



NJ DEPARTMENT OF TRANSPORTATION

RESEARCH LIBRARY

SELECTED RECENT ACQUISITIONS

April - June 2018

The resources reported in this issue are listed by main subject area and then alphabetically by title. Each item is listed only once, so please check related subjects for additional materials that may be of interest. If you would like to see any of these items and there is no link to an online version, please contact the Research Library at library@dot.state.nj.us (Library, DOT) or call 609-530-5289 for these or any other publications.

Administration and Management

AASHTO Partnering Handbook /

American Association of State Highway and Transportation Officials, Committee on Construction, Technical Subcommittee on Contract Administration -- 2nd edition -- Washington, DC : AASHTO, 2018 (Pub. Code: APH-2), 153 pp <https://bookstore.transportation.org>

Financing and Pricing /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2670), 94 pp. <https://trrjournalonline.trb.org/toc/trr/2670>

Getting to Yes: Negotiating Agreement without Giving In /

Roger Fisher and William Ury; Bruce Patton, editor -- 3rd ed. -- New York : Penguin Books, 2011- r, 204 pp.

Guidebook to Funding Transportation Through Land Value Return and Recycling /

Sharada Vadali et al. -- Washington, DC : Transportation Research Board, 2018 (NCHRP Research Report 873), various pagings

Investment Prioritization Methods for Low-Volume Roads /

Naomi Stein, Glen Weisbrod, and Mark Sieber -- Washington, DC : Transportation Research Board, 2018 (NCHRP Synthesis 521), 74 pp. <http://www.trb.org/Publications/Blurbs/177656.aspx>

Revenue, Finance, Pricing, and Economics /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2606), 129 pp. <https://trrjournalonline.trb.org/toc/trr/2606/>

Survey of State Funding for Public Transportation - Final Report 2018 - FY 2016 Data /

American Association of State Highway and Transportation Officials -- 12th edition -- Washington, DC : AASHTO, 2018 (Pub. Code: SSFP-12), 238 pp. <https://store.transportation.org/> - login required

Aviation

Airport Participation in Oil and Gas Development /

Lois S. Kramer et al. -- Washington, DC : Transportation Research Board, 2018 (ACRP Synthesis 87), 81 pp. <http://www.trb.org/Publications/Blurbs/177511.aspx>

Aviation /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2626), 105 pp. <https://trjournalonline.trb.org/toc/trr/2626/>

Executive Summary for the Guidebook on Understanding FAA Grant Assurance Obligations /

Barry Molar -- Washington, DC : Transportation Research Board, 2018 (ACRP Research Report 184), 25 pp. <http://www.trb.org/Publications/Blurbs/177621.aspx>

User Guides for Noise Modeling of Commercial Space Operations - RUMBLE and PCBOOM /

Kevin A. Bradley et al. -- Washington, DC : Transportation Research Board, 2018 (ACRP Research Report 183), 179 pp.

Bicycles and Pedestrians

Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way [Electronic] /

Architectural and Transportation Barriers Compliance Board -- Washington, DC : United States Access Board, 2011-07 (36 CFR Part 1190 [Docket No. ATBCB 2011-04]), 114 pp. ; Supplemental Notice 8 pp. <https://www.access-board.gov/guidelines-and-standards/streets-sidewalks/public-rights-of-way/proposed-rights-of-way-guidelines> ; <https://www.access-board.gov/attachments/article/743/nprm.pdf> ; <https://www.federalregister.gov/documents/2013/02/13/2013-03298/accessibility-guidelines-for-pedestrian-facilities-in-the-public-right-of-way-shared-use-paths>

Bicycles /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2662), 178 pp. <https://trjournalonline.trb.org/toc/trr/2662/>

A Novel Collision Avoidance System for a Bicycle /

Woongaun Jeon and Rajesh Rajamani -- Minneapolis, MN : University of Minnesota, Dept. of Mechanical Engineering ; University of Minnesota, Roadway Safety Institute, Center for Transportation Studies (CTS), 2018-04 (CTS 18-06), 43 pp. <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2684>

Pedestrians /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2661), 125 pp. <https://trjournalonline.trb.org/toc/trr/2661/>

Bridges and Structures

Best Practices for Construction and Repair of Bridge Approaches and Departures /

Qing Lu et al. -- Tampa, FL : University of South Florida, College of Engineering, Dept. of Civil and Environmental Engineering ; Tallahassee, FL : Florida Dept. of Transportation, 2018-03 (FDOT BDV25-977-31), 152 pp. http://www.fdot.gov/research/Completed_Proj/Summary_SMO/FDOT-BDV25-977-31-rpt.pdf

Contribution of Steel Casing to Single Shaft Foundation Structural Resistance /

Michel Bruneau, Hadi Kenarnagi, and Thomas M. Murphy -- Washington, DC : Transportation Research Board, 2018 (NCHRP Research Report 872), 167 pp.

Corrosion Forecasting and Failure Projection of Post-Tension Tendons Cementitious Grout /

William H. Hart and Seung-Kyoung Lee -- Chantilly, VA : Engineering & Software Consultants ; McLean, VA : Federal Highway Administration, Office of Infrastructure Research and Development, 2018-05 (FHWA-HRT-17-074), 240 pp.
<https://www.fhwa.dot.gov/publications/research/infrastructure/bridge/17074/17074.pdf>

Development of 3D and 4D Bridge Models and Plans /

Joseph Brenner et al. -- Detroit, MI : WSP Michigan, Inc. ; Lansing, MI : Michigan Dept. of Transportation (MDOT), 2018-05 (SPR-1647), 188 pp.
https://www.michigan.gov/documents/mdot/SPR-1647_-_Development_of_3D_and_4D_Bridge_Models_and_Plans_624125_7.pdf

Development of a Computational Framework for Big Data-Driven Prediction of Long-Term Bridge Performance and Traffic Flow /

In Ho Cho et al. -- Ames, IA : Iowa State University, Institute for Transportation ; Midwest Transportation Center, 2018-04, 52 pp.
http://www.intrans.iastate.edu/research/documents/research-reports/big_data-driven_bridge_performance_w_cvr.pdf

Errata for AASHTO LRFD Bridge Construction Specifications, 4th Edition (LRFDCONS-4) [Looseleaf] /

American Association of State Highway and Transportation Officials, Highway Subcommittee on Bridges and Structures, 2016 -- Washington, DC : AASHTO, 2018-03 (Pub. Code: LRFDCONS-4-E1), 4 pp.
<http://downloads.transportation.org/LRFDCONS-4-Errata.pdf>

Evaluation of 3-D Laser Scanning Equipment: 2018 Final Report /

Gregory Renshaw, James Meister, and Ryan Culton -- Urbana, IL : University of Illinois at Urbana-Champaign, Dept. of Civil and Environmental Engineering, Illinois Center for Transportation ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Research, 2018-05 (FHWA-ICT-18-007), 52 pp. <https://apps.ict.illinois.edu/projects/getfile.asp?id=7548>

Evaluation of Different Types of Waterproofing Membranes (Asphaltic and Non-Asphaltic) as Cost Effective Bridge Deck Barriers in Reducing Corrosive Chloride Effects /

Yunping Xi, Linfel Li, and Renee Railsback -- Boulder, CO : University of Colorado, Dept. of Civil Engineering ; Denver, CO : Colorado Dept. of Transportation - Research, 2018-06 (CDOT-2018-16), 72 pp. <https://www.codot.gov/programs/research/pdfs/2018-Research-Reports/wpm-bridge/view>

Evaluation of New or Emerging Remote Inspection Technologies for Conduits Ranging from 12" to 120" Spans /

Teruhisa Masada, Paul Riley, and Maarten Uijt de Haag -- Athens, OH : Ohio University, College of Engineering & Technology ; Randolph, VT : Applied Research Associates ; Columbus, OH : Ohio Dept. of Transportation, Research Section, 2017-12 (FHWA/OH-2017-46), 151 pp.
<http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/16056>

Experimental Investigation of the Effect of Surface Markings on the Mechanical Integrity of Weathering Bridge Steels - Phase III /

Michele V. Manual -- Gainesville, FL : University of Florida ; Tallahassee, FL : Florida Dept. of Transportation, 2018-02 (FDOT BDV31-977-84), 37 pp.
http://www.fdot.gov/research/Completed_Proj/Summary_SMO/FDOT-BDV31-977-84-rpt.pdf

Geosynthetic Reinforced Soil-Integrated Bridge System Evaluation - Final Report /

David Epstein, Jonathan Badgley, and Chris Calley -- Cambridge, MA : Volpe National Transportation Systems Center ; McLean, VA : Federal Highway Administration, Office of Corporate Research, Technology, and Innovation Management, 2018-04 (FHWA-HRT-17-073), 76 pp.
<https://www.fhwa.dot.gov/publications/research/randt/evaluations/17073/17073.pdf>

Instrumentation to Aid in Steel Bridge Fabrication: Bridge Virtual Assembly System /

Paul A. Fuchs and Steven B. Chase -- Leesburg, VA : Fuchs Consulting, Inc. ; Richmond, VA : Virginia Dept. of Transportation ; Richmond, VA : Federal Highway Administration, 2018-05 (FHWA/VTRC 18-R23), 76 pp. http://www.virginiadot.org/vtrc/main/online_reports/pdf/18-r23.pdf

Investigation of Seismic Performance and Design of Typical Curved and Skewed Bridges in Colorado /

Suren Chen et al. -- Fort Collins, Co : Colorado State University ; Denver, CO : Colorado Dept. of Transportation - Research, 2018-01 (CDOT 2018-08), 187 pp.
<https://www.codot.gov/programs/research/pdfs/2018-Research-Reports/2018-08/view>

Joint Removal Implications - Thermal Analysis and Life-Cycle Cost /

Hussam Mahmoud et al. -- Fort Collins, CO : Colorado State University ; Denver, CO : Colorado Dept. of Transportation - Research, 2018-04 (CDOT-2018-12), 209 pp.
<https://www.codot.gov/programs/research/pdfs/2018-Research-Reports/2018-12/view>

Longitudinal Joint Repair Best Practices for the Ohio Department of Transportation /

Gregory M. Duncan et al. -- Urbana, IL : Applied Pavement Technology, Inc. ; Columbus, OH : Ohio Dept. of Transportation, 2017-07 (FHWA/OH-2017-39), 164 pp.
<http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/15768>

Low Cost Wireless Fatigue Crack Monitoring System Using RFID Arrays /

Rosana Martinez-Castro and Shinae Jang -- Storrs, CT : University of Connecticut, Connecticut Transportation Institute ; Newington, CT : Connecticut Dept. of Transportation, 2018-03 (JHR 18-330), 115 pp.
http://www.ct.gov/dot/lib/dot/documents/dresearch/CCTRP_Report_JHR_18-330_Project_No._16-01.pdf

A Management Plan for Historic Bridges in Virginia: The 2017 Update /

Ann B. Miller -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2018-04 (FHWA/VTRC 18-R6), 153 pp.
http://www.virginiadot.org/vtrc/main/online_reports/pdf/18-r6.pdf

Precast, Prestressed Concrete Bent Caps - Volume 1: Preliminary Design Considerations and Experimental Test Program /

Anna C. Birely et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2018-04 (FHWA/TX-18/0-6863-R1-Vol1), 320 pp. <http://tti.tamu.edu/documents/0-6863-R1-Vol1.pdf>

Precast, Prestressed Concrete Bent Caps - Volume 2: Design Recommendations and Design Examples /

Anna C. Birely et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2018-04 (FHWA/TX-17/0-6863-R1-Vol2), 200 pp. <https://ti.tamu.edu/documents/0-6863-R1-Vol2.pdf>

Structures /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2642), 186 pp. <https://trjournalonline.trb.org/toc/trr/2642/>

Use of Ultra-High-Performance Concrete for Bridge Deck Overlays /

Hartanto Wibowo and Sri Sritharan -- Ames, IA : Iowa State University, Bridge Engineering Center ; Iowa Dept. of Transportation, Iowa Highway Research Board, 2018-03 (IHRB Project TR-683), 72 pp. <http://publications.iowa.gov/27040/1/TR-683%20Final%20Report%20Use%20of%20Ultra-High-Performance%20Concrete%20for%20Bridge%20Deck%20Overlays.pdf>

Wireless Data Collection Retrievals of Bridge Inspection/Management Information /

Colin N. Brooks et al. -- Houghton, MI : Michigan Technological University ; Lansing MI : Michigan Dept. of Transportation, Research Administration Section, 2017-02 (RC-1634), 42 pp., plus appendices https://www.michigan.gov/documents/mdot/SPR1634_572333_7.pdf

Communications

Emergency Alert and Warning Systems: Current Knowledge and Future Research Directions /

Committee on the Future of Emergency Alert and Warning System: Research Directions, Computer Science and Telecommunications Board, Division on Engineering and Physical Sciences -- Washington, DC : National Academies Press, 2018, 143 pp. <https://doi.org/10.17226/24935>

Intersections of Transportation and Telecommunications: Findings by the 2016 Chan Wui and Yunyin Rising Star Fellows /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2658), 63 pp. [https://trjournalonline.trb.org/toc/trr/2017/2658/+](https://trjournalonline.trb.org/toc/trr/2017/2658/)

Construction

Alternative Contracting Method Performance in U.S. Highway Construction [TechBrief] /

Turner-Fairbank Highway Research Center -- McLean, VA : U.S. Dept. of Transportation, Federal Highway Administration, TFHRC, 2018-04 (FHWA-HRT-17-100), 20 pp. <https://www.fhwa.dot.gov/publications/research/infrastructure/17100/17100.pdf>

Construction /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2630), 155 pp. <https://trjournalonline.trb.org/toc/trr/2630/>

Steel Construction Manual - 15th Edition /

American Institute of Steel Construction -- 15th edition -- Chicago : AISC, 2017, various pagings

Energy and Environment

Air Quality /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2627), 102 pp. <https://trjournalonline.trb.org/toc/trr/2627/>

California's Continued Electric Vehicle Market Development [TechBrief] /

International Council on Clean Transportation -- Brussels : ICCT, 2018-05, 16 pp.
<https://www.theicct.org/sites/default/files/publications/CA-cityEV-Briefing-20180507.pdf>

Designing Base and Subbase to Resist Environmental Effects on Pavements /

Matthew S. Oman and Neil G. Lund -- Bloomington, MN : Braun Intertec Corporation ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2018-02 (MN/RC 2018-06), 157 pp.
<http://www.dot.state.mn.us/research/reports/2018/201806.pdf>

Determination of Real-World Emissions from Passenger Vehicles Using Remote Sensing Data /

Yoann Bernard et al. -- Brussels : International Council on Clean Transportation (ICCT), 2018-06, 31 pp.
https://www.theicct.org/sites/default/files/publications/TRUE_Remote_sensing_data_20180606.pdf

Emissions from Plug-in Hybrid Electric Vehicle (PHEV) During Real World Driving Under Various Weather Conditions /

Heejung Jung and Chengguo Li -- Riverside, CA : University of California at Riverside ; National Center for Sustainable Transportation, 2018-02, 21 pp.
https://ncst.ucdavis.edu/wp-content/uploads/2016/11/NCST-Jung_PHEV-Emissions-Variou-Weather-Conditions_Final-Report_FEB-2018.pdf

Environment and Energy /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2628), 128 pp.

Evaluation of Energy Efficient Options to Heat Ohio Department of Transportation (ODOT) Maintenance Facilities /

Josh Foor -- Miamisburg, OH : Entriq Solutions ; Columbus, OH : Ohio Dept. of Transportation, 2018-01 (FHWA/ oh-2018-03), 128 pp.
<http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/16115>

Evaluation of Successful Forested Wetland Mitigation in Iowa /

Jan R. Thompson, Timothy W. Stewart, and William G. Heber -- Ames, IA : Iowa State University, Institute for Transportation ; Ames, IA : Iowa Dept. of Transportation, 2018-05 (InTrans Project 14-515), 82 pp.
http://www.intrans.iastate.edu/research/documents/research-reports/eval_of_successful_forested_wetland_mitigation_iowa_w_cvr.pdf

Federal Highway Administration Research and Technology Evaluation Final Report: Eco-Logical /

Gina Solman, Jessica Baas, and Heather Hannon -- Cambridge, MA : U.S. Dept. of Transportation, John A. Volpe National Transportation Systems Center ; McLean, VA : Federal Highway Administration, Office of Corporate Research, Technology, and Innovation Management, 2018-03 (FHWA-HRT-17-036), 124 pp.
<https://www.fhwa.dot.gov/publications/research/randt/evaluations/17036/17036.pdf>

How Will Off-Cycle Credits Impact U.S. 2025 Efficiency Standards? /

Nic Lutsey and Aaron Isenstadt -- Washington, DC : International Council on Clean Transportation (ICCT), 2018-03, 49 pp.
https://www.theicct.org/sites/default/files/publications/Off-Cycle-Credits_ICCT-White-Paper_vF_20180327.pdf

Infiltration Basins: Standards and Procedures to Ensure Performance /

CTC & Associates LLC -- St. Paul, MN : Minnesota Dept. of Transportation, Office of Transportation System Management, Research Services & Library, 2018-02 (TRS 1801), 47 pp.
<http://dot.state.mn.us/research/TRS/2018/TRS1801.pdf>

Reducing Shipping Greenhouse Gas Emissions: Lessons from Port-Based Incentives /

International Transport Forum -- Paris : OECD, 2018 (Case-Specific Policy Analysis Reports), 38 pp.
<https://www.itf-oecd.org/sites/default/files/docs/reducing-shipping-greenhouse-gas-emissions.pdf>

State Highway 9 Wildlife Crossings Monitoring - Year 2 Report: December 2015 through April 2017 /

Julia Kintsch et al. -- Denver, CO : Colorado Dept. of Transportation, Applied Research and Innovation, 2018-03 (CDOT 2018-06), 77 pp.
<https://www.codot.gov/programs/research/pdfs/2018-Research-Reports/2018-06/view>

Storm Water BMP Tool Implementation Testing /

Melanie Knecht, Tom Dietrich, and Mark McCabe -- Columbus, OH : Gresham, Smith, and Partners ; Ohio Dept. of Transportation, 2017-12 (FHWA/OH-2017/42), 101 pp.
<http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/16210>

Synchronizing Environmental Reviews for Transportation and Other Infrastructure Projects: 2015 Red Book /

Federal Highway Administration, Office of Project Development and Environmental Review et al. -- Washington, DC : FHWA, 2015-09 (FHWA-HEP-15-047), 104 pp.
https://www.environment.fhwa.dot.gov/pubs_resources_tools/publications/RedBook_2015.aspx?utm_content=&utm_medium=email&utm_source=govdelivery

Systems Resilience and Climate Change /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2604), 143 pp. <https://trjournalonline.trb.org/toc/trr/2604/>

Freight / Goods Movement

Best Practices in Permitting Oversize and Overweight Vehicles - Final Report /

Ron Schaefer and Steven Todd -- Reston, VA : Leidos ; Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, 2018-02 (FHWA-HOP-17-061), 72 pp.
<https://ops.fhwa.dot.gov/publications/fhwahop17061/fhwahop17061.pdf>

Freight Systems - Volume 1 /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2609), 92 pp. <https://trjournalonline.trb.org/toc/trr/2609/>

Freight Systems - Volume 2 /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2610), 107 pp. <https://trjournalonline.trb.org/toc/trr/2610/>

Managing Performance and Assets; Freight Data and Visualization /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2646), 92 pp. <https://trjournalonline.trb.org/toc/trr/2646/>

Online Systems for Oversize and Overweight Freight Permitting and Motor Carrier Credentialing /

CTC & Associates LLC -- St. Paul, MN : Minnesota Dept. of Transportation, Office of Transportation System Management, Research Services & Library, 2017-09 (TRS 1704), 73 pp. <http://dot.state.mn.us/research/TRS/2017/TRS1704.pdf>

A Real-Time Truck Availability for the State of Wisconsin /

Ted Morris et al. -- Minneapolis, MN : University of Minnesota, Dept. of Computer Science and Engineering ; Center for Transportation Studies, 2018-05 (CTS 18-11), 75 pp. <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2690>

Geotechnical

Foundation Reuse: Length, Condition, and Capacity of Existing Driven Piles /

Andrew Z. Boeckmann, Brent L. Rosenblad, and John J. Bowders -- Columbia, MO : University of Missouri-Columbia, Dept. of Civil & Environmental Engineering; Jefferson City, MO : Missouri Dept. of Transportation, Construction and Materials Division, 2018-05 (cmr 18-008), 70 pp. <https://library.modot.mo.gov/RDT/reports/TR201714/cmr18-008.pdf>

Geological, Geoenvironmental, and Geotechnical Engineering - Volume 3 /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2657), 108 pp. <https://trjournalonline.trb.org/toc/trr/2657/>

GIS/GPS

Evaluation of Low-Cost, Centimeter-Level Accuracy OEM GNSS Receivers /

John Jackson et al. -- Minneapolis, MN : University of Minnesota -Twin Cities, Dept. of Aerospace Engineering and Mechanics ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2018-02 (MN/RC 2018-10), 55 pp. <http://www.dot.state.mn.us/research/reports/2018/201810.pdf>

Highway Design

Evaluate Alternatives to Right of Way Drainage Control along the Interstate /

Shawn Arden and Holly Yaryan Hall -- Columbus, OH : EMH&T ; Ohio Dept. of Transportation, 2017-12 (FHWA/OH-2018-05), 121 pp. <http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/16279>

Guidance for Evaluating the Safety Impacts of Intersection Sight Distance /

Kimberly Eccles et al. -- Washington, DC : Transportation Research Board, 2108 (NCHRP Research Report 875), 44 pp. <http://www.trb.org/Publications/Blurbs/177421.aspx>

Operational Effects of Geometrics and Access Management /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2618), 99 pp. <https://trjournalonline.trb.org/toc/trr/2618/>

Human Resources

2017 AASHTO Salary Survey /

Colorado Department of Transportation, Division of Human Resources -- Washington, DC : American Association of State Highway and Transportation Officials (AASHTO), Subcommittee on Human Resources, 2018-03 (Publication Code: SS-17), 96 pp.
https://bookstore.transportation.org/free_publications.aspx?ItemID=3985

Information Management

Data and Methods to Understand Travel /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2643), 177 pp. <https://trjournalonline.trb.org/toc/trr/2643/>

Data Management Life Cycle - Final Report /

Kristi Miller et al. -- College Station, TX : Texas A&M Transportation Institute, Transportation Policy Research Center, 2018-03 (PRC 17-84 F), 47 pp. <https://tti.tamu.edu/documents/PRC-17-84-F.pdf>

Information Technology, Geospatial Information, and Advanced Computing /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2645), 202 pp. <https://trjournalonline.trb.org/toc/trr/2645/>

Low Cost Aerial and Spatial Data /

Prepared by Pro-West & Associates, Inc. -- St. Paul, MN : Minnesota Dept. of Transportation, Office of Transportation System Management, Research Services & Library, 2018-03 (TRS 1803), 31 pp.
<http://dot.state.mn.us/research/TRS/2018/TRS1803.pdf>

The Transportation Research Thesaurus: Capabilities and Enhancements /

Gail Hodge and Denise Bedford -- Washington, DC : Transportation Research Board, 2018 (NCHRP Research Report 874), 104 pp. <http://www.trb.org/Publications/Blurbs/177476.aspx>

Use of Automated Machine Guidance within the Transportation Industry /

David White et al. -- Washington, DC : Transportation Research Board, 2017-08 (NCHRP Web-Only Document 250), 538 pp. <http://nap.edu/25084>

Intelligent Transportation Systems (ITS)

Automated Vehicles Symposium 2017: Users, Vehicles, Infrastructure /

Texas A&M Transportation Institute -- Washington, DC : Transportation Research Board, 2018-04 (Transportation Research Circular No. E-C232), 251 pp.
<http://onlinepubs.trb.org/onlinepubs/circulars/ec232.pdf>

Connected and Automated Vehicles /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2625), 69 pp. <https://trjournalonline.trb.org/toc/trr/2625/>

Development of a Simulation Test Bed for Connected Vehicles using the LSU Driving Simulator /

Sherif Ishak et al. -- Baton Rouge, LA : Louisiana State University, Dept. of Civil and Environmental Engineering ; Louisiana Dept. of Transportation and Development, 2018-04 (FHWA/LA.19/586), 79 pp. http://www.ltrc.lsu.edu/pdf/2018/FR_586.pdf ; http://www.ltrc.lsu.edu/pdf/2018/ts_586.pdf

Paving the Way for Autonomous and Connected Vehicle Technologies in the Motor Carrier Industry /

Jill M. Bernard Bracy, Ken Bao, and Ray A. Mundy -- St. Louis, MO : University of Missouri - St. Louis, Center for Transportation Studies ; Ames, IA : Midwest Transportation Center, 2018-05, 52 pp. http://www.intrans.iastate.edu/research/documents/research-reports/CAV_tech_in_motor_carrier_industry_w_cvr.pdf

Safer Roads with Automated Vehicles? /

Corporate Partnership Board -- Paris : OECD, International Transport Forum, 2018, 46 pp. <https://www.itf-oecd.org/sites/default/files/docs/safer-roads-automated-vehicles.pdf>

Legal Issues

Changing Driving Laws to Support Automated Vehicles /

National Transport Commission -- Melbourne VIC : NTC, 2018-05, 93 pp. [http://www.ntc.gov.au/Media/Reports/\(B77C6E3A-D085-F8B1-520D-E4F3DCDFFF6F\).pdf](http://www.ntc.gov.au/Media/Reports/(B77C6E3A-D085-F8B1-520D-E4F3DCDFFF6F).pdf)

Why TNCs Will Be Regulated Like Taxis - Historically Speaking /

Ray A. Mundy -- St. Louis, MO : University of Missouri - St. Louis, Center for Transportation Studies ; Ames, IA : Midwest Transportation Center, 2018-05, 25 pp. http://www.intrans.iastate.edu/research/documents/research-reports/why_TNCs_regulated_like_taxis_w_cvr.pdf

Marine / Waterways

Decarbonising Maritime Transport: Pathways to Zero-Carbon Shipping by 2035 /

International Transport Forum -- Paris : OECD, ITF, 2018 (Case Specific Policy Analysis), 86 pp. <https://www.itf-oecd.org/sites/default/files/docs/decarbonising-maritime-transport.pdf>

The International Maritime Organization's Initial Greenhouse Gas Strategy /

International Council on Clean Transportation -- [Brussels] : ICCT, 2018-04, 8 pp. <https://www.theicct.org/sites/default/files/publications/IMO%20GHG%20strategy%20rapid%20analysis%20vf.pdf>

Materials

Asphalt Materials and Mixtures - Volume 2 /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2632), 149 pp. <https://trjournalonline.trb.org/toc/trr/2632/>

Concrete Materials /

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2629), 111 pp. <https://trjournalonline.trb.org/toc/trr/2629/>

Design and Performance of Cost-Effective Ultra High Performance Concrete for Bridge Deck Overlays /

Kamal H. Khayat and Mahdi Valipour -- Rolla, MO : Missouri University of Science and Technology, Dept. of Civil, Architectural and Environmental Engineering ; Jefferson City, MO : Missouri Dept. of Transportation, Construction and Materials Division, 2018-04 (cmr 18-006), 132 pp.
<https://library.modot.mo.gov/RDT/reports/TR201704/cmr18-006.pdf>

Development of Cost-Effective Ultra-High Performance Concrete (UHPC) for Colorado's Sustainable Infrastructure /

Yail Jimmy Kim -- Denver, CO : University of Colorado Denver ; Colorado Dept. of Transportation - Research, 2018-05 (CDOT-2018-15), 66 pp.
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