

# Library eNews

## Technology Transfer Program

## KENTUCKY TRANSPORTATION CENTER

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*Technology Transfer Program Library.*

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November - December  
2011

### **USEFUL WEBSITES AND ELECTRONIC RESOURCES:**

- DOT FHWA Hydraulics Engineering:  
<http://www.fhwa.dot.gov/engineering/hydraulics/index.cfm>
- DOT FHWA Safety: Rumble Strips and Stripes:  
[http://safety.fhwa.dot.gov/roadway\\_dept/pavement/rumble\\_strips/](http://safety.fhwa.dot.gov/roadway_dept/pavement/rumble_strips/)
- EPA Green Infrastructure:  
<http://water.epa.gov/infrastructure/greeninfrastructure/index.cfm>
- KTC Technology Transfer Program Library services, online video catalog, and information: <http://www.kyt2.com/library>
- KTC Research Reports: For electronic versions of KTC research reports, see: <http://www.ktc.uky.edu/repsearch.html>

### **NEW MATERIALS:**

#### **Aviation:**

TL725.A1A4 no.26

Current Airport Inspection Practices Regarding FOD (Foreign Object  
Debris/Damage)

Transportation Research Board; 2011

TL725.A1A3 no.53

Handbook for Addressing Water Resource Issues Affecting Airport Development  
Planning

Transportation Research Board; 2011



Kentucky Transportation Center

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Contact the Library to borrow these and other materials: 800-432-0719  
Laura Whayne, Librarian, 859-257-2155, [lwhayne@engr.uky.edu](mailto:lwhayne@engr.uky.edu)  
Victoria Brock, Library Technician, 859-257-8267, [vbrock@engr.uky.edu](mailto:vbrock@engr.uky.edu)

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TL725.A1A4 no.24

Strategies and Financing Opportunities for Airport Environmental Programs  
Transportation Research Board; 2011

**Energy**

TE7.S6 no.305

Structural Integrity of Offshore Wind Turbines: Oversight of Design, Fabrication,  
and Installation

Transportation Research Board; 2011

**Environment:**

KRR-KTC-10-20

Sustainable Practices and Related Performance Measures at State Highway Agencies  
University of Kentucky: Kentucky Transportation Center; 2011

**Freight**

TA1001.5.N3 no.6

Impacts of Public Policy on the Freight Transportation System

Transportation Research Board; 2011

**Intelligent Transportation Systems:**

KRR-KTC-10-21

Local Evaluation for the Cumberland Gap Tunnel Regional ITS Deployment

University of Kentucky: Kentucky Transportation Center; 2011

TE228.3.P76 1998

Proceedings: Carnahan Vision Forum. January 7-8, 1998, Lexington, Kentucky

University of Kentucky: Kentucky Transportation Center; 1998

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**Maintenance:**

SHRP2-R26-RR-2

Guidelines for the Preservation of High-Traffic-Volume Roadways  
Transportation Research Board; 2011

TE7.H5 no.2220

Maintenance and Preservation of Structures and Equipment  
Transportation Research Board; 2011

**Materials:**

KRR-KTC-10-10

Effects of Chloride Contamination on Coatings Performance  
University of Kentucky: Kentucky Transportation Center; 2010

TE7.N25 no.675

LRFD Metal Loss and Service-Life Strength Production Factors for Metal-Reinforced Systems  
Transportation Research Board; 2011

**Pavements:**

TE278.D47 1988

Design of Heavy Industrial Concrete Pavements  
American Concrete Pavement Assn.; 1988

KRR-KTC-10-05

Factors Affecting Asphalt Pavement Density and the Effect on Long Term Pavement Performance  
University of Kentucky: Kentucky Transportation Center; 2010

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KRR-KTC-11-02

Pavement Evaluation of the Concrete Tie-bars and Dowel Baskets on the  
Springfield Bypass, KY 55 Washington County, KY  
University of Kentucky: Kentucky Transportation Center; 2011

**Research:**

HE192.5.K46 2011

Subpart B-Research, Development, and Technology Transfer Program Manage-  
ment  
Kentucky Transportation Center; DOT FHWA;  
Kentucky Transportation Cabinet; 2011

**Roads:**

TE220.H37 2007

16th Annual Report on the Performance of State Highway Systems (1984-2005)  
Reason Foundation; 2007

REF TE175.A54 2011

Policy on Geometric Design of Highways and Streets  
AASHTO; 2011

**Safety:**

KRR-KTC-11-13

2011 Safety Belt Usage Survey in Kentucky  
University of Kentucky: Kentucky Transportation Center; 2011

KRR-KTC-11-15

Analysis of Traffic Crash Data in Kentucky (2006-2010)  
University of Kentucky: Kentucky Transportation Center; 2011

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KRR-KTC-11-04

Causes and Countermeasures Related to Motorcycle Crashes  
University of Kentucky: Kentucky Transportation Center; 2011

SHRP2-S05-RR-1

Design of the In-Vehicle Driving Behavior and Crash Risk Study: In Support of  
the SHRP2 Naturalistic Driving Study  
Transportation Research Board; 2011

FHWA-SA-11-048

HSM Implementation Guide for Managers  
AASHTO; DOT FHWA; 2011

FHWA-SA-11-08

Intersection Safety: A Manual for Local Rural Road Owners  
DOT FHWA; 2011

FHWA-HOP-11-033

Primer on Work Zone Safety and Mobility Performance Measurement  
DOT FHWA; 2011

TE228.W67 2011

Work Zone Safety Performance Measures Guidance Booklet  
American Traffic Safety Services Assn.; DOT FHWA; 2011

**Structures:**

FHWA-HIF-11-042

Bridge Preservation Guide: Maintaining a State of Good Repair Using Cost Effective Investment Strategies  
DOT FHWA; 2011

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TE7.N25 no.700

Comparison of AASHTO Bridge Load Rating Methods  
Transportation Research Board; 2011

KRR-KTC-11-01

Implementation of Remote Sensing Technology on the I-64 Bridge over US 60  
University of Kentucky: Kentucky Transportation Center; 2011

KRR-KTC-10-11

Non-destructive Testing of Defective ASTM A514 Steel on the I-275 Combs-  
Hehl Twin Bridges over the Ohio River in Campbell County, KY  
University of Kentucky: Kentucky Transportation Center; 2010

**Technology:**

TE7.H5 no.2215

Information Systems, Geographic Information Systems, and Advanced Com-  
puting 2011  
Transportation Research Board; 2011

**Traffic Engineering:**

SHRP2-L10-RR-1

Feasibility of Using In-Vehicle Video Data to Explore How to Modify Driver  
Behavior That Transportation Research Board; 2011  
Causes Nonrecurring Congestion

SHRP2-L01-RR-2

Guide to Integrating Business Processes to Improve Travel Time Reliability  
Transportation Research Board; 2011

TE7.S9 no.420

Operational and Institutional Agreements That Facilitate Regional Traffic Signal  
Operations  
Transportation Research Board; 2011

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TE7.H5 no.2223

Operational Effects of Geometrics and Access Management 2011  
Transportation Research Board; 2011

**Transportation:**

TE7.S9 no.414

Effective Delivery of Small-Scale Federal-Aid Projects  
Transportation Research Board; 2011

TE192.R47 2011

Report to the AASHTO Board of Directors from The AASHTO Standing Committee on Research on the FY 2012 Program for the National Cooperative Highway Research Program  
AASHTO; 2011

REF HE202.5.S73 2010

State Transportation Statistics 2010  
Transportation Research Board; 2011

HE203.T73 2003

Strategic Performance Measures for State Departments of Transportation: A Handbook for CEO's and Executives  
AASHTO; 2003

**Trucking:**

TE7.S96 no.19

Effects of Psychoactive Chemicals on Commercial Driver Health and Performance: Stimulants, Hypnotics, Nutritional, and Other Supplements  
Transportation Research Board; 2011