Overview of TxDOT and Federal Research Projects

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TxDOT Research Program

- $20 Million Annual Program
- Contract with state supported universities
- 5 Research Management Committees
- The Research Program Cycle
The Research Program Book

Research and Technology Implementation

0-5446 Guidelines for Signs and Markings on Toll Roads

- Evaluate current toll road signing practices
- Conduct driver comprehension research of proposed sign designs and sign sequences (pavement markings will also be studied)
- Guidelines and a field book will be developed
0-5470 Comprehensive Guide to Traffic Control Near Schools

- Guidelines for the use of school zone traffic control devices
- Recommendations on the use of school zone speed limits

0-5629 Best TxDOT Practices for Signal Timing and Detection Design at Intersections

- Assess the current state-of-the-practice for traffic signal operations in Texas
- Develop a Manual of Traffic Engineering Procedures for Signals that will promote consistency
- Develop workshop materials
0-5772 Developing Comprehensive Roadway Delineation Guidelines

- Examine the combined effects of lane striping, pavement marking symbols, raised pavement markers, post mounted delineators, chevrons, advisory speed plaques, and curve warning signs
- Nighttime performance on horizontal curves
- Focus is on rural highways

Project Summary Reports
Transportation Research Board (TRB)

- National Cooperative Highway Research Program
- 3-79 Measuring and Predicting the Performance of Automobile Traffic on Urban Streets
- 3-80 Traffic Enforcement Strategies for Work Zones
- Transit Cooperative Research Program
- http://gulliver.trb.org/

Federal Highway Administration

- Turner-Fairbank Highway Research Center
- Safety and Operations Related Research (plus much more)
Helpful Websites and Phone Numbers

- [http://www.dot.state.tx.us/services](http://www.dot.state.tx.us/services)
  Click on Research and Technology Implementation
- [http://library.ctr.utexas.edu/index.htm](http://library.ctr.utexas.edu/index.htm)

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