354</td>
<td>Assistant Research Scientist/Engineer</td>
</tr>
<tr>
<td>San Antonio Office</td>
<td>Cesar Quiroga</td>
<td>060072</td>
<td>Software Applications Developer I</td>
</tr>
</tbody>
</table>

Position(s) on Hold

<table>
<thead>
<tr>
<th>Program</th>
<th>Contact</th>
<th>NOV</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Antonio Office</td>
<td>Cesar Quiroga</td>
<td>060071</td>
<td>Software Applications Developer II</td>
</tr>
</tbody>
</table>

Another skill we learned was how to speed read people. This skill lets you quickly identify whether a person is big chunk or small chunk (i.e., big picture or very detailed) and their modality (i.e., how they learn – visual, auditory, or kinesthetic).

We learned lots of other information and techniques, but I don’t want to give it all away.

I really enjoyed this training and would suggest it to anyone in a management or leadership position. I look forward to using the techniques I learned a work and at home – maybe even on you. Here’s to becoming a better leader!
Recent Travels - continued

(Continued from page 3)

November 11, Darrell Borchardt and Anthony Voigt were in Beaumont to meet with Beaumont District Engineer regarding possible Interagency Contract.

November 14, Darrell Borchardt, Charles Stevens, and Anthony Voigt traveled to Austin for 0-4813 project meeting.

November 15-16, Michael Vickich and Anthony Voigt traveled to El Paso for the El Paso website development meeting.

November 17-18, Darrell Borchardt traveled to College Station to attend ITS Texas.

November 30, Anthony Voigt traveled to Dallas for the Governor’s Task Force Meeting regarding hurricane evacuation.

New Projects

<table>
<thead>
<tr>
<th>Project</th>
<th>PI</th>
<th>Sponsor</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>401651</td>
<td>J. Carson</td>
<td>American Trade Initiatives, Inc.</td>
<td>Vehicle Size and Weight Scan Team</td>
</tr>
<tr>
<td>401631</td>
<td>B. Kuhn</td>
<td>American Trade Initiatives, Inc.</td>
<td>Planning for Congestion Management Scan Team</td>
</tr>
<tr>
<td>401601</td>
<td>P. Carlson</td>
<td>Degussa Corporation</td>
<td>Evaluation of the Appearance of the Pathfinder Pavement Marking</td>
</tr>
<tr>
<td>405150</td>
<td>P. Carlson</td>
<td>FHWA</td>
<td>Sign Management Tool Kit - Maintenance of Sign Retroreflectivity: A guide for Small Agencies</td>
</tr>
<tr>
<td>450846</td>
<td>S. Venglar</td>
<td>TxDOT</td>
<td>Improving Driving Awareness of Signals Beyond Vertical Curves</td>
</tr>
<tr>
<td>475720</td>
<td>E. Seymour</td>
<td>ITE</td>
<td>Update OET Training Manual/Task 40</td>
</tr>
<tr>
<td>475760</td>
<td>G. Thomas</td>
<td>Iteris, Inc.</td>
<td>Traffic Signal Design and Operation - NHI Course 133028</td>
</tr>
<tr>
<td>475730</td>
<td>P. Carlson</td>
<td>National Academy of Sciences</td>
<td>Minimum Retroreflectivity of Pavement Markings-Task Force Support Cost Estimate</td>
</tr>
<tr>
<td>475840</td>
<td>G. Thomas</td>
<td>PerformTech, Inc.</td>
<td>FHWA/NHI New Approaches to Hwy Safety Analysis (NHI Course 380075A) in Denver, CO</td>
</tr>
<tr>
<td>456646</td>
<td>D. Middleton</td>
<td>TxDOT</td>
<td>Development of a Statewide Traffic Monitoring Equipment Evaluation and Demonstration Facility</td>
</tr>
</tbody>
</table>
January 6, 12:00 – 3:00, Room 103 Gilchrist - continued

Poster Review

Sunkari Evaluation Procedures for Coordination Features in Traffic Signal Controllers Using Hardware-in-the-Loop Simulation

Brydia Interoperability Issues on Managed Lanes Facilities

Middleton Operational Aspects of Exclusive Truck Roadways

Stevens Evaluating the Long-term and Immediate Effects of Daylight Savings Time on Fatal and Non-Fatal Injury Crashes in Texas

January 9, 1:15 – 2:30, Room 217 CE/TTI (Dallas participating)

Poster Review

Burris Slugging in Houston: Casual Carpool Passenger Characteristics

Burris Potential Single-Occupancy Vehicle Demand for High-Occupancy Vehicle Lanes - Results from a Stated Preference Survey of Travelers in HOT Corridors

Zhang An Unscented Kalman Filter Method for Speed Estimation Using Single Loop Detector Data

Hawkins Rear-Facing School Speed Limit Beacons

Zimmerman In-Service Evaluation of the Detection-Control System for Isolated High-Speed Signalized Intersections

January 17, 12:00 – 2:00, Room 102 Gilchrist (San Antonio participating)

Paper Presentation

Pesti Variable Time Headway Criteria to Improve the Reliability of Speed Control System Evaluations

Quiroga Intelligent Transportation System Geodatabase Modeling

Henk Teens in the Driver Seat: Results of a Peer-to-Peer Pilot Project in Texas

Finley Motorist Comprehension of Traffic Control Devices for Mobile Operations

January 18, 12:00 – 1:30, Room 217 CE/TTI (Dallas and San Antonio participating)

Paper Presentation

Miles Evaluation of Erratic Maneuvers Associated with the Installation of Rumble Strips

Pratt Evaluation of the Operational Impacts of the Installation of Centerline and Edgeline Rumble Strips

Schrock Collecting and Analyzing Work Zone Crash Data: Challenges and Opportunities

Poe Technologies for Managed Lanes
### January 2006

<table>
<thead>
<tr>
<th>Sun</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
<th>Sat</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **1 January 2006:** Ed Seymour
- **4 January 2006:** Adam Chodkiewicz
- **17 January 2006:** Edward Brackin
- **18 January 2006:** Ravi Agrawal
- **19 January 2006:** Melissa Finley
- **19 January 2006:** Matthew Sneed
- **20 January 2006:** Michael Vickich
- **2 February 2006:** Liz Perez
- **4 February 2006:** Zhirui Ye
- **6 February 2006:** Michael Pratt
- **6 February 2006:** Stephanie Vanelli
- **9 February 2006:** Nadeem Chaudhary
- **9 February 2006:** Lisa Patke
- **12 February 2006:** Kathy Tran
- **15 February 2006:** Jerry Ullman
- **22 February 2006:** Nada Trout
- **23 February 2006:** Paul Adamson
- **25 February 2006:** Bria Whitmire
- **26 February 2006:** Bryan Miller
- **29 February 2006:** Khaled Hamad

### Belated Happy Birthday - Dec 2005

- **2 December 2005:** David Fenno
- **3 December 2005:** Jeremy Johnson
- **6 December 2005:** Kandi Salazar
- **7 December 2005:** Luis Garza
- **7 December 2005:** Debbie Jasek
- **12 December 2005:** Adam Pike
- **15 December 2005:** Cliff Franklin
- **15 December 2005:** Anthony Voigt
- **16 December 2005:** Jodi Carson
- **16 December 2005:** Dazhi Sun
- **26 December 2005:** LuAnn Theiss
- **29 December 2005:** Thomas Hartmann
- **30 December 2005:** Rebeca Corona
- **30 December 2005:** Todd Hausman

### Upcoming Events

- **TTI Day 2005 - Rescheduled:** January 10, 2005; Brazos Center
- **Martin Luther King, Jr. Day - January 16, 2006**
- **TRB 85th Annual Meeting:** January 22-26, 2006; Washington D.C.
- **ITS America 2006 Annual Meeting & Exposition:** May 7-9, 2006; Philadelphia PA

### TOG Mission Statement

To facilitate innovations in transportation system operations through leadership in research, education and technology transfer.