



TRANSPORTATION RESEARCH BOARD  
**Project Delivery Overview**

## 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  
[rns.trb.org](http://rns.trb.org)

More information about TRIS is available online at: <http://www.trb.org/InformationServices/InformationServices.aspx>  
Contact the Library at [TRBLibrary@nas.edu](mailto:TRBLibrary@nas.edu) or 1 (202) 334-2989

## Upcoming Events

- Webinars:
  - April 26, 2017 **Civil Integrated Management: Moving Forward with Implementation**

View TRB webinars here: <http://www.trb.org/ElectronicSessions/ConferenceRecordings.aspx>



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## Technical Committees

- Standing Committees:
  - Find them here <http://www.trb.org/AboutTRB/StandingCommitteesMT.aspx> and select mode
  -
  
- Task Force:
  - Search for *task force* under committee here: <https://www.mytrb.org/DirectorySearch.aspx>
  -
  
- Policy Study Committees
  - Find them here: <http://www.trb.org/main/policycommittees1.aspx> & also here:
  - <http://www.trb.org/AboutTRB/StandingCommitteesMT.aspx> and select mode
  
- Council:
  - Young Member Council (A0040T)

To become Friend of any committee visit [MyTRB.org](http://www.mytrb.org)

## Cooperative Research Program (CRP)

- Recent Reports
  - ACRP Report, Issue 128 (2015) - Alternative IT Delivery Methods and Best Practices for Small Airports.
  - ACRP Report, Issue 21 (2009) - A Guidebook for Selecting Airport Capital Project Delivery Methods.
  
  - ACRP Web-Only Document, Issue 6 (2009) - Evaluation and Selection of Airport Capital Project Delivery Methods.
  
  - NCHRP Report, Issue 831 (2016) - Civil Integrated Management (CIM) for Departments of Transportation, Volume 2: Research Report.
  - NCHRP Report, Issue 831 (2016) - Civil Integrated Management (CIM) for Departments of Transportation, Volume 1: Guidebook.
  - NCHRP Report, Issue 821 (2016) - Effective Project Scoping Practices to Improve On-Time and On-Budget Delivery of Highway Projects.
  - NCHRP Report, Issue 808 (2015) - Guidebook on Alternative Quality Management Systems for Highway Construction.
  - NCHRP Report, Issue 787 (2014) - Guide for Design Management on Design-Build and Construction Manager/General Contractor Projects.
  - NCHRP Report, Issue 771 (2014) - Strategies to Optimize Real Property Acquisition, Relocation Assistance, and Property Management Practices.
  - NCHRP Report, Issue 754 (2013) - Improving Management of Transportation Information.
  - NCHRP Report, Issue 723 (2012) - A Model for Identifying and Evaluating the Historic Significance of Post-World War II Housing.
  - NCHRP Report, Issue 662 (2010) - Accelerating Transportation Project and Program Delivery: Conception to Completion.
  - NCHRP Report, Issue 594 (2007) - Guidebook for Integrating Freight into Transportation Planning and Project Selection Processes.
  - NCHRP Synthesis of Highway Practice, Issue 499 (2017) - Alternate Design/Alternate Bid Process for Pavement-Type Selection.
  - NCHRP Synthesis of Highway Practice, Issue 481 (2015) - Current Practices to Set and Monitor DBE Goals on Design-Build Projects and Other Alternative Project Delivery Methods.
  - NCHRP Synthesis of Highway Practice, Issue 473 (2015) - Indefinite Delivery/Indefinite Quantity Contracting Practices.

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- NCHRP Synthesis of Highway Practice, Issue 471 (2015) Practices for Developing Transparent Best Value Selection Procedures.
- NCHRP Synthesis of Highway Practice, Issue 466 (2015) - Alliance Contracting—Evolving Alternative Project Delivery.
- NCHRP Synthesis of Highway Practice, Issue 455 (2014) - Alternative Technical Concepts for Contract Delivery Methods.
- NCHRP Synthesis of Highway Practice, Issue 442 (2013) - Practices and Performance Measures for Local Public Agency Federally Funded Highway Projects.
- NCHRP Synthesis of Highway Practice, Issue 429 (2012) - Geotechnical Information Practices in Design-Build Projects.
- NCHRP Synthesis of Highway Practice, Issue 414 (2011) - Effective Delivery of Small-Scale Federal-Aid Projects.
- NCHRP Synthesis of Highway Practice, Issue 402 (2010) - Construction Manager-at-Risk Project Delivery for Highway Programs.
- NCHRP Synthesis of Highway Practice, Issue 390 (2009) Performance-Based Construction Contractor Prequalification.
- NCHRP Synthesis of Highway Practice, Issue 385 (2008) - Information Technology for Efficient Project Delivery.
- NCHRP Synthesis of Highway Practice, Issue 379 (2008) Selection and Evaluation of Alternative Contracting Methods to Accelerate Project Completion.
- NCHRP Synthesis of Highway Practice, Issue 376 (2008) Quality Assurance in Design-Build Projects.
- NCHRP Synthesis of Highway Practice, Issue 373 (2007) - Multi-Disciplinary Teams in Context-Sensitive Solutions.
  
- NCHRP Web Document, Issue 212 (2013) - Alternative Quality Management Systems for Highway Construction.
- NCHRP Web Document, Issue 183 (2014) - Guidance for Managing NEPA-Related and Other Risks in Project Delivery, Volume 2: Expediting NEPA Decisions and Other Practitioner Strategies for Addressing High Risk Issues in Project Delivery.
- NCHRP Web Document, Issue 183 (2011) - Guidance for Managing NEPA-Related and Other Risks in Project Delivery, Volume 1: Guide for Managing NEPA-Related and Other Risks in Project Delivery.
- NCHRP Web Document, Issue 171 (2010) - Identification of Results-Oriented Public Involvement Strategies Between Transportation Agencies and Native American Tribal Communities.
  
- NCHRP Legal Research Digest, Issue 51 (2009) - Major Legal Issues for Highway Public-Private Partnerships.
  
- NCHRP-IDEA Program Project Final Report (2006) - Mobile Geophysical Technology: A Subsurface Scoping Tool for Reducing Unforeseen Roadblocks in Project Delivery.
  
- TCRP Report, Issue 131 (2009) - A Guidebook for the Evaluation of Project Delivery Methods.
- TCRP Synthesis of Transit Practice, Issue 118 (2015) - Practices for Utility Coordination in Transit Projects.
- TCRP Legal Research Digest, Issue 39 (2012) - Competition Requirements of the Design/Build, Construction Manager at Risk, and Public-Private Partnership Contracts—Seven Case Studies.
  
- TCRP Web Document, Issue 41 (2008) - Evaluation of Project Delivery Methods.
  
- Transportation Research E-Circular, Issue 199 (2015) - Understanding Deployment Strategy from Research to Project Delivery.
- Transportation Research E-Circular, Issue E-C128 (2008) - Bridge Information Modeling for the Life Cycle: Progress and Challenges.
- Transportation Research E-Circular, Issue E-C115 (2007) - Kansas Department of Transportation

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Perspective.

- Transportation Research Board Special Report, Issue 312 (2014) - Transportation Investments in Response to Economic Downturns.
- TR News, Issue 292 (2014) - NCHRP REPORT: A Model for Identifying and Evaluating the Historic Significance of Post-World War II Housing.
- TR News, Issue 289 (2013) - Improving the Planning and Delivery of Highway Capacity Projects: Decision-Support System Emphasizes Collaboration.
- TR News, Issue 289 (2013) - Building Green with Precast and Composite Pavements: Illinois Tollway's Experience.
- TR News, Issue 289 (2013) - Accelerating Bridge Delivery in Vermont: Traffic, Construction, Safety, and Economic Benefits.
- TR News, Issue 289 (2013) - Lasting Renewal with Minimal Disruption: Building a Highway Network into the Future.
- TR News, Issue 285 (2013) - Construction Manager-General Contractor Project Delivery: A Better, Faster, Smarter Way of Building Transportation Infrastructure.
- TR News, Issue 274 (2011) - Selecting Public-Private Partnerships for Transportation Projects: From Episodic to Programmatic Public-Sector Decision Making.
- TR News, Issue 262 (2009) - Transportation and Historic Preservation: Progress and Research.
- TR News, Issue 247 (2006) - Outsourcing Transportation Project Delivery Functions: An Alternative Method for Getting the Job Done in Kentucky and Other States.
  
- A Standardized Tool for Calculating Road User Benefits. 12th National Conference on Transportation Planning for Small and Medium-Sized Communities, Transportation Research Board (2010)
- Transportation Research Board Conference Proceedings, Issue 44 (2008) - U.S. and International Approaches to Performance Measurement for Transportation Systems: Summary of a Conference.
- Geometric Design of Interchange in Urban City. 3rd Urban Street Symposium: Uptown, Downtown, or Small Town: Designing Urban Streets That Work, Transportation Research Board (2007)
  
- Current research
  - Interactive Tool for Understanding NEPA at General Aviation Airports (ACRP 02-73)
  - A Guidebook for Post-Award Contract Administration for Highway Projects Delivered Using Alternative Contracting Methods (NCHRP 08-104)
  - AASHTO Partnering Handbook, Second Edition (NCHRP 19-10)
  - Applying Risk Analysis, Value Engineering, and other Innovative Solutions for Project Delivery (NCHRP 19-11)
  - Guidance for Use of Value Capture to Fund Transportation (NCHRP 19-13)
  - Utility Coordination Best Practices for Design-Build and Alternative Contracting Projects (NCHRP 20-07/Task 373)
  - Staffing for Alternative Contracting Methods (NCHRP Synthesis 20-05/Topic 48-04)
  - Development of a Highway Construction Noise Prediction Model (NCHRP 25-49)
  - Guidelines for Managing Geotechnical Risks in Design-Build Projects (NCHRP 24-44)
  - Utility Coordination Best Practices for Design-Build and Alternative Contracting Projects (NCHRP 20-07/Task 373)
  - A Guidebook for Implementing Alternative Technical Concepts into Project Delivery Methods (NCHRP 08-112)
  - Procedures and Guidelines for Validating Contractor Test Data (NCHRP 10-100)
  - Applying Risk Analysis, Value Engineering, and other Innovative Solutions for Project Delivery (NCHRP 19-11)



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- Upcoming projects
  - Integrating Airport Ground Access and Metropolitan Surface Transportation Planning Efforts (ACRP 03-43)
  - Guidebook for Implementing Constructability Across the Entire Project Development Process: NEPA to Final Design (NCHRP 10-99)
  - Transportation System Resilience: CEO Primer & Engagement (NCHRP 20-59(55))

Panel Member nominations accepted (<http://www.trb.org/TCRP/CRPInfoPanelMembers.aspx>)

## Second Strategic Highway Research Program (SHRP 2)

- SHRP 2 Report, Issue Report S2-R09-RW-1 (2015) - Developing the "Guide for the Process of Managing Risk on Rapid Renewal Projects".
- SHRP 2 Report, Issue REPORT S2-C12-Rw-1 (2015) - Effect of Public-Private Partnerships and Nontraditional Procurement Processes on Highway Planning, Environmental Review, and Collaborative Decision Making.
- SHRP 2 Report, Issue S2-R10-RW-2 (2015) - Guide to Project Management Strategies for Complex Projects.
- SHRP 2 Report (2014) - Project Management Strategies for Complex Projects: Case Study Report.
- SHRP 2 Report, Issue S2-R07-RR-1 (2014) - Performance Specifications for Rapid Highway Renewal.
- SHRP 2 Report, Issue S2-R07-RR-2 (2014) - Strategies for Implementing Performance Specifications: Guide for Executives and Project Managers.
- SHRP 2 Report, Golder Associates, Issue S2-R09-RW-02 (2014) - Guide for the Process of Managing Risk on Rapid Renewal Projects.
- SHRP 2 Report, Issue S2-R10-RW-1 (2014) - Project Management Strategies for Complex Projects.
- SHRP 2 Project Brief (2013) - Meeting the Challenges of Rapid Renewal Projects.
- SHRP2 Solutions Fact Sheets: Brief Descriptions of the First Tools from SHRP 2. Transportation Research Board (2012)
- SHRP 2 Report, Issue S2-L01-RR-1 (2011) - Integrating Business Processes to Improve Travel Time Reliability.
- SHRP 2 Program Brief (2010) - A Strategic View of SHRP 2 Reliability Research Products.
- SHRP 2 Program Brief (2010) - Updating Renewal Research in the Second Strategic Highway Research Program.
- SHRP 2 Program Brief (2009) - A Strategic View of SHRP 2 Renewal Research Products.
- SHRP 2 Report, Issue S2-C19-RR-1 (2012) - Expedited Planning and Environmental Review of Highway Projects.