The Transportation Research Board (TRB) provides innovative, research-based solutions to improve how we move. TRB is part of the National Academies of Sciences, Engineering, and Medicine, an independent, non-profit institution that provides objective advice on scientific, engineering, and medical issues.

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
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All available Snap Searches can be accessed online here: http://www.trb.org/InformationServices/Snap.aspx

TRB Research

TRID — The world's largest and most comprehensive bibliographic source on all modes and disciplines of transportation

- Click here to view search results on TRB published research on Construction within the past two years.

Subject Webpage

- Construction Research at TRB

Recent Reports & Publications

- **Airport Cooperative Research Program (ACRP)**
  - Report 198 - Wetland Mitigation, Volume 2, A Guidebook for Airports
  - Report 196 - Guidebook for Integrating Collaborative Partnering into Traditional Airport Practices
  - Web-Only Document 40 - Airport Design and Construction Narrative Research Roadmap

- **National Cooperative Highway Research Program (NCHRP)**
  - Legal Research Digest 76 - Update of Selected Studies in Transportation Law, Volume 8, Section 3: Indian Transportation Law
  - NCHRP 10-91A - Sustainable Highway Construction Practices
  - Report 884 - Guidelines for Managing Geotechnical Risks in Design–Build Projects
  - Synthesis 540 - Leveraging Private Capital for Infrastructure Renewal
  - Synthesis 536 - Bridge Demolition Practices
  - Synthesis 534 - Emerging Technologies for Construction Delivery
  - Synthesis 530 - Construction and Rehabilitation of Concrete Pavements Under Traffic
  - Synthesis 529 - How Transportation Agencies Assess the Value of Added Capacity Highway Projects Versus Other Modal Projects and Strategies
  - Synthesis 518 - Staffing for Alternative Contracting Methods
  - Synthesis 516 - Tack Coat Specifications, Materials, and Construction Practices
  - Web-Only Document 247 - Managing Geotechnical Risks in Design–Build Projects

- **Special Reports**
  - Report 330 - Performance of Bridges That Received Funding Under the Innovative Bridge Research and Construction Program

- **Transit Cooperative Research Program (TCRP)**
  - Report 208 - Strategic Communications Toolkit to Improve Support for Transit-Priority Projects

- **Transportation Research Circulars**
  - E-Circular 249 - Key Elements of Construction Quality Assurance for Implementation
Current & Upcoming Projects

Current Projects

- ACRP 09-15 - Building Information Modeling (BIM) Beyond Design
- ACRP 11-02/Task 30 - Research Roadmap in the Area of Design and Construction of Airport Facilities and Infrastructure
- NCHRP 02-25 - Workforce 2030–Attracting, Retaining, and Developing the Transportation Workforce: Design, Construction, and Maintenance
- NCHRP 03-111 - Effectiveness of Work Zone Transportation Management Plan (TMP) Strategies
- NCHRP 03-132 - Guidance for Safe and Effective Temporary Traffic Control for Mobile Operations on Two-Lane Two-Way Roadways
- NCHRP 05-24 - Guidelines for Vehicle and Equipment Color, Marking, and Lighting
- NCHRP 08-112 - A Guidebook for Implementing Alternative Technical Concepts into Project Delivery Methods
- NCHRP 09-62 - Rapid Tests and Specifications for Construction of Asphalt-Treated Cold Recycled Pavements
- NCHRP 10-100 - Procedures and Guidelines for Validating Contractor Test Data
- NCHRP 10-101 - Improving Mid-Term, Intermediate, and Long-Range Cost Forecasting: Guidance for State Departments of Transportation
- NCHRP 10-102 - A Guidebook for Risk-Based Construction Inspection
- NCHRP 11-08 - Improving Rights-of-Way Acquisition and Compensation Practices for Utility Relocation
- NCHRP 12-95A - Proposed AASHTO Guidelines for Adjacent Precast Concrete Box Beam Bridge Systems
- NCHRP 18-18 - Design and Construction of Deck Bulb Tee Girder Bridges with UHPC
- NCHRP 20-06/Topic 23-04 - The Effectiveness of State False Claims Acts in Protecting State Transportation Funding
- NCHRP 20-50(18) - LTTP Data Analysis: Significance of As-Constructed Asphalt Pavement Air Voids to Pavement Performance
- NCHRP 20-107 - Effective Construction Project Staffing Strategies for Transportation Agencies
- NCHRP 25-25/Task 116 - Potential Section 106 Exempted Categories or Program Comments for Federal Highway Administration Projects: National Streamlining Opportunities
- NCHRP 25-62 - Watershed Approach to Mitigating Hydrologic Impacts of Transportation Projects
- NCHRP Synthesis 20-05/Topic 50-01 - Advancements in Use of Geophysical Methods for Transportation Projects
- NCHRP Synthesis 20-05/Topic 50-07 - Electronic Ticketing of Materials for Construction Management
- NCHRP Synthesis 20-05/Topic 50-12 - Development and Use of As-Builts Plans by State DOTS
- NCHRP Synthesis 20-05/Topic 51-04 - Practices for Selecting Pedestrian and Bicycle Projects
- NCHRP Synthesis 20-05/Topic 51-17 - Practices for Closing Out Highway Projects from Substantial Completion to Final Payment

Upcoming Projects

- ACRP 08-03 - Construction Safety and Phasing Plans
- NCHRP 03-140 - Applications of RFID and Wireless Technologies for Highway Construction
- NCHRP 09-64 - Developing Laboratory Methods and Specifications to Test Tack Coat Materials
- NCHRP 12-120 - Stainless Steel Strands for Prestressed Concrete Bridge Elements
- NCHRP 14-43 - Guide Construction Specifications for Cold In-place Recycling (CIR) and Cold Central Plant Recycling (CCPR)
- NCHRP 15-69 - Utility Conflict Impacts During Highway Construction
- NCHRP 15-71 - Methodology for Addressing Project Constraints in Early Construction Cost Estimates
- NCHRP 20-06/Topic 25-03 - Managing Enhanced Risk in the Mega Project Era
- NCHRP 20-06/Topic 25-05 - The Legal Issues Associated with Consequential Damages Provisions in Construction Contracts
- NCHRP 20-06/Topic 25-06 - Legal Aspects of Best-Value Procurement for Highway Construction (Update)
- TCRP J-05/Topic 19-04 - Transit Sponsor and Contractor Delay Damages and Remedies Due to Third Parties - Transit Facility Improvements - Common Legal Issues and Solutions

Reports from the National Academies Press on Construction
- Developing Norms for the Provision of Biological Laboratories in Low-Resource Contexts
- Environmental Engineering for the 21st Century
- Independent Assessment of Science and Technology for the Department of Energy's Defense Environmental Cleanup Program
- Bolting Reliability for Offshore Oil and Natural Gas Operations

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
- AF000 – Design and Construction
- AFB80 – Geospatial Data Acquisition Technologies
- AFH00 – Construction
- AFH10 – Construction Management
- AFH15 – Project Delivery Methods
- AFH20 – Quality Assurance Management
- AFH30 – Emerging Design and Construction Technologies
- AFH40 – Construction of Bridges and Structures
- AFH50 – Concrete Pavement Construction and Rehabilitation
- AFH60 – Asphalt Pavement Construction and Rehabilitation
- AFH70 – Fabrication and Inspection of Metal Structures
- AFH80 – Disadvantaged Business Enterprises
- AFN40 - Concrete Materials and Placement Techniques
- AFS10 - Transportation Earthworks
- AFS30 - Foundations of Bridges and Other Structures
- AFS80 - Stabilization of Geomaterials and Recycled Materials
- AHB55 - Work Zone Traffic Control

Task Forces - Search for task force under committee here

CRP Panels
- Project Panels Related to Construction

Councils
- A0040T – Young Member Council

Recent and Upcoming Events

Upcoming Conferences - Left hand menu “upcoming conferences by topic”
(Conferences cosponsored by TRB are denoted with an asterisk.)

International Accelerated Bridge Construction (ABC) Conference
December 11-13, 2019
Miami, Florida

12th International Conference on Concrete Pavements*
August 30, 2020
Minneapolis, Minnesota

Second International Conference on 3D Printing and Transportation
November 18, 2020

GeoChina 2021 International Conference*
July 19, 2021
NanChang, Jiangxi, China

Webinars – View upcoming webinars, suggest a webinar or add registration information
Past Webinars
- Construction
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

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

Research in Progress (RiP) Database – Current or recently completed transportation research projects - rip.trb.org

Research Needs Statements (RNS) – Research needs as identified by TRB Technical Activities standing committees - rns.trb.org

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