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## Technology Transfer Program

## KENTUCKY TRANSPORTATION CENTER

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*Technology Transfer Program Library.*

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March - April  
2013

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

- Byways of Kentucky: <http://byways.org/explore/states/KY>
- DOT FHWA Sustainable Highways Initiative and INVEST Tool:  
<http://www.sustainablehighways.dot.gov/>
- Kentucky Modes of Transportation:  
<http://transportation.ky.gov/Pages/Modes-of-Transportation.aspx>
- 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/publications/reports/>

### **NEW MATERIALS:**

#### **Administration:**

Internet: [http://www.ktc.uky.edu/files/2012/12/KY-Dept-of-Vehicle-Regulation-Internet-app-studyKTC\\_12\\_06\\_SPR\\_413\\_10\\_1F.pdf](http://www.ktc.uky.edu/files/2012/12/KY-Dept-of-Vehicle-Regulation-Internet-app-studyKTC_12_06_SPR_413_10_1F.pdf)

Kentucky Department of Vehicle Regulation Internet Applications Study. KTC-12-06.  
Kentucky Transportation Center, University of Kentucky; 2012

#### **Aviation:**

HE9797.5.U5A3 2012

ACRP Annual Report of Progress 2012

Transportation Research Board; 2012



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

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TL725.A1A3 no.76

Addressing Uncertainty about Future Airport Activity Levels in Airport Decision Making

Transportation Research Board; 2012

TL725.A1A3 no.78

Airport Ground Support Equipment (GSE): Emission Reduction Strategies, Inventory, and Tutorial

Transportation Research Board; 2012

TL725.A1A3 no.83

Assessing Opportunities for Alternative Fuel Distribution Programs

Transportation Research Board; 2013

TL725.A1A3 no.79

Evaluating Airfield Capacity

Transportation Research Board; 2012

TL725.A1A4 no.38

Expediting Aircraft Recovery at Airports

Transportation Research Board; 2012

TL725.A1A3 no.77

Guidebook for Developing General Aviation Airport Business Plans

Transportation Research Board; 2012

TL725.A1A3 no.80

Guidebook for Incorporating Sustainability into Traditional Airport Projects

Transportation Research Board; 2012

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TL725.A1A3 no.82

Preparing Peak Period and Operational Profiles – Guidebook  
Transportation Research Board; 2013

TL725.A1A3 no.81

Winter Design Storm Factor Determination for Airports  
Transportation Research Board; 2012

**Construction:**

FHWA-HOP-12-005

Work Zone Road User Costs: Concepts and Applications  
DOT FHWA; 2011

**Design:**

Internet: [http://www.ktc.uky.edu/files/2012/12/KTC\\_12\\_04\\_SPR\\_380\\_09\\_1F-Improving-Intersecttion-Design.pdf](http://www.ktc.uky.edu/files/2012/12/KTC_12_04_SPR_380_09_1F-Improving-Intersecttion-Design.pdf)

Improving Intersection Design Practices. KTC-12-04  
Kentucky Transportation Center, University of Kentucky; 2012

TE7.S9 no.443

Practical Highway Design Solutions  
Transportation Research Board; 2013

Internet: [http://www.ktc.uky.edu/files/2012/11/KTC\\_12\\_17\\_FRT\\_190\\_11\\_1I\\_-Constructability-Concepts.pdf](http://www.ktc.uky.edu/files/2012/11/KTC_12_17_FRT_190_11_1I_-Constructability-Concepts.pdf)

Tools for Applying Constructability Concepts to Project Development (Design)  
– Interim Report. KTC-12-17

Kentucky Transportation Center, University of Kentucky; 2012

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**Environment:**

TE7.N25 no.741

Evaluation of Methodologies for Visual Impact Assessments

Transportation Research Board; 2013

**Freight:**

TA1001.5.H3 no.10

Feasibility Study for Highway Hazardous Materials Bulk Package Accident Performance Data Collection

Transportation Research Board; 2013

SHRP2-C20-RR-1

Freight Demand Modeling and Data Improvement

Transportation Research Board; 2013

REF HE630.03G7 2012

Great Lakes and Ohio River Navigation Systems Statistical Supplement 2012

U.S. Army Corps of Engineers Great Lakes and Ohio River Division; 2012

TA1001.5.N3 no.20

Guidebook for Assessing Evolving International Container Chassis Supply Models

Transportation Research Board; 2012

TA1001.5.N3 no.21

Handbook on Applying Environmental Benchmarking in Freight Transportation

Transportation Research Board; 2012

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REF HE199.K4K46 2013

Kentucky Freight March 2013

DOT, Kentucky Transportation Cabinet; 2013

TE7.N25 no.750

Scenario Planning for Freight Transportation Infrastructure Investment. Volume 1  
Transportation Research Board; 2013

TA1001.5.H3 no.11

Technical Assessment of Dry Ice Limits on Aircraft  
Transportation Research Board; 2013

**Management:**

CLRP-05-8

Effective Communication Skills for Highway and Public Works Officials  
Cornell Local Roads Program; New York LTAP Center

TE7.S9 no.439

Use of Transportation Asset Management Principles in State Highway Agencies  
Transportation Research Board; 2013

**Materials:**

TA1001.5.H3 no.9

Compendium of Best Practices and Lessons Learned for Improving Local Community Recovery from Disastrous Hazardous Materials Transportation Incidents  
Transportation Research Board; 2012

AV-CD447

Corrosion of Reinforcing Steel in Concrete-Future Direction: Proceedings of the Hope & Schupack Corrosion Symposium  
American Concrete Institute; 2013

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SHRP2-R06B-RR-1

Evaluating Applications of Field Spectroscopy Devices to Fingerprint Commonly Used Construction Materials

Transportation Research Board; 2013

TE7.N25 no.743

Predicting the Initial Retroreflectivity of Pavement Markings from Glass Bead Quality

Transportation Research Board; 2013

**Pavements:**

TE7.H5 no.2304

Pavement Management 2012 Volume 1

Transportation Research Board; 2012

TE7.H5 no.2306

Pavement Management 2012 Volume 3

Transportation Research Board; 2012

SHRP2-R06C-RR-1

Using Infrared and High-Speed Ground-Penetrating Radar for Uniformity Measurements on New HMA Layers

Transportation Research Board; 2013

**Planning:**

AV-CD446

Kentucky Transportation Center Planning and Systems Analysis (PSA) Program Publications 2000-2010

Kentucky Transportation Center, University of Kentucky; 2010

TE7.H5 no.2307

Planning 2012

Transportation Research Board; 2012

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**Railroads:**

Internet: [http://www.ktc.uky.edu/files/2012/06/KTC\\_12\\_02\\_FR\\_136\\_04\\_6F.pdf](http://www.ktc.uky.edu/files/2012/06/KTC_12_02_FR_136_04_6F.pdf)

Railroad Subgrade Support and Performance Indicators: A Review of Available Laboratory and In-Situ Testing Methods. KTC-12-02  
Kentucky Transportation Center, University of Kentucky; 2012

**Roads:**

TA1145.S9 2012

Summary of Progress 2012

Transportation Research Board; 2012

**Safety:**

Internet: [http://www.ktc.uky.edu/files/2012/09/KTC\\_12\\_12\\_KSP4\\_11\\_1F-Driver-Attitudes.pdf](http://www.ktc.uky.edu/files/2012/09/KTC_12_12_KSP4_11_1F-Driver-Attitudes.pdf)

2012 Driver Attitudes and Awareness Survey. KTC-12-12  
Kentucky Transportation Center, University of Kentucky; 2012

Internet: [http://www.ktc.uky.edu/files/2012/09/KTC\\_12\\_10\\_KSP1\\_11\\_1F-Safety-Belt-Usage.pdf](http://www.ktc.uky.edu/files/2012/09/KTC_12_10_KSP1_11_1F-Safety-Belt-Usage.pdf)

2012 Safety Belt Usage Survey in Kentucky. KTC-12-10  
Kentucky Transportation Center, University of Kentucky; 2012

Internet: [http://www.ktc.uky.edu/files/2012/09/Analysis-of-Traffic-Crash-Data-2007\\_2011-Final.pdf](http://www.ktc.uky.edu/files/2012/09/Analysis-of-Traffic-Crash-Data-2007_2011-Final.pdf)

Analysis of Traffic Crash Data in Kentucky (2007-2011). KTC-12-13  
Kentucky Transportation Center, University of Kentucky; 2012

AV-VD094

Defeating Distracted Driving

Arizona Trucking Assn.; Arizona Dept. of Public Safety; 2011

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AV-CD443

Developing Safety Plans: A Manual for Local Rural Road Owners  
DOT FHWA; 2012

Internet: [http://www.ktc.uky.edu/files/2012/09/KTC\\_12\\_11\\_KSP1\\_11\\_2F-Safety-Belt-Methodology.pdf](http://www.ktc.uky.edu/files/2012/09/KTC_12_11_KSP1_11_2F-Safety-Belt-Methodology.pdf)

Kentucky Safety Belt Methodology. KTC-12-11

Kentucky Transportation Center, University of Kentucky; 2012

FHWA-SA-12-026

Non-Motorized User Safety: A Manual for Local Rural Road Owners  
DOT FHWA; 2012

AV-CD442

Roadway Safety + : A Road Construction Industry Training Program  
DOT FHWA

TE7.H5 no.2318

Safety Management, Emergency Management Systems, Operator Education,  
School Transportation, and Older Drivers 2012

Transportation Research Board; 2012

AV-VD093

Teens & Trucks: Share the Road

Arizona Trucking Assn.; Arizona Dept. of Public Safety; 2010

**Structures:**

Internet: [http://www.ktc.uky.edu/files/2012/11/KTC\\_12\\_09\\_FRT\\_125\\_03\\_1F-Aluminum-Bridge-Decks.pdf](http://www.ktc.uky.edu/files/2012/11/KTC_12_09_FRT_125_03_1F-Aluminum-Bridge-Decks.pdf)

Development and Deployment of Aluminum Bridge Decks. KTC-12-09

Kentucky Transportation Center, University of Kentucky; 2012



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TG315.L43 2012

Guide for In-Place Treatment of Wood in Historic Covered and Modern Bridges

U.S. Dept. of Agriculture Forest Service

DOT FHWA; 2012

TE7.S9 no.441

High Performance Concrete Specifications and Practices for Bridges

Transportation Research Board; 2013

TE7.N25 no.733

High-Performance/High-Strength Lightweight Concrete for Bridge Girders and Decks

Transportation Research Board; 2013

SHRP2-R04-RR-2

Innovative Bridge Designs for Rapid Renewal: ABC Toolkit

Transportation Research Board; 2013

SHRP2-R06A-RR-1

Nondestructive Testing to Identify Concrete Bridge Deck Deterioration

Transportation Research Board; 2013

TE7.H5 no.2313

Structures 2012

Transportation Research Board; 2012

Internet: [http://www.ktc.uky.edu/files/2012/12/KTC\\_12\\_14\\_SPR\\_448\\_11\\_1F-Temporary-Flood-Barrier.pdf](http://www.ktc.uky.edu/files/2012/12/KTC_12_14_SPR_448_11_1F-Temporary-Flood-Barrier.pdf)

Temporary Flood Barriers. KTC-12-14

Kentucky Transportation Center, University of Kentucky; 2012

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**Traffic Engineering:**

FHWA-HOP-12-046

Best Practices for Road Weather Management

DOT FHWA

FHWA-SA-12-027

Speed Management: A Manual for Local Rural Road Owners

DOT FHWA; 2012

TE7.H5 no.2316

Traffic Flow Theory and Characteristics 2012: Driver Behavior; Pedestrian and Simulation Modeling Volume 2

Transportation Research Board; 2012

TE7.H5 no.2315

Traffic Flow Theory and Characteristics 2012 Volume 1

Transportation Research Board; 2012

**Transit:**

HE308.T73 2012

Annual Report of Progress 2012

Transportation Research Board; 2012

TE7.H5 no.2319

Demand Management and Carsharing 2012

Transportation Research Board; 2012

HE202.5.T73 no.158

Improving ADA Paratransit Demand Estimation: Regional Modeling

Transportation Research Board; 2012

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HE202.5.S968 no.108

Integrating Passenger Ferry Service with Mass Transit  
Transportation Research Board; 2013

HE202.5.T73 no.161

Methods for Forecasting Demand and Quantifying Need for Rural Passenger Transportation: Final Workbook  
Transportation Research Board; 2013

HE202.5.T73 no.160

Paratransit Emergency Preparedness and Operations Handbook  
Transportation Research Board; 2013

HE202.5.T73 no.159

Transforming Public Transportation Institutional and Business Models  
Transportation Research Board; 2012

AV-CD444

Transit Labor 13(c) Employee Protection Digest  
Transportation Research Board; 2012

HE202.5 T73 no.95-1

Traveler Response to Transportation System Changes, Chapter 1 – Introduction  
Transportation Research Board; 2013  
Transportation Research Board; 2012

**Transportation:**

AV-CD445

92nd Annual Meeting Compendium of Papers  
Transportation Research Board; 2013

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SHRP2-L03-RR-1

Analytical Procedures for Determining the Impacts of Reliability Mitigation Strategies

Transportation Research Board; 2013

TE7.H5 no.2317

Developing Countries 2012

Transportation Research Board; 2012

Internet: [http://www.ktc.uky.edu/files/2013/03/KTC\\_12\\_19\\_TA\\_12\\_1F.pdf](http://www.ktc.uky.edu/files/2013/03/KTC_12_19_TA_12_1F.pdf)

Development of Performance Measures and Revenue Projections for State Highway Transportation Systems. KTC-12-19

Kentucky Transportation Center, University of Kentucky; 2012

TE7.H5 no.2297

Finance, Pricing, Economics, and Equity Issues

Transportation Research Board; 2012

FHWA-HIF-12-035

Risk-Based Transportation Asset Management: Evaluating Threats, Capitalizing on Opportunities

DOT FHWA; 2012

HE203.K66 2011

States' Support of Non-Highway Modes of Transportation: Investigation and Synthesis

Kentuckians for Better Transportation; 2011

REF TE12.A4 2012

Transportation Design & Construction Leadership Directory & Buyers' Guide 2013

ARTBA; 2012

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**Travel:**

TE7.H5 no.2322

Travel Behavior 2012 Volume 1

Transportation Research Board; 2012

TE7.H5 no.2323

Travel Behavior 2012 Volume 2

Transportation Research Board; 2012

TE7.H5 no.2302

Travel Demand Forecasting 2012 Volume 1

Transportation Research Board; 2012

**Work Zones:**

AV-VD095

Flagging Fundamentals: 6 Steps to Safety

ARTBA; 2012

TE228.R6 2011

Guidelines on Managing Speeds in Work Zones

DOT FHWA; 2011

TE228.R63 2011

Guidelines on Payment for Temporary Traffic Control

DOT FHWA; 2011

TE228.R633 2011

Guidelines on Use of Law Enforcement in Work Zones

DOT FHWA; 2011