

Tools for Transportation Research



Workshop 176

TRB 86th Annual Meeting

January 21, 2007



Transportation Libraries Catalog



Increasing the Speed of Innovation

Presenter: Janet Bix
Ohio Department of Transportation

100 Million Websites

- The early Web's explosive growth rate has slowed, but even the mature web is still expanding and recently crossed the 100 million websites mark.
- OCLC *Abstracts*, November 13, 2006, Vol. 9, No. 44.



Average daily life

- Average life of a Web page is 100 days
- ...says Michelle Kimpton, from the Internet Archive at a seminar at Lehigh University



Internet Beginnings

- World Wide Web was developed in the late 1980s at the European Center for Nuclear Research (CERN) from research by Tim Berners-Lee; [W3C](#)
- the Web was initially created to share data on nuclear physics



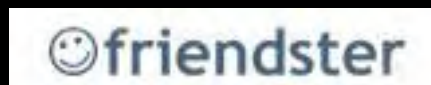
W W W...

- Enables instantaneous and seamless communication and commerce around the globe, from almost any device



Social Networking

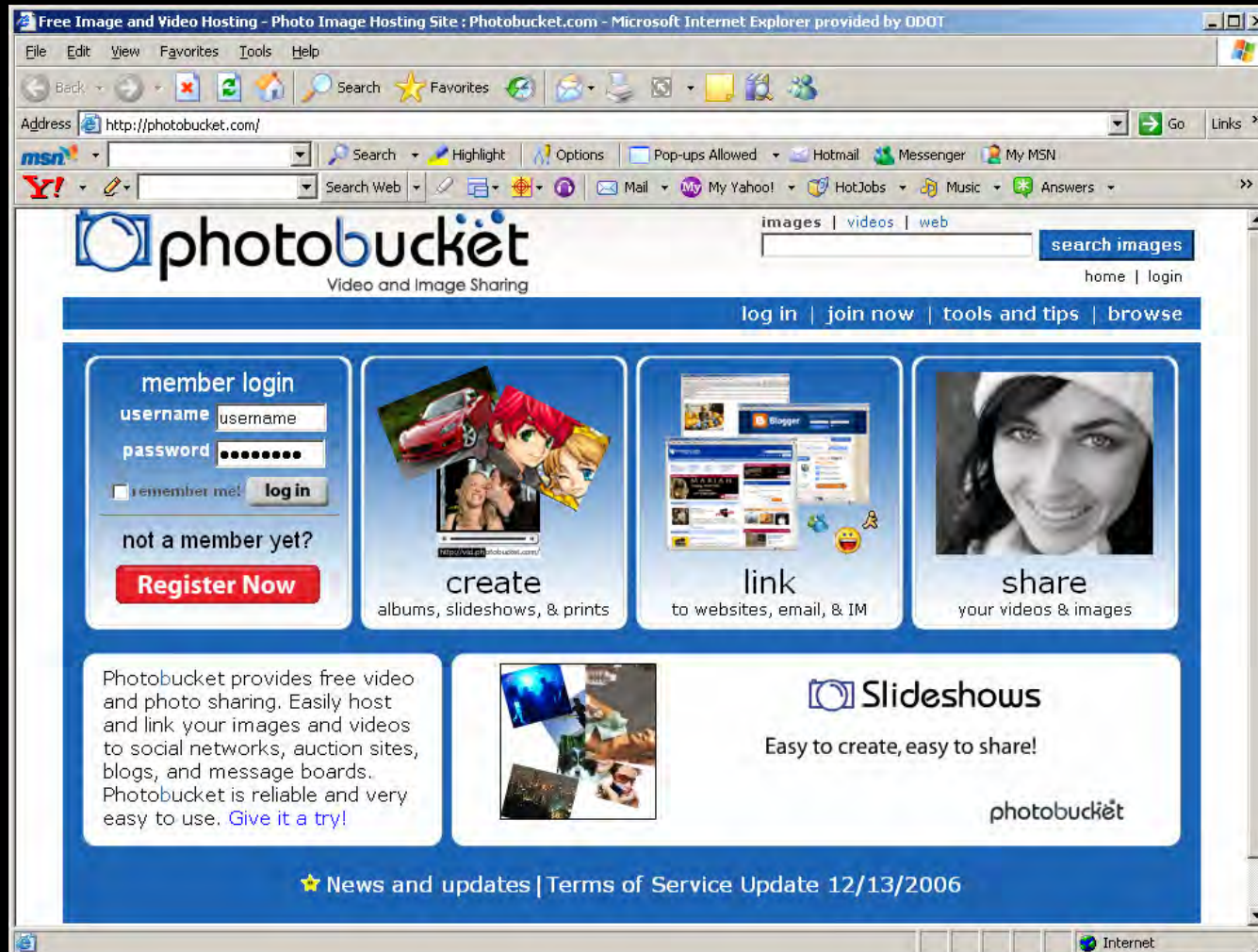
to quote an ODOT staffer – “sometimes just **too** social”



Social Networking



Applications to Assist Networking



Much of the Web Is a Popularity Contest



Ooo... Google

How does Google rank results?

PageRank algorithm considers:

- The quality of the linking sites (from Google Librarian Center)

<http://www.google.com/librariancenter/>

- **But also how many links there are to a web page from other pages**



The Web & The Magazines at Your Doctor's Office

The two are not that different!

- Usually commercialized, and
- Often just for entertainment value

Reader's Digest, circa: March, 1997.



Can we depend on the Internet to provide
accurate and **reliable** information?

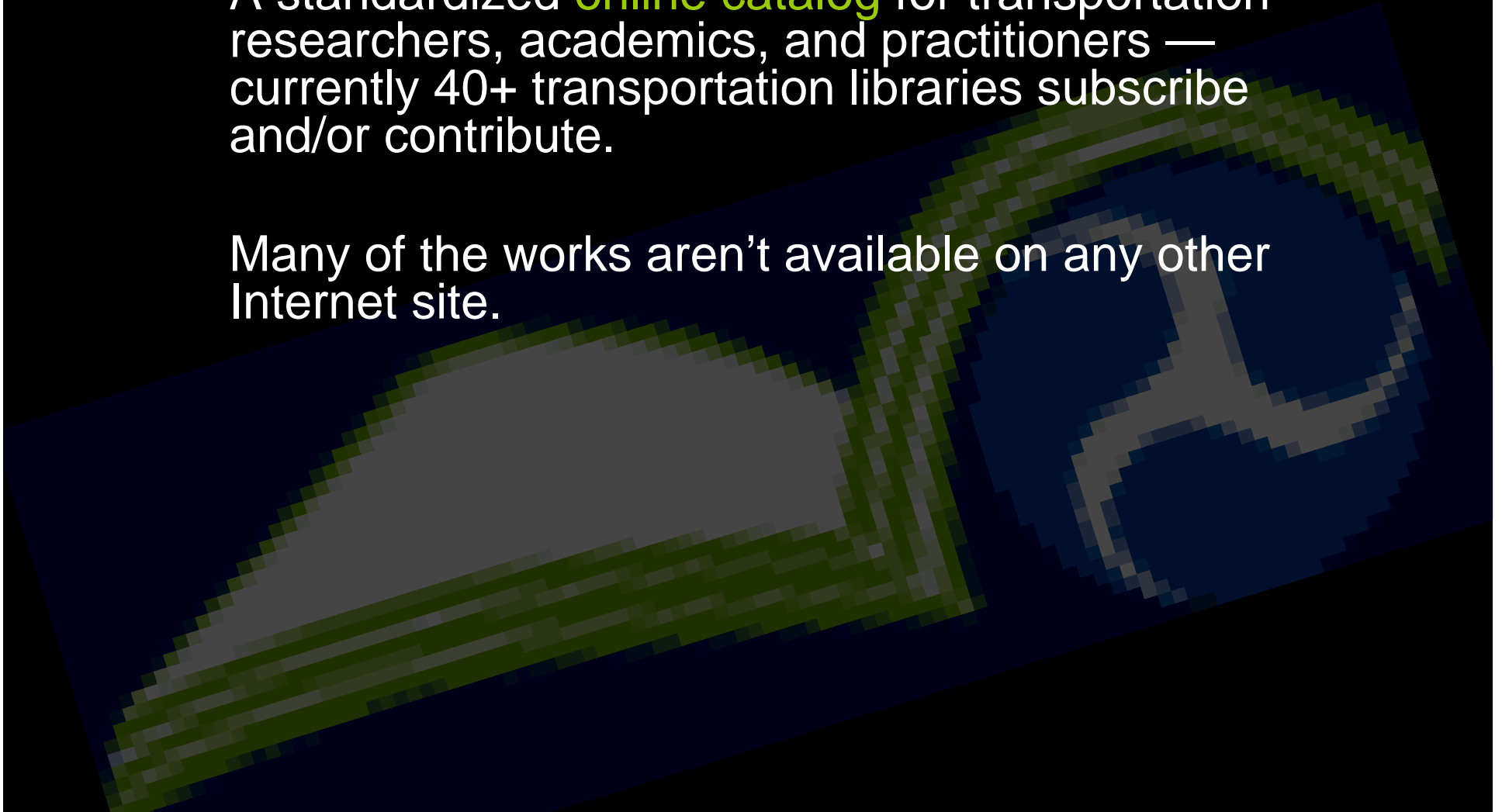
Bibliographic Databases = Reliability & Authority

- If you need papers, books, articles, media, and proceedings that are reviewed and reliable, then use a bibliographic database.
- TLCat & TRIS are great candidates.

What is **TLCat** ?

A standardized **online catalog** for transportation researchers, academics, and practitioners — currently 40+ transportation libraries subscribe and/or contribute.

Many of the works aren't available on any other Internet site.



Supported by funds provided by the
National Transportation Library

Initiated by a consortium of state
agency libraries & university
transportation libraries

**Midwest Transportation Knowledge
Network**, a network of
transportation libraries in the 9
states comprising AASHTO's
Region 3 plus South Dakota



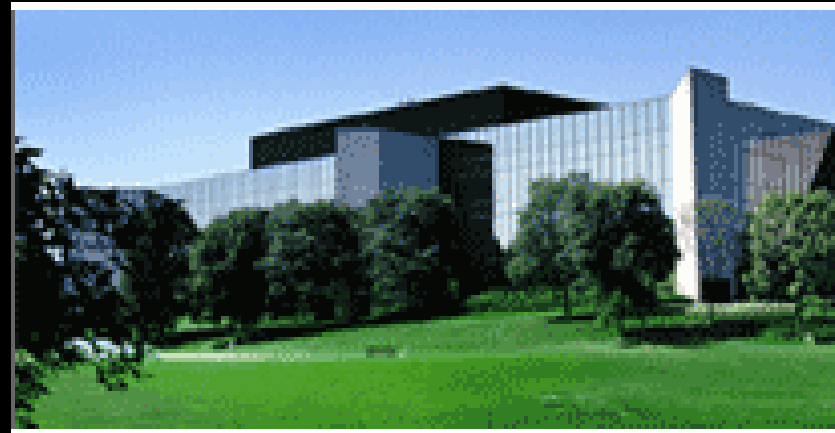


Transportation libraries have made investments in time and resources to make access to information a reality for library users at their institutions.

The Transportation Libraries Catalog leverages those investments, using a worldwide library cooperative, **Online Computer Library Center Inc. (OCLC)** Libraries have known and used for 3 decades.

OCLC online in 1971

- “...Libraries were online before anyone really knew what online meant.”
- George Needham, VP Member & Community Services, OCLC, Inc.



How it Works

- Simultaneously searches multiple transportation library collections held in OCLC's WorldCat
- Search results indicate how many transportation libraries own the items identified
- Searches can be structured to limit results to specific fields – **title**, **author**, **keyword**
- Searches can be structured to limit by format –books, visual materials, computer files, internet resources, serial publications, sound recordings, archival materials, articles, musical scores, & maps
- A single click will expand your search to **WorldCat**, OCLC's catalog of books & other materials in libraries worldwide, a database that currently contains records from 41,555+ participating libraries worldwide.

<http://www.oclc.org/firstsearch/content/worldcat/>



List All Databases

[MTKN Website](#) | [National Transp. Library](#) | [TRIS Online](#)

- Choose the databases you want to search (up to 3) and then click on **Select**.
- Databases missing some new FirstSearch features are displayed like this: *Database**.
- Looking for a general database to search? Try:
[WorldCat](#) - Books etc.

[Home](#)

Databases

[Staff View](#)

[My Account](#)

[Options](#)

[Comments](#)

[Exit](#)

[Hide tips](#)

List All Databases

[List Databases by Topic](#)

[Suggest Best Databases](#)

Go to page



Help

Current database: None

Select

Clear

Select Database Description

Updated

Full
Info Text



[TLCat](#)

OCLC catalog of transportation-related books and other materials held in government, university and other transportation libraries



[WorldCat](#)

OCLC catalog of books and other materials in libraries worldwide

2004-11-09



Select

Clear

Advantages

- **Quick & easy** way to find pertinent reports and documented research.
- **Cost saving** for libraries and transportation departments
- **More efficient**, reduces duplication, provides targeted information
- **Access** to information that has never been available electronically before

TLCat Search

FirstSearch: FirstSearch Home - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://firstsearch.oclc.org/WebZ/FSPrefs?entityjsdetect=:javascript=true:screensize=large:sessionid=fsapp13-56320-ex280pba-mq85t5:entitypagenum> Go Links

msn Search Highlight Options Pop-ups Allowed Hotmail Messenger My MSN

Y! Search Web Mail My Yahoo! HotJobs Music Answers

Transportation Libraries Catalog

FirstSearch Home

Ohio Dept. of Transportation

[MTKN Website](#) | [National Transp. Library](#) | [TRIS Online](#)

- Welcome to the OCLC FirstSearch service, connecting you to information in a wide range of subjects in 2 databases.
- Looking for a general database to search? Try:
[WorldCat](#) - Books etc.
- If you have saved searches, you can access them here: [Previous Searches](#)
- If you have saved marked record(s), you can access them here: [Saved Records](#)

Home Databases Staff View My Account Options Comments Exit Hide tips

List All Databases List Databases by Topic Suggest Best Databases Go to page

Intro News Help

Search for:

In:

Search Clear

Jump to Advanced Search:

English Español Français عربي 日本語 한국어 中文(繁體) 中文(简体) Options Comments Exit

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Session timeout: 14:55 Internet

FirstSearch: List All Databases - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Back Search Favorites

Address <http://firstsearch.oclc.org/WebZ/FSPage?pagename=allpbs:entityqsquery=:sessionid=fsapp13-56320-ex280pba-mq85t5:entitypagenum=2:0> Go Links

msn Search Highlight Options Pop-ups Allowed Hotmail Messenger My MSN

Y! Search Web Mail My Yahoo! HotJobs Music Answers

Transportation Libraries Catalog

Ohio Dept. of Transportation

[MTKN Website](#) | [National Transp. Library](#) | [TRIS Online](#)

List All Databases

- Choose the databases you want to search (up to 3) and then click on **Select**.
- Databases missing some new FirstSearch features are displayed like this: *Database**.
- Looking for a general database to search? Try:
[WorldCat](#) - Books etc.

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

[List All Databases](#) [List Databases by Topic](#) [Suggest Best Databases](#) Go to page

? Help Current database: **TLCat**

[Select](#) [Clear](#)

	Select Database	Description	Updated	Full Info Text
<input checked="" type="checkbox"/>	TLCat	OCLC catalog of transportation-related books and other materials held in government, university and other transportation libraries		1
<input type="checkbox"/>	TLCat	OCLC catalog of transportation-related books and other materials held in government, university and other transportation libraries		1
<input type="checkbox"/>	WorldCat	OCLC catalog of books and other materials in libraries worldwide	2007-01-17	1

[Select](#) [Clear](#)

Session timeout: 14:52 Internet

FirstSearch: Transportation Libraries Catalog Advanced Search - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://firstsearch.oclc.org/WebZ/LogDbChange?next=SourceSelRoute:bad=error/badsearch.html:sessionId=fsapp13-56320-ex280pba-mq85t5:entitypag> Go Links

msn Search Highlight Options Pop-ups Allowed Hotmail Messenger My MSN

Y! Search Web Mail My Yahoo! HotJobs Music Answers

Transportation Libraries Catalog

Ohio Dept. of Transportation

[MTKN Website](#) | [National Transp. Library](#) | [TRIS Online](#)

Transportation Libraries Catalog Advanced Search

- Enter search terms in one or more boxes and click on Search.

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[Basic Search](#) [Advanced Search](#) [Expert Search](#) [Previous Searches](#) [Go to page](#)

[Subjects](#) [News](#) [Help](#) Current database: **Transportation Libraries Catalog**

[Search](#) [Clear](#)

Search in database: **TLCat** ⓘ
OCLC catalog of transportation-related books and other materials held in government, university and other transportation libraries

Limit to: **All Transportation Libraries** ⓘ
All Transportation Libraries
Government Transportation Libraries
University Transportation Libraries
Midwest Transportation Libraries
Transportation Libraries (Canada)
Libraries Worldwide

Search for:
and
and

Year (format: YYYY-YYYY)
Limit to: Language No Limit [Show all languages ...](#)

Session timeout: 14:50 Internet

FirstSearch: Transportation Libraries Catalog Advanced Search - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Back Search Favorites

Address <http://firstsearch.odc.org/WebZ/LogDbChange?next=SourceSelRoute:bad=error/badsearch.html:sessionId=fsapp13-41644-ex4lms8k-ixm7ih:entitypagenum=3:0:dbchoice> Go Links

msn Search Highlight Options Pop-ups Allowed Hotmail Messenger My MSN

Y! Search Web Mail My Yahoo! HotJobs Music Answers Personals

Transportation Libraries Catalog

Ohio Dept. of Transportation

[MTKN Website](#) | [National Transp. Library](#) | [TRIS Online](#)

Transportation Libraries Catalog Advanced Search

• Enter search terms in one or more boxes and click on Search.

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

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Subjects News Help Current database: Transportation Libraries Catalog

[Search](#) [Clear](#)

Search in database: [TLCat](#) ⓘ
OCLC catalog of transportation-related books and other materials held in government, university and other transportation libraries

Limit to: [All Transportation Libraries](#) ⓘ

Search for: Keyword
 ISSN
 Subject
 Subject Phrase
 Descriptor
 Genre/Form
 Geographic Coverage
 Named Corporation and Conference
 Named Person
 Title
 Title Phrase
 Series Title

and
and

Year
Limit to: Language No Limit
Number of Libraries All

☐ Books ☐

Session timeout: 13:20 Internet

FirstSearch: Transportation Libraries Catalog Expert Search - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Address http://firstsearch.oclc.org - Help - Microsoft Internet Explorer

msn Y! Tran: Enter Basic Index

Wildcards

Wildcards are used to represent from zero to nine additional characters in a search term. They are useful when you are unsure of spelling, when there are alternate spellings, or when you only know part of a term. FirstSearch recognizes two wildcards.

A pound sign # represents a single character.

A question mark ?, alone or with a number, represents from zero to nine additional characters. Include a number if you know the maximum number of characters the wildcard will replace. Otherwise, use the question mark ? alone to represent any number of characters within a single term, including no additional characters.

Note: Wildcards can only be used after the third character of a term.

If you type:	FirstSearch searches for:
wom#n	records containing <i>woman</i> and <i>women</i>
colo?r	records containing <i>color</i> , <i>colour</i> , <i>colonizer</i> , and <i>colorimeter</i>
colo?1r	records containing <i>color</i> , <i>colour</i> , but not

Indexed in: Subject Headings, LC (hl:)

Year (format: YYYY-YYYY)

Limit to: Language No Limit Show all languages ...

Number of Libraries All

Session timeout: 12:19

Start Janet Bix - Inbox - Lotus... ToolsTransResearchTLC... FirstSearch: Transportati... http://firstsearch.oclc...

Internet 4:12 PM

fsapp7-35393-ex28s3lc-2caksf:entitypagenum=13:0

Options Pop-ups Allowed Hotmail Messenger My MSN

Mail My Yahoo! HotJobs Music Answers Personals

Ohio Dept. of Transportation

MTKN Website National Transp. Library TRIS Online

Staff View My Account Options Comments Exit Hide tips

Searches Go to page

Transportation Libraries Catalog

books and other materials held in government, university and other transportation libraries

Plurals, Truncation, and Wildcards

- Use **+** for plurals (s and es)
- Use ***** for truncation
- Use **#** for a wildcard character
- Use **?N** for up to **N** characters

Combining Search Terms (Boolean)

X and Y

X or Y

X not Y

Adjacent terms (**Proximity**)

$X \text{ } w \text{ } Y$

X is followed by Y

$X \text{ } wN \text{ } Y$

X is followed by Y
with at most N terms between

$X \text{ } n \text{ } Y$

X is next to Y, either order

$X \text{ } nN \text{ } Y$

X is within N terms of Y,
either order

FirstSearch: Transportation Libraries Catalog Advanced Search - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Address <http://firstsearch.oclc.org/WebZ/FSQUERY?format=BI:next=html/records.html:bad=html/records.html:numrecs=10:sessionid=fsapp4-37622-ex3e2nwy-yfiha3:entitypage> Go Links

Search Highlight Options Pop-ups Allowed Hotmail Messenger My MSN

Search Web Mail My Yahoo! HotJobs Music Answers Personals

database: OCLC catalog of transportation-related books and other materials held in government, university and other transportation libraries

Limit to: Libraries Worldwide

Search for: Keyword

and Keyword

and Keyword

Year (format: YYYY-YYYY)

Limit to: Language No Limit [Show all languages...](#)

Number of Libraries All

Limit type to: match any of the following

☐ Books ☐ Serial Publications ☐ Articles

☐ Visual Materials ☐ Sound Recordings ☐ Musical Scores

☐ Computer Files ☐ Archival Materials ☐ Maps

☐ Internet Resources ☐ Continually Updated Resources

Subtype limits Any Audience Any Content Any Format

Limit availability to: match any of the following

☐ Items in my library (ODOT, OCLC)

Library Code

Rank by: Number of Libraries

Search Clear

Any Format

Large print

Braille

Manuscript

Microform

not Microform

CD audio

Cassette recording

LP recording

VHS tape / Videocassette

English | Español | Français | عربي | 日本語 | 한국어 | 中文(繁體) | 中文(简体) | Options | Comments | Exit

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Transportation Libraries Catalog records are enhanced with WorldCat holdings information

Session timeout: 14:40

Start Janet Bix - Inbox - Lotus... Microsoft PowerPoint - [...] FirstSearch: Transpor...

Internet 11:33 AM

Subject Searching

FirstSearch: Transportation Libraries Catalog Detailed Record - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://firstsearch.oclc.org/WebZ/F5FETCH?fetchtype=fullrecord:sessionId=fsapp7-35393-ex28s3lc-2caksf:entitypagenum=7:0:recno=7:resultset=2:format=FI:next=html> Go Links

MSN Search Highlight Options Pop-ups Allowed Hotmail Messenger My MSN

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GET THIS ITEM

Availability: **FirstSearch indicates your institution owns the item.**

- Libraries that Own Item: **Worldwide: 10** [Ohio Dept. of Transportation](#)
- [Search the catalog at your library](#)

FIND RELATED

More Like This: [Advanced options...](#)

Find Items About: [Deere & Company.](#) (237)

Title: **How to get more out of your motor grader**

Corp Author(s): [Deere & Company.. Training Center.](#)

Publication: [Moline, IL] ; Deere,

Year: 1989

Description: 1 videocassette (25 min.) ; sd., col. ; 1/2 in.

Language: English

Abstract: This program looks at **road** construction and **road** maintenance and how to get more out of your motor grader.

SUBJECT(S)

Descriptor: [Graders \(Earthmoving machinery\)](#)

System Info: VHS format.

Class Descriptors: LC: [TA725](#); Dewey: [624.152](#)

Responsibility: produced by John Deere Training Center.

Material Type: Videorecording (vid); Videocassette (vca); VHS tape (vhs)

Document Type: Visual Material

Entry: 19900109

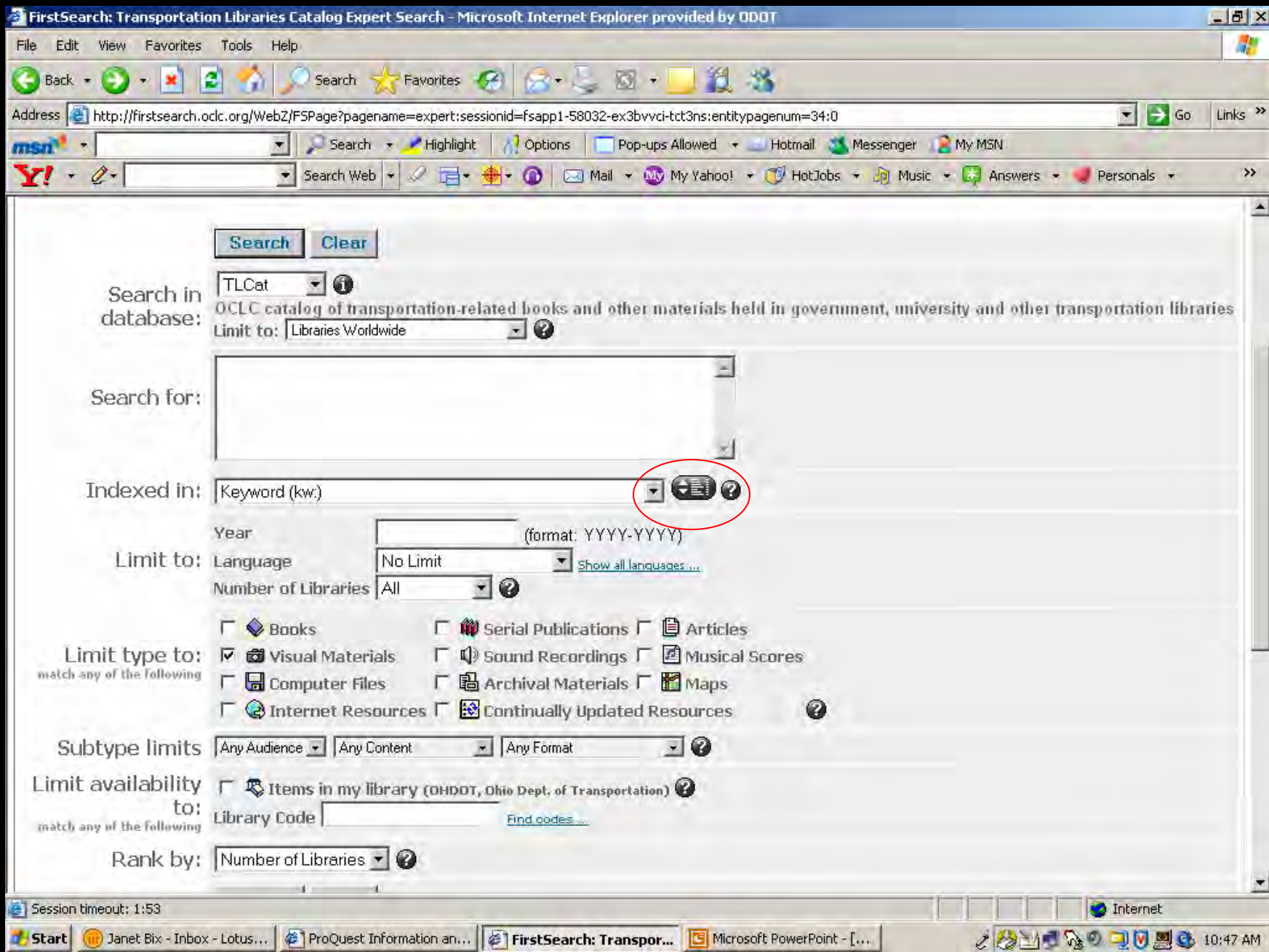
Update: 20020815

Accession No: OCLC: 20862891

Database: TLCat

Session timeout: 14:39

Start Janet Bix - Inbox - Lotus... ToolsTransResearchTLC... FirstSearch: Transpor... Internet 4:06 PM



FirstSearch: Browse Index - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://firstsearch.odc.org/WebZ/FSPage?pagename=scanindex;entityindexname=:entitytermname=:sessionid=fsapp1-58032-ex3bvvc-tct3ns;entitypagenum=42:2> Go Links

msn Search Highlight Options Pop-ups Allowed Hotmail Messenger My MSN

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Transportation Libraries Catalog

Ohio Dept. of Transportation

[MTKN Website](#) | [National Transp. Library](#) | [TRIS Online](#)

Browse Index

- Enter a term, choose an index, and click on **Browse**
- Click on a term to copy it to your search screen.

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

[Basic Search](#) [Advanced Search](#) [Expert Search](#) [Previous Searches](#) [Go to page](#)

[Return](#) [Help](#) Current database: **Transportation Libraries Catalog**

Browse for: "Graders (Earthmoving machinery)

Indexed in: [SubjectPhrase \(su=\)](#)

[Browse](#)

[English](#) | [Español](#) | [Français](#) | [عربي](#) | [日本語](#) | [한국어](#) | [中文\(繁體\)](#) | [中文\(简体\)](#) | [Options](#) | [Comments](#) | [Exit](#)

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Session timeout: 14:55

Start Janet Bix - Inbox - Lotus... ProQuest Information an... FirstSearch: Browse I... Microsoft PowerPoint - [...]

Internet 10:48 AM

FirstSearch: Browse Index - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Address <http://firstsearch.odc.org/WebZ/FSSCAN?next=html/scanindex.html:bad=html/scanindex.html:sessionid=fsapp1-58032-ex3bvvc1-tct3ns:entitypagenum=86:2> Go Links >>

msn Search Highlight Options Pop-ups Allowed Hotmail Messenger My MSN

Y! Search Web Mail My My Yahoo! HotJobs Music Answers Personals >>

Browse for: "Graders (Earthmoving machinery)

Indexed in: Subject Phrase (su=)

Browse

Prev Next

Term/Phrase	Count
graderas cave	1
graderas cave spain	2
graders	3
graders earth moving machinery	1
graders earthmoving machinery	269
graders earthmoving machinery	1
graders earthmoving machinery	1
grades	81
grades 1 6	2
grades 4 6	1

English | Español | Français | عربي | 日本語 | 한국어 | 中文(繁體) | 中文(简体) | Options | Comments | Exit

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Session timeout: 14:54

Start Janet Bix - Inbox - Lotus... ProQuest Information an... FirstSearch: Browse I... Microsoft PowerPoint - [...]

Internet 10:55 AM

FirstSearch: Transportation Libraries Catalog Advanced Search - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://firstsearch.odc.org/WebZ/LogDbChange?next=SourceSelRoute:bad=error/badsearch.html;sessionId=fsapp4-37622-ex3e2nwy-yfiha3:entitypagenum=3:0:dbchoice> Go Links

msn Search Highlight Options Pop-ups Allowed Hotmail Messenger My MSN

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Subjects News Help

Search **Clear**

Search in database: **TLCat** **i**
OCLC catalog of transportation-related books and other materials held in government, university and other transportation libraries

Limit to: **Libraries Worldwide** **?**

Search for: **Graders (Earthmoving machinery)** **Keyword** **▼**

not **Juvenile** **Keyword** **▼**

not **children#** **Keyword** **▼**

Year **(format: YYYY-YYYY)**

Limit to: **Language** **No Limit** **Show all languages ...**

Number of Libraries **All** **?**

Limit type to: **match any of the following**

☐ **Books** ☐ **Serial Publications** ☐ **Articles**

☒ **Visual Materials** ☐ **Sound Recordings** ☐ **Musical Scores**

☐ **Computer Files** ☐ **Archival Materials** ☐ **Maps**

☐ **Internet Resources** ☐ **Continually Updated Resources** **?**

Subtype limits **Any Audience** **Any Content** **Any Format** **?**

Limit availability to: **match any of the following**

☐ **Items in my library (ODOT, Ohio Dept. of Transportation)** **?**

Library Code **Find codes ...**

Rank by: **Number of Libraries** **?**

Session timeout: 14:59

Internet

Start Janet Bix - Inbox - Lotus... Microsoft PowerPoint - [...] FirstSearch: Transpor...

11:32 AM

FirstSearch: Transportation Libraries Catalog List of Records - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://firstsearch.oclc.org/WebZ/FSQUERY?format=BI&next=html/records.html&bad=html/records.html&numrecs=10&sessionid=fsapp4-37622-ex3e2nwy-yfiha3:entitypager> Go Links

msn Search Highlight Options Pop-ups Allowed Hotmail Messenger My MSN

Y! Search Web Mail My Yahoo! HotJobs Music Answers Personals

Transportation Libraries Catalog

Ohio Dept. of Transportation

[MTKN Website](#) | [National Transp. Library](#) | [TRIS Online](#)

Transportation Libraries Catalog List of Records

- Click on a title to see the detailed record.
- Click on a checkbox to mark a record to be e-mailed or printed in Marked Records.

Home Databases Searching Results Staff View My Account Options Comments Exit Hide tips

List of Records Detailed Record Marked Records Saved Records Go to page

Sort Subjects Related Limit E-mail Print Export Help

Transportation Libraries Catalog results for: (((kw: Graders and ((kw: Earthmoving and kw: machinery)))) not kw: Juvenile) not kw: children# and dt = "vis" , Searched in: Libraries Worldwide [Save Search](#)

Records found: 83 (English: 28) Rank by: Number of Libraries
Search in: [All Transportation Libraries](#)

Prev 1 Next Search in: Libraries Worldwide Select

Limit results: Any Audience Any Subtype Search

- ☐ **How to get more out of your motor grader**
 Publication: [Moline, IL] : Deere, 1989
 Document: English : Visual Material : Videorecording : VHS tape
 Libraries: **Worldwide: 10** [Ohio Dept. of Transportation](#)
[More Like This: Advanced options ...](#)
☐ [See more details for locating this item](#)
- ☐ **Taking control of your motor grader**
 Publication: [Moline, IL] : Deere, 1989
 Document: English : Visual Material : Videorecording : VHS tape
 Libraries: **Worldwide: 9**
[More Like This: Advanced options ...](#)
☐ [See more details for locating this item](#)

Session timeout: 12:35

Start Janet Bix - Inbox - Lotus... Microsoft PowerPoint - [...] FirstSearch: Transpor...

Internet 11:30 AM

New Search

FirstSearch: Transportation Libraries Catalog Advanced Search - Microsoft Internet Explorer provided by ODDT

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://firstsearch.oclc.org/WebZ/F5Page?pagename=advanced;sessionid=fsapp1-58032-ex3bvvc1-tct3ns;entitypagenum=112;4> Go Links

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Y! Search Web Mail My Yahoo! HotJobs Music Answers Personals

Transportation Libraries Catalog

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Transportation Libraries Catalog Advanced Search


• Enter search terms in one or more boxes and click on Search.


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


[Basic Search](#) [Advanced Search](#) [Expert Search](#) [Previous Searches](#) [Go to page](#)



[Subjects](#) [News](#) [Help](#) Current database: **Transportation Libraries Catalog**



[Search](#) [Clear](#)


Search in database: **TLCat** 
OCLC catalog of transportation-related books and other materials held in government, university and other transportation libraries


Limit to: **All Transportation Libraries** 


Search for: **context sensitive design** **Keyword** 




and  **Keyword** 

and  **Keyword** 

Year  (format: YYYY-YYYY)

Limit to: Language **No Limit**  [Show all languages ...](#)

Number of Libraries **All** 

☐  Books ☐  Serial Publications ☐  Articles

Session timeout: 14:49

Start Janet Bix - Inbox - Lotus... ProQuest Information an... FirstSearch: Transpor... Microsoft PowerPoint - [...]

Internet 11:05 AM

FirstSearch: Transportation Libraries Catalog List of Records - Microsoft Internet Explorer provided by DDOT















File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://firstsearch.odc.org/WebZ/FSQUERY?format=BI:next=html/records.html:bad=html/records.html:numrecs=10:sessionid=fsapp4-35511-ex3dqpdr-k7winj:entitypagen> Go Links

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Y! Search Web Mail My Yahoo! HotJobs Music Answers Personals

- ☐ 2.  [The Paris-Lexington road : community-based planning and context sensitive highway design /](#)
Author: Schneider, Krista L. Publication: Washington, DC : Island Press, 2003
Document: English : Book  Internet Resource
[Libraries: All Transportation Libraries: 4 Worldwide: 125](#)
More Like This: [Search for versions with same title and author](#) | [Advanced options ...](#)
 [See more details for locating this item](#)
- ☐ 3.  [A guide to best practices for achieving context sensitive solutions /](#)
Author: Neuman, Timothy R.; Forbes, Don. Publication: Washington, D.C. : Transportation Research Board, 2002
Document: English : Book  Computer File
[Libraries: All Transportation Libraries: 19 Worldwide: 118](#)  Ohio Dept. of Transportation
More Like This: [Search for versions with same title and author](#) | [Advanced options ...](#)
 [See more details for locating this item](#)
- ☐ 4.  [Highway facility design.](#)
Publication: Washington, D.C. : Transportation Research Board, National Academy of Sciences, 2005
Document: English : Book
[Libraries: All Transportation Libraries: 17 Worldwide: 83](#)  Ohio Dept. of Transportation
More Like This: [Advanced options ...](#)
 [See more details for locating this item](#)
- ☐ 5.  [Report to Governor Rod R. Blagojevich and the General Assembly of Illinois regarding context sensitive solutions.](#)
Corp Author: Illinois., Dept. of Transportation.
Publication: Chicago, Ill. : Illinois Dept. of Transportation, 2004
Document: English : Book
[Libraries: All Transportation Libraries: 1 Worldwide: 19](#)
More Like This: [Advanced options ...](#)
 [See more details for locating this item](#)
- ☐ 6.  [Getting it right in the right-of-way : citizen participation in context-sensitive highway design /](#)
Author: Myerson, Deborah L.
Publication: Washington D.C. : Scenic America, 2000
Document: English : Book
[Libraries: All Transportation Libraries: 2 Worldwide: 16](#)
More Like This: [Search for versions with same title and author](#) | [Advanced options ...](#)
 [See more details for locating this item](#)

Session timeout: 13:37

Start Janet Bix - Inbox - Lotus... Microsoft PowerPoint - [...] FirstSearch: Transpor...

Internet 11:11 AM

New Search

FirstSearch: Transportation Libraries Catalog Advanced Search - Microsoft Internet Explorer provided by ODDT

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://firstsearch.oclc.org/WebZ/FSQUERY?format=BI&next=html/records.html&bad=html/records.html&numrecs=10&sessionid=fsapp4-37622-ex3epy23-kb245a:entitypage> Go Links

msn Search Highlight Options Pop-ups Allowed Hotmail Messenger My MSN

Y! Search Web Mail My Yahoo! HotJobs Music Answers Personals

Transportation Libraries Catalog

Ohio Dept. of Transportation

[MTKN Website](#) | [National Transp. Library](#) | [TRIS Online](#)

Transportation Libraries Catalog Advanced Search

Enter search terms in one or more boxes and click on Search.

Home Databases **Searching** Results

Staff View | My Account | Options | Comments | Exit | Hide tips

Basic Search **Advanced Search** Expert Search Previous Searches Go to page

Subjects News ? Help Current database: Transportation Libraries Catalog

Search Clear

Search in database: **TLCat** OCLC catalog of transportation-related books and other materials held in government, university and other transportation libraries
Limit to: Libraries Worldwide

Search for: Keyword

Keyword

Keyword

Year (format: YYYY-YYYY)

Limit to: Language [Show all languages ...](#)

Number of Libraries

☐ Books ☐ Serial Publications ☐ Articles

Session timeout: 14:51

Start Janet Bix - Inbox - L... FirstSearch: Transpo... FirstSearch: Trans... X:\TRB07TLCatprese... Microsoft PowerPoin... 12:02 PM

FirstSearch: Transportation Libraries Catalog List of Records - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://firstsearch.odc.org/WebZ/F5QUERY?format=BI:next=html/records.html:bad=html/records.html:numrecs=10:sessionId=fsapp13-41644-ex4lms8k-ixm7ih:entitypager> Go Links

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Y! Search Web Mail My Yahoo! HotJobs Music Answers Personals

List of Records Detailed Record Marked Records Saved Records Go to page

Sort Related Subjects Related Authors Limit E-mail Print Export Help











Transportation Libraries Catalog results for: (((kw: dowel and kw: bar?)) and kw: retrofit?) and ((kw: load and kw: transfer?)). Searched in: Libraries Worldwide (Save Search)

Records found: 9 Rank by: Number of Libraries Search in: All Transportation Libraries

Prev 1 Next Search in: Libraries Worldwide Select

All 9 Books 7 Visual 1 Computer 1

Limit results: Any Audience Any Content Any Format Search

- ☐ 1.  [Evaluation of precast patches on U.S. 60 near the New Kent and James City County line /](#)
Author: Hossain, Shabbir.; Ozyildirim, H. Celik; Tate, Thomas R. Publication: Charlottesville, Va. : Virginia Transportation Research Council, 2006
Document: English : Book  Internet Resource
Libraries: Worldwide: 18  Ohio Dept. of Transportation
[More Like This: Search for versions with same title and author | Advanced options ...](#)
 [See more details for locating this item](#)
- ☐ 2.  [Dowel bar retrofit for load transfer : final report : projects IM-6-029\(022\)186 & IM-8-029\(003\)022 /](#)
Author: Dunn, Curt.; Fuchs, Bryon.
Publication: Bismarck, N.D. : North Dakota Dept. of Transportation, Materials and Research Division, 2001
Document: English : Book
Libraries: Worldwide: 6
[More Like This: Search for versions with same title and author | Advanced options ...](#)
 [See more details for locating this item](#)
- ☐ 3.  [Fit to be tied retrofitting PCC pavement with dowel bars /](#)
Publication: 1990s
Document: English : Visual Material : Videorecording : Partial animation :  VHS tape
Libraries: Worldwide: 5  Ohio Dept. of Transportation
[More Like This: Advanced options ...](#)
 [See more details for locating this item](#)

Session timeout: 14:32 Internet

Start Janet Bix - Inbox - Lotus... National Transportation ... FirstSearch: Transpor... Microsoft PowerPoint - [...]

7:50 AM

New Search

FirstSearch: Transportation Libraries Catalog Advanced Search - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://firstsearch.odc.org/WebZ/LogDbChange?next=SourceSelRoute:bad=error/badsearch.html:sessionId=fsapp9-49198-ex4py2kf-t4yx4j;entitypagenum=3:0:dbchoice=> Go Links

MSN Search Highlight Options Pop-ups Allowed Hotmail Messenger My MSN

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Home Databases Searching Start View My Account Options Comments Exit Hide tips

Basic Search Advanced Search Expert Search Previous Searches Go to page

Subjects News Help Current database: Transportation Libraries Catalog

Search Clear

Search in database: TLCat
 DCLC catalog of transportation-related books and other materials held in government, university and other transportation libraries

Limit to: Libraries Worldwide

Search for: highway? or pavement? Keyword
 and maintenance Keyword
 and (outsourcing or contracting out) Keyword

Year 2000-2007 (format: YYYY-YYYY)
 Limit to: Language No Limit Show all languages ...
 Number of Libraries All

Limit type to: match any of the following
 ☐ Books ☐ Serial Publications ☐ Articles
 ☐ Visual Materials ☐ Sound Recordings ☐ Musical Scores
 ☐ Computer Files ☐ Archival Materials ☐ Maps
 ☐ Internet Resources ☐ Continually Updated Resources

Subtype limits Any Audience Any Content Any Format

Limit availability ☐ Items in my library (ODOT, Ohio Dept. of Transportation)

Session timeout: 14:44

Start Janet Bix - Inbox - Lotus... X:\TRB07TLCatpresentat... Microsoft PowerPoint - [...] FirstSearch: Transpor...

Internet 9:40 AM

FirstSearch: Transportation Libraries Catalog List of Records - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://firstsearch.odc.org/WebZ/F5QUERY?format=BI&next=html/records.html&bad=html/records.html&numrecs=10&sessionid=fsapp13-41644-ex4lms8k-ixm7lh:entitypager> Go Links

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Libraries: [Worldwide: 8](#) [Ohio Dept. of Transportation](#)
[More Like This:](#) Search for versions with same title and author | [Advanced options ...](#)
[See more details for locating this item](#)

7. [Maintenance of the provincial highway system \(Section 3.14, 2004 Annual report of the Provincial Auditor\)](#)
Corp Author: Ontario., Legislative Assembly., Standing Committee on Public Accounts.
Publication: Toronto : Legislative Assembly of Ontario, Standing Committee on Public Accounts, 2005
Document: English : Book
[Libraries: Worldwide: 8](#)
[More Like This:](#) [Advanced options ...](#)
[See more details for locating this item](#)

8. [Draft warranty specifications /](#)
Author: Anderson, Stuart D.
Publication: College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 2003
Document: English : Book
[Libraries: Worldwide: 8](#)
[More Like This:](#) Search for versions with same title and author | [Advanced options ...](#)
[See more details for locating this item](#)

9. [Provincial highway maintenance \(Section 3.14 1999 Annual report of the Provincial Auditor\) /](#)
Corp Author: Ontario., Legislative Assembly., Standing Committee on Public Accounts.
Publication: [Toronto] : Legislative Assembly of Ontario, Standing Committee on Public Accounts, 2000
Document: English : Book
[Libraries: Worldwide: 6](#)
[More Like This:](#) [Advanced options ...](#)
[See more details for locating this item](#)

10. [Outsourcing versus in-house highway maintenance : cost comparison and decision factors /](#)
Author: Dlesk, Ryan Joseph.
Publication: [Clemson, SC] : Dept. of Civil Engineering, Clemson University ; [Springfield, VA : National Technical Information Service, 2006-04
Document: English : Book
[Libraries: Worldwide: 5](#)
[More Like This:](#) Search for versions with same title and author | [Advanced options ...](#)
[See more details for locating this item](#)

Session timeout: 13:01

Start Janet Bix - Inbox - Lotus... National Transportation ... FirstSearch: Transpor... Microsoft PowerPoint - [...]

Internet 7:58 AM

Access Method

- Show resources that can be accessed through a specific website
- Choose advanced search
- Select a website with no punctuation
- Select Access Method

FirstSearch: WorldCat Advanced Search - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Address <http://firstsearch.odc.org/WebZ/FSPage?pagename=advanced;sessionId=fsapp4-35511-ex3gld84-pcp9mq;entitypagenum=24:1> Go Links

msn Search Highlight Options Pop-ups Allowed Hotmail Messenger My MSN

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Transportation Libraries Catalog

Ohio Dept. of Transportation

[MTKN Website](#) | [National Transp. Library](#) | [TRIS Online](#)

WorldCat Advanced Search

- Enter search terms in one or more boxes and click on Search.
- WorldCat Hot Topics: Select a topic to search: ?

Home Databases Searching Results Staff View My Account Options Comments Exit Hide tips

Basic Search Advanced Search Expert Search Previous Searches Go to page

Subjects News Help Current database: WorldCat WorldCat

Search Clear

Search in database: WorldCat (Updated: 2007-01-18)
OCLC catalog of books and other materials in libraries worldwide

Search for: pavement? Keyword

and fhwa dot gov Access Method

and Keyword

Year (format: YYYY-YYYY)

Limit to: Language No Limit Show all languages ...

Number of Libraries All

Limit type to: ☐ Books ☐ Serial Publications ☐ Articles ☐ Visual Materials ☐ Sound Recordings ☐ Musical Scores

Session timeout: 15:00

Start Janet Bix - Inbox - Lotus... FirstSearch: WorldCat... Microsoft PowerPoint - [...]

Internet 12:53 PM

FirstSearch: WorldCat List of Records - Microsoft Internet Explorer provided by ODOT

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://firstsearch.oclc.org/WebZ/FSQUERY?format=BI&next=html/records.html&bad=html/records.html&numrecs=10&sessionid=fsapp4-35511-ex3gld84-pcp9mq:entitypage1> Go Links

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Transportation Libraries Catalog

Ohio Dept. of Transportation

[MTKN Website](#) | [National Transp. Library](#) | [TRIS Online](#)

WorldCat List of Records

- Click on a title to see the detailed record.
- Click on a checkbox to mark a record to be e-mailed or printed in Marked Records.
- WorldCat Hot Topics: Select a topic to search: ?

Home Databases Searching Results Staff View My Account Options Comments Exit Hide tips

List of Records Detailed Record Marked Records Saved Records Go to page

Sort Related Subjects Related Authors Limit E-mail Print Export Help

WorldCat results for: kw: pavement? and ((am: fhwa and am: dot and am: gov)).
(Save Search)
Records found: 38 Rank by: Number of Libraries

Prev 1 Next

All 38 Books 35 Internet 3

- ☐ 1. [Pavement preservation technology in France, South Africa, and Australia /](#)
Author: Beatty, Tommy L.
Publication: Washington, D.C. : U.S. Dept. of Transportation, Federal Highway Administration, Office of International Programs, 2002
Document: English : Book
Libraries Worldwide: 32 Ohio Dept. of Transportation
More Like This: [Search for versions with same title and author](#) | [Advanced options ...](#)
☐ See more details for locating this item
- ☐ 2. [Guide for curing of portland cement concrete pavements /](#)
Author: Poole, Toy S. Publication: McLean, Va. : Federal Highway Administration, 2005
Document: English : Book Internet Resource
Libraries Worldwide: 27 Ohio Dept. of Transportation
More Like This: [Search for versions with same title and author](#) | [Advanced options ...](#)
☐ See more details for locating this item

Session timeout: 14:52

Start Janet Bix - Inbox - Lotus... FirstSearch: WorldCat... Microsoft PowerPoint - [...]

Internet 12:52 PM

Advantages

- **Guest login** is available on the Internet at <http://ntl.bts.gov> or <http://www.mtkn.org>
- A growing number of items are linked to **full-text** publications via the Internet
- Most resources are **available for loan** within the network
- Consistently & reliably **indexed**

TLCat encourages innovation

- Provides access to state-of-the-art reports
- Best practices
- Research from the State DOTs, universities and federal government
- Access to existing research decreases duplication



Transportation Website Search Engines

Michel Wendt, Librarian at the Washington State DOT put together a State DOT website search engine using [Google Co-op](#).

Other transportation librarians have collaborated to create several custom search engines

Search:

- [State DOTs](#)
- [Transit agencies](#)
- [University transportation centers](#)
- [LTAP & TTAP Centers](#)
- and more!

State DOT website search engine

<http://www.google.com/coop/cse?cx=006511338351663161139%3Acnk1qdck0dc>

- Search the websites of the Departments of Transportation from the fifty United States and the District of Columbia

University Transportation Center website search engine

<http://www.google.com/coop/cse?cx=010809592348763093458:3jsikrwi874>

- Search transportation research located on university transportation center websites, including the U.S. Department of Transportation Research & Innovative Technology Administration's University Transportation Center (UTC) Program and the Council of University Transportation Centers (CUTC).

Public Transit Agencies website search engine

<http://www.google.com/coop/cse?cx=012995479145342077058%3Aipxox2lxkha>

- Meta search across all major transit agency and transit related organization websites for fares, routes, data, reports, research, press releases, budgets, policies, programs, and other transit industry information. Related custom search engines are linked below.

MPO search engine

<http://www.google.com/coop/cse?cx=006511338351663161139%3Aktu1nltiojg>

- Search the websites of metropolitan planning organizations. Sites included in this search were taken from the AMPO membership list
- (<http://www.ampo.org/directory/index.php>)

State Public Utilities Commissions website search engine

<http://www.google.com/coop/cse?cx=004890854172713559008%3A3vjc7enw1du>

- Websites of state public utilities commissions, plus NARUC

LTAP Center search engine

<http://www.google.com/coop/cse?cx=010809592348763093458%3Ar3i0biypw1u>

- Search all 58 LTAP and TTAP Center websites

National Transportation Library

National Transportation Library - Microsoft Internet Explorer provided by ODOT


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- Library Resources
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- Ask-A-Librarian
- Frequently Asked Questions

Quick Links

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-  **TRIS Online**
-  **TLCat**
-  **Transportation Research Thesaurus**
-  **TranStats**
-  **Rural and Agricultural Transportation: Data & Information Resources**

Welcome to the National Transportation Library, a virtual library for the transportation community.

NEW State DOTs Google Search

Search the websites of the Departments of Transportation from the fifty United States and the District of Columbia.

Integrated Search

New search interface with the ability to search **TRIS Online** and the **NTL Digital Collection** simultaneously.

Library Resources

- Technical, research and policy documents.
- Links to government and other significant websites and documents.
- Books, technical reports, conference proceedings, journal articles and on-going research in the field of transportation
- Current or recently completed transportation research projects
- Intermodal transportation data sets

Internet

State DOTs - Microsoft Internet Explorer provided by ODOT


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- [Freight: Truck, Air, Rail, Pipeline](#)
- [Highways & Bridges](#)
- [Laws & Regulations \(incl. drug/alcohol testing\)](#)
- [Safety &](#)

NTL FAQ *Frequently Asked Questions*

State DOTs

WSDOT Library's State DOT Search Engine

Google Custom Search

Search the websites of the Departments of Transportation from the fifty United States and the District of Columbia.

- [Alabama Department of Transportation \(ALDOT\)](#)
- [Alaska Department of Transportation \(ADOT\)](#)
- [Arizona Department of Transportation \(ADOT\)](#)
- [Arkansas State Highway and Transportation Department \(AHTD\)](#)
- [California Department of Transportation \(Caltrans\)](#)
- [Colorado Department of Transportation \(CDOT\)](#)
- [Connecticut Department of Transportation \(ConnDOT\)](#)
- [Delaware Department of Transportation \(DelDOT\)](#)
- [District Department of Transportation \(DDOT\)](#)
- [Florida Department of Transportation \(FDOT\)](#)
- [Georgia Department of Transportation \(GDOT\)](#)
- [Hawaii Department of Transportation \(HDOT\)](#)
- [Idaho Department of Transportation \(ITD\)](#)
- [Illinois Department of Transportation \(IDOT\)](#)
- [Indiana Department of Transportation \(INDOT\)](#)

Start Updated NTL FAQ's with ... State DOTs - Microsof... Internet 9:57 AM

University Transportation Centers (UTC) - Microsoft Internet Explorer provided by ODOT


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Address <http://ntl.bts.gov/faq/utc.html> Go Links

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- [Highways & Bridges](#)
- [Laws & Regulations \(incl. drug/alcohol testing\)](#)
- [Safety &](#)

NTL FAQ Frequently Asked Questions

University Transportation Centers (UTC)

The Research & Innovative Technology Administration (RITA)'s University Transportation Center (UTC) Program home page:
<http://utc.dot.gov/>

University Transportation Centers search engine created by the Center for Transportation Studies, U of MN and powered by Google. It searches for transportation research located on university transportation center Web sites, including RITA's University Transportation Center (UTC) Program and the Council of University Transportation Centers (CUTC):
<http://www.google.com/coop/cse?cx=010809592348763093458:3isikrwi874>

If the FAQs above or the links on the left to **DOT Areas & Services** don't lead you to the answer to your question:

- you can search all DOT web pages using the [DOT Search Engine](#)
- you can submit your question by e-mailing librarian@bts.gov

Internet

Public Transit Agencies (PTA) - Microsoft Internet Explorer provided by ODOT


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Back Search Favorites

Address <http://ntl.bts.gov/faq/pta.html> Go Links

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NTL FAQ Frequently Asked Questions

Public Transit Agencies (PTA)

Public Transit Agencies search engine created by Matthew Barrett of the Los Angeles County Metropolitan Transportation Authority Library & Archive and powered by Google. It searches across all major transit agency and transit related organization websites for fares, routes, data, reports, research, press releases, budgets, policies, programs, and other transit industry information.
<http://www.google.com/coop/cse?cx=012995479145342077058%3Aipxox2lxkha>

If the FAQs above or the links on the left to **DOT Areas & Services** don't lead you to the answer to your question:

- you can search all DOT web pages using the [DOT Search Engine](#)
- you can submit your question by e-mailing librarian@bts.gov

Internet

