CRP 2018 PUBLICATIONS
(as of December 31, 2018)

Airport Cooperative Research Program

ACRP Publicity Publications
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)
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 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)
<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Pages</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>87</td>
<td>Airport Participation in Oil and Gas Development</td>
<td>90 p.</td>
<td>(04/18)</td>
</tr>
<tr>
<td>88</td>
<td>Airport Community, Water Quality Events, and the Aircraft Drinking Water Rule</td>
<td>56 p.</td>
<td>(01/18)</td>
</tr>
<tr>
<td>89</td>
<td>Clean Vehicles, Fuels, and Practices for Airport Private Ground Transportation Providers</td>
<td>64 p.</td>
<td>(07/18)</td>
</tr>
<tr>
<td>90</td>
<td>Incorporating ADA and Functional Needs in Emergency Exercises</td>
<td>38 p.</td>
<td>(07/18)</td>
</tr>
<tr>
<td>91</td>
<td>Microgrids and Their Application for Airports and Public Transit (Joint: TCRP Syn. 137)</td>
<td>68 p.</td>
<td>(08/18)</td>
</tr>
<tr>
<td>92</td>
<td>Airport Waste Management and Recycling Practices</td>
<td>52 p.</td>
<td>(09/18)</td>
</tr>
<tr>
<td>93</td>
<td>Sustainability's Role in Enhancing Airport Capacity</td>
<td>74 p.</td>
<td>(08/18)</td>
</tr>
</tbody>
</table>

**ACRP Web-Only Documents**

<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Pages</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>Commercial Space Operations Noise and Sonic Boom Modeling and Analysis (&amp; Rep. 183)</td>
<td>91 p.</td>
<td>(04/18)</td>
</tr>
<tr>
<td>44</td>
<td>Understanding FAA Grant Assurance Obligations: Vol. 1: Guidebook (&amp; Rep. 184)</td>
<td>275 p.</td>
<td>(05/18)</td>
</tr>
<tr>
<td></td>
<td>Vol. 2: Technical Appendices (&amp; Rep. 184)</td>
<td>185 p.</td>
<td>(05/18)</td>
</tr>
<tr>
<td></td>
<td>Vol. 4: Summary of AIP Grant Assurance Requirements (&amp; Rep. 184)</td>
<td>207 p.</td>
<td>(05/18)</td>
</tr>
</tbody>
</table>

**ACRP WebResources**

<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Pages</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Airport Air Quality Resource Library (&amp; Rep. 185)</td>
<td>XXX p.</td>
<td>(06/18)</td>
</tr>
<tr>
<td>5</td>
<td>Tools and Case Studies for NextGen for Airports</td>
<td>XXX p.</td>
<td>(09/18)</td>
</tr>
</tbody>
</table>
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)
902 Benchmarking and Comparative Measurement for Effective Performance Management by Transportation Agencies, 154 p. (01/18)

NCHRP Pre-publication Syntheses

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

NCHRP Publicity Publications

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)

Return on Investment in Transportation Asset Management Systems and Practices, 180 p. (01/18)

Cell Phone Location Data for Travel Behavior Analysis, 152 p. (07/18)

Estimating the Safety Effects of Work Zone Characteristics and Countermeasures: A Guidebook (& WOD 240), 76 p. (01/18)

Field Performance of Corrugated Pipe Manufactured with Recycled Polyethylene Content, 164 p. (02/18)

Long-Term Aging of Asphalt Mixtures for Performance Testing and Prediction, 120 p. (03/18)

Contribution of Steel Casing to Single Shaft Foundation Structural Resistance, 176 p. (04/18)

Guidebook to Funding Transportation Through Land Value Return and Recycling, 152 p. (04/18)

The Transportation Research Thesaurus: Capabilities and Enhancements, 112 p. (04/18)

Guidance for Evaluating the Safety Impacts of Intersection Sight Distance (& WOD 228), 44 p. (03/18)

Performance-Based Mix Design of Porous Friction Courses, 146 p. (06/18)

Validation of the Louisiana Interlay Shear Strength Test for Tack Coat, 72 p. (08/18)

Optimal Replacement Cycles of Highway Operations Equipment, 120 p. (07/18)

Design Guide for Low-Speed Multimodal Roadways, 279 p. (08/18)

Traffic Control Devices and Measures for Deterring Wrong-Way Movements, 106 p. (08/18)

How Weather Affects the Noise You Hear from Highways, 322 p. (07/18)

Fracture-Critical System Analysis for Steel Bridges, 58 p. (08/18)

Guidelines for Managing Geotechnical Risks in Design-Build Projects (& WOD 247), 84 p. (08/18)

Guide to Creating and Sustaining a Culture of Innovation for Departments of Transportation (& WOD 248), 68 p. (10/18)

Field Evaluation of Reflected Noise from a Single Noise Barrier, 432 p. (10/18)


Using Recycled Asphalt Shingles with Warm Mix Asphalt Technologies, 208 p. (10/18)

Guidelines for Shielding Bridge Piers, 106 p. (11/18)

Systemic Pedestrian Safety Analysis, 110 p. (10/18)

Simplified Full-Depth Precast Concrete Deck Panel Systems, 156 p. (11/18)

Updating Regional Transportation Planning and Modeling Tools to Address Impacts of Connected and Automated Vehicles: Vol. 1: Executive Summary, 30
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  Intertial 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
NCHRP Web-Only Documents

245 Bridge Superstructure Tolerance to Total and Differential Foundation Movements, 825 p. (02/18)


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)


255 Improved Analysis of Two-Lane Highway Capacity and Operational Performance, 679 p. (07/18)


Rail Safety IDEA
Safety Publicity Publications
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)
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, 136 p. (Exp. Q1)

TCRP Publicity Publications
AR 2017 TCRP 2017 Annual Report of Progress, 113 p. (01/18)
IDEA IDEA Program Poster 2019, 1 p. (12/18)

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

TCRP Research Reports
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)

Private Transit: Existing Services and Emerging Directions, 68 p. (04/18)

Tools for a Sustainable Transit Agency, 86 p. (06/18)

The Relationship Between Transit Asset Condition and Service Quality, 116 p. (08/18)


Understanding Changes in Demographics, Preferences, and Markets for Public Transportation, 92 p. (10/18)

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