## TRB at a Glance

The mission of the Transportation Research Board (TRB) is to provide leadership in transportation innovation and progress through research and information exchange, conducted within a setting that is objective, interdisciplinary, and multimodal.

A resource to the nation and to the transportation community worldwide, TRB provides an extensive portfolio of services:

- Opportunities for information exchange on current transportation research and practice,
- Management of cooperative research and other research programs,
- Analyses of national transportation policy issues and guidance on federal and other research programs
- Publications and access to research information from around the world.

More info at [www.trb.org](http://www.trb.org)

## TRB’s Transportation Research Information Services (TRIS)

TRIS includes the TRB Library and the TRIS Databases (listed below) which are available for free on TRB’s website.

The TRB Library provides information services to TRB staff, sponsors, TRB Committee members and panels and researchers. Access to the TRB Library is a benefit to TRB sponsors and TRB committee members.

In cooperation with your State DOT Library or Information Service, the TRB Library provides:

- Reference and research assistance
- Literature searches
- Articles for TRB Committee work

The TRB Library provides training on effective and efficient use of the following TRIS resources:

**TRID** – The world's largest and most comprehensive bibliographic source on all modes and disciplines of transportation [trid.trb.org](http://trid.trb.org)

**Practice Ready Papers (PRP) Database** - Papers with information that is ready for immediate implementation or requires minimal additional research or implementation effort. [prp.trb.org](http://prp.trb.org)

**Publications Index (PubsIndex) Database** – The papers, articles and reports published by the Transportation Research Board, Highway Research Board, Strategic Highway Research Programs or the Marine Board [pubsindex.trb.org](http://pubsindex.trb.org)

**Research in Progress (RiP) Database** – Current or recently completed transportation research projects [rip.trb.org](http://rip.trb.org)

**Research Needs Statements (RNS)** – Research needs as identified by TRB Technical Activities standing committees [rms.trb.org](http://rms.trb.org)

More information about TRIS is available online at: [http://www.trb.org/InformationServices/InformationServices.aspx](http://www.trb.org/InformationServices/InformationServices.aspx)

Contact the Library at TRBLibrary@nas.edu or 1 (202) 334-2989

## Recent and Upcoming Events

- Conferences (co-sponsored by TRB):
  - June 4-6, 2017 [1st World Transport Convention](http://www.trb.org/)
  - July 2, 2017 Dallas, Texas [IBTTA/TRB Joint Symposium on Managed Lanes and All Electronic Tolling](http://www.trb.org/)
The National Academies of
SCiences • Engineering • Medicine

Geotechnology

- August 21, 2017 New York, New York 9th New York City Bridge Conference
- August 27, 2017 Philadelphia, Pennsylvania American Society of Civil Engineers (ASCE) 2017 International Conference on Highway and Airfield Technology
- September 26, 2017 Washington, D.C. 11th University Transportation Center (UTC) Spotlight Conference: Rebuilding and Retrofitting the Transportation Infrastructure
- September 26, 2017 Minneapolis, Minnesota 1st International Intelligent Construction Group Conference (IICTG 2017)
- October 15, 2017 Anaheim, California 2017 American Concrete Institute (ACI) Fall Convention
- November 12, 2017 Dallas, Texas Second Pan American Conference on Unsaturated Soils (PanAm-UNSAT 2017)
- December 7, 2017 Miami, Florida 2017 National Accelerated Bridge Construction Conference
- July 23, 2018 Hangzhou, Zhejiang, China GeoChina 2018 International Conference

- Webinars:
  - March 21, 2017 Mini-Roundabouts: Is the US Ready to Take Advantage of Their Benefits?
  - March 28, 2017 Highway Rumble Strips: Approaches to Balancing Public Safety and Community Noise
  - August 22, 2016 Moisture and Compaction Measurement during Unbound Aggregate Layer Construction
  - September 12, 2016 Improved Specimen Preparation for Soil-Cement Design and Construction Monitoring
  - November 30, 2016 Roller-Compacted Concrete: Recent Research and Development


Technical Committees

- Standing Committees:
  - Design and Construction Group (AF000)
  - Geospatial Data Acquisition Technologies in Design and Construction (AFB80)
  - Section - Construction (AFH00)
  - Construction Management (AFH10)
  - Project Delivery Methods (AFH15)
  - Management of Quality Assurance (AFH20)
    - Subcommittee on Quality Management for Alternative Project Delivery
  - Application of Emerging Technologies to Design and Construction (AFH30)
  - Construction of Bridges and Structures (AFH40)
  - Portland Cement Concrete Pavement Construction (AFH50)
  - Flexible Pavement Construction and Rehabilitation (AFH60)
  - Fabrication and Inspection of Metal Structures (AFH70)
  - Disadvantaged Business Enterprises (DBE) (AFH80)
  - Concrete Materials and Placement Techniques (AFN40)
  - Transportation Earthworks (AFS10)
  - Foundations of Bridges and Other Structures (AFS30)
  - Cementitious Stabilization (AFS80)
  - Chemical, Mechanical, and Asphalt Stabilization (AFS90)
  - Work Zone Traffic Control (AHB55)

- Policy Study Committees:
  - Committee for Intelligent Construction Systems and Technologies: Program Review (B0133)
  - TRB Long-Term Pavement Performance (LTPP) Committee (B0135)

- Council:
Cooperative Research Program (CRP)

- Recent NCHRP Reports
  - NCHRP Report, Issue: 807 - Properties of Foamed Asphalt for Warm Mix Asphalt Applications.
  - NCHRP Report, Issue: 725 - Guidelines for Analysis Methods and Construction Engineering of Curved and Skewed Steel Girder Bridges.

- Recent NCHRP Synthesis of Highway Practice
Recent NCHRP Synthesis of Highway Practice issues:

- Managing Longitudinal Utility Installations on Controlled Access Highway Right-of-Way (Issue: 462)
- Non-Nuclear Methods for Compaction Control of Unbound Materials (Issue: 456)
- Forecasting Highway Construction Staffing Requirements (Issue: 450)
- Expedited Procurement Procedures for Emergency Construction Services (Issue: 438)
- Recycled Materials and Byproducts in Highway Applications (Issue: 435, Volume 6)
- Manufacturing and Construction Byproducts (Issue: 435, Volume 8)
- Scrap Tire Byproducts (Issue: 435, Volume 7)
- Slag Byproducts (Issue: 435, Volume 5)
- Mineral and Quarry Byproducts (Issue: 435, Volume 4)
- Non-Coal Combustion Byproducts (Issue: 435, Volume 3)
- Coal Combustion Byproducts (Issue: 435, Volume 2)
- Summary Report (Issue: 435, Volume 1)
- Geotechnical Information Practices in Design-Build Projects (Issue: 429)
- Practices and Procedures for Site-Specific Evaluations of Earthquake Ground Motions (Issue: 428)
- Recycling and Reclamation of Asphalt Pavements Using In-Place Methods (Issue: 421)
- Developing Production Pile Driving Criteria from Test Pile Data (Issue: 418)
- Techniques for Effective Highway Construction Projects in Congested Urban Areas (Issue: 413)
- Construction Manager-at-Risk Project Delivery for Highway Programs (Issue: 402)
- Performance-Based Construction Contractor Prequalification (Issue: 390)
- Information Technology for Efficient Project Delivery (Issue: 385)
- Selection and Evaluation of Alternative Contracting Methods to Accelerate Project Completion (Issue: 379)
- Quality Assurance in Design-Build Projects (Issue: 376)
- Emerging Technologies for Construction Delivery (Issue: 372)

Recent NCHRP Web Documents:

- Alternative Quality Management Systems for Highway Construction (Issue: 212)
- Seismic Design of Geosynthetic-Reinforced Soil Bridge Abutments with Modular Block Facing (Issue: 187)
- Guidance for Managing NEPA-Related and Other Risks in Project Delivery (Issue: 183)
Recent NCHRP Legal Research Digests
- NCHRP Legal Research Digest, Issue: 61 - Legal Aspects for Performance-Based Specifications for Highway Construction and Maintenance Contracts.
- NCHRP Legal Research Digest, Issue: 59 - Enforceability of Local Hire Preference Programs.

Recent NCHRP Research Results Digests
- NCHRP Research Results Digest, Issue: 391 - Modulus-Based Construction Specification for Compaction of Earthwork and Unbound Aggregate.
- NCHRP Research Results Digest, Issue: 371 - Quality-Related Pay Adjustment Factors for Pavements.
- NCHRP Research Results Digest, Issue: 363 - Hydroacoustic Impacts on Fish from Pile Installation.
- NCHRP Research Results Digest, Issue: 355 - Summary of Cast-in-Place Concrete Connections for Precast Deck Systems.

Recent NCHRP-IDEA Program
- NCHRP-IDEA Program Project Final Report - Extraction of Layer Properties from Intelligent Compaction Data.
- NCHRP IDEA Program: Products with an Impact or Potential Impact on Current Highway Practice: Notable Examples.

Recent ACRP Reports
- ACRP Report, Issue: 105 - Guidelines for Ensuring Longevity in Airport Sound Insulation Programs.

Other Recent Reports
<table>
<thead>
<tr>
<th>Current research</th>
</tr>
</thead>
<tbody>
<tr>
<td>- ACRP 09-07 - Airport Maintenance Roles in Planning, Design, Construction, Commissioning, and Activation</td>
</tr>
<tr>
<td>- ACRP 11-02/Task 29 - RFQ: ACRP Research Roadmap on Select Airport Topics.</td>
</tr>
<tr>
<td>- NCHRP 10-91 - Guidebook for Selecting and Implementing Sustainable Highway Construction Practices</td>
</tr>
<tr>
<td>- NCHRP 12-89 - Recommended AASHTO LRFD Tunnel Design and Construction Specifications</td>
</tr>
<tr>
<td>- NCHRP 15-51 - Pre-construction Services Cost Estimating Guidebook</td>
</tr>
<tr>
<td>- NCHRP 20-06/Topic 20-02 - Liability of Design Builders for Design, Construction and Acquisition Claims</td>
</tr>
<tr>
<td>- NCHRP 20-06/Topic 20-03 - Permissible Arranges in Scope of Work for Construction Contracts</td>
</tr>
<tr>
<td>- NCHRP 25-25/Task 93 - Long-Term Construction and Maintenance Cost Comparison for Road Stream Crossing</td>
</tr>
<tr>
<td>Hydraulic Design vs. Bankfull Width Design</td>
</tr>
<tr>
<td>- NCHRP Synthesis 20-05/Topic 46-06 - Use of Mobile IT Devices in the Field for Design, Construction and</td>
</tr>
<tr>
<td>Asset Management</td>
</tr>
<tr>
<td>- SHRP 2 R02 - Geotechnical Solutions for Soil Improvement, Rapid Embankment Construction, and Stabilization</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Upcoming projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>- ACRP 08-02 - Incorporating Collaborative Partnering into Traditional Airport Construction Projects</td>
</tr>
<tr>
<td>- ACRP 02-68 - Addressing Local Stormwater Utilities and MS4s for Airports</td>
</tr>
<tr>
<td>- NCHRP 08-104 - A Guidebook for Post-award Contract Administration for Highway Projects Delivered</td>
</tr>
<tr>
<td>Using Alternative Contracting Methods</td>
</tr>
<tr>
<td>- NCHRP 08-107 - A Guidebook for Emergency Contracting Procedures for Administration of a Regional</td>
</tr>
<tr>
<td>Emergency</td>
</tr>
<tr>
<td>- NCHRP 10-90 - Guidance for Complying with EPA Effluent Limitation Guidelines for Construction Runoff</td>
</tr>
<tr>
<td>- NCHRP 10-98 - Development of Standards and Quality Assurance Procedures for the Collection of Network</td>
</tr>
<tr>
<td>Level Macro-Texture Measures</td>
</tr>
<tr>
<td>- NCHRP 12-106 - Development of Guidelines for Performance-Based Seismic Design</td>
</tr>
<tr>
<td>- NCHRP 12-109 - Design, Fabrication, and Construction of Long-Span Precast Pretensioned Girders Made</td>
</tr>
<tr>
<td>with 0.7? Diameter Strands</td>
</tr>
<tr>
<td>- NCHRP 14-37 - Guide Construction Specifications for Pavement Preservation Treatments: Chip Seal</td>
</tr>
<tr>
<td>and Microsurfacing</td>
</tr>
<tr>
<td>- NCHRP 14-38 - Triggers and Timings for the Placement of Pavement Preservation Treatments for Asphalt</td>
</tr>
<tr>
<td>Pavements</td>
</tr>
<tr>
<td>- NCHRP 15-63 - Design Options to Reduce Turning Motor Vehicle Conflicts with Bicyclists and</td>
</tr>
<tr>
<td>Pedestrians at Intersections</td>
</tr>
<tr>
<td>- NCHRP 20-06/Topic 22-02 - Liability of State Departments of Transportation for Design Errors</td>
</tr>
<tr>
<td>- NCHRP 20-06/Topic 22-03 - Primer on Patentability and Use of Ideas Developed by Contractors</td>
</tr>
<tr>
<td>Performing Work for State and Federal Transportation and Local Planning Agencies</td>
</tr>
</tbody>
</table>
Panel Member nominations accepted (http://www.trb.org/TCRP/CRPInfoPanelMembers.aspx)

Second Strategic Highway Research Program (SHRP 2)

- Reports
  - SHRP 2 Report, Issue: S2-R01C-RW-1 - Innovations to Locate Stacked or Deep Utilities.
  - SHRP 2 Report - Pilot Testing of the TCAPP Decision Guide and Related Capacity Products: Hoopstick Creek, South Carolina.
  - SHRP 2 Report - Identification of Utility Conflicts and Solutions: Pilot Implementation of the SHRP 2 R15B Products at the Maryland State Highway Administration.
  - SHRP 2 Report, Issue: S2-R06G-RR-1 - Mapping Voids, Debonding, Delaminations, Moisture, and Other Defects Behind or Within Tunnel Linings.
The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Transportation Research Board

- SHRP 2 Report - Identifying and Reducing Worker, Inspector, and Manager Fatigue in Rapid Renewal Environments.
- SHRP 2 Report, Issue: S2-R06C-RR-1 - Using Infrared and High-Speed Ground-Penetrating Radar for Uniformity Measurements on New HMA Layers.
- SHRP 2 Report, Issue: S2-R05-RR-1 - Precast Concrete Pavement Technology.

- Project Briefs
  - SHRP 2 Project Brief - Strategic Approaches at the Corridor and Network Levels to Minimize Disruption from the Renewal Process.
  - SHRP 2 Project Brief - Geotech Tools: Geoconstruction Information and Technology Selection Guidance for Geotechnical, Structural, and Pavement Engineers.
  - SHRP 2 Project Brief - A Toolkit for Accelerated Bridge Construction.

Other Relevant Reports