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Technology Transfer Program

KENTUCKY TRANSPORTATION CENTER

NEWS TO USE

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Technology Transfer Program Library.

We'll be glad to help!



March - April
2011

USEFUL WEBSITES AND ELECTRONIC RESOURCES:

- FHWA Pavement Preservation:
<http://www.fhwa.dot.gov/pavement/mana.cfm>
- National Association of City Transportation Officials, Cities for Cycling:
<http://nacto.org/cities-for-cycling/>
- A Quick Check of Your Highway Network Health:
http://www.fhwa.dot.gov/pavement/pub_details.cfm?id=478
- Roadside Revegetation Portal: <http://www.nativerevegetation.org/>
- 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

NEW MATERIALS:

Construction:

TE145.G85 2001

Guide for Context-Sensitive Solutions: Construction

University of Kentucky: KTC; Kentucky Transportation Cabinet; 2001

TH438.B46 2010

Construction Purchasing and Supply Chain Management

McGraw Hill Companies, Inc.; 2010



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



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www.kyt2.com

TE7.N25 no.652

Time-Related Incentive and Disincentive Provisions in Highway Construction Contracts

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_652.pdf

TE180.K46 2008

Standard Specifications for Road and Bridge Construction
Kentucky Transportation Cabinet

<http://transportation.ky.gov/construction/spec/spec08.htm>

Design:

TE175.C66 2003

Context Sensitive Design Workshop: 2nd Urban Street Symposium

U.K. Kentucky Transportation Center; 2003

TE7.S9 no.376

Quality Assurance in Design-Build Projects

Transportation Research Board; 2008

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_syn_376.pdf

TE7.H5 no.2195

Highway Design 2010

Transportation Research Board; 2010

Environment:

TD171.B47 2004

Best Practices in Environmental Stewardship Competition: Promoting Environmental Excellence in Transportation.

AASHTO; 2004

Equipment:

TE7.S9 no.386

High Speed Weigh-in-Motion System Calibration Practices

Transportation Research Board; 2008

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_syn_386.pdf

Geotechnology:

FHWA-NHI-09-087

Corrosion/Degradation of Soil Reinforcement for Mechanically Stabilized Earth Walls and Reinforced Soil Slopes

DOT FHWA, National Highway Institute; 2009

<http://www.fhwa.dot.gov/engineering/geotech/pubs/nhi09087/nhi09087.pdf>

Management:

TE7.N25 no.658

Guidebook on Risk Analysis Tools and Management Practices to Control Transportation Project Costs

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_658.pdf

Materials:

TE7.S9 no.408

Pavement Marketing Warranty Specifications

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_syn_408.pdf

REF TA455.A7A86 2007

Asphalt Handbook

Asphalt Institute; 2007

TA455.A7B3 2008

Basic Asphalt Emulsion Manual

Asphalt Institute; Asphalt Emulsion Manufacturers Assn.; 2008

FHWA-HRT-10-065

Modeling of Hot-Mix Asphalt Compaction: A Thermodynamics-Based Compressible Viscoelastic Model.

DOT FHWA; 2010

<http://www.fhwa.dot.gov/publications/research/infrastructure/pavements/10065/10065.pdf>

Pavements:

TE7.S9 no.411

Microsurfacing

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_syn_411.pdf

Planning:

HE336.C58B5 1999

Hear Every Voice: A Guide to Public Involvement at Mn/DOT

Minnesota Dept. of Transportation; 1999

<http://www.dot.state.mn.us/planning/publicinvolvement/pdf/sep10hev.pdf>

HE336.C58P6 2003

Public Involvement Handbook

Florida Dept. of Transportation; 2003

TE7.N25 no.661

Guidebook for Corridor-Based Statewide Transportation Planning

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_661.pdf

Railroads:

TE7.N25 no.657

Guidebook for Implementing Passenger Rail Service on Shared Passenger and Freight Corridors

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_657.pdf

Roads:

TE7.N25 no.677

Development of Levels of Service for the Interstate Highway System

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_677.pdf

TE7.N25 no.632

Asset-Management Framework for the Interstate Highway System

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_632.pdf

Safety:

FHWA-SA-10-027

Noteworthy Practices: Addressing Safety on Locally Owned and Maintained Roads. A Domestic Scan.

DOT FHWA; 2010

http://safety.fhwa.dot.gov/local_rural/training/fhwasa10027/fhwasa10027.pdf

TE7.N25 no.525-16

Surface Transportation Security.Vol.16.A Guide to Emergency Response Planning at State Transportation Agencies

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_525v16.pdf

TE7.N25 no.670

Recommended Procedures for Testing and Evaluating Detectable Warning Systems

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_670.pdf

KRR-KTC-10-14

Analysis of Traffic Crash Data in Kentucky (2005-2009).

Kentucky Transportation Center: University of Kentucky; 2010

http://www.ktc.uky.edu/Reports/KTC_10_14_KSP2_10_1F.pdf

Structures:

TE7.N25 no.651

LRFD Design and Construction of Shallow Foundations for Highway Bridge Structures

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_651.pdf

TE7.N25 no.654

Evaluation and Repair Procedures for Precast/Prestressed Concrete Girder with Longitudinal Cracking in the Web

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_654.pdf

FHWA-HRT-11-026

Geosynthetic Reinforced Soil Integrated Bridge System Interim Implementation Guide

DOT FHWA; 2011

http://shortspansteelbridges.org/pdf/FHWA_Geosynthetic_Reinforced_Soil_Integrated_Bridge_System_Interim_Implementation%20Guide.pdf

FHWA-HRT-11-027

Geosynthetic Reinforced Soil Integrated Bridge System Synthesis Report
DOT FHWA; 2011

<http://www.fhwa.dot.gov/publications/research/infrastructure/structures/11027/11027.pdf>

Traffic Engineering:

TE7.H5 no.2178

Freeway Operations; Regional Systems Management and Operations; Managed
Lanes 2010

Transportation Research Board; 2010

Transit:

HE4421.S87 2007

Survey of State Funding for Public Transportation
DOT; American Public Transportation Assn.; 2007

http://www.apta.com/resources/reportsandpublications/Documents/survey_of_state_funding_07.pdf

Transportation:

TE7.S9 no.392

Transportation's Role in Emergency Evacuation and Reentry

Transportation Research Board; 2009

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_syn_392.pdf

TE7.N25 no.666

Target-Setting Methods and Data Management to Support Performance-Based
Resource Allocation by Transportation Agencies

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_666.pdf

TE7.H5 no.2196

Network Modeling 2010; Volume 1

Transportation Research Board; 2010

Trucking:

TE7.N25 no.671

Review of Canadian Experience with the Regulation of Large Commercial Motor Vehicles

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_671.pdf

TE7.N25 no.649

Separation of Vehicles-CMV Only Lanes

Transportation Research Board; 2010

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_649.pdf