

**Electronic Resources in Transportation:
There are Lots of Signs on the
Information Superhighway but
Where is the Information I
Really Need*? *without hitting a lot of roadblocks
and detours**

Bonnie Osif

Penn State

bao2@psu.edu

Overview

- **Electronic Resources**
 - Databases
 - Search Engines
 - Gateways
- **Tools to help you locate information and resources**
 - RSS
 - Blogs, etc.

Fee Databases

- **Compendex**
- **NTIS**
- **TRIS*** (also available for free through the NTL)
- **ITRD**
- **Web of Science**

Database Services

- **Advanced Searching**
- **Full text**
- **Ordering options**
- **Alerts**
- **RSS**
- **Search assistance**

Compendex



[Abstract](#) - [Detailed](#) - [Full-text](#)

[Blog This](#) [E-Mail](#) [Print](#) [Download](#) [Save to Folder](#)

Record 5 from Compendex for: (((transportation infrastructure) WN KY) AND ((bridge) WN All fields)), 1884-2008

Check record to add to Selected Records

5. **Accession number:** 075010971078

Title: A decision support system for concrete bridge deck maintenance

Authors: [Yehia, Sherif](#); [Abudayyeh, Osama](#); [Fazal, Imran](#); [Randolph, Dennis](#)

Author affiliation: Civil and Construction Engineering, Western Michigan University, Kalamazoo, MI 49008-5316, United States

Serial title: Advances in Engineering Software

Abbreviated serial title: Adv Eng Software

Volume: v 39

Issue: n 3

Issue date: March 2008

Publication year: 2008

Pages: p 202-210

Language: English

ISSN: [0965-9978](#)

CODEN: [AESODT](#)

Document type: Journal article (JA)

Publisher: Elsevier Ltd, Oxford, OX5 1GB, United Kingdom

Abstract: Innovations in the area of **transportation infrastructure** maintenance and rehabilitation are keys to the health and wellness of this valuable national asset. A major component of maintenance and rehabilitation is the ability to accurately assess the condition of the **transportation infrastructure** and to provide appropriate mitigation strategies. This can be accomplished in part by using decision support systems that provide accurate and detailed information about repair materials and methods. In this paper, an extensive literature review,



Add a tag ?

Public

[del.icio.us](#)

Free Databases

- **TRIS** (ntl.bts.gov)
- **Google Scholar*** (scholar.google.com)
- **DoE Information Bridge**
(<http://www.osti.gov/bridge/>)
- **Civil Engineering Database**
(cedb.asce.org)
- **TLCat** (ntl.bts.gov)
- **Specialized Google Meta Search Engines***



Transportation Meta Search

Google™ Custom Search

Creator



Name: WSDOT Library
Member since: Dec 19, 2006



Contributors [\[Volunteer to contribute\]](#)



Jim Olive...



Anonymous



Stephen C...



Anonymous



Anonymous



Anonymous



Claes Eri...



Anonymous



Jim Byerl...



Maggie Sa...

Search engine details

Quality Transportation-Related Websites for Transportation Professionals

To search only state Departments of Transportation, try:
<http://www.google.com/coop/cse?cx=006511338351663161139%3Ac>

To search public transit agencies, try:
<http://www.google.com/coop/cse?cx=012995479145342077058%3Aip>

searches 971 sites, including: <https://www.nysdot.gov/>,
<http://www.nmshhd.state.nm.us/>, <http://www.panynj.com/>,
<http://www.state.nj.us/transportation/>, <http://www.nh.gov/dot/>

Keywords: transportation, roads, highways, rail, aviation, transit, "public transportation", bridges

Last updated: Apr 18, 2008
Add this search engine to your [Google homepage](#): 
[Add this search engine to your blog or webpage »](#)

Full text Resources

- **Transportation Statistics**
(www.bts.gov)
- **Bibliographies** (ntl.bts.gov,
dotlibrary.dot.gov)
- **Federal laws** (<http://thomas.loc.gov/>)
- **Fee based services**

For additional resources see

www.libraries.psu.edu/eng/

[webinar.html](http://www.libraries.psu.edu/eng/webinar.html)

Web “Layers”

Surface
Web

Links are found by search engine spiders “traditional web”

Deep
Web

Dynamic pages, not open to spidering

Private Web

General Search Engines

- www.google.com (1)
- www.yahoo.com (2)
- <http://www.msn.com/> (4)
- www.ask.com (8)
- scholar.google.com

(indicates December 2007 ranking in use statistics from
<http://www.comscore.com/press/release.asp?press=2018>)



[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)

bridge "nondestructive evaluation"

[Advanced Scholar Search](#)
[Scholar Preferences](#)
[Scholar Help](#)

Scholar [All articles](#) - [Recent articles](#)

Results 1 - 10 of about 3,650 for [bridge "nondestructive evaluation"](#). (0.33 sec)

[CITATION] **Nondestructive evaluation** for **bridge** management in the next century - [Get it! @ Penn State](#)
SB Chae, G Washer - *Public Roads*, 1997
[Cited by 38](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Vibration Testing for Nondestructive Evaluation of Bridges. II: Results](#) - [Get it! @ Penn State](#) - [all 10 versions »](#)
MM Samman, M Biswas - *Journal of Structural Engineering*, 1994 - [pubs.asce.org](#)
... Vibration Testing for **Nondestructive Evaluation** of Bridges. ... used to detect the presence of simulated cracks in the girders of a laboratory-size **bridge** as well ...
[Cited by 34](#) - [Related Articles](#) - [Cached](#) - [Web Search](#) - [BL Direct](#)

[Lamb wave reflection for the quick nondestructive evaluation of large composite laminates](#) - [all 5 versions »](#)
N Guo, P Cawley - *Materials Evaluation*, 1994 - [osti.gov](#)
For a journal article, please see the Resource Relation field. Title, Lamb wave reflection for the quick **nondestructive evaluation** of large composite laminates. ...
[Cited by 58](#) - [Related Articles](#) - [Cached](#) - [Web Search](#) - [BL Direct](#)

[Integration of Bridge Management Systems and Nondestructive Evaluations](#) - [Get it! @ Penn State](#) - [all 5 versions »](#)
G Hearn, H Shim - *Journal of Infrastructure Systems*, 1998 - [pubs.asce.org](#)
... Document type: Journal Paper. Abstract: A basis for the direct use of data from **nondestructive evaluation** methods in **bridge** management systems is presented. ...
[Cited by 12](#) - [Related Articles](#) - [Cached](#) - [Web Search](#) - [BL Direct](#)

[BOOK] [Nondestructive Evaluation: A Tool in Design, Manufacturing, and Service](#) - [all 2 versions »](#)
DE Bray, RK Stanley - 1997 - [books.google.com](#)
... Bray, Don E. **Nondestructive evaluation** : a tool in design, manufacturing, and service
Revised Edition / Don E. Bray and Roderic K. Stanley. p. cm. ...

Metasearch Engines

- www.dogpile.com
- www.clusty.com
- www.mamma.com
- www.surfwax.com
- www.kartoo.com



KartOO

Web

Images

Videos

Wikipedia

nondestructive evaluation bridges

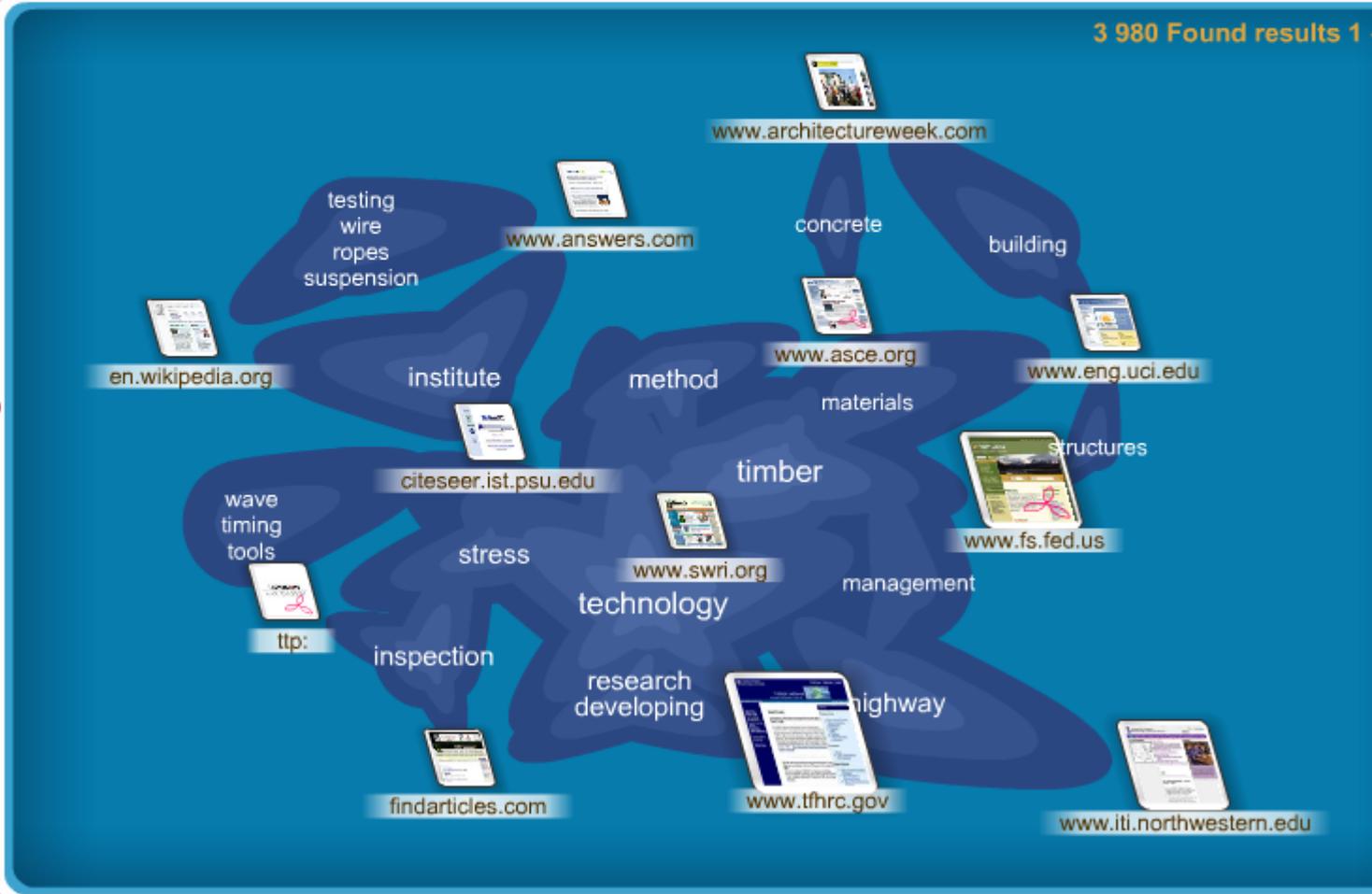
Search

help

Topics :

- bridge management
- highway bridges
- timber bridges
- evaluation tools
- nondestructive evaluation
- manual for condition eval
- failure investigation
- lasting bridges
- management
- technology
- highway
- research
- developing
- timber
- structures
- inspection
- stress

3 980 Found results 1 -



Deep Web Searching

- www.completeplanet.com
- turbo10.com
- directory.google.com
- www.scirus.com

For more information see -

<http://websearch.about.com/od/invisibleweb/a/invisibleweb.htm>

Sample Page - Scirus

1-10 of 239 hits for **keyword:nondestructive AND keyword:evaluation (keyword:bridge*)**

[Email](#), [Save](#) or [Export](#) checked results Sort by: Relevance Date

Filter search results by

Content sources

Journal sources (37)

- ScienceDirect (35)
- Scitation (2)

Preferred web (7)

- Digital Archives (3)
- NDLTD (2)
- MIT OpenCourseWare (1)

[more ▾](#)

Other web (195)

File types

- HTML (214)
- PDF (59)
- PPT (1)

[more ▾](#)

Refine your search

- nondestructive evaluation
- concrete bridge
- bridge decks
- highway bridges
- civil engineering
- concrete structures
- ultrasonic
- non-destructive testing
- eddy current
- bridge structures

[more ▾](#)

- 1. [NDE Center Home \[9K\]](#)**
Aug 2007
The Federal Highway Administration (FHWA) Nondestructive Evaluation (NDE) was established by the Federal Highway Administration in 1998. The objective of the FHWA NDE Center is to improve the state of the practice for highway bridge inspection.
[<http://www.tfsrc.gov/hnr20/nde/home.htm>]
[more hits from](#) [<http://www.tfsrc.gov>]
[similar results](#) 
- 2. [Application of digital infrared thermography for nondestructive evaluation of composite bridge components](#)**
Vasudevan, Archana. , Jan 2004
Thesis (M.S.)--West Virginia University, 2004. Title from document title page. Document formatted into pages; contains ix, 217 p. : ill. (some col.), col. maps. Includes abstract. Includes bibliographical references (p. 213-217).
Full text thesis available via NDLTD (OCLC) 
[similar results](#)
- 3. [A comparison of nondestructive evaluation methods for bridge deck assessment](#)**
Scott, M. / Rezaizadeh, A. / Delahaza, A. / Santos, C.G. / Moore, M. / Graybeal, B. / Washer, G. , *NDT and E International*, 36 (4), p.245-255, Jun 2003
Concrete bridge deck deterioration is a significant problem that must be addressed to preserve highway infrastructure investments in bridges around the world. Reducing the cost of bridge deck maintenance is critical to government and...
Published journal article available from  ScienceDirect 
[similar results](#)
- 4. [Nondestructive Evaluation of Double Bevel T-Joint by Tandem Array Ultrasonic Transducer](#)**
H. Shirahata / C. Miki / R. Yamaguchi , *AIP Conference Proceedings*, Apr 2003
doi:10.1063/1.1570264
The double bevel T-joint is one of the most fundamental joints of steel bridges. Double bevel T-joint can be seen at beam-column connection of

[Particle characterization](#)
Dispersion characterization with Particlesizing and Zeta-Potential
www.partikel-analytik.de

[Buy NDT Products & Probes](#)
Thickness Gages, Transducers, Flaw Detectors & More. Order Today!
www.olympusNDT.com

[Non-Destructive Test](#)
X-Ray, Ultrasonic, Magnetic, Vibe, Analytical, Optical, UV, Chambers
www.TPGIndustries.com

Sponsored links

Gateways – a short list

- **TRB** (www.trb.org)
- **NTL** (ntl.bts.gov)
- **Minnesota Dept. of Transportation**
(<http://www.dot.state.mn.us/library/>)
- **Thomas** (thomas.loc.gov)
- **Science.gov** (www.science.gov)



New Library Materials Replaces Recent Acquisitions

[Click here for help from library staff.](#)

Find Information:

In the Library

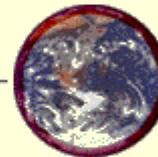


- [Ask A Librarian](#)
- [Mn/DOT Library Catalog](#)
- [Magazines and Journals](#)
- [Videotape Catalog](#)
- [New Library Materials](#)
- [Search Library's Web Pages](#)



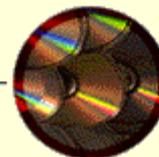
- Transportation Libraries Catalog

On the Web



- [Transportation Resources](#)
- [Transportation Website Search Engines](#)
- [Standards and Specifications](#)
- [Statistical Information](#)
- [Laws, Regulations, & Statutes](#)
- [Maps and Geography](#)
- [Associations](#)
- [State DOT Libraries](#)
- [General Information and Reference](#)

Electronic Documents & Databases



- [Databases](#)
- [Electronic Documents](#)
- [Electronic Library For Minnesota](#)

About the Library



- [Location & Contact Info.](#)
- [Services](#)
- [Collection](#)

Mn/DOT Library

- [Search Our Catalog](#)
- [Search Our Website](#)
- [Ask A Librarian](#)
- HOME**
- [About Us](#)
- [Site Map](#)
- [Request Materials](#)
- [Your Library](#)
- [Barcode](#)
- [Librarians In](#)
- [The News](#)
- [Feedback](#)



Help

Mn/DOT Home

- [FAQ](#)
- [Site Map](#)
- [Search](#)
- [Info@DOT](#)



NEW TOOLS YOU CAN USE



Transportation Meta Search

Google Custom Search

Creator



Name: WSDOT Library
Member since: Dec 19, 2006

Contributors [\[Volunteer to contribute\]](#)



Jim Olive...



Anonymous



Stephen
C...



Anonymous



Anonymous



Anonymous



Claes Eri...



Anonymous



Jim Byerl...



Maggie
Sa...

Search engine details

Quality Transportation-Related Websites for Transportation Professionals

To search only state Departments of Transportation, try:

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

To search public transit agencies, try:

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

searches 971 sites, including: <https://www.nysdot.gov/>,
<http://www.nmshtd.state.nm.us/>, <http://www.panynj.com/>,
<http://www.state.nj.us/transportation/>, <http://www.nh.gov/dot/>

Keywords: transportation, roads, highways, rail, aviation, transit, "public transportation", bridges

Last updated: Apr 18, 2008

Add this search engine to your [Google homepage:](#)

[Add this search engine to your blog or webpage »](#)

Updated 11:00 AM EDT, April 21, 2008

Welcome to the National Transportation Library!

Bureau of Transportation Statistics

Intelligent Transportation Systems

National Transportation Library

NTL Integrated Search

Networking Activities

Information Resources and Tools

Frequently Asked Questions

About the NTL

Ask-a-Librarian

Research, Development and Technology

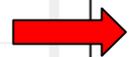
Transportation Safety Institute

University Transportation Centers

Volpe National Transportation Systems Center

Networking Activities

- [Regional Transportation Knowledge Networks](#)
- [Transportation Librarians Roundtable](#)
- [Custom Google Transportation Related Searches](#)
- [TRB Special Report 284: Transportation knowledge networks : a management strategy for the 21st century](#) [More >>](#)



Information Resources and Tools

- [Services for DOT Employees](#)
- [Transportation Research Thesaurus](#)
- [Sources of Transportation Information - topical bibliographies](#)
- [Rural and Agricultural Transportation Resources](#)
- [Transportation Dictionaries](#) [More >>](#)
 - [Libraries](#)
 - [Associations](#)
 - [State DOTs](#)
- [Transportation Statistics](#)
- [Legislative and Regulatory Resources](#)
- [Historian's Home Page](#)



Quick Links

- [NTL Integrated Search](#)
- [TRISOnline](#)
- [TLCat](#)
- [Headquarters Catalog](#)
- [Online Digital Special Collections](#)
- [Search/Browse our FAQs](#)

Spotlights

JUST OUT. 38 early Eno Transportation Foundation publications now available in NTL Digital repository. [View Eno Documents >>](#)

Searching

Results

Staff View | My Account | Options | Comments | Exit | Hid

List of Records Detailed Record Marked Records Go to page

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

Transportation Libraries Catalog results for: kw: pavements and yr: 2008. Searched in: All Transportation Libraries [\(Save Search\)](#)
 Records found: 24 (English: 22) Rank by: Number of Libraries



1 Search in: All Transportation Libraries

All 24 | Books 21 | Internet 2 | Computer 1

Limit results: Any Audience | Any Content | Any Format

1.

Remote sensing of impervious surfaces /

Author: Weng, Qihao. Publication: Boca Raton : CRC Press, 2008
 Document: English : Book

Libraries: All Transportation Libraries: 1 Worldwide: 71



More Like This: [Search for versions with same title and author](#) | [Advanced options ...](#)
[See more details for locating this item](#)

2.

Pavement design and materials /

Author: Papagiannakis, A. T.; Masad, Eyad. Publication: Hoboken, N.J. : John Wiley, 2008
 Document: English : Book

Libraries: All Transportation Libraries: 1 Worldwide: 59

More Like This: [Search for versions with same title and author](#) | [Advanced options ...](#)
[See more details for locating this item](#)

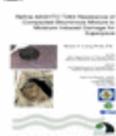
3.

Refine AASHTO T283 resistance of compacted bituminous mixture to moisture induced damage for Superpave /

Author: Liang, Robert Y. Publication: Akron, OH : Ohio Dept. of Transportation ; Springfield, VA : Available through the National Technical Information Service, 2008
 Document: English : Book

Libraries: All Transportation Libraries: 5 Worldwide: 9

More Like This: [Search for versions with same title and author](#) | [Advanced options ...](#)
[See more details for locating this item](#)




[Search the Catalog](#)
[RIDER Databases](#)
[Ask a Librarian](#)
[Contacts](#)
[Services for DOT Employees](#)
[Services for the Public](#)
[About the Library](#)
[Online Digital Special Collections](#)
[DOT Law Libraries](#)
[Putting the DOT Puzzle Together](#)
[Web Resources](#)
[Bibliographies](#)
[Historian's Home Page](#)

[DOT Library Electronic Journal Database](#)

This database gives DOT Employees desktop access to over 3000 full-text electronic journals. You can read a specific issue or consult EbscoHost for multiple articles in your field.

[Transportation Bibliographies](#)

[Hurricane Preparedness and Relief, Studies and Reports, a Bibliography](#)

DOT Librarians have compiled several bibliographies covering a range of issues related to transportation, such as policy, planning, environment, and law. Included is a collection of bibliographies on Aviation Safety and Security.

[Congestion Bibliography](#)

Current web accessible resources related to congestion and transportation policy issues, as well as numerous reports and government documents in the library

[DOT Library and National Transportation Librarian Collaboration](#)

[DOT Library eBook collection via netLibrary](#)

eBooks are electronic books, available at your Desktop when YOU need them, from wherever and whenever! New titles from 2004-2005 have been added. Here are only some of the areas you'll find:

Automotive History

Leadership

Business Writing

Organizational Change

Employee Rights and Handbooks

Project Management

Globalization Economics

Small Business and Contracting

Human Anatomy

Statistics and Theory

IT Management

Transportation Forecasting and Research

Knowledge Management

Work life Wellness



[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)

More Google Products

Search

-  [Alerts](#)
Get email updates on the topics of your choice
-  [Blog Search](#)
Find blogs on your favorite topics
-  [Book Search](#)
Search the full text of books
-  [Checkout](#)
Complete online purchases more quickly and securely
-  [Desktop](#)
Search and personalize your computer
-  [Earth](#)
Explore the world from your computer
-  [Finance](#)
Business info, news, and interactive charts
-  [GOOG-411](#)
Find and connect with businesses from your phone, for free
-  [iGoogle](#)
Add news, games and more to the Google homepage
-  [Images](#)
Search for images on the web

Explore and innovate

-  [Code](#)
Download APIs and open source code
-  [Custom Search](#) ^{New!}
Create a customized search experience for your community
-  [Labs](#)
Explore Google's technology playground

Communicate, show & share

-  [Blogger](#)
Share your life online with a blog -- it's fast, easy, and free
-  [Calendar](#)
Organize your schedule and share events with friends
-  [Docs](#)
Create and share your projects online and access them from anywhere
-  [Gmail](#)
Fast, searchable email with less spam
-  [Groups](#)
Create mailing lists and discussion groups
-  [Orkut](#)



Custom Search Engine

Have a website or collection of sites you'd like to search over? With Custom Search Engine, you can harness the power of Google to create a search engine tailored to your needs.

Create a search engine tailored to your needs

- Include one website, multiple websites, or specific webpages
- Host the search box and results on your own website
- Customize the colors and branding to match your existing webpages
- Learn more with our [featured examples](#), [developer documentation](#), and [FAQs](#)

Create a Custom Search Engine

Or, [manage your existing search engines.](#)

Learn how Custom Search benefits...

- + [Your website, blog, or special interest group](#)
- + [Your business or enterprise](#)
- + [Your non-profit, government, or educational organization](#)

Custom Search Blog

[Labels in Custom Search](#)
By Phil Liao - Mar 27, 2008

[Making the most with AdSense](#)
By Talia Brodecki - Mar 18, 2008

[Custom Search on Google Help Centers](#)
By Christine Moschella - Mar 4, 2008

[Go to the Custom Search Blog »](#)





Create a Custom Search Engine

1. Set up your search engine
2. Try it out

Basic information

Give your search engine a name and provide a brief description.

Search engine name:

for example, Real Climate Search Engine

Search engine description:

for example, Climate Science from Climate Scientists

Specify some keywords that describe the content or subject of your search engine. These keywords are used to tune your search engine results. [+ Learn more](#)

Search engine keywords:

for example, climate "global warming" "greenhouse gases"

Search engine language:

What do you want to search?

- Only sites I select.
- The entire web, but emphasize sites I select.
- The entire web.

Select some sites



Back Forward Reload Stop Home IE Tab Sage

http://www.google.com/coop/manage/cse/create/

Bookmarks Print

Information Today N... UMR Communications... MSNBC.com: Politics NPR Topics: News NPR Topics: Movies USATODAY.com New... CNET News.com Access

Wizz RSS 2.1.9 Feed Search Help etc. Options etc. Watch List Weather

University Libraries WebMail - Web Ma... Create a Custom Search Engine Google Book Search

Select some sites

Specify a list of web sites to search. You'll be able to edit this list and add more sites later. [+ Tips on formatting URLs.](#)

Sites to search:

```
http://ntl.bts.gov/  
http://ntlsearch.bts.gov/tris/index.do?  
http://ntl.bts.gov/link.html  
http://www.worldcat.org/  
http://books.google.com/bkshp?hl=en&tab=
```

List one URL per line

Select an edition

Select the edition you'd like to create. [+ Learn more.](#)

Editions:

- Standard Edition** - Free, ads are required on results pages.
 Do not show ads on results pages (for non-profits, universities, and government agencies only).
- Business Edition** - Starts at \$100 per year, no ads on results pages.

I have read and agree to the [Terms of Service](#).



transportation databases

Google™ Custom Search

Creator [\[Edit your profile\]](#)



Name:
Anonymous
Member since:
Apr 28, 2008

Contributors [\[Manage contributors\]](#)

Sorry, this search engine does not accept volunteers.

There are no other users contributing at this time.

Search engine details [\[Edit this search engine\]](#)

select, free databases for collection development and SDI

searches 5 sites, including: <http://ntl.bts.gov/>,
<http://ntlsearch.bts.gov/tris/index.do?&d=tr>,
<http://ntl.bts.gov/link.html>, <http://www.worldcat.org/>,
<http://books.google.com/bkshp?hl=en&tab=wp>

Keywords: "transportation infrastructure"

Last updated: Apr 28, 2008

Add this search engine to your [Google homepage](#): 
[Add this search engine to your blog or webpage »](#)

Google Custom Search BETA
Search box: bridge deck evaluation
Search button
Radio buttons: transportation databases Web Search

Results 1 - 34 for **bridge deck evaluation**. (0.43 seconds)

[advtech012](#)

Transportation Technology **Evaluation** Center (TTEC) The Germans also are stressing membrane systems to reduce **bridge-deck** deterioration problems. ...

ntl.bts.gov/DOCS/advtech012.html - 156k - [Cached](#)

[PDF] [SMART PARTNERSHIPS](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)
binder and fine, very hard aggregate—to a **bridge deck** section. on I-65 in October 1996. ...

evaluation of the Superpave mixture design and analysis system. ...

ntl.bts.gov/lib/6000/6200/6242/smart.pdf

[PDF] [New IDEAs For Highway Systems An Annual Progress Report of the ...](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)
This project developed and tested an automated **bridge deck** anti- and deicing
formulation of proposed changes in the **bridge evaluation** procedures. ...

ntl.bts.gov/lib/17000/17900/17935/PB2001105286.pdf

[PDF] [FIBER OPTIC SENSORS FOR INFRASTRUCTURE APPLICATIONS](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)
bridge deck damage assessment. (Figure 1.7) **evaluation** once parts have been made,

(3) to form health and damage assessment systems once ...

ntl.bts.gov/lib/10000/10600/10640/fibop.pdf

[Intermodal Surface Transportation Efficiency Act of 1991](#)

In any case where a highway **bridge deck** being replaced or rehabilitated with The study under subsection (a) shall include an **evaluation** of the ...

ntl.bts.gov/DOCS/istea.html - 923k - [Cached](#)



iGoogle™

Advanced Search
Search Preferences
Language Tools

Google Search I'm Feeling Lucky

Live Weather

World Clocks

News from the National Academies

- + [NAS President Delivers Speech on Energy](#)
- + [Norman Neureiter Receives Public Welfare Medal](#)
- + [National Discussion Needed on Antiviral Drug Distribution During a Flu Pandemic](#)

MapQuest Driving Directions

START Street:

City: St: Zip:

END Street:

City: St: Zip:

Get Directions

"How I Lost 55 Pounds"
 Amazing Chinese Weight Loss Secret As Seen On CNN, NBC, CBS, ...

Enter Location

This theme will dynamically change to match your time of day, including local sunrise and sunset times.
 Select a different location:
 Country/Region:

City:

Save Cancel

Doppler Radar with Alerts

transportation databases

Google™ Custom Search

Search

[Create your own Custom Search Engine](#)





Google Alerts (BETA)

Welcome to Google Alerts

Google Alerts are email updates of the latest relevant Google results (web, news, etc.) based on your choice of query or topic.

Some handy uses of Google Alerts include:

- monitoring a developing news story
- keeping current on a competitor or industry
- getting the latest on a celebrity or event
- keeping tabs on your favorite sports teams

Create an alert with the form on the right.

You can also [click here to manage your alerts](#)

Create a Google Alert

Enter the topic you wish to monitor.

Search terms:

Type:

How often:

Your email:

Google will not sell or share your email address.



Google Alerts (BETA)

Welcome to Google Alerts

Google Alerts are email updates of the latest relevant Google results (web, news, etc.) based on your choice of query or topic.

Some handy uses of Google Alerts include:

- monitoring a developing news story
- keeping current on a competitor or industry
- getting the latest on a celebrity or event
- keeping tabs on your favorite sports teams

Create an alert with the form on the right.

You can also [click here to manage your alerts](#)

Create a Google Alert

Enter the topic you wish to monitor.

Search terms:

Type:

How often:

Your email:

Google will not sell or share your email address.



Manage your Alerts

Your Google Alerts

Sending **HTML emails**. [Switch to text](#)

Search terms	Type	How often
<input type="checkbox"/> nondestructive evaluation	Comprehensive	once a day
<input type="button" value="Delete"/>		<input type="button" value="New"/>



Advanced Blog Search

Find posts

with **all** of the words

with the **exact phrase**

with **at least one** of the words

without the words

with these words **in the post title**

10 results

In blogs

with these words **in the blog title**

at this URL

blogs and posts **written by**

By Author

Dates

posts written:

posts written between and

Language

posts written in:

SafeSearch

No filtering Filter using [SafeSearch](#)

[Google Home](#) - [About Google Blog Search](#)



pavements "transportation infrastructure"

Search Blogs

Search the Web

Advanced Blog Search Preferences

Blog Search Results 1 - 10 of about 201 for pavements "transportation infrastructure". (0.32 sec)

Published

- [Last hour](#)
- [Last 12 hours](#)
- [Last day](#)
- [Past week](#)
- [Past month](#)
- Anytime
- [Choose Dates](#)

Subscribe:

- [Blogs Alerts](#)
- [Atom](#) | [RSS](#)

Sorted by relevance [Sort by](#)

[Transportation Infrastructure:](#)

14 Feb 2008 by joeswanson
 For **Pavements**, damage reduced when ground is frozen. Conversely, when **pavements** are thawing and wet, significantly more damage results. Bridges do not benefit from frozen conditions. In fact, some bridges may be more susceptible to ...
[Joe Swanson - http://joeswanson.wordpress.com](#)
[\[More results from Joe Swanson \]](#)

[Minnesota finally moves forward on transportation challenges](#)

26 Feb 2008 by charlieq
 Hats off to the Minnesota legislature for taking a big step forward for the state's critical **transportation infrastructure** this week. And hats off to transportation supporters – from the Chamber of Commerce to advocacy groups to the ...
[Growth & Justice Blog - http://growthandjustice.typepad.com/my_weblog/](#)

[Senate Second Hearing On Surface Transportation Commission Report](#)

6 Feb 2008 by WIMS
 Witnesses testifying at the second hearing included: Mary Peters, Secretary, US Department of Transportation; the Secretary for the Kansas Department of Transportation; the Director of **Transportation Infrastructure**, US Chamber of ...
[eNewsUSA - http://enewsusa.blogspot.com/](#)

[Pounding the Pavement \(Deborah's Post for 2/27\)](#)

26 Feb 2008 by deborah
 I want to talk this week about sidewalks, and the sidewalk in front of your house as a ...

Google Reader

Welcome to Google Reader

Get all your news and blogs in one place with Google Reader

With Google Reader, keeping up with your favorite websites is as easy as checking your email.



Stay up to date

Google Reader constantly checks your favorite news sites and blogs for new content.

Share with your friends

Use Google Reader's built-in public page to easily share interesting items with your friends and family.

Use it anywhere, for free

Google Reader is totally free and works in most modern browsers, without any software to install.

[Take a tour »](#)

Sign in to Google Reader with your

Google Account

Email:

Password:

Remember me on this computer.

[I cannot access my account](#)

Don't have a Google Account?

Google Reader

- [Home](#)
- [All items \(1000+\)](#)
- [Starred items](#) ★
- [Trends](#)
- [Your shared items](#)
- [Friends' shared items](#)
- [Manage friends >>](#)

[+ Add subscription](#) [Discover >>](#)

Show: [updated](#) - [all](#) [Refresh](#)

- ☐ [journals \(100\)](#)
 - ☐ ["Journal of Acad... \(1](#)
- ☐ [newspapers \(698\)](#)
 - ☐ [NYT > Magazine \(51\)](#)
 - ☐ [USATODAY.com News - T...](#)
 - ☐ ["psul-blogs" via Andrew \(34](#)
 - ☐ [D-Lib Magazine](#)
 - ☐ [\(\(\(engineering educat...](#)
 - ☐ [\(\(\(engineering educat...](#)
 - ☐ [Lorcan Dempsey's weblog \(](#)
 - ☐ [SciTech Library Question \(2'](#)
 - ☐ [SO chronicle of highe... \(301'](#)
 - ☐ [TransLiblog \(2\)](#)
 - ☐ [United States House C... \(10](#)

All items ▾

Feed settings... ▾

Expanded view | [L](#)

TransLiblog

Show: [2 new items](#) - [all items](#) [Mark all as read](#) [Refresh](#)

[show](#)

by ITS Library



The rate of repeat DWI offenses has been cut by over 40% in the U.S. and Canada by the use of ignition interlock devices. These are small, hand held breathalyzers that work in conjunction with an aftermarket ignition cut-off switch which allows a driver to start their car only if they pass their on-the-spot blood alcohol content test. 37 states now offer ignition interlocks as an alternative to license suspension for many DWI offenders.

The success of this program has prompted the Automotive Coalition for Traffic Safety and the National Highway Traffic Safety Administration to explore the feasibility of alcohol detection systems for all cars. Such a system would need to be, according to the newly launched [Driver Alcohol Detection System for Safety](#) website, "far less intrusive – they must not impede sober drivers from starting their vehicles. They would need to be capable of rapidly and accurately determining and measuring alcohol in the blood."



Building Your Collections

- **Databases** — subject and dates searches
- **Bibliographies**
- **“New in the library” lists**
- **Commercial sites**
- **Blogs, list servs**

Search Helps

- **Research tutorials/guides**
 - **InfoPeople** (www.infopeople.org/search/index.html)
 - **Laura Cohen's guides**
(<http://www.internettutorials.net/>)
 - **Bare Bones 101**
(<http://www.sc.edu/beaufort/library/pages/bones/bones.shtml>)
- **Help pages/FAQs**
- **TRB Library**
- **Your Transportation Librarian Networks!**