

LTRC

Louisiana Transportation Research Center

LTRC

welcomes you to the

**Louisiana Asphalt Technology
Conference**

February 2005

Joe's Objectives

- Welcome
- Give context for this conference
- Provide TTEC status
- Recognize conference planners

LTRC

Created by
R.S. 48:105
in 1986



Cooperative research, technology transfer
and training center jointly administered by
LADOTD and LSU

Functions and Duties of LTRC

- To develop & conduct a nationally recognized research program in transportation systems
- **To offer educational & training programs**
- To develop & implement a technology transfer program
- **To establish cooperative relationships with universities, associations & agencies**
- To report & publish research findings

What is LTRC?

From DOTD's Perspective,
LTRC is a Division



From LSU's Perspective,
LTRC is a research institute in College of Engineering

LTRC's Role in LA Transportation Community

- Research & Development
- Education & Training
- Technology Transfer

**Louisiana
Transportation
Research
Center**

**How Does
This
Conference Help Fulfill
LTRC's Service Mission**

?

LTRC Customer Service

A need exists for

→ Smaller

→ More focused

Technical Conferences

2004

LA Transportation Engineering Conference

February 15-18, 2004

- Attendance – 1600+
- Public – private – academic participation



- 53 technical sessions
- 9 professional development sessions
- Local & national speakers

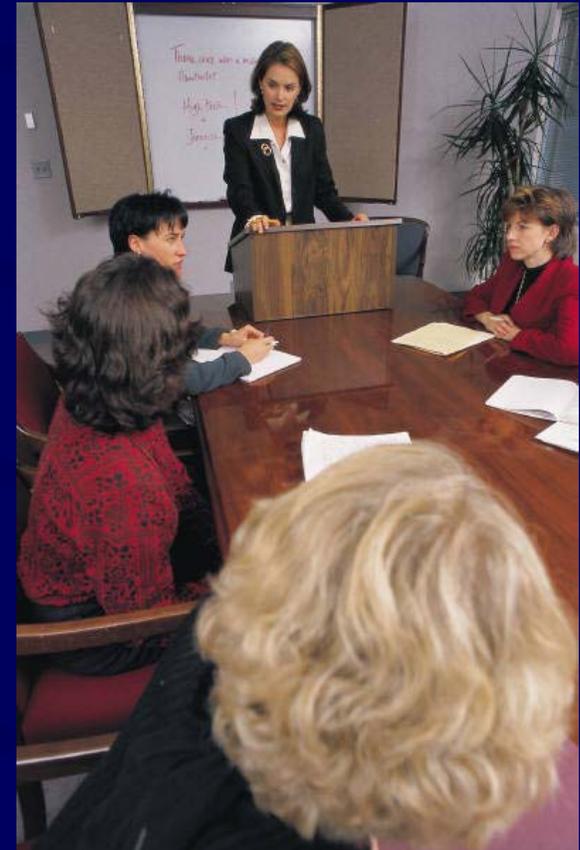
Other LTRC - T² Services

- Workshops
- NHI & Continuing Education Courses
- Technical Courses
- Management / Professional Development
- Structured Training
- Research Reports
- Newsletters

LTRC's Current Offerings

Fills gap

- LA Transportation Engineering Conference
- **Focused Smaller Conferences**
- Workshops
- NHI & Continuing Education Courses
- Technical Courses
- Management / Professional Development
- Structured Training
- Research Reports
- Newsletters



Technical Conference Parameters

Duration: 1 – 2 days

No-frills planning

Attendance: 100 – 200 max

Attract: DOTD / Contractor / Consultants / Suppliers / Local Govt.

Timing: Approx. 2 / yr; not within 6 mo of LTEC

Topics: Somewhat focused technical areas

Planning: Involve all industry partners

Offer: Professional Development Hours Credit



Objectives for Focused Technical Conferences

LTRC provides technical leadership through a forum which:

- Presents & demonstrates new technologies
- Implements / publicizes LTRC research
- Discusses / resolves problems
- Imports best practices of others
- Involves transportation community

How Does This Conference Meet Our Objectives?

Attendance

DOTD	139
Industry	<u>102</u>
	241

How Does This Conference Meet Our Objectives?

Agenda

- Present / demo technologies
 - Field trip to BR Traffic Mgmt Center
 - Demos of LTRC research equipment
- Implement /publicize LTRC research
 - Impact of ALF
 - Base aggregate interlayers
 - Sub-grade stabilization
 - Trench backfill

How Does This Conference Meet Our Objectives?

(contd)

- Import best practices of others
 - Pavement Design Guide (Washington)
 - Traffic in Design (Iowa)
 - Web-based Management System (Washington)
- Involve industry partners
 - Asphalt Institute
 - NCAT
 - ACPA
 - Ames Engineering
 - ERES Construction

How Does This Conference Meet Our Objectives? (*contd*)

- Offer PDH's
 - Document in Conference Program
- Discuss / resolve problems
 - Work zone traffic studies
 - Smoothness specifications
 - Tire / pavement noise
 - Reflection cracking

LTRC Provides Technical Leadership



You decide – evaluation to be e-mailed to attendees

Future Conference Topics

- Structures
- Quality Assurance Programs
- ???

Your Input is Required

Conference Program Committee

Mark Morvant, Chair	LTRC	Kirk Zeringue	DOTD
Mike Boudreaux	LTRC	Jay McCain	DOTD
Kevin Gaspard	LTRC	Kim Martindale	DOTD
Masood Rasoulian	LTRC	Charles Adams	DOTD
Marie Walsh	LTRC	Phil Arena	FHWA

Private Sector Input

Conference Planning & Arrangements

- Sandy Romero LTRC
- Mike Boudreaux LTRC
- Others

TTEC

An exciting
LTRC project



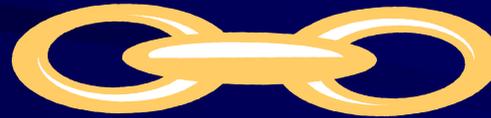
that benefits all
of you

An LTRC Partnering Initiative

LTRC Foundation, Inc.

Connecting

Government



Industry



Academia

What Is the LTRC Foundation?

- The Foundation is a nonprofit, 501(c)3 corporation formed to enhance and support LTRC
- LTRC is committed to establishing cooperation in the transportation community to improve transportation systems in Louisiana
- The Foundation represents a unique opportunity for government, industry, and academia to work together

LTRC Foundation Board of Directors

Current DOTD/LTRC Members

- **Bill Temple**
Chief Engineer, DOTD
- **Blaise Carriere**
Deputy Secretary, DOTD
- **Joe Baker**
Director, LTRC
- **Ken Perret**
Asst. Sec. Planning &
Programming, DOTD
- **Kirt Clement**
Associate Director, Tech
Transfer, LTRC
- **Harold “Skip” Paul**
Associate Director,
Research, LTRC

LTRC Foundation Board of Directors

Current University Members

- **Dr. Freddy Roberts**
Program Chair, C.E. Dept.,
LTU
- **Dr. Ernest Walker**
Dean of Engineering, SU
- **Dr. Robert N. Bruce, Jr.**
Prof. of Civil &
Environmental Eng. Dept.,
Tulane
- **Dr. Robert Wang**
Chair, C.E. Dept., ULL
- **Dr. J.O. Uppot**
Coordinator, C.E. Dept.,
McNeese
- **Dr. Kenneth McManis**
Chair, C.E. Dept., UNO
- **Dr. Mehmet Tumay**
Assoc. Dean of Research,
C.E. Dept., LSU

LTRC Foundation Board of Directors

Current Industry Members

Bobby Yeargain

Louisiana Asphalt Paving Association

Bobby Overall

Associated General Contractors

Craig Duos

Concrete and Aggregates Association of Louisiana

Three additional positions to be named later

First Goal of the Foundation

Construct a

Transportation **T**raining and **E**ducation **C**enter

for the entire community

TTEC

TTEC Philosophy

- **Training, education, & tech transfer are the keys to the effective progression of Louisiana to a position of leadership in transportation**

Vision

- LTRC will be the focus for transportation education, training, and technology transfer in LA and a leader in the nation. The proposed facility will provide a forum through which to channel the collective training and educational resources of the department, our state universities, and the private sector to enhance training and technology transfer opportunities.

Purpose

- To facilitate the delivery of transportation related professional development opportunities, continuing education, technology transfer and training for engineers, technicians, and related disciplines in both the public and private sectors

LTRC Training/Education Center

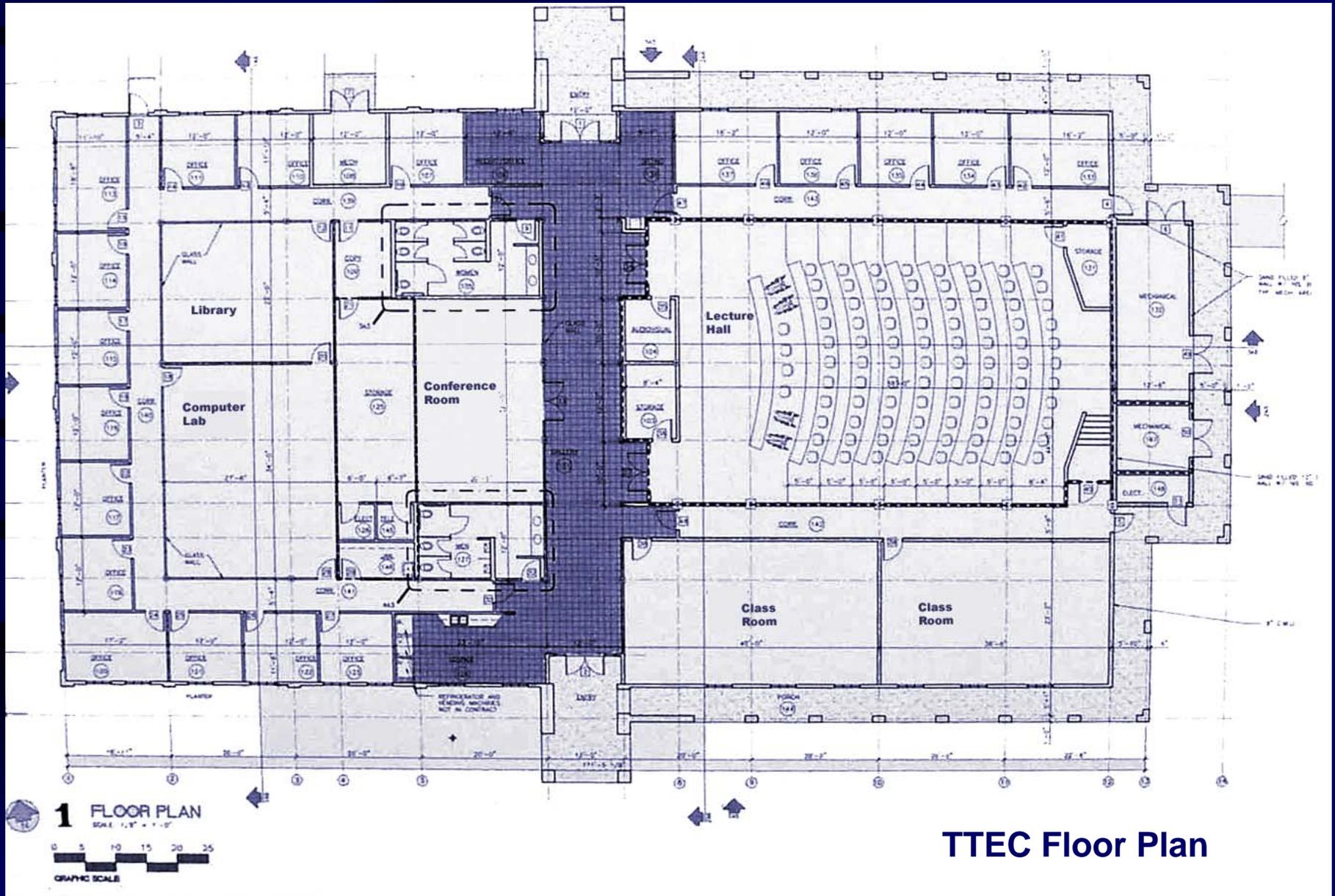
A 14,000 sq. ft. facility with:



- Distance learning / video conferencing with Districts / Universities
- 2 Classrooms, each with 40-student capacity

- Lecture facility for 100
- Computer classroom
- Transportation library
- Conference room
- Offices





TTEC Floor Plan

Benefits

- More efficient delivery of training
- Availability to a larger population
- Higher quality training
- Greater variety of courses available
- Synergism through partnership of DOTD, state universities, and private sector

Who will benefit?

- **Public and private sectors**
 - **Engineers**
 - **Surveyors**
 - **Technicians**
 - **Consultants/contractors**
 - **Other transportation professionals**

What will be offered?

- **Engineering continuing education**
- **Technician training**
- **Job skills training**
- **Demonstration projects**

Who Will Teach in TTEC?

- LTRC/DOTD staff
- University professors
- Training Consultants
- Industry association representatives
- Vendors / suppliers / contractors / consultants

You ??????

TTEC Funding Status

Total Estimated Cost	\$ 3,400,000
DOTD Contribution:	\$ 1,360,000
LSU Contribution	
GOB	\$ 1,458,000
Land	--
LTRC Foundation Contribution	\$ 82,000
Foundation Needs to Raise to Equip Facility	\$ 500,000



Status of LTRC Transportation Training and Education Center (TTEC)

A Public / Private / Academic Partnership

Construction Cost: \$ 2.425 M

Construction began August 16, 2004;

To be completed in 365 calendar days

Located adjacent to current LTRC building on LSU campus







9-30-04

LTRC

TTEC Needs

\$ 500,000 Equipment



Why Should Our Private Sector Partners Contribute?

- Your own personnel will benefit
- Our industry will be more progressive and informed
- You want to “give something back” to the industry that supports you
- You have a sense of civic duty
- You need a tax deduction
- Your instinct is to “partner”
- LTRC needs the help

TTEC



Private Sector Partners

We Need Your Financial Support

N O W !

LTRC
World Wide Web Home Page

<http://www.ltrc.lsu.edu>

The logo features the letters 'LTRC' in a stylized, overlapping font. The 'L' is white with a red outline. The 'T' is red with a white outline. The 'R' is white with a red outline. The 'C' is red with a white outline. Below the letters are three horizontal lines: a top white line, a middle red line, and a bottom white line. The text 'Let's get started...' is written in white, with the first three dots being larger than the others. Below this text is the full name of the center in a smaller, italicized white font.

LTRC Let's get started...
Louisiana Transportation Research Center

Housekeeping

Lunch sponsored by LAPA, Davison Petroleum, Ergon Asphalt and Emulsions, Lion Oil Company and Koch materials.

Optional Tour of LTRC Mobile Asphalt Laboratory

10.5 PDHs – Documentation Sheet

Badge Holder Recycling

Thank You

