CRP 2016 PUBLICATIONS
(as of November 28, 2016)

NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM

NCHRP Reports
817  Validation of Guidelines for Evaluating the Moisture Susceptibility of WMA Technologies, 44 p. (3/16)
818  Comparing the Volumetric and mechanical properties of Laboratory and Field Specimens of Asphalt Concrete, 88 p. (4/16)
819  Self-Consolidating Concrete for Cast-in-Place Bridge Components, 112 p. (9/16)
821  Effective Project Scoping Practices to Improve On-Time and On-Budget Delivery of Highway Projects, 188 p. (4/16)
823  Guidelines for Certification and Management of Flexible Rockfall Protection Systems, 32 p. (5/16)
824  Methodology for Estimating the Value of Travel Time Reliability for Truck Freight System Users, 104 p. (6/16)
826  Estimating Highway Preconstruction Services Costs, Volume 1: Guidebook, 120 p. (7/16)
827  Navigating Multi-Agency NEPA Processes to Advance Multimodal Transportation Projects, 136 p. (7/16)
828  Guidelines for Nighttime Visibility of Overhead Signs, 80 p. (6/16)
829  Leadership Guide for Strategic Information Management for State Departments of Transportation, 110 p. (8/16)
830  Multi-State, Multimodal, Oversight/Overweight Transportation, 176 p. (8/16)
831  Civil Integrated Management (CIM) for Departments of Transportation, Volume 1: Guidebook, 72 p. (10/16)
      Civil Integrated Management (CIM) for Departments of Transportation, Volume 2: Research Report, 100 p. (10/16)
832  State DOTs Connecting Users and Rides for Specialized Transportation, Volume 1: Research Report, 118 p. (7/16)
832  State DOTs Connecting Users and Rides for Specialized Transportation, Volume 2: Toolkit for State DOTs and Others, 48 p. (7/16)
Guidelines for Implementing Managed Lanes, 164 p. (12/16)

**NCHRP Synthesis**

483 Training and Certification of Highway Maintenance Workers, 138 p. (1/16)
484 Influence of Geotechnical Investigation and Subsurface Conditions on Claims, Change Orders, and Overruns, 52 p. (2/16)
485 Converting Paved Roads to Unpaved, 88 p. (1/16)
486 State Practices for Local Road Safety, 136 p. (1/16)
487 Public Perception of Mileage-Based User Fees, 148 p. (3/16)
488 Roundabout Practices, 92 p. (4/16)
489 Extending Bridge Service Life Through Field Welded Repair and Retrofits, 76 p. (4/16)
490 Practice of Rumble Strips and Rumble Stripes, 60 p. (5/16)
491 Use of Mobile Information Technology Devices in the Field of Design, Construction, and Asset Management, 112 p. (3/16)
492 Performance Specifications for Asphalt Mixtures, 100 p. (6/16)
493 Practices for High-Tension Cable Barriers, 64 p. (5/16)
495 Use of Reclaimed Asphalt Pavement and Recycled Asphalt Shingles in Asphalt Mixtures, 132 p. (9/16)
496 Minimizing Roadway Embankment Damage from Flooding, 120 p. (8/16)
497 Post-Extreme Event Damage Assessment and Response for Highway Bridges, 12/16
498 Application of Pedestrian Crossing Treatments for Streets and Highway, 12/16
499 Alternative Design/Alternative Bid Process for Pavement-Type Selection, in production for 2017
500 Control of Concrete Cracking in Bridges, 12/16

**NCHRP Research Results Digests**

398 Continuing Projects to Synthesize Information on Highway Practices, 24 p. (1/16)
399 Field Validation of Laboratory Tests to Assess Cracking Resistance of Asphalt Mixtures: An Experimental Design, 28 p. (8/16)
400 Sample Size Implications of Multi-Day GPS-Enabled Household Travel Surveys, 36 p. (11/16)

**NCHRP Web-Only Documents**

215 Incident Command System (ICS) Training for Field-Level Transportation Supervisors and Staff, 220 p. (3/16)
216 Published in 2015
217 Published in 2015
218 Field Evaluation of Reflected Noise from a Single Noise Barrier—Phase 1, 428 p. (1/16)
219 Hamburg Wheel-Track Test Equipment Requirements and Improvements to AASHTO T 324, 88 p. (2/16)
221 Protection of Transportation Infrastructure from Cyber Attacks: A Primer, 183 p. (5/16)
Guidelines for Application of Crossing Solutions at Roundabouts and Channelized Turn Lanes for Pedestrians with Vision Difficulties: Final Report (Prodi. as N Rep 834)

Guidelines for Development of Smart Apps for Assessing, Coding, and Marking Highway Structures in Emergency Situations (11/16)

Research Supporting the Development of Guidelines for Implementing Managed Lanes (12/16)

NCHRP Legal Research Digests

A Look at the Legal Environmental for Driverless Vehicles, 82 p. (3/16)

Takings and Mitigation, 36 p. (4/16)

Liability of Transportation Entity for the Unintentional Release of Secure Data or the Intentional Release of Monitoring Data on Movements or Activities of the Public, 60 p. (7/16)

Summary of federal Law Restricting Use of Highway Safety Data in Tort Litigation, 66 p. (12/16)

TRANSIT COOPERATIVE RESEARCH PROGRAM

TCRP Reports

Linking Transit Agencies and Land Use Decision Making: Guidebook for Transit Agencies, 134 p. (online-only) (4/16)

A Guidebook on Transit-Supportive Roadway Strategies, 211 p. (online-only) (4/16)

Maintenance Technician Staffing Levels for Modern Public Transit Fleets, 38 p. (online-only) (4/16)

Bus Operator Workstation Design for Improving Occupational Health and Safety, 127 p. (online-only) (5/16)

Economic Impact Case Study Tool for Transit, 92 p. (online-only) (7/16)

Livable Transit Corridors: Methods, Metrics, and Strategies, 134 p. (online-only) (9/16)

Shared Mobility and the Transformation of Public Transit, 110 p. (online-only) (9/16)

TCRP Synthesis

Use of Taxis in Public Transportation for People with Disabilities and Older Adults, 113 p. (online-only) (3/16)

Use of Automotive Service Excellence Tests within Transit, 100 p. (online-only) (4/16)

Transit Agency Practices in Interacting with People Who Are Homeless, 100 p. (online-only) (3/16)

Transit-Supportive Parking Policies and Programs, 79 p. (online-only) (4/16)

Onboard Camera Applications for Buses, 82 p. (6/16)

TCRP Research Results Digest

Synthesis of Information Related to Transit Practices, 12 p. (online-only) (1/16)

Contracting Commuter Rail Services, 28 p. (online-only) (9/16)

TCRP SSTL (Selected Studies in Transportation Law) Volumes

None
TCRP Web-Only Documents
67 Protection of Transportation Infrastructure from Cyber Attacks: A Primer, 183 p. (5/16)
68 Developing an ITS Technology Web Portal for Transit System Leaders, 159 p. (6/16)

AIRPORT COOPERATIVE RESEARCH PROGRAM

ACRP Reports
NextGEN for Airports, Volume 2: Engaging Airport Stakeholders Guidebook, 88 p. (10/16)
NextGEN for Airports, Volume 3: Resources for Airports, (in production for 2016)
NextGEN for Airports, Volume 4: Leveraging NextGen Spatial Data for Airports: Guidebook, 104 p. (11/16)
NextGEN for Airports: A Primer (series brochure, 24 p., 12/16)
152 Evaluating Methods for Determining Interior Noise Levels Used in Airport Sound Insulation Programs, 148 p. (3/16)
153 Guidebook for IROPS Stakeholder Communication & Coordination, 232 p. (4/16)
154 Water Efficiency Management Strategies for Airports, 144 p. (6/16)
155 (on hold for 2017)
156 Guidebook for Managing Compliance with Federal Regulations: An Integrated Approach, 64 p. (5/16)
157 Improving the Airport Customer Experience, 240p. (8/16)
158 Deriving Benefits from Alternative Aircraft-Taxi Systems, 28 p. (8/16)
159 Pavement Maintenance Guidelines for General Aviation Airport Management, 84 p. (9/16)
161 Guidelines for Improving Airport Services for International Customers, 232 p. (10/16)
162 Guidebook for Assessing Airport Lead Impacts, 30 p. (9/16)
163 Guidebooks for Preparing and Using Airport Design Day Flight Schedules, 156 p. (10/16)
164 Exhaust Emissions from In-Use General Aviation Airports, in production for 2016
165 Tracking Alternative Jet Fuel, 68 p. (11/16)

ACRP Research Results Digests
23 Synthesis of Information Related to Airport Practices, 12 p. (1/16)
24 Recommended Community Noise Model Enhancements to Improve Prediction of Helicopter Activity Impacts, 6 p. (1/16)
ACRP Legal Research Digests
27 The Fourth Amendment and Airports, 48 p. (4/16)
28 Operational and Legal Issues with Fuel Farms, 36 p. (6/16)
29 Impact of Firearms Laws on Airports, 68 p. (7/16)
30 Contract Risk Management for Airport Agreements, 40 p. (10/16)

ACRP Synthesis
69 Airport Sustainability Practices—Drivers and Outcomes for Small Commercial and General Aviation Airports, 116 p. (4/16)
70 Building Information Modeling for Airports, 96 p. (5/16)
71 Airport Safety Risk Management Panel Activities and Outcomes, 128 p. (5/16)
72 Tabletop and Fill-Scale Emergency Exercises for General Aviation, Non-Hub, and Small Hub Airports, 164 p. (7/16)
73 Emergency Communications Planning for Airports, 100 p. (7/16)
75 Airport Advisories at Non-Towered Airports, 68 p. (8/16)
76 Helicopter Noise Information for Airports and Communities, 144 p (8/16)
77 Airport Sustainability Practices, 52 p. (9/16)

ACRP Web-Only Documents
26 Methodology to Improve AEDT Quantification of Aircraft Taxi/Idle Emissions, 97 p. (4/16)
27 Methodology to Develop the Airport Terminal Building Energy Use Intensity (ATB-EUI) Benchmarking Tool, 34 p. (4/16)
28 Identifying and Evaluating Airport Workforce Requirements: Phase 1 Report, 120 p. (12/16)
29 Compendium of State and Federal Laws Affecting the Possession of Firearms at Airports, 727 p. (8/16)

NATIONAL COOPERATIVE FREIGHT RESEARCH PROGRAM
NCFRP Reports
36 Enhancing Sleep Efficiency on Vessels in the Tug/Towboat/Barge Industry, 180 p. (1/16)

HAZARDOUS MATERIALS COOPERATIVE RESEARCH PROGRAM
HMCRP Reports
15 pending

HMCRP Web-Only Documents
3 Evaluation of Small Quantities of Class 3 and Class 9 Hazardous Materials in Transportation (12/16)
NATIONAL COOPERATIVE RAIL RESEARCH PROGRAM

NCRRP Reports

5 Developing Multi-State Institutions to Implement Intercity Passenger Rail Programs, 136 p. (5/16)

NCRRP Legal Research Digests

3 Issues That Emerge When Public Entities Acquire a Real Property Interest in Rail Lines, 44 p. (2/16)

NCRRP Web-Only Docs

2 Bibliography and Technical Appendices to Intercity Passenger Rail in the Context of Dynamic Travel Markets, 118 p. (6/16)
3 Documentation of Case Studies for NCRRP Project 07-02, 360 p. (6/16)

CRP CD-ROMs

CRP-CD-177 Supplemental Information for ACRP Report 151 (4/16)
CRP-CD-178 Airport Terminal Building Energy Use Intensity (ATB-EUI) Benchmarking Tool (stand-alone CD) (1/16)
CRP-CD-179 DVDs for N Rep 820
CRP-CD-181 End Use Water Audit Tool (ACRP Report 154) (6/16)
CRP-CD-182 Regulation Compliance Management Tool (ACRP Report 156) (5/16)
CRP-CD-183 NCHRP Report 822 Compendium of Field Data, Documentation, and Photographs (6/16)

PRE-PUBLICATIONS (2016)

NCHRP Report 818: Comparing the Volumetric and Mechanical properties of Laboratory and Field Specimens of Asphalt Concrete, 134 p. (1/16)
NCHRP Report 832: State DOTs Connecting Specialized Transportation Users and Rides, Volume 2: Toolkit for State DOTs… and Others, 47 p. (5/16)
NCHRP Research Report 835: Guidelines for Implementing Managed Lanes, 268 p. (9/16)
NCHRP Research Report 838: Guidelines for Optimizing the Risk and Cost of Materials QA Programs, 266 p. (10/16)


NCRRP Report 5: Developing Multi-State Institutions to Implement Intercity Passenger Rail Programs, 172 p. (1/16)

TCRP Report 186: Economic Impact Case Study Tool for Transit, 115 p. (5/16)
TCRP Report 188: Shared Mobility and the Transformation of Public Transit, 102 p. (7/16)

ACRP Report 157: Improving the Airport Customer Experience, 259 p. (3/16)