

LTPP: Looking to the Future

Southeast Pavement Management
and Design Conference

Nashville, TN

June 25, 2002

Current Activities

Data Collection

- Distress
 - Reflection Cracking
 - New Distress Identification Manual
 - Manual Georgia Faultmeter
- FWD
 - Calibration Centers
- Profile
- Weather Stations
- Seasonal Monitoring
- MATERIALS
- TRAFFIC
- GPR
 - FCC
- Drainage
 - Edge Drain Inspection

Materials Testing

- Missing 48% of the materials test.
- New LTPP Materials testing contract.
- LTPP Testing
 - Resilient Modulus Testing.
 - Coefficient of Thermal Expansion.
- Material ETG developing plan.

Traffic Data

- Need five years of continuous WIM data on SPS projects.
- Traffic Pool Fund Study.
- Various ways to participate in study.
 - Install bending plate.
 - Evaluation of existing site.
 - Data collection by LTPP contractors.
- Contact Larry Wiser @ 202-493-3079.

Maintaining Test Sections

- Less than 2000 active test section.
- Rehabilitation test sections needed.
- SPS to GPS.
- States Assistance.
 - Notify LTPP when maintenance/rehab planned.
 - Traffic Control.
 - Material testing.

Data Analysis

- New contract on street.
- Data analysis strategic plan.
 - Data analysis ETG.
 - Placemat.
 - Table cloth.

Products

- DataPave 3.0
- FWD temperature correction
- Resilient Modulus for Unbound Materials
- SMP CD's
- New Distress Identification Manual(03)

What Lies Ahead for LTPP

- TEA -21 Expires in 2003
- AASHTO Leadership to Include LTPP in Re-authorization Position
- 2009 Nominal Close of LTPP Data Collection
- LTPP Committee Advisor to FHWA and AASHTO

Past LTPP Authorizations

- 1987 – 1992
 - SHRP - \$10 million per Year
- 1992 – 1998
 - ISTEA - \$14.5 million per Year
- 1998 – 2001
 - TEA-21 - \$9 million per Year
 - NCHRP - \$4.4 Million per Year
- 2001-2003
 - TEA-21 - \$9 million per year
 - RABA - \$4.4 million per year

Committee Consensus: 2004 to 2009 Critical to Success

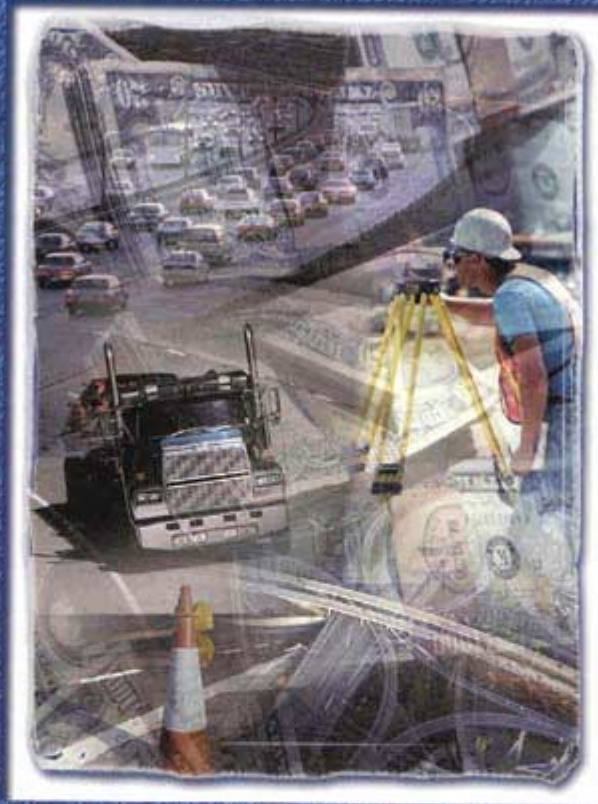
- Continue Data Collection
 - Fill Gaps and Recover Lost Ground
- Increase Analysis
 - Adhere to Strategic Plan
- Step up Product Development
 - Required by TEA-21
 - Product Development Plan in Place
- “20 Years” Means 20 Years

Critical Gaps

- SPS Traffic Data Collection
 - Goal: 5 Years of Quality Data
- SPS Materials Data
 - Goal: Full Suites for Each Test Section
- Performance Data
 - Goal: Restoration of Optimum Schedule

Next Legislation FY 2004 – 2009

- The FY 2004 – 2009 is the most critical period for LTPP
 - Performance data is critical at the end of section life
 - Yield the ultimate results
 - Final Database
- We need support
 - ASSHTO
 - FHWA
 - Industry



***An Investment Benefiting
America's Highways:
The Long Term Pavement
Performance Program***

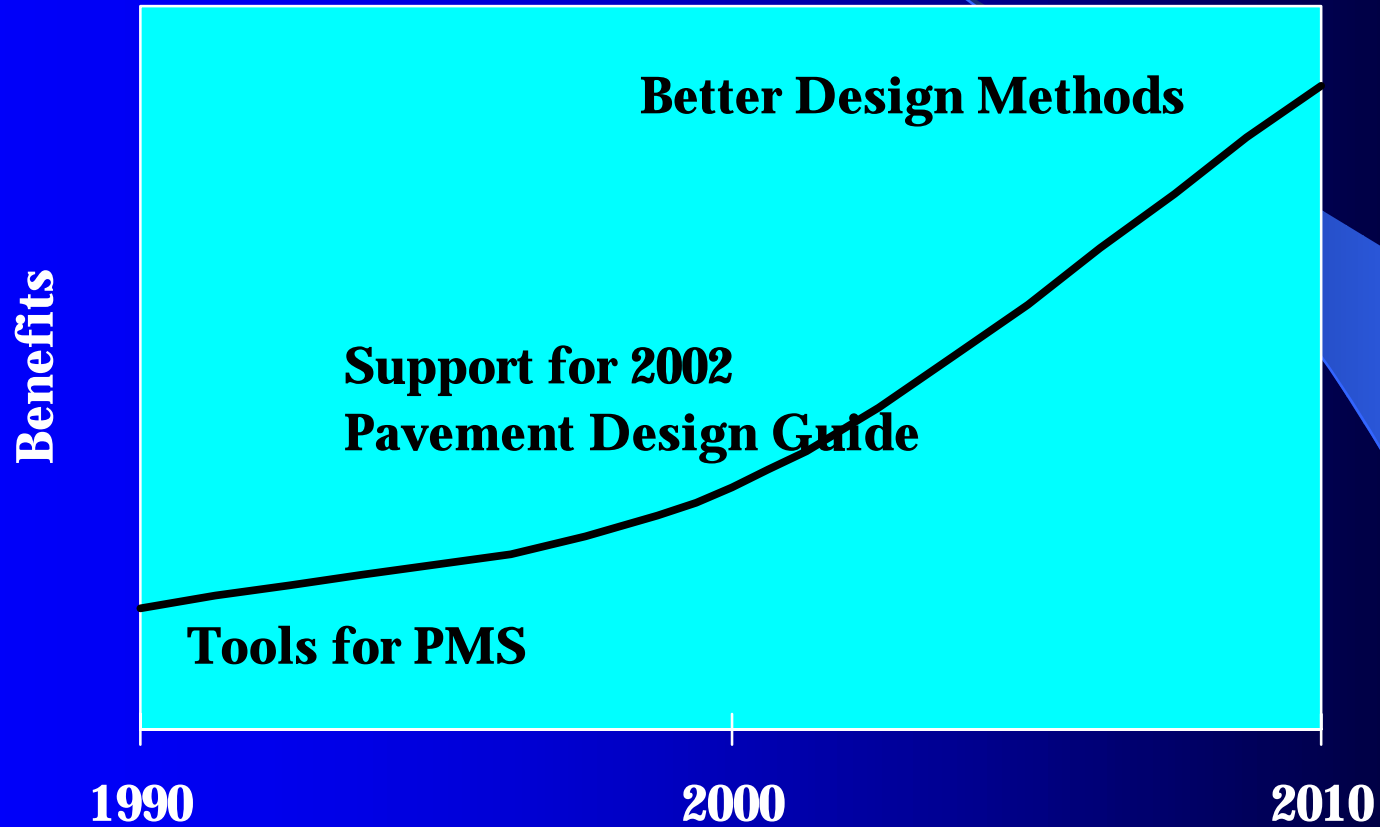
LTPP Benefits

- What's the value of this research?
 - “LTPP is a major contributor toward assuring that we will have good pavements into the 21st century.” *Francis B. Francois,*
- What is the current investment in LTPP
 - 1987 to 2001 \$187 M.
- What have we gotten out of our investment?

What have we gotten out of our investment?

- Some examples:
 - LTPPBind
 - 1998 Rigid Pavement Design Procedures
 - 2002 Design Guide
 - LTPP Database

Completion of LTPP



Thank You

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[http://www.tfhrc.gov/pavement
/ltp/ltp.htm](http://www.tfhrc.gov/pavement/ltp/ltp.htm)