

Using the Transportation Research Thesaurus

Transportation Librarians Roundtable
February 14, 2008
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Institute of Transportation Studies
Library
University of California, Berkeley



How ITS Library Uses the TRT

- Supplement LC Subject Headings
- Initiate searches in TRIS Online and TRB databases
- Index journal articles, reports and TRB Annual Meeting papers for TRIS



TRT from TRB's Homepage...

Transportation Research Board -- Homepage - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

TRB TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

About TRB Annual Meeting Calendar Committees & Panels News Programs Publications Resources & Databases Contact TRB Search TRB

Recent Publications

- 2/13 - Strategic Highway Research Program 2 Quarterly Report: January 2013
- 2/13 - Human Performance, User Information, Simulation, and Visualization
- 2/12 - Emerging Technologies for Construction Delivery
- 2/11 - Sustainability, Energy, and Alternative Fuels 2007
- 2/8 - Geology and Properties of Earth Materials 2007
- 2/7 - Synthesis of Information Related to Airport Practices
- 2/6 - Concrete Materials 2007
- 2/5 - Compilation of Airport Law Resources
- 2/4 - Activity and Time Use Analysis 2007
- 2/4 - Transportation Security: A Summary of Transportation Research

>> More

TRB News

- 2/8 - Upcoming TRB Webinar - Fast Lanes on the Transportation Information for Efficient, Comprehensive Internet Research
- 2/4 - Nominations Sought for 2008 Communication Awards
- 2/1 - 2008 TRB 87th Annual Meeting: Select Sessions Now Available in Electronic Format
- 1/31 - Data Analysis Working Group Forum on Pavement Performance Data Analysis
- 1/30 - 2nd Freeway and Tollway Operations Conference

>> More... [View Current E-Newsletter]

Resources & Databases

- E-Sessions (Conference Recordings)
- Research in Progress (RiP)
- Research Needs Database (RND)
- [Transportation Research Information Services \(TRIS\) Online](#)
- Transportation Research Thesaurus (TRT)
- Transportation Security
- Online Directory
- WebBoard
- Library

Bookstore

- [HIGHWAY CAPACITY MANUAL](#)
Highway Capacity Manual 2000
- [ACCESS MANAGEMENT](#)
Access Management Manual



...or from NTL's Homepage

The screenshot shows the NTL homepage with the following elements:

- Browser Title Bar:** RITA | National Transportation Library - Mozilla Firefox
- Page Header:** U.S. Department of Transportation | Research and Innovative Technology Administration
National Transportation Library
- Navigation Bar:** Search | ABOUT RITA | CONTACT US | PRESS ROOM | CAREERS | SITE MAP
- Left Sidebar:**
 - Bureau of Transportation Statistics
 - Intelligent Transportation Systems
 - National Transportation Library
 - NTL Integrated Search
 - Go!
 - 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
- Main Content:**
 - Updated 08:05 AM EST, February 04, 2008
 - Welcome to the National Transportation Library**
 - 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
 - Information Resources and Tools:**
 - Sources of Transportation Information - topical bibliographies
 - Transportation Dictionaries
 - Legislative and Regulatory Resources
 - Transportation directories
 - Libraries
 - Associations
 - State DOTs
 - Transportation Statistics
- Right Sidebar:**
 - Quick Links
 - NTL Integrated Search
 - TRISOnline
 - TLCat
 - Transportation Research Thesaurus
 - Search/Browse our FAQs
 - Rural and Agricultural Transportation Resources
 - Spotlights
 - Sources of Information in Transportation: Inland Water is now available. View >>



TRT to supplement LC headings

- LC lags in adopting terminology
- TRT reflects actual usage
- TRT contain more specific terminology



LC Subject Headings may be outdated

LC Subject Search [Intelligent Vehicle Highway Systems] - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

|< < > >| Search Reset Logout Close Menu Help

LC Subject Search: Structured subject heading

Intelligent Vehicle Highway Systems (May Subd Geog) [[R](#) [S](#) [D](#)]
[\[TE228.3\]](#) [[B](#) [L](#) [S](#) [D](#)]

- UF Advanced Road Traffic Systems
 - Advanced Transport Telematics
 - ATT (Highway communications)
 - Intelligent Road Transportation Systems
 - [Intelligent transportation systems](#)
 - IRTS (Highway communications)
 - ITS (Highway communications)
 - IVHS (Highway communications)
 - Road Transport Informatics
 - RTI (Highway communications)
 - Vehicle Information and Communication Systems
 - VICS (Highway communications)
- BT [Electronics in transportation](#)
 - [Highway communications](#)
 - [Mobile communication systems](#)



Put LCSH into TRT to find term

The screenshot shows the Transportation Research Thesaurus (TRT) website in Mozilla Firefox. The browser title is "Transportation Research Thesaurus (TRT) - Mozilla Firefox". The website header includes the TRB logo and "TRANSPORTATION RESEARCH BOARD OF THE NATIONAL ACADEMIES". A navigation menu contains links for About TRB, Annual Meeting, Calendar, Committees & Panels, News, Programs, Publications, Resources & Databases, Contact TRB, and Search TRB. The main content area is titled "TRT Hierarchical View". It features a search bar with the text "TRT Keywords: intelligent vehicle highway systems" and a "Search" button. Below the search bar, it says "Display Hierarchical | Alphabetical | KWOC | KWIC". The search results section is titled "Search Results" and shows "Number of terms found: 1". The single result is "Intelligent vehicle highway systems USE Intelligent transportation systems (Dtv)". A left sidebar contains links for TRT Home, About the TRT, Search Help, Hierarchical View, Alphabetical View, KWOC View, KWIC View, Glossary, Download, and Suggest TRT Terms. The browser's find bar at the bottom shows "Find:" with a search box and buttons for "Find Next", "Find Previous", "Highlight", and "Match case".



Catalog record can include both LCSH and TRT

Melvyl - Search Results - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

1 [Details/Locations](#)

Title Systems engineering for intelligent transportation systems [electronic resource] : an introduction for transportation professionals.

Publisher Washington, D.C. : Federal Highway Administration : Federal Transit Administration, [2007]

Description 109 p. : digital, PDF file with col. ill., col. charts.

Language English

Note Title from PDF title screen.
"January 2007."
"FHWA-HOP-07-069."
"PB2007-114042."

Note Includes bibliographical references (p. 108-109).

Subject [Systems engineering.](#)
[Intelligent Vehicle Highway Systems.](#)
[intelligent transportation systems.](#)

Format Book
Government document
Online

Library UCB



More specific terms

National Transportation Library TRT - Traffic circles (Pmrcpjfc) - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

Thesaurus TRT Keywords: Search

Hierarchical Display

Top Terms > [Facilities](#) > [Transportation, hydraulic and utility facilities](#) > [Highway facilities](#) > [Roads](#) > [Parts of roads](#) > [Interchanges and intersections](#) > [Intersections](#) > [Types of intersections](#) > **Traffic circles**

Pmrcpjfc: [Types of intersections](#) Search

↳ Pmrcpjfc: **Traffic circles**

Pmrcpjfcmr: [Roundabouts](#)

[Find documents having Traffic circles](#)

Melvyl - Search Results - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

[6 Details/Locations](#)

Title Reconsidering roundabouts : this proven safety solution reduces the number and severity of intersection crashes and is gaining popularity in California and across the U.S.

Source Tech transfer. (Winter 2006), p. 4-6.

Language English

Subject [Traffic circles -- United States.](#)
[Traffic flow -- United States.](#)
[Roads -- United States -- Interchanges and intersections.](#)
[roundabouts.](#)

Format Analytics

Library UCB



Structured LC headings and TRT term

Melvyl - Full View of Record - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

Title Prefabricated bridge elements and systems in Japan and Europe / prepared by the International Scanning Study Team.

Publisher [Washington, D.C. : FHWA Office of International Programs, 2005]

Description xiv, 48 p. : ill. ; 28 cm.

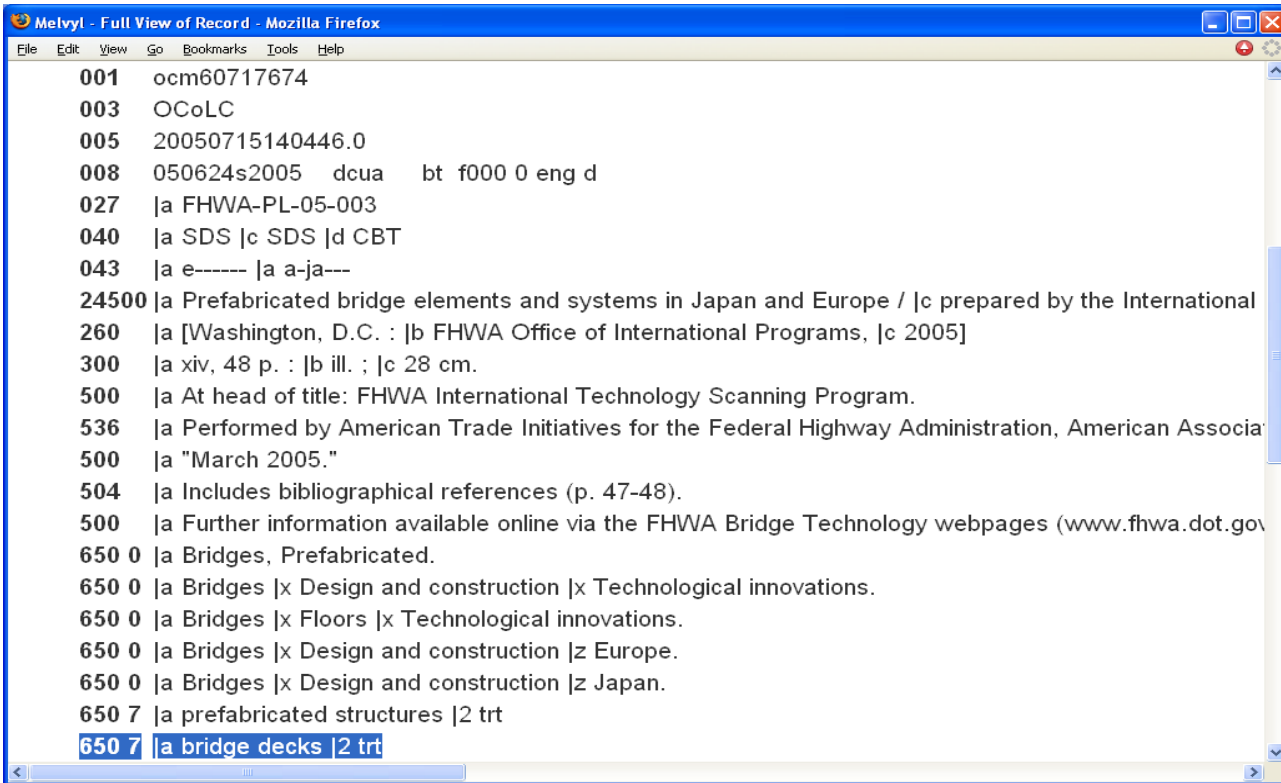
Note At head of title: FHWA International Technology Scanning Program. "March 2005."
Further information available online via the FHWA **Bridge** Technology webpages (www.fhwa.dot.gov/bridge).

Note Includes bibliographical references (p. 47-48).

Language English

Subject [Bridges, Prefabricated.](#)
[Bridges -- Design and construction -- Technological innovations.](#)
[Bridges -- Floors -- Technological innovations.](#)
[Bridges -- Design and construction -- Europe.](#)
[Bridges -- Design and construction -- Japan.](#)
[prefabricated structures](#)
[bridge decks](#)

MARC record showing TRT term



The screenshot shows a Mozilla Firefox browser window titled "Melvyl - Full View of Record - Mozilla Firefox". The browser's menu bar includes "File", "Edit", "View", "Go", "Bookmarks", "Tools", and "Help". The main content area displays a MARC record with the following fields:

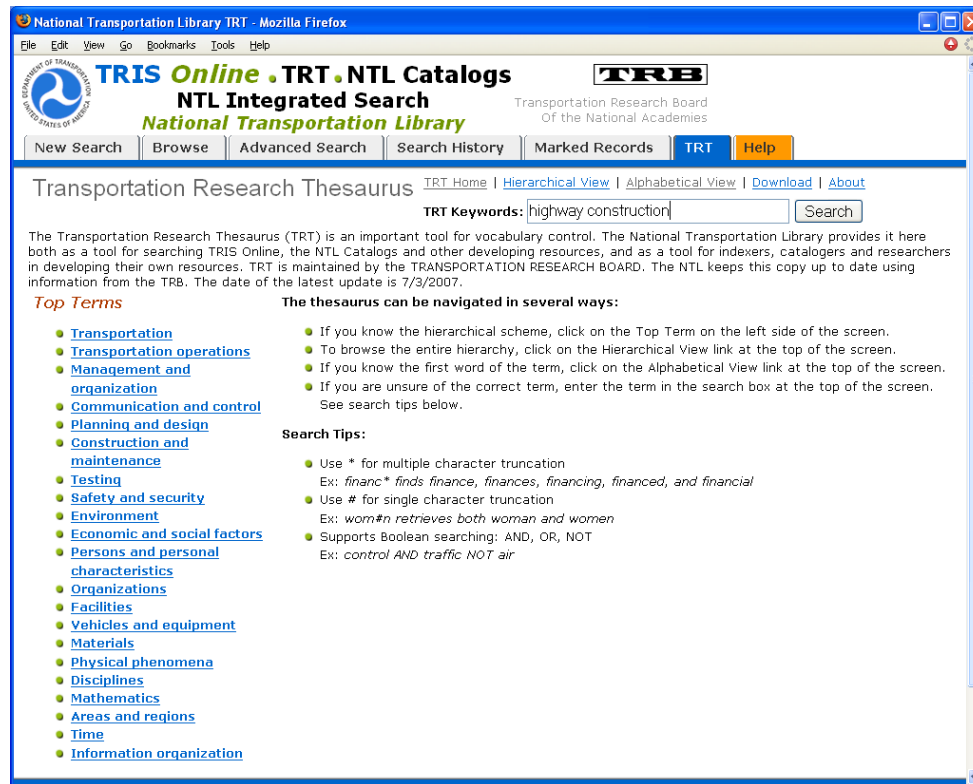
- 001 ocm60717674
- 003 OCoLC
- 005 20050715140446.0
- 008 050624s2005 dcua bt f000 0 eng d
- 027 |a FHWA-PL-05-003
- 040 |a SDS |c SDS |d CBT
- 043 |a e----- |a a-ja---
- 24500 |a Prefabricated bridge elements and systems in Japan and Europe / |c prepared by the International
- 260 |a [Washington, D.C. : |b FHWA Office of International Programs, |c 2005]
- 300 |a xiv, 48 p. : |b ill. ; |c 28 cm.
- 500 |a At head of title: FHWA International Technology Scanning Program.
- 536 |a Performed by American Trade Initiatives for the Federal Highway Administration, American Associa
- 500 |a "March 2005."
- 504 |a Includes bibliographical references (p. 47-48).
- 500 |a Further information available online via the FHWA Bridge Technology webpages (www.fhwa.dot.gov)
- 650 0 |a Bridges, Prefabricated.
- 650 0 |a Bridges |x Design and construction |x Technological innovations.
- 650 0 |a Bridges |x Floors |x Technological innovations.
- 650 0 |a Bridges |x Design and construction |z Europe.
- 650 0 |a Bridges |x Design and construction |z Japan.
- 650 7 |a prefabricated structures |2 trt
- 650 7 |a bridge decks |2 trt



Using the TRT to search

- From NTL's website, search TRIS Online
- From TRB's website, search RiP, RNS or TRB Publications Index

Looking for *highway construction*



National Transportation Library TRT - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

TRIS Online . TRT . NTL Catalogs
NTL Integrated Search
National Transportation Library

Transportation Research Board
Of the National Academies

New Search Browse Advanced Search Search History Marked Records TRT Help

Transportation Research Thesaurus [TRT Home](#) | [Hierarchical View](#) | [Alphabetical View](#) | [Download](#) | [About](#)

TRT Keywords:

The Transportation Research Thesaurus (TRT) is an important tool for vocabulary control. The National Transportation Library provides it here both as a tool for searching TRIS Online, the NTL Catalogs and other developing resources, and as a tool for indexers, catalogers and researchers in developing their own resources. TRT is maintained by the TRANSPORTATION RESEARCH BOARD. The NTL keeps this copy up to date using information from the TRB. The date of the latest update is 7/3/2007.

Top Terms

- [Transportation](#)
- [Transportation operations](#)
- [Management and organization](#)
- [Communication and control](#)
- [Planning and design](#)
- [Construction and maintenance](#)
- [Testing](#)
- [Safety and security](#)
- [Environment](#)
- [Economic and social factors](#)
- [Persons and personal characteristics](#)
- [Organizations](#)
- [Facilities](#)
- [Vehicles and equipment](#)
- [Materials](#)
- [Physical phenomena](#)
- [Disciplines](#)
- [Mathematics](#)
- [Areas and regions](#)
- [Time](#)
- [Information organization](#)

The thesaurus can be navigated in several ways:

- If you know the hierarchical scheme, click on the Top Term on the left side of the screen.
- To browse the entire hierarchy, click on the Hierarchical View link at the top of the screen.
- If you know the first word of the term, click on the Alphabetical View link at the top of the screen.
- If you are unsure of the correct term, enter the term in the search box at the top of the screen. See search tips below.

Search Tips:

- Use * for multiple character truncation
Ex: *financ** finds *finance, finances, financing, financial, and financial*
- Use # for single character truncation
Ex: *wom#n* retrieves *both woman and women*
- Supports Boolean searching: AND, OR, NOT
Ex: *control AND traffic NOT air*



Identifying TRT term

National Transportation Library TRT - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

TRIS Online . TRT . NTL Catalogs
NTL Integrated Search
National Transportation Library

Transportation Research Board
Of the National Academies

New Search Browse Advanced Search Search History Marked Records **TRT** Help

Transportation Research Thesaurus [TRT Home](#) | [Hierarchical View](#) | [Alphabetical View](#) | [Download](#) | [About](#)

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Top Terms

- [Transportation](#)
- [Transportation operations](#)
- [Management and organization](#)
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- [Testing](#)
- [Safety and security](#)
- [Environment](#)
- [Economic and social factors](#)
- [Persons and personal characteristics](#)
- [Organizations](#)
- [Facilities](#)
- [Vehicles and equipment](#)
- [Materials](#)
- [Physical phenomena](#)

You are searching for: highway construction
Each search result is shown below its higher level term.

Unused Terms:

- [Construction of specific facilities](#) (Fcf)
- ↪ Highway construction --> [Road construction](#) (Fcff)



Hierarchical display – can lead to TRIS Online search

The screenshot shows the TRIS Online search interface in a Mozilla Firefox browser window. The page title is "National Transportation Library TRT - Road construction (Fcff) - Mozilla Firefox". The interface includes a navigation menu with options like "New Search", "Browse", "Advanced Search", "Search History", "Marked Records", "TRT", and "Help". The main content area displays the "Transportation Research Thesaurus" with a search bar and a "Hierarchical Display" section. The breadcrumb trail is: Top Terms > Construction and maintenance > Construction > Construction of specific facilities > Road construction. The hierarchical display shows the following structure:

- Fcf: [Construction of specific facilities](#)
 - Fcff: **Road construction**
 - Fcffj: [Pavement grooving](#)
 - Fcffn: [Pavement widening](#)
 - Fcffp: [Paving](#)
 - Fcffr: [Seal coating](#)
 - Fcffs: [Striping](#)

On the right side of the interface, there is a search box, a link to "Find documents having Road construction", and sections for "Use For:" (Highway construction), "Broader Term:" (Construction of specific facilities), and "Related Terms:" (Water control, Landscaping, Pipe laying, Railroad construction, Excavation and tunneling).



Search results from TRIS Online

The screenshot shows a web browser window titled "National Transportation Library - Search Result - Mozilla Firefox". The page header includes the Department of Transportation logo, the text "TRIS Online . TRT . NTL Catalogs", and the TRB logo. Below the header is a navigation menu with buttons for "New Search", "Browse", "Advanced Search", "Search History", "Marked Records", "TRT", and "Help".

The main content area is titled "Search Result" and displays the following information:

- Records 1 - 10 of 5057 for ht:"road construction"
- In database [All](#) | [NTL Catalog](#) | ([NTL Digital Repository](#) | [Other Transportation Web Sites](#)) | [TRIS Online](#)
- Sorted by [Year](#) | [Relevance](#)

Navigation options include "Page: Previous | [Next](#)", "Record: 1" in a text box, "Jump To", "Show [Detail](#) | [10/Page](#) | [25/Page](#) | [50/Page](#) | [Printable View](#)".

Action buttons include "Mark All Records", "Clear Marks", and "View Marked Records".

Two search results are listed:

- Alternative Project Delivery Systems: Applications and Legal Limits in Transportation Projects**
AN: [01087888](#)
Authors: Ghavamifar, Kamran; Touran, Ali
Journal: Journal of Professional Issues in Engineering Education and Practice, Vol. 134 No. 1
Corp. Authors/Publisher: American Society of Civil Engineers
Year: 2008
Database: TRIS Online
- Reconciliation of Owner and Contractor Views in Heavy Construction Projects**
AN: [01084660](#)
Authors: Serag, Engy; Oloufa, Amr A; Malone, Linda
Journal: Journal of Professional Issues in Engineering Education and Practice, Vol. 134 No. 1
Corp. Authors/Publisher: American Society of Civil Engineers
Year: 2008
Database: TRIS Online



Using TRT from TRB's website

The screenshot shows the Transportation Research Thesaurus (TRT) website. The browser title is "Transportation Research Thesaurus (TRT) - Mozilla Firefox". The page header includes the TRB logo and the text "TRANSPORTATION RESEARCH BOARD OF THE NATIONAL ACADEMIES". A navigation menu contains links for About TRB, Annual Meeting, Calendar, Committees & Panels, News, Programs, Publications, Resources & Databases, Contact TRB, and Search TRB. The main content area is titled "Transportation Research Thesaurus (TRT)" and features a search bar with the text "homeland security" and a "Search" button. Below the search bar, there is a paragraph explaining the TRT's purpose and a "Newest Terms" section listing various terms with their alpha codes. At the bottom, there are two columns of links categorized by their starting letter (A through M).

Transportation Research Thesaurus (TRT)

TRT Keywords:

The Transportation Research Thesaurus (TRT) is a tool to improve the indexing and retrieval of transportation information. The thesaurus covers all modes and aspects of transportation. The TRT's purpose is to provide a common and consistent language between producers and users of transportation information.

The TRT Web page allows for searching and browsing the thesaurus in various formats. Click on a thesaurus term to retrieve the "family" relationships (broader, narrower, and related terms). Click on the terms alpha code to retrieve the hierarchical display for the word.

Newest Terms

- [Ship conversion \(Fcvs\)](#)
- [Traffic signal indications \(Dcmthcsm\)](#)
- [Tire/pavement noise \(Jfnett\)](#)
- [Kiln dust \(Rbmdufk\)](#)
- [Booster seats \(Qpgrycb\)](#)
- [Speed zones \(Crfrt\)](#)
- [Criminal justice \(Csiib\)](#)
- [Forms \(Documents\) \(Xxu\)](#)
- [Text messaging \(Dsmbt\)](#)
- [Aeroelasticity \(Smbkb\)](#)

A: Transportation
B: Transportation operations
C: Management and organization
D: Communication and control
E: Planning and design
F: Construction and maintenance
G: Testing
H: Safety and security
J: Environment
K: Economic and social factors
M: Persons and personal characteristics

N: Organizations
P: Facilities
Q: Vehicles and equipment
R: Materials
S: Physical phenomena
T: Disciplines
U: Mathematics
V: Areas and regions
W: Time
X: Information organization



Hierarchical view of TRT term

The screenshot shows a web browser window titled "Transportation Research Thesaurus (TRT) - Mozilla Firefox". The browser's address bar is empty, and the menu bar includes "File", "Edit", "View", "Go", "Bookmarks", "Tools", and "Help". The website header features the TRB logo and the text "TRANSPORTATION RESEARCH BOARD OF THE NATIONAL ACADEMIES". Below the header is a navigation menu with links for "About TRB", "Annual Meeting", "Calendar", "Committees & Panels", "News", "Programs", "Publications", "Resources & Databases", and "Contact TRB".

The main content area is titled "TRT" and "Hierarchical View". On the left side, there is a vertical list of navigation links: "TRT Home", "About the TRT", "Search Help", "Hierarchical View", "Alphabetical View", "KWOC View", "KWIC View", "Glossary", "Download", and "Suggest TRT Terms".

The main content area contains a search bar with the text "TRT Keywords: homeland security" and a "Search" button. Below the search bar, there are links for "Display Hierarchical", "Alphabetical", "KWOC", and "KWIC". The search results section is titled "Search Results" and shows "Number of terms found: 1". The single result is "Homeland security USE National security (Hsw)".



Find TRB Publications using TRT term

Transportation Research Thesaurus (TRT) - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

TRB TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

About TRB Annual Meeting Calendar Committees & Panels News Programs Publications Resources & Databases Contact TRB

TRT

[TRT Home](#)
[Search Help](#)
[Hierarchical View](#)
[Alphabetical View](#)
[KWOC View](#)
[KWIC View](#)
[Glossary](#)
[Download](#)

Term Details

TRT Keywords:

[Top Terms](#) > [Safety and security](#) > [Security](#) > [National security](#)

National security (Hsw)

Search for term in
[TRB Publications Index](#)
[Research in Progress](#)
[TRB E-Newsletter Items](#)

Use For
Homeland security

Broader Term
[Security \(Hs\)](#)

Narrower Terms
[National defense \(Hswd\)](#)
[Defense \(Hswe\)](#)

Related Terms (Hierarchical)
[Prevention \(Hsa\)](#)
[Protection \(Hsb\)](#)
[Security checkpoints \(Hsc\)](#)
[Freight security \(Hsf\)](#)
[Passenger security \(Hsp\)](#)
[False alarms \(Security\) \(Hsu\)](#)



Results from TRB Publications search

The screenshot shows the TRB Publications Index search results page. The browser window title is "TRB Publications Index - Mozilla Firefox". The page header includes the TRB logo and navigation links: About TRB, Annual Meeting, Calendar, Committees & Panels, News, Programs, Publications, Resources & Databases, Contact TRB, and Search TRB. The main heading is "Publications Index". On the left, there are links for Home, Search Help, Advanced Search, Recent Records, Research in Progress, IRI, and TRIS Online. The search results section shows a search for "National security" with 19 records found. Below the search summary, there are links for "All", "None", "Full View", "Brief View", "Save as Text", and "E-mail". A table of results follows, with columns for Title, Accession, and Date. The table contains 15 rows of publication records.

Title	Accession	Date
<input type="checkbox"/> Introduction: Improving Disaster Preparedness and Response Through Practice-Oriented Research	01054252	2007-05
<input type="checkbox"/> Capabilities-Based Planning for the National Preparedness System	01054253	2007-05
<input type="checkbox"/> Electronic Freight Theft Management System for Florida	01054015	2007
<input type="checkbox"/> Optimizing Protective Measures with Respect to Multiple Hazards	01044075	2007
<input type="checkbox"/> Transportation and Emergency Services: Identifying Critical Interfaces, Obstacles, and Opportunities	01031381	2006
<input type="checkbox"/> Trade-Offs Between Security and Inspection Capacity: Policy Options for Land Border Ports of Entry	01030644	2006
<input type="checkbox"/> Preliminary Assessment of Activity and Modeling for Homeland Security Applications	01025753	2006
<input type="checkbox"/> Security 2006	01030645	2006
<input type="checkbox"/> Transportation Security Training and Education: Building Up Resources, Techniques, and Strategies. Introduction	01002755	2005-05
<input type="checkbox"/> Ensuring the Security of Transportation Facilities: Evaluation of Advanced Vehicle Identification Technologies	01023735	2005
<input type="checkbox"/> THE MARINE TRANSPORTATION SYSTEM AND THE FEDERAL ROLE: MEASURING PERFORMANCE, TARGETING IMPROVEMENT	00972203	2004

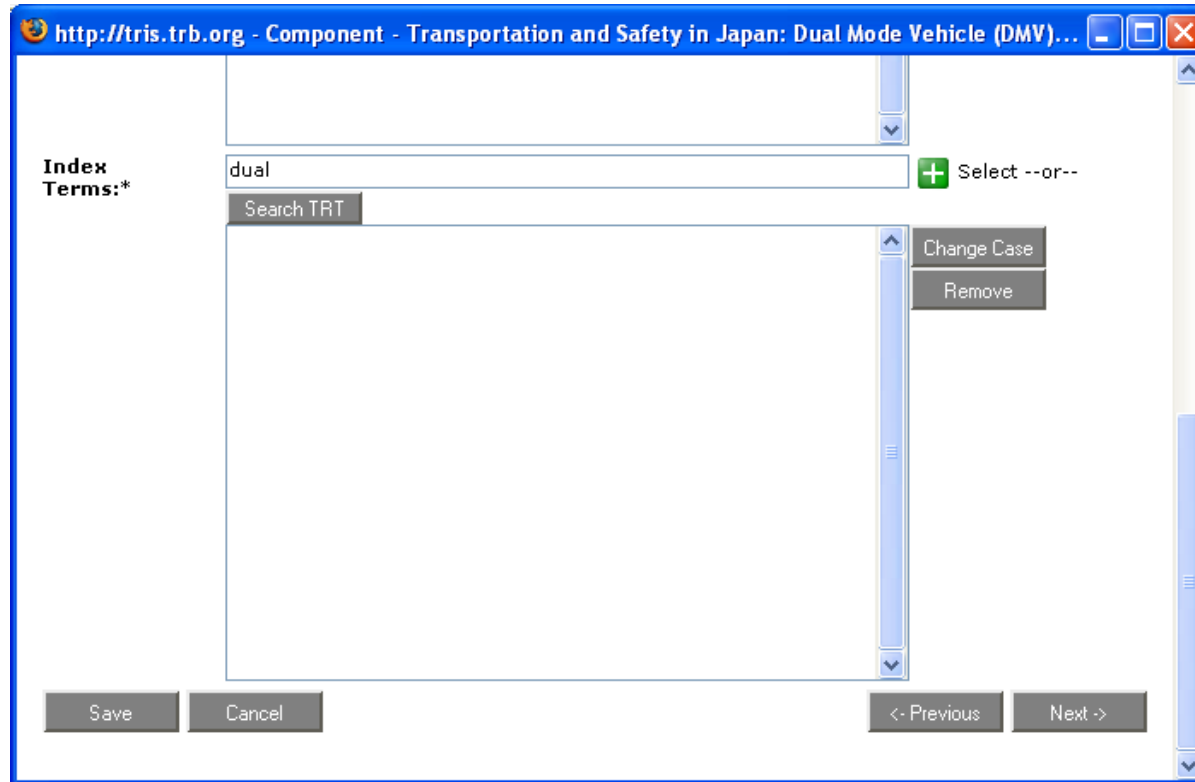


TRT for TRIS indexing

- Journal articles
- TRB annual meeting papers



Indexing records for TRIS





Look-up table showing term

The screenshot shows a web browser window with the address bar displaying "http://tris.trb.org - Select an Index Term - Mozilla Firefox". The page title is "Select an Index Term". Below the title, there is a paragraph of instructions: "Please select from one of the items listed below, or select ***New*** to create a new record (this option only shows in certain cases)." and a note: "Note: You may double-click or press 'Enter' on any item to automatically select it." The main content is a list of index terms, each with a radio button, a text input field containing a code, a "type: IT" label, and an "Add" button. The terms are: "Divided highways USE FOR Dual highways; Dual carriageways;" (code: Pmrcdhd), "Dual mode transportation systems" (code: Ac), "Dual mode vehicles" (code: Qbddkd), "Dual phase steel" (code: Rbmdkdfscmd), "Dual powered locomotives USE FOR Electro-diesel locomotives;" (code: Qbfmcpq), "Hybrid vehicles USE FOR Dual fuel vehicles;" (code: Qbddph), "Individual organic compounds" (code: Rbcgrr), "Residual fuels" (code: Rbfpr), "Residual oils" (code: Rbmdpps), "Residual shear strength" (code: Rkmarr), "Residual soils" (code: Rbesjr), "Residual strength" (code: Rkmam), and "Residual stress" (code: Smvq).

Select an Index Term

Please select from one of the items listed below, or select ***New*** to create a new record (this option only shows in certain cases).

Note: You may double-click or press 'Enter' on any item to automatically select it.

- Divided highways USE FOR Dual highways; Dual carriageways;**
[Pmrcdhd] type: IT Add
- Dual mode transportation systems** [Ac] type: IT Add
- Dual mode vehicles** [Qbddkd] type: IT Add
- Dual phase steel** [Rbmdkdfscmd] type: IT Add
- Dual powered locomotives USE FOR Electro-diesel locomotives;**
[Qbfmcpq] type: IT Add
- Hybrid vehicles USE FOR Dual fuel vehicles;** [Qbddph] type: IT Add
- Individual organic compounds** [Rbcgrr] type: IT Add
- Residual fuels** [Rbfpr] type: IT Add
- Residual oils** [Rbmdpps] type: IT Add
- Residual shear strength** [Rkmarr] type: IT Add
- Residual soils** [Rbesjr] type: IT Add
- Residual strength** [Rkmam] type: IT Add
- Residual stress** [Smvq] type: IT Add



TRT showing term

The screenshot shows a web browser window with the address bar displaying "http://tris.trb.org - Transportation Research Thesaurus (TRT) - Mozilla Firefox". The page title is "Hierarchical View". Below the title, there is a search bar with the text "dual" and a "Search" button. Underneath the search bar, there are links for "Display Hierarchical | Alphabetical | KWOC | KWIC". The section "Search Results" indicates "Number of terms found: 7". The results are listed as follows:

- [Dual mode transportation systems \(Ac\)](#)
- Dual highways USE [Divided highways \(Pmrcdhd\)](#)
- Dual carriageways USE [Divided highways \(Pmrcdhd\)](#)
- [Dual mode vehicles \(Qbddkd\)](#)
- Dual fuel vehicles USE [Hybrid vehicles \(Qbddph\)](#)
- [Dual powered locomotives \(Qbfmcpq\)](#)
- [Dual phase steel \(Rbmdkdfscmd\)](#)



TRB meeting paper – completed indexing

http://tris.trb.org - Component - Service Time Variability at Blaine, Washington, International ...

Index Terms:*

Search TRT

- IT: Costs
- IT: Freight traffic
- IT: International borders
- IT: International trade
- IT: Reliability
- IT: Traffic congestion
- IT: Traffic delay
- IT: Travel time
- IT: Truck drivers
- IT: Uncertainty
- GT: Blaine (Washington)
- GT: Canada

+ Select --or--

Change Case

Remove

Save Cancel <- Previous Next ->



Using the TRT provides:

- Structured view of transportation terms
- Controlled vocabulary for indexing
- A starting point for searching TRIS Online and TRB databases
- More specific terminology used by practitioners