

CRP 2018 PUBLICATIONS

(as of December 31, 2018)

Airport Cooperative Research Program

ACRP Publicity Publications

- AR 2018 ACRP 2018 Annual Report of Progress, 86 p. (12/18)
8 5-Year Research Impact Report, 24 p. (12/18)

ACRP Research Reports

- 155 Guidebook for Advanced Computerized Maintenance Management System Integration at Airports, 164 p. (03/18)
183 User Guides for Noise Modeling of Commercial Space Operations--RUMBLE and PCBoom (& WOD 33), 190 p. (04/18)
184 Executive Summary for the Guidebook on Understanding FAA Grant Assurance Obligations (& WOD 44 Vol. 1;& WOD 44 Vol. 2;& WOD 44 Vol. 3;& WOD 44 Vol. 4), 36 p. (05/18)
185 Airport Air Quality Management 101 (& WR 4), 66 p. (06/18)
186 Guidebook on Building Airport Workforce Capacity, 232 p. (09/18)
187 Transportation Emergency Response Application (TERA) Support Materials for Airport EOC Exercises, 126 p. (08/18)
188 Using Existing Airport Management Systems to Manage Climate Risk Smart Guide, 105 p. (11/18)
189 Design Considerations for Airport EOCs, 100 p. (10/18)
190 Common Performance Metrics for Airport Infrastructure and Operational Planning Reference GuideCommon Performance Metrics for Airport Infrastructure and Operational Planning, 180 p. (10/18)
191 A Primer to Prepare for the Connected Airport and the Internet of Things, 88 p. (10/18)
193 Strategies for Airports to Reduce Local Stormwater Utility FeesStrategies for Airports to Reduce Local Stormwater Utility Fees, 88 p. (11/18)

ACRP Legal Research Digests

- 34 Airport Public Health Preparedness and Response: Legal Rights, Powers, and Duties, 60 p. (08/18)
35 Legal Considerations in the Funding and Development of Intermodal Facilities at Airports, 36 p. (08/18)
36 Legal Issues Related Implementation and Operation of SMS for Airports, 29 p. (11/18)

ACRP Syntheses

- 86 Airport Operator Options for Delivery of FBO Services, 100 p. (02/18)

- 87 Airport Participation in Oil and Gas Development, 90 p. (04/18)
- 88 Airport Community, Water Quality Events, and the Aircraft Drinking Water Rule, 56 p. (01/18)
- 89 Clean Vehicles, Fuels, and Practices for Airport Private Ground Transportation Providers, 64 p. (07/18)
- 90 Incorporating ADA and Functional Needs in Emergency Exercises, 38 p. (07/18)
- 91 Microgrids and Their Application for Airports and Public Transit (Joint: TCRP Syn. 137), 68 p. (08/18)
- 92 Airport Waste Management and Recycling Practices, 52 p. (09/18)
- 93 Sustainability's Role in Enhancing Airport Capacity, 74 p. (08/18)

ACRP Web-Only Documents

- 10 State of the Industry Report on Air Quality Emissions from Sustainable Alternative Jet Fuels, 41 p. (04/18)
- 33 Commercial Space Operations Noise and Sonic Boom Modeling and Analysis (& Rep. 183), 91 p. (04/18)
- 36 Enhanced AEDT Modeling of Aircraft Arrival and Departure Profiles: Vol. 1: Guidance Document, 47 p. (09/18); Vol. 2: Research Report, 74 p. (09/18)
- 44 Understanding FAA Grant Assurance Obligations: Vol. 1: Guidebook (& Rep. 184), 275 p. (05/18); Vol. 2: Technical Appendices (& Rep. 184), 185 p. (05/18); Vol. 3: Research Report (& Rep. 184), 43 p. (05/18); Vol. 4: Summary of AIP Grant Assurance Requirements (& Rep. 184), 207 p. (05/18)

ACRP WebResources

- 4 Airport Air Quality Resource Library (& Rep. 185), XXX p. (06/18)
- 5 Tools and Case Studies for NextGen for Airports, XXX p. (09/18)
- 6 Resources for Managing Small Airports (& Rep. 16 Second Edition), XXX p. (12/18)

National Cooperative Highway Research Program

NCHRP Conversion to Words

17-80 NCHRP Report 600, XXX p. (06/18)

NCHRP Pre-publication Reports

- 876 Guidelines for Integrating Safety and Cost-Effectiveness into Resurfacing, Restoration, and Rehabilitation (3R) Projects, 258 p. (07/18)
- 879 Optimal Replacement Cycles of Highway Operations Equipment, 179 p. (02/18)
- 890 Using Recycled Asphalt Shingles with Warm Mix Asphalt Technologies, 291 p. (06/18)
- 893 Systemic Pedestrian Safety Analysis, 113 p. (08/18)
- 894 Evaluating the Performance of Longitudinal Barriers on Curved, Superelevated Roadway Sections, 163 p. (10/18)
- 898 A Guide to Developing Financial Plans and Performance Measures for Transportation Asset Management, 124 p. (10/18)
- 902 Benchmarking and Comparative Measurement for Effective Performance Management by Transportation Agencies, 154 p. (01/18)
- 903 Geotechnical Asset Management for Transportation Agencies: Vol. 1: Implementation Manual (Joint: NCHRP Pre-pub rep 903 Vol. 2), 42 p. (12/18); Vol. 2: Implementation Manual (Joint: NCHRP Pre-pub rep 903 Vol. 1), 42 p. (12/18)

NCHRP Pre-publication Syntheses

- 527 Resilience in Transportation Planning, Engineering, Management, Policy, and Administration, 103 p. (06/18)

NCHRP Publicity Publications

- AR 2018 National Cooperative Highway Research Program 2018 Annual Report of Progress, 56 p. (12/18)
- IDEA AR 2019 NCHRP IDEA Annual Progress Report 2019, 280 p. (11/18)
- IDEA PA 2019 IDEA Program Announcement 2019, 36 p. (12/18)

NCHRP Research Reports

- 855 An Expanded Functional Classification System for Highways and Streets (& WOD 230), 84 p. (06/18)
- 858 Quantifying the Effects of Preservation Treatments on Pavement Performance, 112 p. (10/18)
- 860 Assessing the Environmental Justice Effects of Toll Implementation or Rate Changes: Guidebook and Toolbox (& WOD 237), 424 p. (01/18)
- 865 Guidance for Development and Management of Sustainable Enterprise

- Information Portals (& WOD 241), 132 p. (01/18)
- 866 Return on Investment in Transportation Asset Management Systems and Practices, 180 p. (01/18)
- 868 Cell Phone Location Data for Travel Behavior Analysis, 152 p. (07/18)
- 869 Estimating the Safety Effects of Work Zone Characteristics and Countermeasures: A Guidebook (& WOD 240), 76 p. (01/18)
- 870 Field Performance of Corrugated Pipe Manufactured with Recycled Polyethylene Content, 164 p. (02/18)
- 871 Long-Term Aging of Asphalt Mixtures for Performance Testing and Prediction, 120 p. (03/18)
- 872 Contribution of Steel Casing to Single Shaft Foundation Structural Resistance, 176 p. (04/18)
- 873 Guidebook to Funding Transportation Through Land Value Return and Recycling, 152 p. (04/18)
- 874 The Transportation Research Thesaurus: Capabilities and Enhancements, 112 p. (04/18)
- 875 Guidance for Evaluating the Safety Impacts of Intersection Sight Distance (& WOD 228), 44 p. (03/18)
- 877 Performance-Based Mix Design of Porous Friction Courses, 146 p. (06/18)
- 878 Validation of the Louisiana Interlay Shear Strength Test for Tack Coat, 72 p. (08/18)
- 879 Optimal Replacement Cycles of Highway Operations Equipment, 120 p. (07/18)
- 880 Design Guide for Low-Speed Multimodal Roadways, 279 p. (08/18)
- 881 Traffic Control Devices and Measures for Deterring Wrong-Way Movements, 106 p. (08/18)
- 882 How Weather Affects the Noise You Hear from Highways, 322 p. (07/18)
- 883 Fracture-Critical System Analysis for Steel Bridges, 58 p. (08/18)
- 884 Guidelines for Managing Geotechnical Risks in Design-Build Projects (& WOD 247), 84 p. (08/18)
- 885 Guide to Creating and Sustaining a Culture of Innovation for Departments of Transportation (& WOD 248), 68 p. (10/18)
- 886 Field Evaluation of Reflected Noise from a Single Noise Barrier, 432 p. (10/18)
- 887 Guidance for Underwater Installation of Filter Systems (& WOD 254 Vol. 1; & WOD 254 Vol. 2), 112 p. (10/18)
- 890 Using Recycled Asphalt Shingles with Warm Mix Asphalt Technologies, 208 p. (10/18)
- 892 Guidelines for Shielding Bridge Piers, 106 p. (11/18)
- 893 Systemic Pedestrian Safety Analysis, 110 p. (10/18)
- 895 Simplified Full-Depth Precast Concrete Deck Panel Systems, 156 p. (11/18)
- 896 Updating Regional Transportation Planning and Modeling Tools to Address Impacts of Connected and Automated Vehicles: Vol. 1: Executive Summary, 30

- p. (11/18); Vol. 2: Guidance, 96 p. (11/18)
- 897 Tools to Facilitate Implementation of Effective Metropolitan Freight Transportation Strategies, 116 p. (12/18)
- 900 Guide for the Analysis of Multimodal Corridor Access Management (& WOD 256), 124 p. (12/18)

NCHRP Syntheses

- 515 Practices for Preventing Roadway Departures, 58 p. (06/18)
- 516 Tack Coat Specifications, Materials, and Construction Practices, 128 p. (05/18)
- 517 Corrosion Protection for Extending Steel Bridge Service Life, 84 p. (07/18)
- 518 Staffing for Alternative Contracting Methods, 122 p. (07/18)
- 519 The Renewal of Stormwater Systems Using Trenchless Technologies, 56 p. (06/18)
- 520 Integrated Transportation and Land Use Models, 90 p. (06/18)
- 521 Investment Prioritization Methods for Low-Volume Roads, 76 p. (05/18)
- 523 Integration of Roadway Safety Data from State and Local Sources, 92 p. (10/18)
- 524 Aggregate Quality Requirements for Pavements, 100 p. (07/18)
- 525 Practices in One-Lane Traffic Control on a Two-Lane Rural Highway, 152 p. (06/18)
- 526 Inertial Profiler Certification for Evaluation of International Roughness Index, 108 p. (07/18)
- 527 Resilience in Transportation Planning, Engineering, Management, Policy, and Administration, 86 p. (12/18)
- 528 Analyzing Data for Measuring Transportation Performance by State DOTs and MPOs, 62 p. (12/18)
- 529 How Transportation Agencies Assess the Value of Added Capacity Highway Projects versus Other Modal Projects and Strategies, 70 p. (08/18)
- 530 Construction and Rehabilitation of Concrete Pavements Under Traffic, 92 p. (08/18)

NCHRP Web-Only Documents

- 228 Safety Impacts of Intersection Sight Distance (& Rep. 875), 119 p. (03/18)
- 230 Developing an Expanded Functional Classification System for More Flexibility in Geometric Design (& Rep. 855), 230 p. (06/18)
- 240 Analysis of Work Zone Crash Characteristics and Countermeasures (& Rep. 869), 74 p. (02/18)
- 241 Development and Management of Sustainable Information Portals (& Rep. 865), 248 p. (01/18)
- 242 Recommended AASHTO Guide Specifications for ABC Design and Construction, 193 p. (02/18)
- 243 Recommended Guidelines for Prefabricated Bridge Elements and Systems Tolerances and Recommended Guidelines for Dynamic Effects for Bridge

Systems, 177 p. (01/18)

NCHRP Web-Only Documents

- 245 Bridge Superstructure Tolerance to Total and Differential Foundation Movements, 825 p. (02/18)
- 246 Transportation Air Quality System: Vol. 1: TRAQS User Guide, 153 p. (08/18); Vol. 2: Combined Interface for Project-Level Air Quality Analysis, 60 p. (08/18)
- 247 Managing Geotechnical Risks in Design-Build Projects (& Rep. 884), 279 p. (08/18)
- 248 Research on Creating and Sustaining a Culture of Innovation for Departments of Transportation (& Rep. 885), 95 p. (09/18)
- 249 Combining Individual Scour Components to Determine Total Scour, 289 p. (03/18)
- 250 Use of Automated Machine Guidance (AMG) Within the Transportation Industry, 538 p. (04/18)
- 251 Spot Painting to Extend Highway Bridge Coating Life: Vol. 1: Guidance, 94 p. (04/18); Vol. 2: Research Overview, 73 p. (04/18)
- 252 A Strategic Approach to Transforming Traffic Safety Culture to Reduce Deaths and Injuries, 164 p. (10/18)
- 253 Implications of Connected and Automated Driving Systems: Vol. 1: Legal Landscape, 131 p. (10/18); Vol. 2: State Legal and Regulatory Audit, 206 p. (10/18); Vol. 3: Legal Modification Prioritization and Harmonization Analysis, 95 p. (10/18); Vol. 4: Autonomous Vehicle Action Plan, 65 p. (10/18); Vol. 5: Developing the Autonomous Vehicle Action Plan, 95 p. (10/18); Vol. 6: Implementation Plan, 12 p. (10/18)
- 254 Underwater Installation of Filter Systems for Scour and Erosion Countermeasures: Vol. 1: Research Report (& Rep. 887), 206 p. (10/18); Vol. 2: Training Manual (& Rep. 887), 142 p. (10/18)
- 255 Improved Analysis of Two-Lane Highway Capacity and Operational Performance, 679 p. (07/18)
- 256 Assessing Interactions Between Access Management Treatments and Multimodal Users (& Rep. 900), 389 p. (12/18)
- 257 A Mechanistic–Empirical Model for Top-Down Cracking of Asphalt Pavements Layers, 214 p. (10/18)

Rail Safety IDEA

Safety Publicity Publications

IDEA AR 2019 Rail Safety IDEA Program Annual Report 2019, 82 p. (11/18)

Transit Cooperative Research Program

TCRP Pre-publication LRDs

53 Legal Considerations in Evaluating Relationships Between Transit Agencies and Ride-Sourcing Service Providers, 412 p. (04/18)

TCRP Pre-publication Reports

- 195 Broadening Understanding of the Interplay Between Public Transit, Shared Mobility, and Personal Automobiles, 104 p. (01/18)
- 196 Private Transit: Existing Services and Emerging Directions, 89 p. (01/18)
- 197 Tools for a Sustainable Transit Agency, 97 p. (02/18)
- 198 The Relationship Between Transit Asset Condition and Service Quality, 110 p. (03/18)
- 199 Transit Technical Training: Vol. 1: Guide to Applying Best Practices and Sharing Resources, 130 p. (05/18); Vol. 2: Guide to Overcoming Barriers to Implementing Best and Innovative Training, 136 p. (05/18)
- 200 Contracting Commuter Rail Services: Vol. 1: Guidebook, 207 p. (09/18); Vol. 2: Commuter Rail Profiles, 133 p. (09/18)
- 201 Understanding Changes in Demographics, Preferences, and Markets for Public Transportation, 391 p. (06/18)
- 202 Examining the Effects of Separate NEMT Brokerages on Transportation Coordination: A Handbook, 215 p. (07/18)
- 203 Dialysis Transportation: Intersection of Transportation and Healthcare
Transportation: Intersection of Transportation and Healthcare, 136 p. (Exp. Q1)

TCRP Publicity Publications

AR 2017 TCRP 2017 Annual Report of Progress, 113 p. (01/18)

AR 2018 Transit Cooperative Research Program 2018 Annual Report of Progress, XXX p. (12/18)

IDEA IDEA Program Poster 2019, 1 p. (12/18)

TCRP Publicity Publications

IDEA AR 2019 Transit IDEA Program Annual Report 2019, 184 p. (11/18)

IDEA BRW Funding for Inventors, 1 p. (12/18)
2019

TCRP Research Reports

- 193 Tools and Strategies for Eliminating Assaults Against Transit Operators: Vol. 1: Research Overview, 154 p. (05/18); Vol. 2: User Guide, 124 p. (05/18)
- 194 Knowledge Management Resource to Support Strategic Workforce Development for Transit Agencies, 212 p. (02/18)
- 195 Broadening Understanding of the Interplay Among Public Transit, Shared

- Mobility, and Personal Automobiles, 94 p. (06/18)
- 196 Private Transit: Existing Services and Emerging Directions, 68 p. (04/18)
- 197 Tools for a Sustainable Transit Agency, 86 p. (06/18)
- 198 The Relationship Between Transit Asset Condition and Service Quality, 116 p. (08/18)
- 199 Transit Technical Training: Vol. 1: Guide to Applying Best Practices and Sharing Resources, 110 p. (07/18); Vol. 2: Guide to Overcoming Barriers to Implementing Best and Innovative Training, 130 p. (07/18)
- 200 Contracting Commuter Rail Services: Vol. 1: Guidebook, 184 p. (11/18); Vol. 2: Commuter Rail System Profiles, 136 p. (11/18)
- 201 Understanding Changes in Demographics, Preferences, and Markets for Public Transportation, 92 p. (10/18)
- 202 Handbook for Examining the Effects of Non-Emergency Medical Transportation Brokerages on Transportation Coordination, 166 p. (10/18)

TCRP Research Results Digests

- 114 Synthesis of Information Related to Transit Practices Research Results Digest 114, 12 p. (01/18)

TCRP Legal Research Digests

- 52 Legal Implications of Video Surveillance on Transit Systems, 46 p. (03/18)
- 53 Legal Considerations in Evaluating Relationships Between Transit Agencies and Ridesourcing Service Providers, 236 p. (06/18)
- 54 Impact of the Americans with Disabilities Act on Transit Agency Liability, 70 p. (12/18)

TCRP Syntheses

- 130 Battery Electric Buses—State of the Practice, 194 p. (03/18)
- 131 College Student Transit Pass Programs, 138 p. (03/18)
- 132 Public Transit and Bikesharing, 104 p. (04/18)
- 133 Administration of ADA Paratransit Eligibility Appeal Programs, 102 p. (03/18)
- 134 Customer-Focused Service Guarantees and Transparency Practices, 128 p. (03/18)
- 135 ADA Paratransit Service Models, 256 p. (04/18)
- 136 Contracting Fixed-Route Bus Transit Service, 148 p. (04/18)
- 137 Microgrids and Their Application for Airports and Public Transit (Joint: ACRP Syn. 91), 68 p. (08/18)

TCRP IDEAs

- 83 Track Circuit Monitoring Tool: Standardization and Deployment at CTA, 31 p. (10/18)

TCRP Web-Only Documents

71 A Transit Agency Guide to Evaluating Secondary Train Detection/Protection Systems in Communications-Based Train Control Systems, 93 p. (03/18)