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Technology Transfer Program

**KENTUCKY  
TRANSPORTATION CENTER**

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Technology Transfer Program Library.  
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March - April  
2010

## USEFUL WEBSITES & ELECTRONIC RESOURCES:

- Crash Modification Factors Clearinghouse:  
<http://www.cmfclearinghouse.org/index.cfm>
- Distracted Driving (Official U.S. Government website):  
<http://distraction.gov/>
- Study of Rural Transportation Issues (US DOT & USDA):  
<http://www.ams.usda.gov/AMSV1.0/RuralTransportationStudy>
- Transportation Planning Capacity Building Program:  
<http://www.planning.dot.gov/default.asp>
- KTC Technology Transfer Program Library services, online video catalog, and information: <http://www.kyt2.com/library.htm>
- KTC Research Reports: For electronic versions of recent KTC research reports, see:  
[http://www.ktc.uky.edu/Reports%20Published%20Recently\\_Section.htm](http://www.ktc.uky.edu/Reports%20Published%20Recently_Section.htm)



**www.kyt2.com**

Kentucky Transportation Center, Technology Transfer Program - Library E-News, March - April 2010



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## New Materials

### Aviation:

TL725.A1A3 no. 28

Marketing Guidebook for Small Airports

2010

[http://onlinepubs.trb.org/onlinepubs/acrp/acrp\\_rpt\\_028.pdf](http://onlinepubs.trb.org/onlinepubs/acrp/acrp_rpt_028.pdf)

### Construction

TE7.S9 no.402

Construction Manager-at-Risk Project Delivery for Highway Programs

2010

[http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp\\_syn\\_402.pdf](http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_syn_402.pdf)

### Environmental:

TE145.T43 no.51

Asian Longhorned Beetle (Tech Notes)

2008

[http://baystateroads.eot.state.ma.us/technotes/51\\_longhorn.pdf](http://baystateroads.eot.state.ma.us/technotes/51_longhorn.pdf)

AV-V1033

Dangerous Travelers: Controlling Invasive Plants along America's Roadways

TE7.S6 no.298

Driving and the Built Environment: The Effects of Compact Development on Motorized Travel, Energy Use, and CO2 Emissions

2009

<http://onlinepubs.trb.org/Onlinepubs/sr/sr298.pdf>



TE7.S6 no.299

Transportation Research Program for Mitigating and Adapting to Climate Change and Conserving Energy

2009

<http://onlinepubs.trb.org/onlinepubs/sr/sr299.pdf>

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Geotechnology:

TA710.3.K4M3 1995

Statewide Landslide Inventory

1995



FHWA-NHI-08-106

Stream Instability, Bridge Scour, and Countermeasures: A Field Guide for Bridge Inspectors

2009

Government:

JK1021.S55 2007

Congress for Dummies

2007



Maintenance:

FHWA-SA-09-025

Maintenance of Signs and Sign Supports: A Guide for Local Highway and Street Maintenance Personnel

2010

[http://safety.fhwa.dot.gov/local\\_rural/training/fhward0000/fhward0000.pdf](http://safety.fhwa.dot.gov/local_rural/training/fhward0000/fhward0000.pdf)

Materials:

TE7.H5 no.2127

Bituminous Materials and Mixtures 2009 Volume 2

2009

IHRB-TR-581

Development of an Improved Agricultural-Based Deicing Product

2010

[http://www.intrans.iastate.edu/reports/Ag\\_Deicer\\_report.pdf](http://www.intrans.iastate.edu/reports/Ag_Deicer_report.pdf)

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TP936.5.W45 2009

Failure Analysis of Paints and Coatings. Revised Edition

2009

TE275.R43 2010

Recommended Performance Guidelines for Emulsified Asphalt Slurry Seal

2010

TE275.R4 2010

Recommended Performance Guidelines for Micro Surfacing

2010

Pavements:

TE278.8.C73 2010

Concrete Bridge Approach Pavements: A Survey of State Practices

2010

<http://on.dot.wi.gov/wisdotresearch/database/tsrs/tsrconcretebridgeapproaches.pdf>

TE7.N25 no.583

Effects of Subsurface Drainage on Pavement Performance: Analysis of the SPS-1 and SPS-2 Field Sections

2007

[http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp\\_rpt\\_583.pdf](http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_583.pdf)

KRR-KTC-10-03

Pavement Settlement Issues and Hydro-Geochemical Water Testing Results for the Cumberland Gap Tunnel

2010

[http://www.ktc.uky.edu/Reports/KTC\\_10\\_03\\_KH58\\_07\\_1F.pdf](http://www.ktc.uky.edu/Reports/KTC_10_03_KH58_07_1F.pdf)



AV-CD388

Reference Library: Long-Term Pavement Performance

2010

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Planning:

FHWA-PD-96-036

Community Impact Assessment: A Quick Reference for Transportation  
1996

[http://www.ciatrans.net/CIA\\_Quick\\_Reference/Purpose.html](http://www.ciatrans.net/CIA_Quick_Reference/Purpose.html)

HT175.I24 2010

Restructuring the Commercial Strip: A Practical Guide for Planning the Revitalization  
of Deteriorating Strip Corridors

2010

[http://www.epa.gov/smartgrowth/pdf/2010\\_0318\\_wa\\_328\\_corridor\\_manual.pdf](http://www.epa.gov/smartgrowth/pdf/2010_0318_wa_328_corridor_manual.pdf)

Roads:

HE355.H58 2007

Highway Revolution, 1895-1925: How the United States Got Out of the Mud  
2007

FHWA-IF-99-007

Manual for Abandoned Underground Mine Inventory and Risk Assessment  
1999

<http://isddc.dot.gov/OLPFiles/FHWA/009250.pdf>

SHRP2-C02-RR

Performance Measurement Framework for Highway Capacity Decision Making  
2009

[http://onlinepubs.trb.org/onlinepubs/shrp2/shrp2\\_S2-C02-RR.pdf](http://onlinepubs.trb.org/onlinepubs/shrp2/shrp2_S2-C02-RR.pdf)

Safety:

TE145.T43 no.50

Barriers (Tech Notes)

2008

[http://baystateroads.eot.state.ma.us/technotes/50\\_barriers.pdf](http://baystateroads.eot.state.ma.us/technotes/50_barriers.pdf)





KRR-KTC-10-02

Evaluation Plan for the Ticketing Aggressive Cars and Trucks (TACT) Program in Kentucky

2010

[http://www.ktc.uky.edu/Reports/KTC\\_10\\_02\\_KSP1\\_10\\_1F.pdf](http://www.ktc.uky.edu/Reports/KTC_10_02_KSP1_10_1F.pdf)

FHWA-SA-10-012

Implementing the High Risk Rural Roads Program

2010

[http://safety.fhwa.dot.gov/local\\_rural/training/fhwasa10021/fhwasa10021.pdf](http://safety.fhwa.dot.gov/local_rural/training/fhwasa10021/fhwasa10021.pdf)

TE176.C63 2009

Intersection Safety Needs Identification Report

2009

<http://safety.fhwa.dot.gov/intersection/resources/needsidrpt/needsidrpt.pdf>

TE7.S96 no.17

Special Safety Concerns of the School Bus Industry

2010

[http://onlinepubs.trb.org/onlinepubs/ctbssp/ctbssp\\_syn\\_17.pdf](http://onlinepubs.trb.org/onlinepubs/ctbssp/ctbssp_syn_17.pdf)

TE145.T43 no.52

US DOT Rural Safety Initiative (Tech Notes)

2009

[http://baystateroads.eot.state.ma.us/technotes/52\\_Rural\\_Safety.pdf](http://baystateroads.eot.state.ma.us/technotes/52_Rural_Safety.pdf)



AV-VD074

Using Rumblestrips to Prevent Run-Off-the-Road Crashes: Recognize-React-Recover

2010

Structures:

TE7.N25 no.645

Blast-Resistant Highway Bridges: Design and Detailing Guidelines

2010

[http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp\\_rpt\\_645.pdf](http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_645.pdf)



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AV-CD389  
Connection Details for Prefabricated Bridge Elements and Systems  
2009

CTI-UCD-1-94  
Design and Construction of Simple, Easy, and Low Cost Retaining Walls: The Next  
Generation in Technology  
1994

FHWA-HRT-09-044  
Integrity of Infrastructure Materials and Structures  
2009

Traffic Engineering:

AV-CD390  
ITE 2009  
2009

REF TE228.M36 2009  
Manual on Uniform Traffic Control Devices for Streets and Highways 2009 Edition  
2009  
<http://mutcd.fhwa.dot.gov/>



Transportation:

AV-CD337  
11th World Conference on Transport Research  
2007



TE280.F5 2010  
Field Guide for Accessible Public Rights-of-Way 2009 Edition Revised  
2010  
<http://lhtac.org/wp-content/uploads/2009/10/FieldGuideforAccessiblePublic-Rights-of-Way.pdf>



TE7.H5 no.2138

Human Performance, Information Systems, Simulation, and Visualization  
2009

TE7.H5 no.2140

Pedestrians, Bicycles, and Motorcycles  
2009

REF HE191.4.P63 2010

Pocket Guide to Transportation 2010  
2010

[http://www.bts.gov/publications/pocket\\_guide\\_to\\_transportation/2010/pdf/entire.pdf](http://www.bts.gov/publications/pocket_guide_to_transportation/2010/pdf/entire.pdf)



FHWA-OH-2002-011

Use of Electrical Resistivity to Detect Underground Mine Voids in Ohio  
2002

<http://www.dot.state.oh.us/Divisions/TransSysDev/Research/reportsandplans/Reports/2002/Geotechnical/14709-FR.pdf>



Trucking:

UMTRI-2010-4

Trucks Involved in Fatal Accidents Factbook 2007  
2010

<http://deepblue.lib.umich.edu/bitstream/2027.42/65063/1/48532%20A52.pdf>

Waterways:

REF HE393.N38 2009

U.S. Waterway System – Transportation Facts  
2009

<http://www.ndc.iwr.usace.army.mil/factcard/fc09/factcard.pdf>