

TECHNOLOGY

eXchange



LTRC ANNOUNCES FREE EDUCATIONAL OPPORTUNITIES FOR TRANSPORTATION COMMUNITY

The Louisiana Transportation Research Center (LTRC) has announced that it will be offering three important educational opportunities for the transportation community of Louisiana. The center will provide seminars for SuperPave generalists, cone penetration testing, and changes to the *Manual on Uniform Traffic Control Devices (MUTCD)*. All three seminars are free and open to the transportation community. Professional development hours (PDHs) will also be awarded for each course completed.

SUPERPAVE TRAINING OPEN TO PUBLIC

LTRC has announced that it will be offering seminars for SuperPave generalists, one of the three courses on SuperPave the center is providing throughout the months of March and April. All the courses were developed by LTRC's Dr. Louay Mohammad.

The *SuperPave Generalist* seminars will be held in Baton Rouge on April 2, 2001, and in Alexandria on April 4. The generalist course is designed for engineers and supervisory technicians who need a basic understanding of SuperPave. The course teaches the fundamental concepts of

SuperPave technology, describes various testing methods, summarizes the data generated from these tests and relates this information to mix design, quality, and performance. The classes will emphasize Louisiana SuperPave and provide a discussion of DOTD's experience with SuperPave and case histories of projects in the state.

LTRC previously offered three sessions of the *SuperPave Mix Design* course, which was designed for technicians involved in the design, control, validation, or acceptance of SuperPave mixtures and provided detailed instruction on SuperPave mix design and analysis. Topics

covered by the class included an introduction to the behavior of asphalt mixtures, mixture volumetrics, SuperPave aggregate requirements and design aggregate structures, an overview of SuperPave binder specs, QC/QA, and quality level analysis. The class also provided hands-on training in the use of the gyratory compactor and gave each participant the chance to work through the calculations required for mix design.

LTRC has also offered numerous *SuperPave Refresher* classes, which included a review of volumetric definitions and analysis for mix design, QC/QA, a

review of quality level analysis, as well as hands-on training in aggregate testing and sample preparation using the gyratory compactor.

For a registration form for the *SuperPave Generalist* seminars, contact the LTRC Technology Transfer and Training Office at (225) 767-9139 or email alandry@dotd.state.la.us.

CONE PENETRATION TESTING SEMINAR

As part of its continuing technology transfer efforts, LTRC

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EDUCATIONAL OPPORTUNITIES, CONT. FROM PAGE 1

will present the *Cone Penetration Testing Technology Seminar*, to be held in Baton Rouge, on March 26 and 27, and in Alexandria, on March 28 and 29.

In an effort to use technology to provide more efficient, cost-effective designs, DOTD is moving toward implementation of cone penetration testing (CPT) to obtain design parameters.

The seminar will present the findings of two LTRC research studies, *Evaluation of Bearing Capacity of Piles from Cone Penetration Test and Investigation of the Applicability of Intrusion Technology to Estimate the Resilient Modulus of Subgrade Soil*, along with the plans of DOTD to implement CPT technology.

The course features onsite availability of the LTRC cone equipment and software demonstrations. CPT consultant representatives are also scheduled to be on hand.

The seminar was developed by LTRC Research Manager Mark Morvant, P.E.

For a registration form for the two-day seminar, contact the LTRC Technology Transfer and Training Office, 4101 Gourrier Avenue, Baton Rouge, Louisiana 70808. Phone: (225) 767-9139 email: alandry@dotd.state.la.us

SATELLITE BROADCAST ON MUTCD AVAILABLE THROUGHOUT STATE

The American Traffic Safety Services Association (ATSSA) has announced plans to hold a nationwide broadcast on March 20, 2001, that discusses changes and updates to the *Manual on Uniform Traffic Control Devices (MUTCD)*. The manual, scheduled for completion in December, contains standards for traffic control devices that regulate, warn, and guide motorists in all 50 states. Uniformity of traffic control devices is critical to optimize traffic performance and to help improve safety by reducing the number and severity of traffic crashes.

“Everyone in the roadway safety industry has worked hard over the last couple of years to provide input and ideas

into this new manual,” Roger Wentz, executive director of ATSSA, said. “Many of the new changes and updates are significant, and by releasing this information to communities around the country simultaneously, countless lives will be saved on the nation’s roadways beginning immediately.”

The current *MUTCD*, published in 1988, had several changes added in 1995 but, essentially, the 1988 version has remained the industry standard for over 12 years.

“Times have changed,” said Shelley Row, director of the Federal Highway Administration’s (FHWA) Office of Transportation Operations. “Congestion is a national issue, technology is pushing us in new directions. There are more work zones than ever before, and transportation professionals must respond to increasing demands. It’s time for a new manual,” she said.

Row handpicked a FHWA panel that will present the manual during the nationwide broadcast.

The panel, the actual drafters of the new manual, will present the manual’s changes and updates on television from Northern Virginia Community College, in Annandale, Virginia, on March 20. The two-and-one-half-hour broadcast begins at 11:00 a.m. EST. ATSSA, the host of the broadcast, is pre-registering downlink sites now across the country, via their website at www.atssa.com. Program viewers will also have the ability to immediately interact with the panel via toll-free telephone numbers on March 20, in-place specifically for the broadcast.

ATSSA has established a link at its website that explains the broadcast in greater detail. The link also features a nation-

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wide map detailing the locations of pre-registered downlink sites, including driving directions to those locations.

“Anyone with an interest in roadway safety must get involved in this broadcast,” said ATSSA President Dennis Sterndahl. **“Communication tools exist right now to make this new information available to virtually anyone, anywhere, with immediacy and accuracy.**

cy. Lives on our nation’s roadways will be saved right away as a result of this broadcast.”

Shortly after the broadcast, videotape copies of the program will be available through ATSSA, as well as both print and CD-ROM versions of the complete MUTCD.

Since 1969, ATSSA has represented companies and individuals in the traffic control and roadway safety industry.

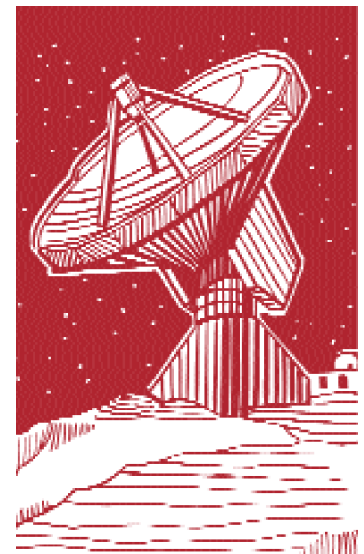
ATSSA’s 1,700 members provide the majority of traffic safety services and materials used on our nation’s roadways, such as guardrails, stripes, signs, lighting, drums, cones and barricades. ATSSA, headquartered in Fredericksburg, Virginia, also places heavy emphasis on work zone safety and training.

The Louisiana Transportation Research Center is making the satellite broadcast available to the public free of charge at the following venues across the state:

- Baton Rouge - LPB Studio, Perkins Road
- New Orleans - WLAE, Causeway Boulevard
- Monroe - University of Louisiana, Nursing Building Auditorium, University Avenue
- Alexandria - LSU - A, Caffey Annex

For more information on exact times and locations when the broadcast can be viewed, contact Chip Thompson, LTRC training and development specialist, at (225) 767-9143 or email chipthom@dotd.state.la.us.

A venue is also being provided, courtesy of the Calcasieu Parish Police Jury, at the Post Oak Pavilion, 2911 Post Oak Road, Sulphur, Louisiana. For more information about the Calcasieu venue, contact Al Prater or Dixie Fontenot at 1-800-542-7623 or (337) 437-3507. Registration forms should be mailed to the Calcasieu Parish Police Jury, P. O. Drawer 3287, Lake Charles, Louisiana 70602.



TECHNOLOGY *exchange*

NEWSLETTER STAFF

Sher Creel, Executive Editor
Sandy Fiser, Editor
Vicki Dischler, Designer
Renee Laborde, Editorial Assistant

PUBLICATION STATEMENT

Technology Exchange is published quarterly by the Louisiana Transportation Research Center. It is the newsletter of the Louisiana Local Technical Assistance Program.

Any findings, conclusions, or recommendations presented in this newsletter are those of the authors and do not necessarily reflect those of LSU, DOTD, or FHWA.

ARE YOU TAKING ADVANTAGE OF THE FREE SERVICES OFFERED BY LOUISIANA'S LOCAL TECHNICAL ASSISTANCE PROGRAM? DO YOU:

- ◊ Receive our newsletter, *Technology Exchange*?
- ◊ Utilize free publications and other technology transfer materials on request?
- ◊ Take advantage of free information/assistance on request?
- ◊ Attend training sessions?

If not, maybe YOU, as well as your agency, are missing out on a good deal!

During the calendar year 2000, the Louisiana LTAP Center gave 139 workshops on 26 different subjects and trained 3,736 local, state, and federal personnel. These workshops were offered as part of the Roads Scholar/Road Master Programs or as workshops requested by local or parish governments. Examples of workshops included:

- ◊ Drainage: The Key to Roads That Last
- ◊ Road Surface Management
- ◊ Basics of a Good Road
- ◊ Asphalt Roads: Common Maintenance Problems
- ◊ Seal Coats and Slurry Seals
- ◊ Grade Crossing Collision Investigation
- ◊ Work Zone Safety
- ◊ The Power of Positive Delegation
- ◊ Ethics for Engineers and Land Surveyors
- ◊ Soil Testing
- ◊ Public Works Construction Administration and Inspection

A grand total of 935 hours of training was presented to 3,587 attendees. The vast majority of attendees are local government (city and parish) employees.

ETHICS ONLINE

The Louisiana Professional Engineering and Land Surveying Board has made an ethics course available online through its website, located at <http://www.lapels.com>. The course fulfills the requirement for one professional development hour (PDH) of ethics

during each biennial licensure renewal period for each license.

In order to provide an ethics course for non-resident engineers, land surveyors, and others who cannot easily complete this requirement, the Board of Registration has provided a

course on their website. When visiting the website, click on the "Continuing Professional Development" link to access several files dealing with continuing professional development, one of which is titled "Professional Ethics."

Reading this course and completing the ten-question quiz fulfills the requirement for one PDH. The completed quiz must be maintained in your personnel records to show that you have fulfilled this requirement.

LTAP Announces New Road Master Program, Road Scholar Schedule

Road Master Number 5 and Road Master Number 6 are 1/2 day workshops which will be offered in April and May of 2001.

ROAD MASTER NUMBER 5

PUBLIC SPEAKING

Instructor: David Grouchy

The number one fear people have, even more than death or an IRS audit, is public speaking. It is essential that managers, supervisors and administrators be able to explain things clearly and succinctly to a variety of audiences including their bosses and their subordinates. This class will help you overcome nervousness, organize your thoughts, and speak well under pressure.

ROAD MASTER NUMBER 6

EFFECTIVE COMMUNICATION FOR MANAGERS

Instructor: David Grouchy

This class is designed to help the manager and supervisor diffuse conflicts, listen effectively, and run a more effective operation through better communication. Class members will have the chance to handle real life situations and learn from others in the class.

Road Master Number 7 is a full-day workshop which will be offered in October 2001.

ROAD MASTER NUMBER 7

DEALING WITH THE GOVERNMENT

Instructor: Joe T. Smith

GASB-34, 404 permits, Emergency Response, Hazardous Materials, Superfund Sites, OSHA, EPA, Corps of Engineers, DNR, DOTD, Wildlife and Fisheries. . . Many state and federal agencies have permitting and regulation authority as well as the authority to shut your project down for non-compliance. Learn how to unwind the red tape in these agencies and how to keep your work on track. Some even have money to spend on off-system bridges, enhancement programs, and safety. Find out how to find these programs and use them to accomplish your goals.

ROADS SCHOLAR SCHEDULE FOR 2001

RS #10 - Unpaved and Gravel Roads - Joe Smith

RS #11 - Geotextiles - Bernie Orgeron

Jefferson	March 20, 2001
Baton Rouge	March 21, 2001
Alexandria	March 27, 2001
Sulphur	March 28, 2001
Lafayette	March 29, 2001
Bossier City	April 3, 2001
Ruston	April 4, 2001

RS #5 - Safety: A Common Sense Approach for the Public Worker - David McFarland

RS #6 - Equipment Operation and Worker Safety - David McFarland

Jefferson	May 22, 2001
Baton Rouge	May 23, 2001
Alexandria	June 5, 2001
Sulphur	June 6, 2001
Lafayette	June 7, 2001
Bossier City	June 12, 2001
Ruston	June 13, 2001

RS #9 - The Road to Better Signing - Bob Canfield

Jefferson	September 11, 2001
Baton Rouge	September 12, 2001
Alexandria	September 18, 2001
Sulphur	September 19, 2001
Lafayette	September 20, 2001
Bossier City	September 25, 2001
Ruston	September 26, 2001

RS #13 - Bridge Maintenance and Safety Inspection - Joe T. Smith

Jefferson	November 6, 2001
Baton Rouge	November 7, 2001
Alexandria	November 13, 2001
Sulphur	November 14, 2001
Lafayette	November 15, 2001
Bossier City	November 27, 2001
Ruston	November 28, 2001

MAILING LIST UPDATE/ORDER FORM

Please use this form to update your mailing address, to request to be added to or deleted from the mailing list, or to order a publication/video.

- Please change my address, as indicated below.
- Please add this person to the mailing list.
- Please remove this person from the mailing list.

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Title: _____
Organization: _____
Address: _____
City/State/Zip: _____

I have the following suggestion(s) for newsletter articles:

The Louisiana Local Technical Assistance Program was established at the Louisiana Transportation Research Center on the LSU campus in 1986. The purpose of the center is to provide technical materials, information, and training to help local government agencies in Louisiana maintain and improve their roads and bridges in a cost-effective manner. To accomplish this purpose, we:

- publish a quarterly newsletter,
- conduct seminars, workshops, and mini-workshops covering various aspects of transportation,
- provide a lending library service of audio/visual programs on a variety of transportation topics,
- provide technical assistance through phone and mail-in requests relating to transportation technology,
- and undertake special projects of interest to municipalities in Louisiana.

NEED TECHNICAL HELP?.....CONTACT OUR LTAP CENTER STAFF:

David M. Grouchy..... Director
Joe T. Smith..... Teaching Associate
David McFarland..... Teaching Associate
Robert D. Breaux..... Office Manager

225-767-9117
800-256-1567 (in state)
225-767-9156 (fax)
LALTAP@ltrc.lsu.edu (e-mail)

LTAP TECHNOLOGY TRANSFER CENTER
Louisiana Transportation Research Center
4101 Gourrier Ave.
Baton Rouge, Louisiana 70808

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