

# MTKN and Pooled Fund Consortia Serving Better Together

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Steve Cochran, WSDOT Library  
GTRIC Meeting June 11, 2006

# Agenda

- Midwest Transportation Knowledge Network
  - Foundation and purpose
  - Members
  - Activities
  - Benefits to members and transportation
  - Relationship to the Pooled Fund
- Transportation Library Connectivity Pooled Fund
  - Foundation and purpose
  - Members
  - Activities
  - Future plans



# MTKN's Foundation and Purpose

- Began as a pilot project of the National Transportation Library in 2001.
- MTKN is a forum for pooling resources, sharing best practices, & provides opportunities for benchmarking.
- A network of transportation libraries in the 9 states comprising AASHTO's Region 3 + South Dakota.

Making Connections

MIDWEST  
TRANSPORTATION  
KNOWLEDGE  
NETWORK



# MTKN Members

- National Transportation Library
- Illinois DOT
- Iowa DOT
- Kansas DOT
- Michigan DOT
- Minnesota DOT
- University of Minnesota Center for Transportation Studies
- Missouri DOT
- Ohio DOT
- South Dakota DOT
- Wisconsin DOT
- Hanson Professional Services
- Northwestern University
- University of Michigan Transportation Research Institute





# MTKN's Accomplishments

- [Transportation Libraries Catalog](#) (TLCat)
  - Began with 15 libraries, now has 25 participants, funded by NTL
- TRB's Special Report 284, *Transportation Knowledge Networks: A Management Strategy for the 21<sup>st</sup> Century* recommended using MTKN as a model for establishing transportation knowledge networks in every region of the US.
- Cited in Bonnie Osif's *TR News* article, "Fast Lanes on the Transportation Information Superhighway", March-April, 2006
- Cooperation, inter-library loan, and knowledge sharing among member libraries, resulting in millions of dollars of savings



# MTKN's Recent Activities

- Met jointly with the Transportation Library Connectivity Pooled Fund at the *Knowledge & Library Connectivity Conference*.
- Joint Meeting Provided:
  - Extensive networking opportunities
  - Opportunity to share best practices and public relations advice
  - Several MTKN members presented on the advantages of regional networks

# MTKN's Recent Activities

- MTKN conducted its fourth annual business meeting on October 21 at the joint conference.
- Pooled Fund's Technical Advisory Committee (TAC) met at the joint conference; 4 MTKN libraries are also pooled fund participants.
- MTKN has produced a brochure on TLCat and its benefits.





# MTKN's Recent Activities

- The website: [MTKN.org](http://MTKN.org):
  - Presentations from the Knowledge & Library Connectivity Conference
  - National Transportation Knowledge Network video & brochure
  - Map linked descriptions & photos MTKN libraries
  - Presentations on how to find transportation information

# MTKN Strategic Initiatives 2006

- Support state DOT libraries and other transportation libraries however & whenever possible
- Create common performance measures that MTKN libraries can use to benchmark among ourselves; measure & communicate the benefits of MTKN



# MTKN Initiatives

- Partner with other transportation organizations to encourage the formation of regional library networks
- Explore funding possibilities for MTKN projects



# MTKN & ODOT Library

- MTKN requires participating libraries to have their own OCLC symbol
- Funding for an MTKN cataloging project from the NTL & cooperation from the State Library of Ohio enabled ODOT to have our own OCLC holdings symbol OHDOT
- We are now loading abstracts for all R&D research publications & linking to full-text reports available via the Internet



# An Overview of TLCat



 **Transportation Libraries Catalog** Ohio Dept. of Transportation

**Libraries that Own Item** | [MTKN Website](#) | [National Transp. Library](#) | [TRIS Online](#)

This screen shows libraries that own the item you selected.

[Home](#) | [Databases](#) | [Searching](#) | [Results](#) | [Staff view](#) | [My Account](#) | [Options](#) | [Comments](#) | [Exit](#) | [Hide tips](#)

[List of Records](#) | [Detailed Record](#) | [Marked Records](#) | [Saved Records](#) |

    Current database: **Transportation Libraries Catalog** Searched n: **All Transportation Libraries** Total Libraries: **1** 

**Title:** Development of a composite pavement performance index **Author:** Reza, Farhad

[Display All Libraries](#)

**Libraries with Item: "Development of a composi..."** ([Record for Item](#) | [Get This Item](#) )

Location	Library	Code
OH	OHIO DEPT OF TRANSP*	OHDOT

**Record for Item: "Development of a composi..."** ([Libraries with Item](#) )

Access:  <http://www.dot.state.oh.us/research/2005/Pavement/134184-FR.pcf>

Availability: FirstSearch indicates your institution owns the item.

# TLCat Entries with Abstracts

Title: **Development of a composite pavement performance index /**

Author(s): [Reza, Farhad.](#) ; [Boriboonsomsin, Kanok.](#) ; [Bazlamit, Subhi M.](#)

Corp Author(s): [Ohio Northern University.; Dept. of Civil Engineering.](#) ; [Ohio.; Dept. of Transportation.](#) ; [United States.; Federal Highway Administration.](#)

Publication: Ada, OH ; Dept. of Civil Engineering, Ohio Northern University,

Year: 2005

Description: 1 v. (various pagings) : ill. (some col.) ; 28 cm.

Language: English

Report No: ST/SS/05-001

**Abstract:** Every agency responsible for the maintenance of roadway systems faces the problem of insufficient funding to perform all of the necessary repairs on all **pavement** sections. Therefore, highway agencies must adopt a **pavement** management system (PMS) to help set priorities. The PMS includes a method for evaluating **pavement performance** on a routine basis and identifying sections with a need for rehabilitation or maintenance. A comprehensive evaluation of a **pavement** section should include surface friction, structural adequacy, **pavement** distress and roughness. Due to the prohibitive costs, surface friction and structural adequacy are not commonly used in the United States as part of the routine inspection procedure for pavements. Many states in the U.S. use a **pavement** rating system that is based solely on visible surface distresses, while others use an **index** based on ride quality alone, to perform the regular evaluation of pavements and to select projects for rehabilitation or maintenance. Some states use a combination of distress and ride quality. The Ohio Department of Transportation (ODOT) utilizes the **Pavement** Condition Rating (PCR), which is based on surface distress, for project selection. Studies show that **pavement** roughness is the most important issue for customer satisfaction followed by distress. Roughness may also lead to increased deterioration rates, which in turn increase the severity of the roughness. This report outlines the **development** of a new **performance index** for pavements that incorporates aspects of ride quality together with surface distress, for possible adoption by ODOT. The proposed **index** is called the **Pavement Quality Index** (PQI). The PQI does not require any new measurements or methods; rather, it simply utilizes procedures that are already in place and well established in Ohio. The PQI is an amalgam of the PCR and the International Roughness **Index** (IRI). The new **composite performance index** is expected to result in an increase in user satisfaction with highway

# TLCat Links to Our Catalog

**Author** Reza, Farhad  
**Title** Development of a composite pavement performance index / prepared by Farhad Reza, Kanok Boriboonsomsin, Subhi M. Bazlamit  
**Publish info** Ada, OH : Dept. of Civil Engineering, Ohio Northern University, [2005]

Connect to  
Connect to title (Archived)

LOCATION	CALL #	STATUS
State Documents	<a href="#">OTP 1.23/20:2005-001</a>	LIB USE ONLY
State Documents	<a href="#">OTP 1.23/20:2005-001</a> c.2	AVAILABLE
ODOT Library	<a href="#">TE251.5 .R49 2005x</a> c.3	AVAILABLE
ODOT Storage	<a href="#">TE251.5 .R49 2005x</a> c.4	AVAILABLE

**Description** 1 v. (various pagings) : ill. (some col.) ; 28 cm

**Notes** Final report

Sponsored by the Ohio Dept. of Transportation under state job no. 134184  
"Prepared in cooperation with the Ohio Department of Transportation and the U.S. Department of Transportation, Federal Highway Administration."  
"September 2005."

Also available online from ODOT's Web site; Adobe Acrobat Reader required  
Includes bibliographical references (p. 41-44). 36

**Summary** Every agency responsible for the maintenance of roadway systems faces



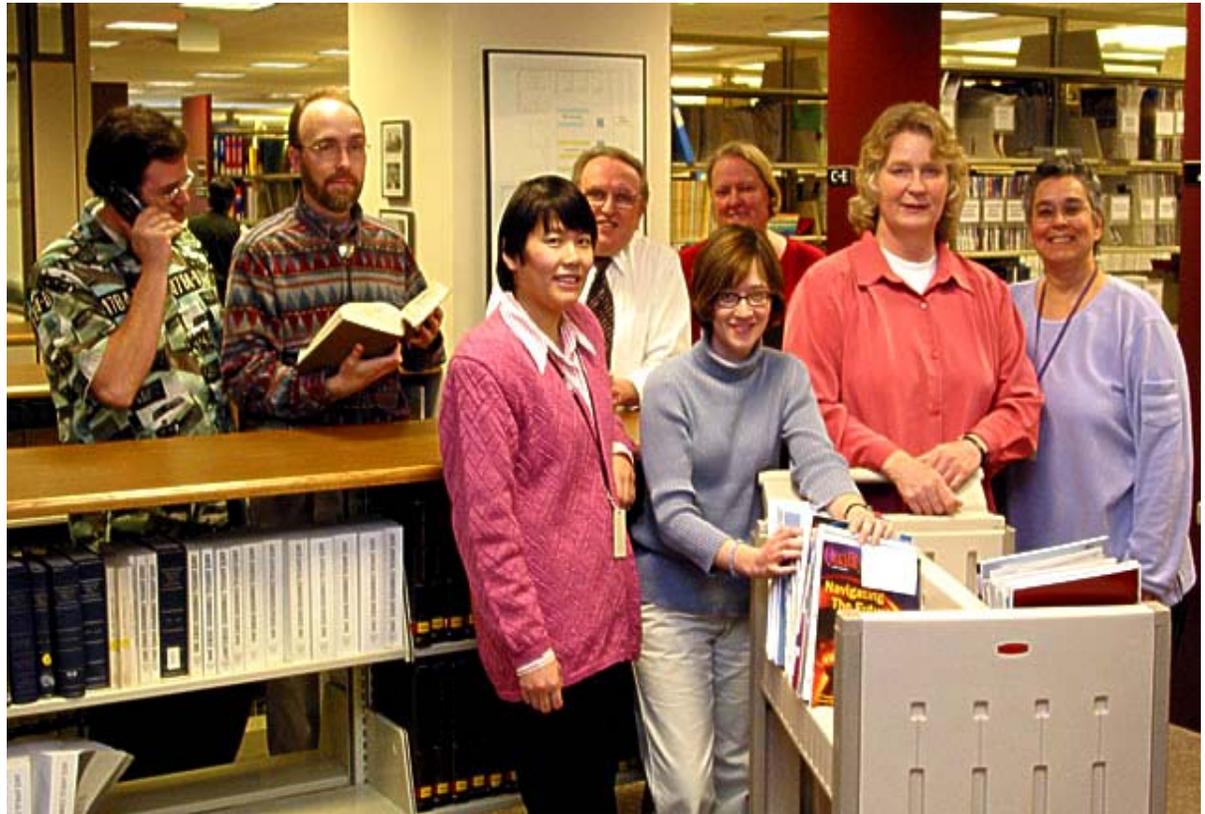
- ODOT Library—MTKN allows us to build an authoritative reputation: We provide answers.



**Northwestern Transportation Library—  
One of MTKN's benefits is the free  
availability of documents between  
and amongst all member libraries.**



- MoDOT Library—The shared knowledge, resources, experience & support has been extremely valuable in creating and maintaining a strong library.



- MNDOT Library—the primary benefit of MTKN has been increased visibility for staff & services provided by all transportation libraries. The benefit of MTKN is long-term.

# Hanson Professional Services Inc. Library

- My company values our connection with MTKN. I am able to call or email another MTKN library with a question or ILL request and I know that I will receive the best possible service in a quick turnaround time.





- UMRI Library—Being part of MTKN is just one way that the library can have an influence in shaping information policy that could ultimately have tangible results for the research community.



- **KSDOT Library—MTKN provides a strong example of what a network of regional special libraries can accomplish.**

# Transportation Library Connectivity Pooled Fund



- **Foundation:** *Scoping Study for a National Strategic Plan for Transportation Information Management*, July of 2003
- Created in 2005 as TPF-5(105)
- **Purpose:** to implement a national transportation technology transfer program for information and knowledge management
- **Three Major Objectives:** *Technical Assistance* in cataloging documents into OCLC and converting card catalogs into an online format; *Network Development*, supporting the growth of DOT library information and knowledge networks; and *Marketing & Outreach* to provide coordinated marketing materials and to grow membership



# Transportation Library Connectivity Pooled Fund



## Members

- Kansas DOT
- Louisiana DOT
- Minnesota DOT
- Montana DOT
- Ohio DOT
- Oregon DOT
- Pennsylvania DOT
- Tennessee DOT
- Washington State DOT
- Wisconsin DOT
- Midwest Regional University  
Transportation Center



# Transportation Library Connectivity Pooled Fund



## Activities

- Grow the number of Pooled Fund Participants; help to increase our awareness of one another
- Develop tools for shared marketing & publicity, especially around nationally known library or transportation events
- Increase DOT library participation in OCLC shared cataloging through provision of technical services expertise
- Increase DOT executive's appreciation of their libraries through the development of measures that speak to them -- \$\$\$



# Transportation Library Connectivity Pooled Fund



## Accomplishments

- Creation of TLC Web site:  
<http://www.libraryconnectivity.org/>

Transportation Pooled Fund Program - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://www.libraryconnectivity.org/aboutstudy.html

### Transportation Library Connectivity Pooled Fund Study

- About the Study
- Meetings & Minutes
- Marketing Plan
- Marketing Resources
- Technical Library Services Plan
- Technical Resources
- Participation Levels
- Partners
- Contact us

#### About the Study

Accessible, reliable, and timely information is central to quality performance for all transportation agencies and stakeholders. Yet, a vast amount of transportation-related information is neither collected nor made available for use by others. Technology transfer activities--converting information into knowledge--are crucial for getting information in the hands of transportation practitioners and decision-makers.

The Transportation Library Connectivity Pooled Fund Study will focus on making the transfer of information an integral part of transportation library or information services. This technology transfer effort will support the systematic organization of state, federal, academic and private sector libraries to institutionalize the best practices of the [Midwest Transportation Knowledge Network](#) (MTKN), a network of transportation libraries in the Midwest.

Under the guidance of a project administrator and technical services librarian contracted for the project, pooled fund participants will work to implement national transportation technology transfer program for information and knowledge management.

This effort will consist of three major components:

- Technical Assistance:** Providing technical guidance to participating state agencies for cataloguing documents into the Online Computer Library Center (OCLC) and converting them to online format.
- Network Development:** Encouraging and supporting the development and growth of DOT library information and knowledge networks.
- Marketing and Outreach:** Developing a toolkit of marketing deliverables that will initially be launched during the American Library Association's National Library Week, April 2 to 8, 2006.

[Frequently Asked Questions \(PDF\)](#)

To learn more about the federal Transportation Pooled Fund Study program, visit: <http://www.pooledfund.org/about.stm>.

# Transportation Library Connectivity Pooled Fund



## Accomplishments

### ■ Development of TLC Blog

<http://www.ctcandassociates.com/lpfblog/>

News, Updates & Resources - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://www.ctcandassociates.com/lpfblog/

Home | About | Archives | Links | Contact

News, Updates & Resources  
*Transportation Library Connectivity Pooled Fund Study*

**Mon 22 May 2006** **CTS Research Conference, 5/24**  
Posted by Maggie under News (edit this)  
[3] Comments

I will be presenting at the CTS Research Conference in St. Paul on Wednesday, 5/24 as part of a session moderated by our very own Jerry Baldwin. Here's the program:  
**The Midwest's Role in the Transportation Information Revolution: Future Strategy**  
Dave Johnson - Origins of MTKN; Bob Johns - Current status of national transportation library and information efforts, including SR284; Maggie Sacco - Transportation Library Connectivity pooled fund project, NCHRP 20-75 and plans for future efforts.

I'll post when I get back to Madison and give you a recap of it all.

**Mon 15 May 2006** **Longest Cable-stayed Bridge in North America Begins Construction in Louisiana**  
Posted by Maggie under News (edit this)  
1 Comment

**Links**

- CTC & Associates LLC
- MTKN
- NTL
- OCLC Connexion
- OCLC FirstSearch
- OCLC Regional Service Providers

# Transportation Library Connectivity Pooled Fund



## Accomplishments

- Completion of survey of participating libraries – results at <http://www.ctcandassociates.com/lpfblog/wp-content/TLCSurveyReport.pdf>
- Creation of shared promotional and marketing materials for National Library Week
- Negotiation of OCLC Cataloging, WorldCat, and FirstSearch contracts for participating libraries
- Increased knowledge of our DOT library colleagues



# Transportation Library Connectivity Pooled Fund



## Future Plans

- TL Collection Analysis & Evaluation
- Expanded PR materials development
- Grow number of participating libraries
- Work toward implementation of the recommendations outlined in TRB SR 284
- Participate in NCHRP Project 20-75



# Transportation Library Connectivity Pooled Fund



- **Ultimate goals:**
- A nationwide transportation information network offering quick access and best practices to all
- Complete buy-in from state & national leaders to ensure the stability of our transportation library infrastructure



# Any Questions?

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