Overview of Louisiana Transportation Research Center

Presented to
LTRC Peer Exchange Team
May 2008
LTTRC

Created by
R.S. 48:105
in 1986

Cooperative research, technology transfer
and training center jointly administered
by
LADOTD and LSU
LTRC’s Mission

Effectively merge the resources of DOTD/LTRC and universities to provide transportation related research, education and training in a manner that:

- Addresses DOTD problems/needs
- Addresses transportation industry problems/needs
- Supports local government
- Advances transportation technology
- Benefits Louisiana's universities
- Provides optimal return on taxpayers' dollars
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
Policy Committee

Advises LTRC and makes recommendations concerning research and technology transfer programs, fiscal-year budgets, and reviews activities and progress of the center.
LTRC Policy Committee

- DOTD - secretary appoints 3 members
- Universities - one member from each with civil department
  - LSU
  - USL
  - Southern
  - LTU
  - LTU
  - UNO
  - Tulane
  - McNeese
- LTRC director
- FHWA - invited observers
# LTRC Staff

<table>
<thead>
<tr>
<th></th>
<th>Director</th>
<th>R &amp; D</th>
<th>Training</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOTD Personnel</td>
<td>2</td>
<td>27</td>
<td>15</td>
<td>44</td>
</tr>
<tr>
<td>LSU Personnel</td>
<td>1</td>
<td>18</td>
<td>12</td>
<td>31</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>3</td>
<td>45</td>
<td>27</td>
<td>75</td>
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</tbody>
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- Full-time classified employees of department
- Faculty and staff of university
- Graduate and undergraduate students not shown
LTRC 07-08 Budget
($1000's)

- Salaries: $3,247
- Operating Services: $2,554
- Training Costs: $503
- Research Contract: $11,391
- Supply: $29
- Travel: $1
- Equipment: $2,132

Total Budget: $12,870 k
WORK PROGRAM FUNDING

- Federal SP&R Part II (Internal research program)
- State funding (External University contracts)
- Federal (IBRC, Corp of Engineers, etc)
- Federal STP (Technology Transfer, Workforce Development)
- Self Generated (NCHRP, Private)
- Other funding (non LTRC budgeted)
LTRC *Support for Higher Education*

- Research opportunities for faculty
- Theses, dissertations for grad students
- Education/training opportunities for faculty
- Student worker program (LSU)
- Co-op program (7 universities)
- Senior CE project support program
- Teaching by LTRC research & adjunct professors
- TIRE Program
LTRC Training / Education Role

- Engineering continuing education
  - PDH requirements by board of registration
  - Transportation related topics
  - Conferences, seminars, workshops
- Job skills training for technicians
  - Construction
  - Design
  - Maintenance
- Management / professional development programs
  - CPTP
  - Management topics
  - Construction project management
  - TQM
  - Strategic planning
LTRC Training and Education Role

- **Major customers**
  - 4800 DOTD personnel
  - Consultants
  - Contractors
  - Local government personnel

- **Major resources**
  - LTRC tech transfer/training staff
  - Technology transfer center
  - National highway institute
  - Universities
  - Consultants
  - LTRC research staff
Technology Transfer Center (LTAP)

- One of 51 T² centers in USA
- Cooperative effort of DOTD, FHWA, and LSU
- Goal is to help improve local transportation agencies by providing:
  - Training
  - Technical materials
  - Assistance and information
LTRC Foundation, Inc.

Connecting Government, Industry, and Academia

Louisiana Transportation Research Center
What Is the LTRC Foundation?

- The Foundation is a nonprofit 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.
Functions of the Foundation

- Can solicit and accept donations of funds and equipment to enhance and support LTRC
- Permits LTRC to partner with other transportation interests / customers in providing services
- Permits LTRC to purchase liability insurance necessary to receive research grants
Board of Directors

- LTRC - Director, Assoc. Director for Research and Assoc. Director for Technology Transfer
- DOTD - Deputy Secretary, Chief Engineer, Assistant Secretary, Planning & Programming
- ACADEMIA - Civil Engineering Dept. Heads representing LSU, LTU, UNO, USL, Tulane, Southern and McNeese
- INDUSTRY - 6 positions to be named
What Are the Goals of the Foundation?

- Constructing an education and training facility for the transportation community
- Enhancing the research/equipment capabilities of LTRC
- Endowing LTRC research professorships