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- [COVID-19 Addendum to Critical Issues in Transportation](http://www.trb.org/InformationServices/Snap.aspx)
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**Recent Reports & Publications**

- [Innovations Deserving Exploratory Analysis (IDEA)](http://www.trb.org/InformationServices/Snap.aspx)
  - [Safety Report 39](http://www.trb.org/InformationServices/Snap.aspx) - Non-Contact Scour Monitoring System for Railroad Bridges
  - [Safety Report 37](http://www.trb.org/InformationServices/Snap.aspx) - Measuring Behavior of Railroad Bridges under Revenue Traffic using Lasers and Unmanned Aerial Vehicles (UAVs) for Safer Operations: Implementation

- [National Cooperative Highway Research Program (NCHRP)](http://www.trb.org/InformationServices/Snap.aspx)
  - [NCHRP 20-44(04)](http://www.trb.org/InformationServices/Snap.aspx) - Implementing Products from NCHRP Research on Adhesive Anchor Systems
  - [NCHRP IDEA 20-30/Idea 208](http://www.trb.org/InformationServices/Snap.aspx) - Determining Bridge Deck Chloride Quantities with Ground Penetrating Radar
  - [IDEA Report 220](http://www.trb.org/InformationServices/Snap.aspx) - Bridge Deck Sealer Monitor: Thermal Sealcheck
  - [IDEA Report 205](http://www.trb.org/InformationServices/Snap.aspx) - Bio-Inspired "MRI" of Concrete Bridges using Waveform-Based Ultrasonic Tomography
  - [IDEA Report 202](http://www.trb.org/InformationServices/Snap.aspx) - Vertical Electrical Impedance Scanner for Concrete Bridge Deck Assessment without Direct Rebar Attachment
  - [NCHRP 20-07/Task 424](http://www.trb.org/InformationServices/Snap.aspx) - AASHTO Guidelines for the Operation of Movable Bridges from Remote Locations
  - [Report 971](http://www.trb.org/InformationServices/Snap.aspx) - Revised Clear-Water and Live-Bed Contraction Scour Analysis
  - [Report 965](http://www.trb.org/InformationServices/Snap.aspx) - Mitigation of Weldment Cracking in Steel Highway Structures Due to the Galvanizing Process
  - [Report 962](http://www.trb.org/InformationServices/Snap.aspx) - Proposed Modification to AASHTO Cross-Frame Analysis and Design
  - [Report 958](http://www.trb.org/InformationServices/Snap.aspx) - Electrochemical Test Methods to Evaluate the Corrosion Potential of Earthen Materials
  - [Report 951](http://www.trb.org/InformationServices/Snap.aspx) - AASHTO Load Rating Provisions for Implements of Husbandry
  - [Report 950](http://www.trb.org/InformationServices/Snap.aspx) - Proposed AASHTO Guides for Bridge Preservation Actions
  - [Report 949](http://www.trb.org/InformationServices/Snap.aspx) - Proposed AASHTO Guidelines for Performance-Based Seismic Bridge Design
  - [Report 935](http://www.trb.org/InformationServices/Snap.aspx) - Proposed AASHTO Seismic Specifications for ABC Column Connections
Current & Upcoming Projects

- **Synthesis 580** - Practices for Ensuring the Smoothness of Concrete Bridge Decks
- **Synthesis 577** - Collaborative Practices for Performance-Based Asset Management Between State DOTs and MPOs
- **Synthesis 571** - Load Rating of Bridges and Culverts with Missing or Incomplete As-Built Information
- **Synthesis 566** - Practices for Bridge Approach Systems
- **Synthesis 562** - Repair and Maintenance of Post-Tensioned Concrete Bridges
- **Synthesis 556** - Asset Management Approaches to Identifying and Evaluating Assets Damaged Due to Emergency Events
- **Synthesis 551** - Highway Hydraulic Engineering State of Practice
- **Synthesis 546** - Use of Weigh-in-Motion Data for Pavement, Bridge, Weight Enforcement, and Freight Logistics Applications
- **Synthesis 544** - Concrete Technology for Transportation Applications
- **Web-Only Document 307** - Recommended Guidelines for the Selection of Test Levels 2 Through 5 Bridge Railings

- **Transportation Research Circulars**
  - **E-Circular 273** - History and Future Perspectives on Foundation Design for Transportation Structures
  - **E-Circular 272** - Technology Exchange on Local Roads Bridge Programs
  - **E-Circular 257** - Primer on Bridge Load Testing

Current & Upcoming Projects

- **Current Projects**
  - **NCHRP 08-139** - Guide for Preventing and Mitigating the Risk of Bridge and Tunnel Strikes by Motor Vehicles
  - **NCHRP 12-95A** - Proposed AASHTO Guidelines for Adjacent Precast Concrete Box Beam Bridge Systems
  - **NCHRP 12-115** - Guidelines for Risk-Based Inspection and Strength Evaluation of Suspension Bridge Main Cable Systems
  - **NCHRP 12-116A** - Proposed AASHTO Specifications for Design of Piles for Downdrag
  - **NCHRP 12-117** - Guidelines for Corrosion Protection of Steel Bridges Using Duplex Coating Systems
  - **NCHRP 12-118** - Design and Construction Specifications for Bonded and Unbonded Post-Tensioned Concrete Bridge Elements
  - **NCHRP 12-119** - MASH Railing Load Requirements for Bridge Deck Overhang
  - **NCHRP 12-120** - Stainless Steel Strands for Prestressed Concrete Bridge Elements
  - **NCHRP 12-121** - Guidelines for the Design of Prestressed Concrete Bridge Girders Using FRP Auxiliary Reinforcement
  - **NCHRP 12-122** - Proposed AASHTO Guidelines for Applications of Unmanned Aerial Systems Technologies for Element-Level Bridge Inspection
  - **NCHRP 12-123** - Proposed AASHTO Guideline for Load Rating of Segmental Bridges
  - **NCHRP 20-123(10)** - AASHTO Committee on Bridges and Structures Strategic Plan, Operating Guidelines, and Research Roadmap Development
  - **NCHRP 22-33** - Multi-State In-Service Performance Evaluations of Roadside Safety Hardware
  - **NCHRP 22-35** - Evaluation of Bridge Rail Systems to Confirm AASHTO MASH Compliance
  - **NCHRP 22-41** - Proposed Modification to AASHTO LRFD Bridge Design Specifications, Section 13—Railing
  - **NCHRP 22-43** - Proposed AASHTO Guidelines for Implementation of MASH for Sign Supports, Breakaway Poles, and Work Zone Traffic Control Devices
  - **NCHRP 23-08** - A Guide for Incorporating Maintenance Costs into a Transportation Asset Management Plan
  - **NCHRP 24-48** - A Methodology for Determining Scour Depth around Structures in Gravel-bed Rivers
  - **NCHRP 25-61** - Development of On-Bridge Stormwater Treatment Practices
  - **NCHRP 25-63** - Handbook on Deterring and Excluding Bats from Transportation Structures
  - **NCHRP IDEA 20-30/IDEA 210** - Material Characteristics of Cu-Based Superelastic Alloys for Applications in Bridge Columns to Improve Seismic Performance
  - **NCHRP IDEA 20-30/IDEA 213** - SEAHIVE – Sustainable Estuarine and Marine Revetment
  - **NCHRP IDEA 20-30/IDEA 215** - Achieving Resilient Multi-Span Bridges by using Buckling-Restrained Braces
  - **NCHRP IDEA 20-30/IDEA 222** - Mixed Reality Assisted Infrastructure Inspections
  - **NCHRP IDEA 20-30/IDEA 223** - Fatigue Crack Inspection Using Computer Vision and Augmented Reality
  - **NCHRP IDEA 20-30/IDEA 227** - Adjustable Cross-frames for the Erection of Steel Girder Bridges
  - **NCHRP IDEA 20-30/IDEA 230** - Automated Data and Feature Extraction from Bridge Plan
- **Upcoming Projects**
  - NCHRP 10-111 - Guide for 3D Model Viewers for Construction Inspection
  - NCHRP 12-124 - Design of Stud Shear Connectors in Composite Steel Bridges
  - NCHRP 14-45 - Guidelines for Response Planning, Assessment, and Rapid Restoration of Service of Bridges in Extreme Events
  - NCHRP 20-123(16) - Roadmap for AASHTO Bridge Railing MASH Updates to Support Future Vehicle Fleet Transformation
  - NCHRP 22-56 - Development of Non-proprietary Prefabricated Solutions for Concrete Barrier Systems for Accelerated Bridge Construction
  - NCHRP Synthesis 20-05/Topic 54-11 - Quality Control Checks for Bridge and Structure Analysis Models
  - NCHRP Synthesis 20-05/Topic 54-19 - Practices for Controlling Tunnel Leaks

**Reports from the National Academies Press on Bridges & Other Structures**

- Service Life Assessment and Predictive Modeling for an Aging Critical Infrastructure
- Evolving the Geodetic Infrastructure to Meet New Scientific Needs
- A Vision for NSF Earth Sciences 2020-2030

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- AKB40 - Testing and Evaluation of Transportation Structures
- AKB50 - Seismic Design and Performance of Bridges
- AKB60 - Tunnels and Underground Structures
- AKB70 - Culverts, Buried Bridges and Soil Structure Interaction
- AKC40 - Construction of Bridges and Structures
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- AKM50 - Advanced Concrete Materials and Characterization
- AKG70 - Foundations of Bridges and Other Structures
- AKM60 - Properties of Concrete
- AKM70 - Durability of Concrete
- AKT40 - Structures Maintenance
- AKT50 - Bridge and Structures Management
- AKT60 - Bridge Preservation
- AR050 - Railroad Infrastructure Design and Maintenance
- AR060 - Rail Transit Infrastructure Design and Maintenance
- B0024 – Research and Technology Coordinating Committee
- B0147 – Bridge Data Analysis Working Group
- B0162 - Review of Federal Highway Administration Infrastructure R&D – Expert Task Group on Bridges

**Task Forces** - Search for task force under committee here
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  o  Project Panels Related to Bridges and Other Structures

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