



## **Research Library Operations**

**Calendar Year 2017**

**FINAL REPORT**

September 2018

Submitted by

Carol Paszamant

Research Librarian

New Jersey State Library

*An affiliate of Thomas Edison State University*

NJDOT Research Project Manager

Stefanie Potapa

In cooperation with

New Jersey

Department of Transportation

Bureau of Research

and

U. S. Department of Transportation

Federal Highway Administration

## **NOTICE**

The United States government does not endorse products or manufacturers. Trade or manufacturers' names appear herein solely because they are considered essential to the object of this report.

## **DISCLAIMER STATEMENT**

The contents of this report reflect the views of the author who is responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the New Jersey Department of Transportation, the Federal Highway Administration, the New Jersey State Library, or Thomas Edison State University. This report does not constitute a standard, specification, or regulation.

## TECHNICAL REPORT DOCUMENTATION PAGE

<b>1. Report No.</b> FHWA NJ-2018-007	<b>2. Government Accession No.</b>	<b>3. Recipient's Catalog No.</b>	
<b>4. Title and Subtitle</b> <b>FINAL REPORT</b> Research Library Operations – Calendar Year 2017		<b>5. Report Date</b> September 2018	
		<b>6. Performing Organization Code</b>	
<b>7. Author(s)</b> Carol B. Paszamant <a href="http://orcid.org/0000-0002-2626-0068">http://orcid.org/0000-0002-2626-0068</a>		<b>8. Performing Organization Report No.</b>	
<b>9. Performing Organization Name and Address</b> New Jersey State Library <i>An affiliate of Thomas Edison State University</i> PO Box 520 Trenton, NJ 08625-0520		<b>10. Work Unit No.</b>	
		<b>11. Contract or Grant No.</b> Contract ID# 17-60137	
<b>12. Sponsoring Agency Name and Address</b> Federal Highway Administration (SPR) 1200 New Jersey Avenue, SE Washington, DC 20590  New Jersey Department of Transportation (SPR) 1035 Parkway Avenue, P.O. Box 600 Trenton, NJ 08625.0600		<b>13. Type of Report and Period Covered</b> Final Report, January 2017 – December 2017	
		<b>14. Sponsoring Agency Code</b>	
<b>15. Supplementary Notes</b> Conducted in cooperation with the U.S. Department of Transportation, Federal Highway Administration. Original Task Order #13 Title: Research Library Operations (2017-2018). Research Project Manager: Stefanie Potapa.			
<b>16. Abstract</b>  The NJDOT Research Library operates as a branch of the New Jersey State Library and is funded by the FHWA State Planning and Research Program as a research project. The library serves NJDOT employees; New Jersey state government employees; other libraries, organizations, and businesses; and members of the general public. Two certified professional Librarians provide reference and referral services, access to an online catalog and electronic documents, lending of materials from the collection or through interlibrary loan from other libraries, literature searches, and notifications of new materials and continuing education opportunities.  The Research Library collects documents from a variety of sources including TRB, AASHTO, FHWA, other state DOTs, and NJDOT itself, particularly its Research Bureau. Located in the David J. Goldberg Transportation Complex at 1035 Parkway Avenue in Ewing, the Research Library provides services in full to New Jersey state employees. The general public may use the collection by appointment.			
<b>17. Key Words</b> Library operations; Research; Information services; Knowledge services; Knowledge sharing; Technology transfer		<b>18. Distribution Statement</b> No restrictions.	
<b>19. Security Classif. (of this report)</b> Unclassified	<b>20. Security Classif. (of this page)</b> Unclassified	<b>21. No. of Pages</b> 183	<b>22. Price</b>

## **ACKNOWLEDGMENTS**

The author wishes to acknowledge the support of NJDOT Research Bureau Manager, Amanda Gendek; Contract Manager, Stefanie Potapa; New Jersey State Library Supervising Librarian, Doris Murphy; State Library staff in Reference, Circulation, Law, and Technical Services; NJDOT staff, subject matter experts, and customers; and Associate Librarian, Laurie Strow. Thanks also to Margaret Nizolek, Chief Deputy State Librarian and Director of the New Jersey State Library Information Center, and to Associate Director, Maria Baratta, for their helpful editing of this report.

In addition, the author would like to acknowledge colleagues from across the nation and beyond, for their support, collaboration, and inspiration - transportation librarians in the Special Libraries Association-Transportation Division; the regional Transportation Knowledge Networks (ETKN, MTKN, and WTKN); Transportation Research Board (TRB) Library staff and indexers; the TRB Library & Information Science for Transportation (LIST) Committee; and the various task forces and informal work groups. Thanks also to colleagues at the National Transportation Library (NTL), University of Michigan, Renée McHenry at the Missouri Department of Transportation, and Bob Cullen at the American Association of State Highway and Transportation Officials (AASHTO) for continued efforts on behalf of the transportation librarian community.

## TABLE OF CONTENTS

EXECUTIVE SUMMARY .....	1
BACKGROUND .....	2
OBJECTIVES .....	3
INTRODUCTION.....	4
SUMMARY OF THE WORK PERFORMED .....	5
Output.....	7
<i>Requests for Information and/or Materials Fulfilled.....</i>	7
<i>Purchasing/Collection Development .....</i>	10
<i>Collection Maintenance .....</i>	12
<i>Other Services.....</i>	12
<i>Marketing .....</i>	12
<i>Collaboration and Networking .....</i>	12
<i>Reporting .....</i>	13
<i>Staff Training .....</i>	14
Challenges.....	15
<i>Space.....</i>	15
<i>Noise.....</i>	15
<i>Time.....</i>	15
<i>Funding .....</i>	15
<i>Perceptions / Awareness.....</i>	16
<i>Technical Challenges.....</i>	16
CONCLUSIONS AND RECOMMENDATIONS.....	17
REFERENCES AND RESOURCES .....	19
APPENDIX A: ANNUAL STATISTICS.....	20
APPENDIX B: MONTHLY RESEARCH LIBRARY REPORTS.....	23
APPENDIX C: QUARTERLY LISTS OF <i>SELECTED RECENT ACQUISITIONS</i> .....	68
APPENDIX D: PRESENTATION ON 96TH TRB ANNUAL MEETING SESSIONS ATTENDED .....	162
APPENDIX E: TRANSPORTATION LIBRARY-RELATED ENTITIES .....	168
APPENDIX F: POSTER ON DOWNLOADING CAVEAT FOR AASHTO DIGITAL DOCUMENTS FOR PRESENTATION AT TRB 97TH ANNUAL MEETING .....	172
APPENDIX G: AASHTO TRANSPORTATION COORDINATION CURRICULUM COUNCIL (TC3) ONLINE TRAINING PROMOTIONAL FLYER / POSTER.....	174

**LIST OF FIGURES**

Figure 1. Annual number of requests received per calendar year 2008 - 2017..... 7  
Figure 2. Comparison of requests received per month for years 2016 - 2017..... 8  
Figure 3. Comparison of requests received by Requestor Affiliation, 2016 and 2017. .... 8  
Figure 4. Comparison of NJDOT requests by Assistant Commissioner divisions for  
2016 and 2017. .... 9  
Figure 5. Comparison of NJDOT requests by Building Locations of assistant  
commissioner divisions for 2016 and 2017. .... 9  
Figure 6. Comparison of NJDOT requests by Method of Contact for 2016 and 2017. . 10

## ABBREVIATIONS AND ACRONYMS

AASHTO	American Association of State Highway and Transportation Officials
AIIM	Association for Intelligent Information Management
ASCE	American Society of Civil Engineers
CFO	Chief Financial Officer
CPM	Capital Program Management
DAG	Deputy Attorney General
DANJ	Documents Association of New Jersey
E&O	Engineering and Operations Building
ETKN	Eastern Transportation Knowledge Network
F&A	Finance and Administration Building
FE	Fundamentals of Engineering
FHWA	Federal Highway Administration
GIS	Geographic Information Systems
HRDI	Human Resource Development Institute
HR	Human Resources
IT	Information Technology
LIST	TRB Standing Committee on Library and Information Science for Transportation (ABG40)
LMS	Learning Management System
MOB	Main Office Building
MTKN	Midwest Transportation Knowledge Network
NJDOT	New Jersey Department of Transportation
NJLA	New Jersey Library Association
NJSL	New Jersey State Library
NTKN	National Transportation Knowledge Network
NTL	National Transportation Library
PE	Professional Engineer
RiP	Research in Progress (database)
SLA	Special Libraries Association
SPR	State Planning and Research
TESU	Thomas Edison State University
TLR	Transportation Librarians Roundtable
TPF	Transportation Pooled Fund
TRB	Transportation Research Board
TRID	Transportation Research Information Documentation (database)
TRIS	Transportation Research Information Services (database)
TRT	Transportation Research Thesaurus
WTKN	Western Transportation Knowledge Network

This page intentionally left blank



## **EXECUTIVE SUMMARY**

The objective of the current study was to develop and improve the Research Library as a major resource for transportation knowledge sharing and technology transfer. In regard to public services, this involved provision of library reference and referral services to government employees, transportation and other professionals, and the general public. In regard to technical services, activities included selection, acquisition, processing, organization, storage, and maintenance of library materials for use by NJDOT staff and others. A communications component required marketing whenever possible, including by providing information on current resources and webinars to stakeholders, updating the website, and producing a quarterly list of new materials for posting on the website and intranet. Library staff enhanced their knowledge and skills by attending webinars, brown-bag presentations, and other library- and transportation-related events, and by participating in professional networks and committees.

This report examines Calendar Year 2017 and, for comparison purposes, also includes data from Calendar Year 2016. The library remained in its same location on the first floor of the Engineering & Operations Building during this period, and the rate of use by NJDOT staff stayed relatively constant.

There was coordination with AASHTO regarding a couple of their products and services: the distribution of digital documents from the AASHTO Bookstore, and rollout of the AASHTO training resource, the Transportation Curriculum Coordination Council (TC3).

Networking and collaboration with peers, colleagues, and customers, both internal and external, provide vital support as well as added responsibilities. Within NJDOT, the library staff cooperates with other units on projects of mutual interest, and also connects people from different units with each other or with others.

NJDOT library staff must continue to work with other units of the Department not only in filling their stated information needs, but in anticipating these needs, recognizing gaps in the Department knowledge structure, and engaging with units to build knowledge sharing tools and solutions for use throughout the organization.

## **BACKGROUND**

Per the Research unit's original problem statement from early 1998: "The activities of the NJDOT's Research program have evolved to the point where a Research Library staffed by a certified professional Librarian is needed to support the research and technical work of the Department and its affiliated agencies. The State Library has established a branch library in the offices of the NJDOT and assigned a Librarian 1 to provide onsite library services to NJDOT." The Library is funded by NJDOT as a project with State Planning & Research (SPR) funding.

The NJDOT Research Library reopened in February 1998 after a two-year hiatus following the retirement of the attending clerk who had overseen the collection on a part-time basis. NJDOT contracted with the New Jersey State Library, affiliated with Thomas Edison State University (previously Thomas Edison State College), for a professional Librarian to manage operations of the NJDOT Research Library and to provide library services to NJDOT staff and external customers.

Soon after the certified professional Librarian began work in February 1998, the NJ State Library supplied additional assistance in the form of a Principal Library Assistant. Several people have filled this latter position over the years, with the most recent, Laurie Strow, starting in June 2008. With her professional librarian certification and experience, the position was subsequently upgraded to a professional line (Librarian 3) the following year.

## **OBJECTIVES**

The main objectives of this research project were to operate and improve the Research Library as a major resource for transportation knowledge sharing and technology transfer. The mission of NJDOT, according to its website, is “Improving Lives by Improving Transportation.” In support of that mission, the Research Library aids NJDOT staff and other transportation professionals with their professional, research and information needs. Although library staff is not directly involved with planning, design, construction, or maintenance of infrastructure, their endeavors turn the Department’s mission around: “Improving Transportation by Improving Lives,” i.e., the lives of NJDOT staff and others who work on the built environment.

By partnering with NJDOT staff and Department units whenever possible, and with other transportation libraries and entities, we endeavor to provide support to the organization and the industry, to assist people in their professional aspirations, and to fill gaps in the body of knowledge within the Department and externally.

## **INTRODUCTION**

The Research Library completed its 20<sup>th</sup> year of operation since reopening in February 1998. This report for Calendar Year 2017 updates the most recent report for Calendar Year 2016. Prior to the 2016 annual report, for calendar years between 1999 and 2015, the Bureau of Research had submitted compilations of the Research Library monthly reports in lieu of annual reports.

By way of review from the Calendar Year 2016 report, the following short recap will either refresh the reader's memory, or give background to the "project" of Research Library Operations for readers who have not seen the prior year's report.

In the intervening years between reopening in 1998 and 2015, the NJDOT Research Library moved a total of three times, either due to organizational changes at NJDOT (in Spring 2000), or due to space considerations of other NJDOT units (in 2011 and 2015).

The move to the E&O 1<sup>st</sup> floor in March 2015 has provided the Research Library its best location to date, in terms of accessibility for NJDOT staff and external customers, and of space for the collection. Comparative usage statistics based on the library's current and past locations, support the benefit of the Research Library's current location.

## SUMMARY OF THE WORK PERFORMED

To successfully accomplish the objectives of operating and improving the Research Library as a major resource for transportation knowledge sharing and technology transfer, the librarians performed the following tasks:

- ◆ Provided library reference and referral services to government employees, transportation and other professionals, and the general public by:
  - Answering inquiries for information.
  - Performing literature searches and providing records.
  - Identifying, locating and providing documents, whether in print or digital format.
  - Lending materials from our or the NJ State Library's collection, or through interlibrary loan from other libraries.
  - Making referrals to subject matter experts or other sources.
- ◆ Maintained and enhanced the collection by selecting, acquiring, processing, organizing, storing and maintaining library materials for use by NJDOT staff and others through:
  - Purchasing new materials at the request of NJDOT staff and by librarian's discretion.
  - Processing new acquisitions and donated items onsite or by sending to the NJ State Library for original cataloging.
  - Organizing and maintaining the collection and subcollections.
  - Offering excess materials to other transportation libraries, Department units, or individuals.
- ◆ Promoted staff development and an enhanced workplace by:
  - Aiding staff with career development efforts by identifying, locating, and lending civil service career examination study materials and professional certification exam study materials.
  - Participating in and mentoring members of the NJDOT Toastmasters Club.
  - Publicizing the Department's access to the AASHTO technical services program, Transportation Curriculum Coordination Council (TC3) (Appendix G).
- ◆ Provided technology transfer by:
  - Sending notifications of upcoming webinars notices to relevant units, and proactively forwarding links to journal articles, newsletters, and research reports or other documents.
  - Presenting information about the 96<sup>th</sup> TRB Annual Meeting sessions attended (Appendix D).
  - Adding new materials received into a Shared Resources Catalog (database of holdings), editing entries, and generating quarterly reports (Appendix C).
  - Sending the quarterly lists of new materials to the Webmaster for posting on the NJDOT intranet and external internet sites.
- ◆ Marketed the library and promoted services to current and potential customers, by:
  - Participating in the Annual Research Showcase and giving away extra materials.
  - Providing training on Research Library resources and services.
  - Coordinating and promoting training on vendor-supplied resources (Appendix F).
  - Adding and updating content on the Research Library website in coordination with IT and Communications.

- Providing copies of the NJDOT Research Library promotional brochure to Human Resources for distribution to new staff.
- ◆ Coordinated knowledge services and access to materials by:
  - Downloading digital publications from AASHTO and sending notification to Department units.
  - Locating undocumented resources held elsewhere in the Department.
  - Referring staff to subject matter experts in NJDOT units and to other researchers outside of NJDOT.
- ◆ Collaborated with internal and external groups for promotion of knowledge and resource sharing by:
  - Looking for opportunities to work with other internal and external partners on projects of mutual interest and/or benefit.
  - Participating in transportation library groups such as the Eastern Transportation Knowledge Network (ETKN), the TRB LIST Committee, the Transportation Library Pooled Funds, and other technical committees (Appendix E).
- ◆ Kept NJDOT and the State Library informed of progress through:
  - Monthly narrative reports detailing critical issues, new initiatives, significant accomplishments, and classes/meetings (Appendix B).
  - A spreadsheet updated monthly showing requests received as the unit of analysis – how many, from whom (by affiliation), method of contact, and type of product offered, whether a verbal or written reply, document, loan, photocopy, or printout (Appendix A).
  - A spreadsheet updated monthly for State Library-required statistics for “patron contacts” and other parameters (Appendix A).
- ◆ Enhanced library staff knowledge and skills through attendance at presentations, webinars, and conferences in order to improve provision of library and knowledge services to the Department.

## Output

### ***Requests for Information and/or Materials Fulfilled***

As mentioned in the last NJDOT Research Library Annual Report for calendar year 2016, the first full year in its new location in the Engineering & Operations Building 1<sup>st</sup> floor, NJDOT Research Library staff responded to a total of 2,331 requests from NJDOT staff, other New Jersey requestors, and out-of-state requestors. In 2017, Library staff responded to a total of 2,430. This small increase over 2016 nonetheless resulted in an all-time high for requests received in a calendar year for the past ten years as shown in Figure 1:

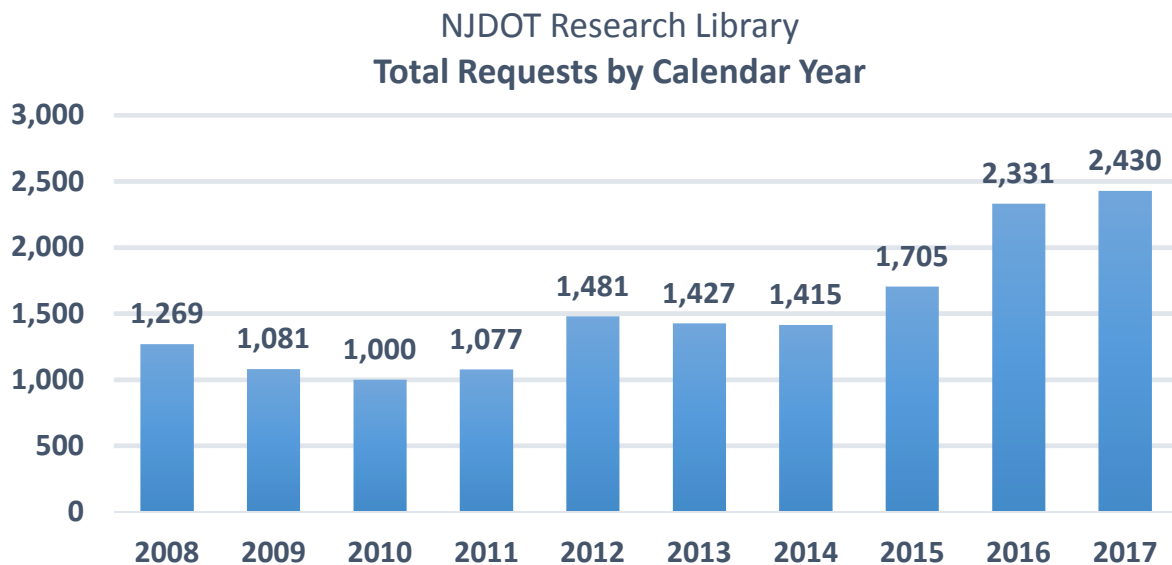


Figure 1. Annual number of requests received per calendar year 2008 - 2017.

The previous report for calendar year 2016 went into detail comparing the total requests for three calendar years, 2008, 2012, and 2016, each year representing a full year for the Research Library residing in a different location. Comparisons were drawn and the correlation of library usage, as measured by the number of requests, to each location of the library and of requestors was noted. This report will only compare Calendar Year 2016 to Calendar Year 2017.

A monthly comparison of requests received for 2016 - 2017 can be seen in Figure 2:

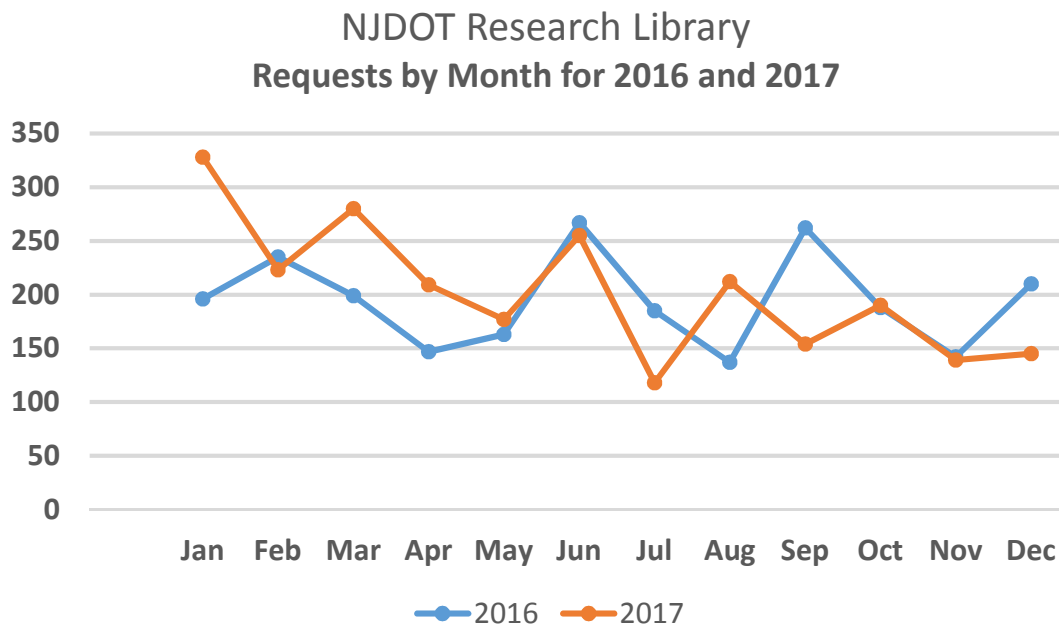


Figure 2. Comparison of requests received per month for years 2016 - 2017.

By way of a snapshot of where requests originate, whether within NJDOT, from elsewhere within New Jersey, or from outside the state, the following distributions for 2016 compared with 2017 can be seen in Figure 3:

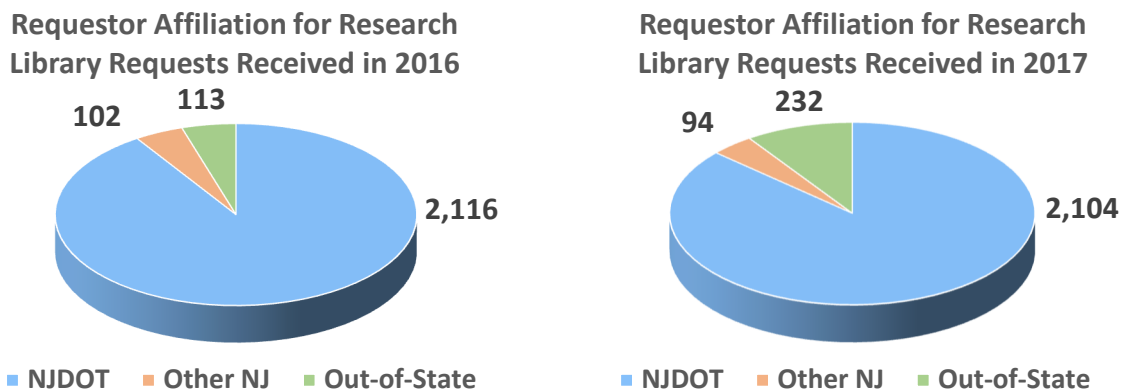


Figure 3. Comparison of requests received by Requestor Affiliation, 2016 and 2017.

As Figure 3 illustrates, the total number of requests received from NJDOT staff and from other New Jersey sources remained largely consistent with a slight dip (.57 percent and 7.8 percent respectively), while external requests more than doubled.

The Main Office Building (MOB), holds the staffs of the Commissioner's Office (COM'R), Administration (ADM), Government & Community Relations (G&CR), Planning (PLNG),



and Transportation Systems Management (TSM). The Engineering & Operations (E&O) Building, houses the staffs of Capital Program Management (CPM) and Operations (OPNS), while the Finance & Administration (F&A) Building comprises the subdivisions reporting to the Chief Financial Officer (CFO). Requests from staff in NJDOT's regional offices were counted as received from the division of which they are a part. A breakdown of the origin of requests from NJDOT major divisions (by assistant commissioner) for 2016 and 2017 is shown in Figure 4:

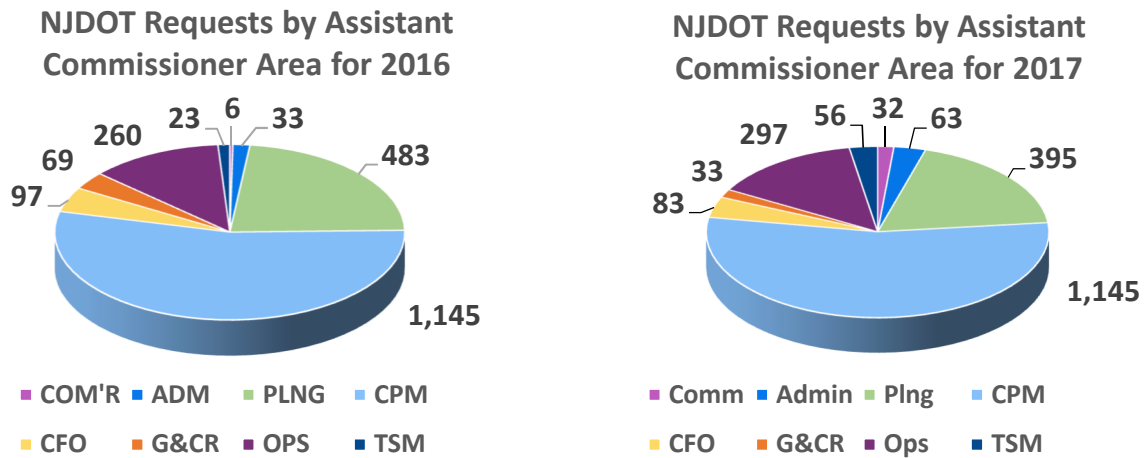


Figure 4. Comparison of NJDOT requests by Assistant Commissioner divisions for 2016 and 2017.

As illustrated in the annual report for calendar year 2016, another way of viewing this data is to see the effect of the library's location on the relative number of requests for each of the three main Headquarters buildings and their respective assistant commissioner divisions. Looking at the request data for NJDOT staff by customer locations, Figure 5 shows generally from what buildings the library's NJDOT customer requests originate:

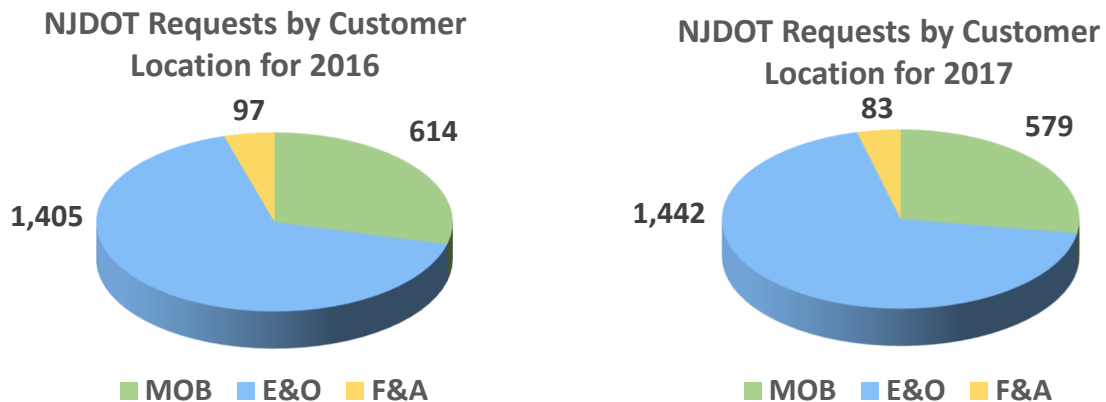


Figure 5. Comparison of NJDOT requests by Building Locations of assistant commissioner divisions for 2016 and 2017.

Requests originating from staff in E&O continued to outnumber those originating from staff in MOB or F&A by a large proportion. The number of requests increased slightly from staff in both E&O and F&A, dropping slightly from staff in MOB.

The Library receives a substantial number of requests via email; however, the bulk arrive in person, and relatively few come in via telephone. Figure 6 shows the breakdown by method of contact for requests from NJDOT staff in 2016 and 2017:

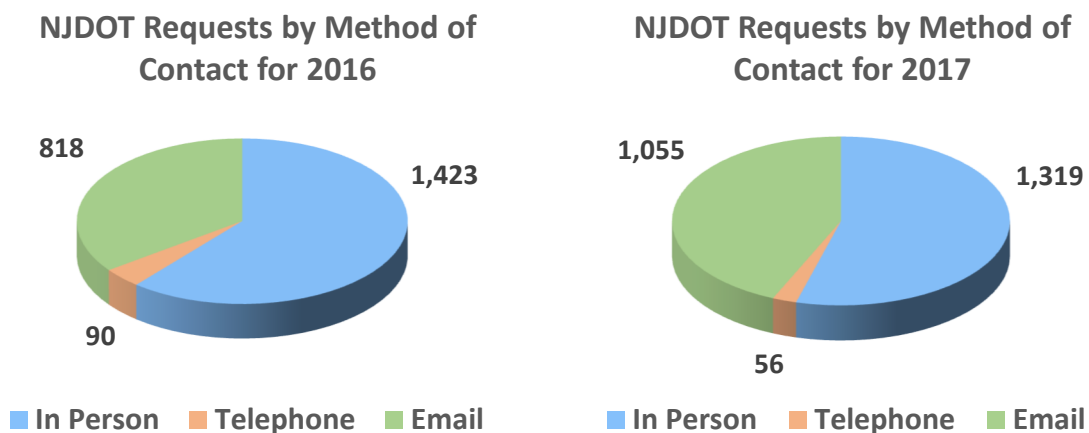


Figure 6. Comparison of NJDOT requests by Method of Contact for 2016 and 2017.

Although email requests increased in 2017 relative to 2016, and telephone and in-person requests declined slightly, in-person still clearly represents the most popular method of contact for requesting information from NJDOT staff.

For a breakdown of the form of the services provided for 2017, see Appendix A: Annual Statistics, NJDOT Research Library Statistics for CY 2017 - Reporting to NJDOT by Requests, columns for “Service Provided.”

***Purchasing/Collection Development***

Research Library staff purchases materials for general library use and on demand, especially civil service, PE, FE, and other licensing exam materials. With NJDOT as a sponsor, the Research Library receives reports from the Transportation Research Board and its cooperative research programs, and from AASHTO. Many of these still arrive in print format, although more and more are digital. The Federal Highway Administration and other transportation organizations and consortia still send some of their reports in print format, sometimes with accompanying CD-ROMs or DVDs.

Historically, the Department, like all state DOTs, has received 10 print copies of all AASHTO publications. In order to keep better account of the whereabouts of these copies, and to maintain at least one copy centrally, the Research Library has worked with the Mailroom, the Correspondence unit, the Commissioner’s Office, and more recently, the Department committee member (if there is one) for the AASHTO committee most aligned with a particular publication to ensure that the Research Library receives the ten

copies, keeps at least one onsite, and distributes the rest to the divisions most in need of them for their business use.

AASHTO has begun to distribute some of their publications as PDFs or web-based documents; increasingly, Library staff downloads the AASHTO digital publications and, like the 10 print copies traditionally received, archives them, and distributes them with download instructions to appropriate units throughout the Department. Due to AASHTO's policy of sending download instructions with a promotional code that can only be used once per state DOT for free download, state DOT librarians race to download these new digital documents, lest a DOT committee person gets to it first, and then every download of that document has to use the credentials of the original downloader. By getting to these first, state DOT librarians can provide consistency of access by using the same username and password for all these AASHTO digital documents. Opening these documents, even knowing the credentials, is cumbersome at best, and some documents are web-based only, and not available through the state DOT distribution process as PDFs. See Appendix F for the poster designed and sanctioned by four state DOT librarians for presentation at the TRB 97<sup>th</sup> Annual Meeting in January 2018 to warn AASHTO committee members at state DOTs about the inconveniences that can result from individual members downloading.

In large part due to these difficulties, CPM agreed in 2017 to fund access to AASHTO documents via the ASTM Compass Portal to which the Department's Bureau of Materials already subscribes. This makes access by Department staff much easier, as authentication is not required for every opening of a document. This AASHTO "Transportation Package," however, covers only 11 titles.

State DOT research reports and university research reports arrive in mostly digital format. TRID, the database supplied by TRB, often has links to the full text of the reports indexed. The National Transportation Library (NTL) is increasingly archiving the full-text of research reports in their Repository Open Science Access Portal, aka, the ROSA P repository.

The NJDOT Research Library had been subscribing to two paid journals, *Engineering News-Record* from BNP Media and *ITE Journal* from the Institute of Transportation Engineers. Due to the difficulties in receiving issues and the extensive amount of time spent claiming missing issues through the publishers and through EBSCO, a journal subscription service, those subscriptions were not renewed when they expired. The journal issues are available electronically in full-text via the NJ State Library's electronic journal subscriptions. NJDOT staff have access to myriad journal titles via the NJ State Library's e-journal collection chiefly through vendors EBSCO, Gale, ProQuest, and H.W. Wilson.

Additionally, many industry journals, magazines, and newsletters arrive digitally or, to an increasingly lesser extent, in print at no charge.

### **Collection Maintenance**

Adding new materials to the collection involves cataloging in NJ State Library's integrated library system (catalog) and/or entry of metadata into the Shared Resources Catalog database available through the intranet. This database provides means of generating the quarterly report of *Selected Recent Acquisitions*, the need for which drove the database's development. Collection maintenance also involves determining collection organization, categorization, and classification, and physically adding, removing, and shifting materials on the shelves. Due to previous moves and the high number of donations from retiring or moving Department staff, the processes of discovery, decision, integration, cataloging, classification, data entry, shelving, deaccessioning, and disposal of materials are ongoing and continuous.

### **Other Services**

- Posting flyers around the complex to announce NJ State Library events, such as author talks or classes.
- Receiving and processing donated materials from other units, and providing storage or disposal service as mentioned above.
- Donating extra or unneeded materials to NJDOT staff, the NJ State Library, and external transportation libraries.
- Providing items for conference-hosting units to give away, such as maps, pens, and brochures.

### **Marketing**

Our marketing/current awareness efforts continue and include such methods as the following:

- NJDOT Research Library brochure – latest edition is March 2016, and included in the Calendar Year 2016 Annual Report in Appendix A. We provide copies to Human Resources for inclusion in the orientation packets for new employees.
- Quarterly publication of the list of new materials, *Selected Recent Acquisitions* (see Appendix C).
- Training by email, telephone, or in person, e.g., presentation on TRB 96<sup>th</sup> Annual Meeting sessions attended (Appendix D).
- Web presence on internet and intranet NJDOT webpages – under revision.
- Table at the Annual NJDOT Research Showcase with brochures and giveaways.
- Selected dissemination of information – sending out articles, reports, and notifications of webinars to recipients by organizational unit; audience type, such as Professional Engineers (PEs) or Planners; or staff function, such as Directors and Managers.

### **Collaboration and Networking**

Library staff network with peers, colleagues, and customers, both internal and external, to provide vital support and service delivery. Within NJDOT, the library staff cooperates with other units on projects of mutual interest, and also connects people between different

units or with others. Projects undertaken for, or with the assistance of, other units include:

- Meeting with staff from the Commissioner's Office and Communications regarding digitization of photographs.
- Working with Bureau of Materials staff to have the Department subscribe to AASHTO publications electronically via the ASTM platform.
- Coordinating with Administration and Capital Program Management to subscribe to the AASHTO Transportation Coordination Curriculum Council (TC3) online training. See promotional poster/flyer developed in coordination with TC3 Marketing Team to promote staff use of this resource (Appendix G).

Some external entities with which staff are affiliated include:

- Eastern Transportation Knowledge Network (ETKN).
- TRB Standing Committee on Library and Information Science for Transportation (ABG40) (Friend).
- AASHTO Research Advisory Committee Coordination & Collaboration Task Force Working Group (RAC CCTF WG) (Friend).
- Transportation Research Thesaurus (TRT) Subcommittee (of LIST).
- Special Libraries Association (SLA) Transportation Division.
- New Jersey Library Association (NJLA).
- Documents Association of New Jersey (DANJ).
- Transportation Librarians Roundtable.

Staff also monitors and participates in the Transportation Librarians discussion list, TRANLIB, hosted by the University of Michigan, and monitors other organizations' lists such as the American Society for Engineering Education's ELDNET and the Association for Information and Image Management (AIIM) as well.

### ***Reporting***

The Research Library reports monthly to the NJ State Library and to the NJDOT Bureau of Research with a narrative report on critical issues, new initiatives, significant accomplishments, and meetings or classes attended. These monthly narratives are accompanied by two spreadsheets, one keeping monthly track of statistics for reporting to the NJ State Library, and the other enumerating the requests received each month by parameters of requestor affiliation, method of contact, type of service requested (general reference question or literature search, versus a document), and form of the service provided, whether a verbal/memo reply, document, loan, printout, or photocopy. The narrative reports for each month follow in Appendix B, and the spreadsheets for calendar year 2017 appear in Appendix A.

The Research Library reports its new acquisitions on a quarterly basis with its publication, *Selected Recent Acquisitions*. The four editions for 2017 appear in Appendix C. In addition, Library staff provides assistance in preparation of the reports/thumbnails for the State Planning and Research (SPR) Program for FHWA when requested by the Bureau of Research.

### ***Staff Training***

Library staff attend professional development opportunities whenever possible and feasible. Relevant training opportunities include attendance at:

- Webinars from many sources, library- or transportation-related.
- Conferences, library- or transportation-related, including the Special Libraries Association Annual Conference and/or the TRB Annual Meeting.
- Brown-bag lunchtime presentations (usually on technical topics).
- Toastmasters – NJDOT Toastmasters Club provides public speaking, communication, and leadership training.
- Other, as required by Human Resources at Thomas Edison State University or NJDOT.

## **Challenges**

The challenges as mentioned in the annual report for calendar year 2016 persisted into 2017.

### ***Space***

Department staff depend on use of the Library's space and amenities, including "quiet" study space away from distractions in their own work areas. Visiting regional staff in particular avail themselves of the table, chairs, and the public access terminal in order to logon to their NJDOT accounts and other computer services. Department staff have used the Library's videocassette machine, as well as the binding machine. Because library use is directly tied to its location relative to the staff who most depend on its services, it is critical that the library remain in a central location with easy access by those DOT staff members. Proximity to the restrooms presents risk for possible flooding issues which have reportedly happened in the past.

### ***Noise***

The Research Library's location, while certainly convenient, does experience various noisy disruptions including mechanical room noise. As mentioned in the 2016 calendar year report, due to the library's presence on a main corridor bordering the exits and the rest rooms, people pass by frequently, and often congregate nearby, engaging in regular conversation and sometimes even shouting across the wing. Irregular usage of a large shredder located in the Engineering Documents Unit, and an intermittent booming sound from the HVAC system that people mistake for thunder, can also add to the din.

### ***Time***

Time always presents a challenge, and this has not changed since last year. With two full-time staff, some important projects get put on a back burner. Although some progress has been made, many of the donations of materials received remain in boxes, even as new donations from various units continue to arrive. The website, although updated periodically, needs a major overhaul. A schedule for collection maintenance has been implemented, and some preliminary efforts for weeding and shifting the collection have begun. Subcollections such as photographs and VHS tapes still need attention for reformatting and/or preservation. With energies focused on day-to-day inquiries and processing of new materials, these projects remain on hold or proceed intermittently.

### ***Funding***

An annual allocation of \$2,500 for materials affords only a few items for purchase. As previously mentioned, the transportation sector provides access to many "free" materials from entities such as TRB and AASHTO, for which NJDOT and the other states are sponsors. The Research Library also gets free materials from US DOT, the states, and other organizations, in print or electronically.

The allocation budget limits the number and type of journal subscriptions, and precludes library funding of access to certain databases. Luckily, the NJ State Library and NJDOT provide access to many. The Research Library briefly had a subscription to *ASCE Library*, first funded by the Transportation Library Connectivity and Development Pooled Fund, and then for one year, by the NJDOT Bureau of Research. As no other NJDOT units were willing to fund, the subscription lapsed. People can still browse the ACSE journals tables of contents and abstracts, and library staff obtain the fulltext of individual articles and papers as requested. With additional funding, the Library could subscribe to this ASCE collection or *Engineering Village*. Access to the fulltext for current issues of many e-journals via the NJ State Library is blocked due to a 12-month embargo imposed by the publishers, so often recent articles must be requested via interlibrary loan from a library willing to provide a copy.

There have been requests for use of the microform reader/printers. The Research Library currently does not have an operational unit to serve this need.

### ***Perceptions / Awareness***

In spite of marketing efforts, many people at NJDOT remain unaware of the library's presence or available services. Staff of the Research Library must continually market its services and counter the misconception that everything can be found through Google and/or is free on the Web. The Research Library print collection is still valued by users. Many of the most sought-after items are available only in print, or are needed in print format.

### ***Technical Challenges***

With the growth of digital collections, the difficulty in keeping up with them increases - their discovery, dissemination, archiving and/or processing. Even keeping track of NJDOT-produced materials is challenging in that the units producing publications don't always provide notifications or copies.

As NJ State Library employees, Research Library staff are not included in the NJDOT Online Directory, which makes it a challenge for some people to reach Research Library staff by email or by telephone.

Another challenge that affects library staff is availability of NJDOT-listed courses in the state Human Resources Development Institute (HRDI) Learning Management System (LMS). Library staff must get special access from NJDOT Human Resources staff when access is needed.



## CONCLUSIONS AND RECOMMENDATIONS

With resources both within the library and in the Department proper, as well as those in the NJ State Library and available from the larger library community, Research Library staff continue to provide library and knowledge services by sharing information, supplying material, and developing and maintaining the collection. The numbers and statistics, while potentially illuminating, don't tell the positive impacts the Research Library has on NJDOT staff, and by extension, the Department. By identifying, locating, and lending civil service examination study materials, Library staff have helped people get promotions; by purchasing and lending industry study guides and standards materials, Library staff have assisted people with preparing for and passing their professional licensure exams; and by notifying license holders of continuing education opportunities, mostly at no cost, Library staff have provided opportunities to earn professional development hours toward maintaining the licenses. On the organizational level, Research Library staff once again supplied material, this time to the Inspector General's Office, in support of legal efforts in a lawsuit involving the Department.

The Research Library's affiliation with the NJ State Library affords not only technical support in terms of acquisitions, cataloging, and reference assistance, it also provides access to numerous databases which cannot be afforded with a limited budget. Likewise, since the State Library has been collecting books and materials since the 1700's, they have a very rich and deep collection to turn to as needed.

The Research Library staff has begun a collection maintenance schedule including "weeding," or removing, unneeded materials from the collection, as some sections have materials packed so tightly that shelving items has become impossible. Age of items, however, is not necessarily a clear indication of their importance or lack thereof.

The Department has taken a very proactive step in supporting the workforce by making online training available through AASHTO's Transportation Curriculum Coordination Council (TC3), and the Library staff is supporting this effort through marketing (Appendix G).

On a national level, the problems with AASHTO's new distribution policy for digital documents continue to present many challenges for all the state DOTs. One assistant commissioner downloaded an AASHTO digital document before the Research Library staff could download it, and now anyone in the Department who wants access to this document must use that assistant commissioner's credentials. Due to the inconvenience and limitations of AASHTO's distribution process to the state DOTs, the Department has spent extra funds above what Materials spends for the ASTM standards in order to subscribe to AASHTO digital documents via the ASTM Compass Portal. This subscription significantly eases access to the titles offered in this manner, since no special login is required, and all the documents are available in PDF format, unlike some of the free web-based documents supplied to the states as a benefit of their membership. The downside to this subscription, besides the price for materials that the states should get for free, is that this "Transportation Package" covers only 11 titles, even though AASHTO has many more publications available in digital format; AASHTO, however, chooses not to make

them available, even at the subscription price, to their own members. This is an ongoing issue that the state DOTs and the AASHTO Research Advisory Committee have begun to address.

While the Research Library staff continually market their services, there are always people who are unaware of the library's existence. While it is true that not everyone requires the library's services, it would be good to have a better web presence on both the intranet and internet. This is a project still in process.

The Department still needs better access to its own staff. Beyond the NJDOT Online Directory, which provides links to people by name or by divisions or bureaus, enhanced organization charts, tied in with the current or updated and revamped Directory, would provide much needed information about the staff *for* the staff. It should live on the intranet, where the Online Directory currently does. The Directory would improve with inclusion of other long term, onsite non-DOT state workers, such as the Research Library staff, and probably other consultants as well, and should show relationships instead of just lists.

NJDOT Library staff must continue to work with other units of the Department not only in filling their stated information needs, but in anticipating these needs, recognizing gaps in the knowledge structure, and engaging with units to build knowledge sharing tools and solutions for use throughout the organization.

In order to continue to provide and improve services most effectively and efficiently, the Research Library should remain accessible to the majority of its users. In spite of technological advances and the ubiquitous digital documents and email, a lot of information exchange is often serendipitous and occurs during in-person contact. People often prefer to conduct their inquiries face-to-face, and this remains a most efficient means of accurate communication.

## REFERENCES AND RESOURCES

- Committee for a Future Strategy for Transportation Information Management. *Transportation Knowledge Networks: A Management Strategy for the 21st Century*. Special Report 284. Washington, DC: Transportation Research Board, 2006.
- De Bono, Caspar and Kate Arnold. *The Evolving Value of Information Management and the Five Essential Attributes of the Modern Information Professional*. [s.l.]: Financial Times in conjunction with SLA, November 2013.
- Dresley, S.C. and A. Lacombe. *Value of Information and Information Services*. FHWA-SA-99-038. Cambridge, MA: Volpe National Transportation Systems Center; Washington, DC: Federal Highway Administration, October 1998.
- Million, A.J, Sheila M. Hatchell, and Roberto Sarmiento. *Proving Your Library's Value: A Toolkit for Transportation Librarians*. Jefferson City, MO: Transportation Library Connectivity and Development Pooled Find Study, TPF-6(237), 2012.
- Oklahoma Department of Transportation, Video Production Branch. *Transportation Knowledge Network*. Oklahoma City, OK: The Department, 2012. (3:54 minute video explaining the TKNs).
- Paszamant, Carol. *Reestablishment of Research Library Operations at the New Jersey Department of Transportation*. FHWA/NJ-99-004-TESC-1. Trenton, NJ: NJDOT, April 1999.
- Paszamant, Carol. *Research Library Operations – Calendar Year 2016*. FHWA-NJ-2018-002. Trenton, NJ: NJDOT, April 2018.
- Sacco, Maggie and Christi Powers. *Transportation Librarian's Toolkit*. Madison, WI: Transportation Library Connectivity Pooled Fund #TPF-5(105), December 2007.
- Spy Pond Partners, LLC. *A Guide to Agency-Wide Knowledge Management for State Departments of Transportation*. NCHRP Report 813. Washington, DC: Transportation Research Board, 2015.
- Spy Pond Partners, LLC; University of Minnesota Center for Transportation Studies; and Sandy Tucker. *Implementing Transportation Knowledge Networks*. NCHRP Report 643. Washington, DC: Transportation Research Board, 2009.
- Zmud, Johanna P, et al. *Communication Matters: Communicating the Value of Transportation Research Guidebook*. NCHRP Report 610. Washington, DC: Transportation Research Board, 2009.

**APPENDIX A:**  
**ANNUAL STATISTICS**

## NJDOT Research Library Statistics for CY 2017

### Reporting to NJDOT – by Requests

Month	Total Research Library Requests	Requestor Affiliation			Method of Contact					Service Requested		Service Provided					Quarterly Total Requests
		NJDOT	Other NJ	Out of State	In Person	Telephone	Email	Fax	US Mail	Reference	Document / Interlibrary Loan	Verbal / Memorandum	Document	Loan	Photocopy	Printout	
Jan-17	328	297	4	27	249	1	78	0	0	177	151	167	29	124	4	4	
Feb-17	223	196	9	18	137	6	80	0	0	126	97	99	42	75	2	5	
Mar-17	280	234	13	33	165	4	111	0	0	172	108	134	44	96	3	3	
Apr-17	209	197	4	8	113	7	89	0	0	138	71	98	44	65	0	2	831
May-17	177	146	6	25	74	14	89	0	0	116	61	88	37	45	4	3	
Jun-17	255	228	5	22	122	4	129	0	0	177	78	110	73	71	0	1	641
Jul-17	118	108	4	6	57	6	55	0	0	93	25	57	31	26	1	3	
Aug-17	212	185	3	24	102	2	108	0	0	149	63	100	58	20	1	3	
Sep-17	154	115	10	29	57	4	93	0	0	121	33	100	28	23	0	3	484
Oct-17	190	163	5	22	104	4	82	0	0	125	65	96	39	50	0	5	
Nov-17	139	117	14	8	61	3	75	0	0	104	35	64	36	35	1	3	
Dec-17	145	118	17	10	78	1	66	0	0	92	53	64	38	39	4	0	
Annual	2430	2104	94	232	1319	56	1055	0	0	1590	840	1177	499	669	20	35	474
																	2430

## NJDOT Research Library Statistics for CY 2017

### Reporting to the NJ State Library

Month	Patron Contacts	Reference Questions	Items via Librarian	Pages Delivered	Free Searches	Fee Searches	ILL Borrowing	ILL Lending	Loans Outside of Horizon
January	132	129	166	528	112	6	3	23	12
February	120	113	91	960	53	22	4	12	16
March	140	150	139	1143	43	20	5	25	26
April	130	133	124	674	51	7	3	7	17
May	117	103	100	690	46	12	2	22	9
June	149	148	160	1557	52	21	5	16	13
July	74	78	55	568	39	8	1	7	8
August	147	136	102	1428	23	9	4	19	8
September	119	144	73	1555	54	38	6	26	9
October	104	109	108	1113	81	19	7	20	11
November	104	108	70	2456	40	6	2	9	11
December	71	77	78	1136	63	19	12	8	19
<b>Totals</b>	1407	1428	1266	13808	657	187	54	194	159

**APPENDIX B**  
**MONTHLY RESEARCH LIBRARY REPORTS**

**New Jersey Department of Transportation**  
**RESEARCH LIBRARY MONTHLY REPORT**

**January 2017**

**7510 - Research Library Operations**

**Critical Issue**

- Assistant Commissioner Dave Kuhn downloaded an AASHTO digital publication before we could get to it, so now anyone at NJDOT wanting to view this document must login with his DRM account and password. He now realizes the benefits of having the Research Library download these documents.
- The NJDOT webmaster is not saving Administrative Directives – he advised that it is up to the units to save them, preferably in SharePoint. It is unclear if the units are aware of this situation.
- The OCLC Connexion upgrade was installed by IT to Laurie’s computer, allowing resumption of copy cataloging.

**New Initiatives**

- Received materials from Pavement Design (NJDOT) and will incorporate into our collection.
- From contact with session presenter Patty Cramer at the 2017 TRB Annual Meeting, received links to her reports on wildlife crossings, traffic safety, and ecology and transportation, which we will add to our digital collection.
- Signed up with two FHWA divisions to receive their publications.

**Significant Accomplishments – Librarian 1**

- Identified, located, and lent legal information re: takings and mitigation for Right-of-Way (ROW) staff.
- Located correct spelling of a former NJDOT director in the 2000 NJDOT telephone directory for Operations.
- Located and lent items cited in *Transportation Choices 2025* for use by Legislative, Administrative & Regulatory Actions.
- Sent copies of a CD-ROM to the NJ State Library for their collection.
- Purchased and lent a geotechnical engineering text for use by Structural Design.
- Downloaded two TRB 2017 Annual Meeting papers for Multimodal Services.
- Sent articles on the Gateway tunnel project to Operations.
- Provided notice of and access to an AASHTO digital publication for Statewide Planning.
- Forwarded a *Government Technology* article on a new asset management platform to Statewide Planning.
- Provided link to a CNN video on Obama’s legacy for Civil Rights.
- Forwarded notice of Michigan research reports online to Research.
- Told several NJDOT staff from various units about online databases, *Pronunciator and Rosetta Stone*, available via the NJ State Library website.
- Forwarded the latest issue of the UC-Berkeley e-newsletter, *SafeTREC*, to Bike/Ped, Transportation Data & Safety, and Traffic Engineering.



- Sent information on *MatWeb*, a searchable database of materials properties, to Materials, Traffic, Bridge Design, Pavement & Drainage Management & Technology, Structural & Railroad Engineering, Structural Evaluation, Operations, and Research.
- Edited an article abstract for Structural Design staff to submit to a journal publisher for publication.
- Obtained print copy of an online FHWA report at request of Bike/Ped.
- Forwarded an *Asbury Park Press* article on the recent Delaware River Bridge failure to Operations.
- Forwarded an *Emergency Management* article on 911 cyberattack to the Office of Emergency Management & Transportation Security (formerly OEM), IT, and Operations.
- Identified, located, and lent the latest edition of the *Steel Construction Manual* for use by Geotechnical Engineering.
- Forwarded the latest issue of the University of South Florida's *Journal of Public Transportation* and an *Access Magazine* infographic on bus ridership to NJ Transit and NYC MTA.
- Assisted Government & Community Relations staff with computing SSA retirement benefit options.
- Sent our list of NJDOT staff with PEs to Administration.
- Forwarded an *Advocate* article on a polymer coating to Materials, Construction, Pavement & Drainage Management & Technology, Structural & Railroad Engineering, and New Technologies & Products.
- Forwarded a link to Volpe reports to Planning, Transportation Systems Management (TSM), and Capital Program Management (CPM) bureaus.
- Sent a link to *HeinOnline* database and location of NJDOT units receiving print updates for federal and NJ State law to Research.
- Provided location of an AASHTO publication for Structural & Railroad Engineering.
- Identified, located, and photocopied updates to the AASHTO *LRFD Bridge Design Specifications* for Structural & Railroad Engineering.
- Requested material via interlibrary loan for use by CPM staff.
- Identified, located, and lent PE material to Structural Evaluation.
- Sent notices of webinars to PEs, IT, Construction, Materials, Pavement Design, Environmental Services (CPM), Statewide Planning, Multimodal Services, Data Development & Safety, Environmental Resources, Operations/OEM, Bridge Engineering & Infrastructure Management, TSM, Administration, and the Inspector General's Office.
- Identified, located, and lent civil service exam preparation materials to Construction, Regional Design CADD & Survey, Pavement Design, Project Management, Operations, and Accounting & Auditing.
- With Club President Neha Galgali, wrote an article on the NJDOT Toastmasters Club for the Transporter, the employee (e-)newsletter.

### **Significant Accomplishments – Librarian 3**

- Identified, located, and lent civil service exam study materials to Project Management, Program Management Office (PMO), Quality Management Services (QMS), Construction, Right-of-Way, Major Access Permits, Regional Design CADD & Survey, Roadway Design, and Traffic Engineering.
- Identified, located, and lent a GRE study book for use by Structural Evaluation.
- Identified, located, and lent a TOEFL study book for use by Structural & Railroad Engineering.

- Provided library card registrations to Right-of-Way, Project Management, Construction, and Materials.
- Provided several documents from our collection to other libraries via interlibrary loan.
- Identified, located, and lent PE material to Structural Evaluation.
- Continued adding new TRB materials and older items in the collection into the Shared Resources Catalog.

### **Significant Accomplishments – Both Librarians**

- Responded to a total of 328 requests, 297 (or 91%) of which were from NJDOT staff. The rest were from the NJ State Library; NJIT; NJ Transit; FHWA/TFHRC; USEPA Region 2; GAO; Oregon DOT; Virginia DOT; Massachusetts Water Resources Authority; Louisiana Technical University; North Carolina State University; Penn State University; Southern Illinois University; Syracuse University; Texas A&M University; University of Buffalo; University of Delaware; University of Kentucky; University of Maryland; University of Massachusetts-Amherst; University of Minnesota; University of Missouri-Kansas City; University of Texas-Arlington; University of Wisconsin-Madison; and the Lithuanian National Commission for Cultural Heritage. The 250 reference requests and 78 document requests together resulted in provision of 124 loans, 29 documents, 4 photocopies, 4 printouts, and 167 verbal or written replies. A separate spreadsheet is provided.

### **Meetings/Classes**

- Carol attended the TRB Annual Meeting in Washington, DC.
- Carol attended an AIIM webinar, *How to Plan Your Information Management Strategy in 2017*, presented by Bob Larrivee of AIIM and Mark Brousseau of Brousseau & Associates.
- Carol attended a Transportation Librarians Roundtable webinar, *Challenges and Opportunities in Providing Access to Transportation Collections*, presented by Dawn Reinhardt of the FHWA Research Library, Lamara Williams of the North Carolina DOT Library, and Anlin Yang of the National Transportation Library.
- Carol attended an SLA Rio Grande Chapter webinar on *Copyright and Fair Use in Research* presented by Marsha Baum of the University of New Mexico School of Law.
- Laurie attended a *Library Journal* webcast, *PostMARC'd: Delivering a New Approach to Cataloging*, presented by Jamison Reynolds of The Library Corporation (TLC).
- Carol attended a CIPGA Initiatives meeting.
- Carol attended the ETKN telephone meeting.
- Carol attended an ALA webinar on *Library Marketing* presented by Dana Braccia, University of Arizona, Kimberly Crowder, Indianapolis Public Library, and Angela Hursh, Public Library of Cincinnati and Hamilton County.

c: Camille Crichton-Summers  
 Amanda Gendeck  
 Doris Murphy  
 Maria Baratta  
 Margaret Nizolek  
 Cindy Warrick  
 Stefanie Potapa

**New Jersey Department of Transportation**  
**RESEARCH LIBRARY MONTHLY REPORT**

**February 2017**

**7510 - Research Library Operations**

**Critical Issues**

- IT has installed the Adobe security plug-in on all Department PCs, so everyone now can have access to the AASHTO digital publications either through the intranet or AASHTO Bookstore. Login is still required. Previously, IT was installing the software to individual PCs only on demand.
- We are missing many issues of *ENR: Engineering News-Record*, a paid subscription, and have been claiming the missing issues through EBSCO, the journal subscription management company.
- The Research Library, in its new location for almost two years now, is providing quiet work space as well as onsite computer use to Headquarters staff and visitors from the regions and yards. To quote one neighbor, thanking us for use of quiet space away from her desk, “I got 75% of my project done – due tomorrow.” Visitors accessing the computer or just the study space have just this month included staff from Operations, Planning, Research, and Right-of-Way-North.

**New Initiatives**

- We’ve requested a set of the next most recent edition of the *ACI Manual of Concrete Practice (MCP)* from Materials when they get their new edition.
- TRB Committee ADD20, Committee for Social and Economic Factors, is interested in adding resources for recovery for disadvantaged populations to the FHWA Pooled Fund Study TPF-5(237)-sponsored [\*Extreme Event Preparedness & Response for Operations \(EEPRO\)\*](#) LibGuide.
- Carol has been invited to join the Transportation Research Thesaurus (TRT) Subcommittee of the [\*TRB Information Services Committee \(B0002\)\*](#).

**Significant Accomplishments – Librarian 1**

- Identified and located dredging publications for Statewide Strategies.
- Sent access information for *AASHTO Guide Specifications for Wind Loads on Bridges during Construction* to Bridge Engineering and provided printouts.
- Sent latest issue of *HSDL Critical Releases in Homeland Security* to Office of Emergency Management & Transportation Security.
- Told numerous staff in Structural Design and Construction about the NJ State Library *Pronunciator* and *Rosetta Stone* databases.
- Sent *Be Leaderly* article on improving presentations to NJDOT Toastmasters members.
- Sent report on regional sea-level rise to Planning, Operations, and others.
- Edited an article on the NJDOT Toastmasters Club for submission to the *Transporter*, the NJDOT employee e-newsletter.
- Identified, located, and borrowed from other libraries via interlibrary loan several books for Structural Design.
- Explained to Right-of-Way-South staff the difference between browsing biographies on the shelf at the NJ State Library versus searching the online catalog and saving records to a folder.

- Sent the Research Library promotional brochure to NJDOT HR for new employee orientation.
- Downloaded several AASHTO documents and notified relevant units.
- Forwarded a Texas report on an overlay tester for asphalt mixtures to Materials.
- Sent link to a video series from *HeinOnline* to attorneys and legal researchers throughout the Department.
- Located and lent the AASHTO *LRFD Bridge Design Specifications* and interim revisions for Structural & Railroad Engineering.
- Sent a *Curbed* article on proposed interstate removal to Planning staff - a vigorous discussion ensued.
- Gave library tour to Construction staff and lent the latest edition of the *Asphalt Handbook*.
- Located and lent the AASHTO *Standard Specifications for Highway Bridges*, 3<sup>rd</sup> edition (1941) to Geotechnical Engineering.
- Forwarded notice of a VitalSmarts event on addressing “the cultural chasm in your organization” to CIPGA.
- Showed New Technologies & Products staff how to access ASTM standards.
- Identified, located, and lent civil service exam study materials to staff in Accounting & Auditing, Construction, and Operations.
- Explained the holdings of the NJ State Library and the NJDOT Research Library to Structural Evaluation staff and showed how to access both; also sent list of PE/FE materials held and link to the National Learning Corp website.
- Explained to Accounting & Auditing staff how to search the NJ State Library catalog.
- Sent link to KARE-TV (Minneapolis-St. Paul) drone article and video to Aeronautics, Bridge Inspection & Evaluation, Construction, Materials, Operations, and Project Management.
- Sent link to the February 2017 issue of *ITE Journal* including links to full text of articles to Planners, Aeronautics, and Project Management.
- Sent *Access Magazine* infographic on bikeshare users to Bike/Ped staff.
- Provided *Science Daily* article on process for creating concrete at lower temperatures to Bridge Engineering & Infrastructure Management, Construction, Materials, Operations, and Research.
- Forwarded a *PhysOrg.com* article on self-healing cement to multiple units in CPM and Operations.
- Sent *USA Today* article on drones to Aeronautics and Information Management & Technology Planning.
- Sent *Government Technology* article on National Drone Rules to Aeronautics and the Inspector General.
- Located the 2015 and 2016 *Interim Revisions* to the AASHTO *LRFD Bridge Design Specifications* for Structural & Railroad Engineering.
- Sent *Civil Engineering* article on liquefaction to Geotechnical Engineering.
- Provided purchase information for the AASHTO *LRFD Bridge Design Specifications* and interims to Structural Evaluation.
- Sent notice of a webinar on LED street lights to Traffic Engineering and Support Services/Facilities.
- Sent notice of a webinar on highway rumble strip noise to PEs, Environmental Resources, and Data Development & Safety.

- Forwarded a *Forbes* article on employee retention to Operations and NJDOT HR.
- Assisted Structural Evaluation staff with opening an AASHTO digital publication.

### **Significant Accomplishments – Librarian 3**

- Identified, located, and lent civil service exam study materials to Access Design, Accounting & Auditing, Project Management, Structural Evaluation, and Traffic Engineering.
- Located and lent the AASHTO *LRFD Bridge Construction Specifications* and interim revisions to Structural Evaluation and to Structural & Railroad Engineering.
- Located and lent the AASHTO *LRFD Bridge Design Specifications* and interim revisions to Structural & Railroad Engineering and Structural Evaluation.
- Identified, located, and lent ASCE/SEI 7-10, *Minimum Design Loads for Buildings and Other Structures* and companion significant changes to Structural & Railroad Engineering.
- Verified access to the *PCI Bridge Design Manual* 3<sup>rd</sup> edition for Structural & Railroad Engineering.
- Identified, located, and lent the latest edition of *Fitzgerald's Manual of the Legislature of New Jersey* to Freight Services.
- Identified, located, and lent *Design Loads for Structures during Construction* (ASCE 37-14), *Formwork for Concrete* (ACI SP-4), and ACI 318-14 (in *Manual of Concrete Practice*, Part 3) to Maintenance.
- Located and lent the latest *NJDOT Standard Construction Details* to Project Management.
- Provided a library card and introduction to services to Structural & Railroad Engineering.
- Lent two NCHRP reports to Bike/Ped.
- Identified, located, and lent the latest *Steel Construction Manual* to Geotechnical Engineering and showed access to ASTM portal via intranet.
- Showed Transportation Data & Safety staff how to access Title 39 (Motor Vehicles) via the NJ State Library website.
- Provided library cards to Construction-North, Project Management, and Roadway Design.
- Responded to external libraries' requests for materials via interlibrary loan.

### **Significant Accomplishments – Both Librarians**

- Lent 2 volumes of the *Bridge Engineering Handbook* to Structural & Railroad Engineering.
- Responded to a total of 223 requests, 195 (or 88%) of which were from NJDOT staff. The rest were from the NJ Dept. of Environmental Protection; a New Jersey non-profit; a New Jersey resident; US Army Engineer R&D (Vicksburg, MS); NY Metropolitan Transit Authority (MTA); Sound Transit (Washington State); California State University-Fresno; Cokamo/Mid-Continent Library (MO); Cornell University; Hansen Professional Services (IL); National Indian Law Library (CO); Portland State University (OR); Texas A&M University; University of Maryland; and University of Wisconsin-Madison. The 126 reference requests and 97 document requests together resulted in provision of 75 loans, 42 documents, 2 photocopies, 5 printouts, and 99 verbal or written replies. A separate spreadsheet is provided.

### **Meetings/Classes**

- Carol attended an SLA Transportation Division Board telephone meeting - last one as outgoing Division treasurer.
- Laurie attended an OCLC "WorldShare ILL Borrowing" webcast presented by Jeff Brunner of OCLC.

- Carol attended a NJ State Library staff meeting
- Carol attended a CIPGA Initiatives meeting.
- Carol attended the CIPGA Brown Bag discussion on the State Transportation Innovation Council (STIC).
- Carol attended a Lucidea webinar, “Striking the Balance: the Power of High Touch in a High Tech World,” presented by Steve Abram of the Federation of Ontario Public Libraries.
- Carol attended a SirsiDynix webinar on “The Future of Library Space” presented by Kathryn Moore Crowe of the University of North Carolina at Greensboro.
- Carol attended a NJDOT Toastmasters officers’ meeting.

c: Camille Crichton-Summers  
Amanda Gendeck  
Doris Murphy  
Maria Baratta  
Margaret Nizolek  
Cindy Warrick  
Stefanie Potapa

February 2017, Monthly Report, page 4 of 4

**New Jersey Department of Transportation**  
**RESEARCH LIBRARY MONTHLY REPORT**  
**March 2017**  
**7510 - Research Library Operations**

**Critical Issues**

- The Tranlib access issue has been resolved, with assistance from NJDOT IT, OIT, and SLA IT.
- Much confusion exists among NJDOT staff, particularly Bridge Engineering & Infrastructure Management, regarding access to AASHTO materials, even when that Division has gotten 9 copies. A Department procedure on the intranet would be helpful.
- Our reporting format may change due to a requirement for quarterly and annual reports to FHWA and NJDOT, while continuing monthly reports to the NJ State Library.

**New Initiatives**

- Assisting the Communications Office with locating materials for display to celebrate the 50th anniversary of NJDOT as the *NJ Department of Transportation* (as opposed to the State Highway Department).
- Supplying the Department “artist” (in Project Management) with materials and suggestions for a painting for the Department’s 50<sup>th</sup> anniversary.

**Significant Accomplishments – Librarian 1**

- Located a copy (not in Library) of the NJDOT 1989 *Crew Supervisor’s Manual* for the Inspector General’s Office to prepare for defense in a lawsuit.
- Verified presence of hardcopy of the *Manual on Uniform Traffic Control Devices* (MUTCD) and two revisions for future loan to Legislative Analysis & Regulatory Actions.
- Sent info and a link for changes to the *Bridge Welding Code* to Materials - they will order several copies of the new 7<sup>th</sup> edition, including an extra one for the Research Library!
- Verified presence of the AASHTO *Roadside Design Guide* for Structural & Railroad Engineering.
- Forwarded the latest online issue of *SafeTREC Newsletter* (UC-Berkeley) to Bike/Ped, Transportation Data & Safety, and Traffic Engineering.
- Suggested select intranet pages to view for Project Management staff to prepare for a job interview.
- Showed Maintenance staff how to access an AASHTO digital publication, *Movable Bridge Maintenance Manual*.
- Forwarded a Nevada DOT drone video (via *Traffic technology International*) to Aeronautics, Office of Emergency Management & Transportation Security (OEMTS), and Operations.
- Gave library tour and introduction to the NJ State Library catalog and NJDOT Shared Resources database, and searching both to Project Management staff.
- Reviewed third and fourth quarter reports on the Research Library before Research staff submitted them to FHWA-NJ Division.
- Finished editing the 2016 third quarter of *Selected Recent Acquisitions* and sent to the Webmaster for posting to the intranet newsletters and internet Library site.
- Located an NJDOT manual (not in Library) listing control sections for Structural Evaluation.

- Assisted a consultant (former NJDOT director) to locate Department materials on mechanically stabilized earth and provided photocopies and loan from the collection, and sent literature search results.
- Identified, located, and lent PE exam study materials to staff in Pavement Design.
- Identified, located, and lent civil service exam study materials to staff in Auditing & Accounting, Bridge Maintenance, Construction, CPM Director's Office, Electrical Permits, Roadway Design, ROW, Structural & Railroad Engineering, and Traffic Engineering.
- Sent notices of free lectures and webinars to Aeronautics, Materials, Operations, Pavement Design, PEs, Planning, and Transportation Systems Management (TSM).
- Sent *forConstructionPros.com* article on autonomous vehicles to CPM, Planning, and TSM staff.
- Sent Texas reports on autonomous vehicles to Planning and TSM.
- Identified, located, and lent the 1969 AASHTO *Standard Specifications for Highway Bridges*, and subsequently other editions and interim revisions, to Geotechnical Engineering staff.
- Located CPM "Funds Management Training" on the intranet for Major Access Permits staff.
- Sent notice of a TRB video series on self-consolidating concrete to Materials, Construction, Bridge Engineering, and Operations.
- Sent an *AASHTO Journal* article and link to a report on *Driverless Future* to Planning and TSM.
- Sent notice of an AASHTO digital publication, *2016 Salary Survey*, to NJDOT Human Resources.
- Identified and located published evidence of Motor Vehicle Commission's past status as an NJDOT division for Accident Records staff to provide to FHWA.
- Sent a *Government Technology* article on innovation to CIPGA.
- Procured hardcopies of a TCRP report from TRB and a report from FHWA for Bike/Ped.
- Sent a *Fast Company online* article on communication styles for women to the Women in Transportation group.
- Sent a *Scientific American* article on potential pedestrian and autonomous vehicle conflicts to Planning and TSM.
- Sent a *State Journal* (Charleston, WV) article on filling potholes to staff in Operations, CPM, and Environmental Resources.
- Lent book from the collection, *Move!*, to the Commissioner.
- Searched TRID for records on high friction surface treatments and sent results to Local Aid.
- Located articles and a book for Research and provided documents and loan via OCLC interlibrary loans.
- Verified, located and borrowed a book via interlibrary loan for Landscape Architecture.

### **Significant Accomplishments – Librarian 3**

- Identified, located, and lent civil service exam study materials to Construction, Geotechnical Engineering, Operations, Project Management, Research, Right-of-Way, Statewide Planning, and Structural Evaluation.
- Verified, located, and lent the AASHTO *LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals* to Geotechnical Engineering.



- Identified, located, and lent the AASHTO *Standard Specifications for Highway Bridges*, 12<sup>th</sup> and 14<sup>th</sup> editions to Geotechnical Engineering
- Identified, located and lent PE exam study materials to Project Management and Traffic Engineering.
- Provided reading lists for supervisory and management test batteries to Operations.
- Identified, located, and lent a statistics textbook to Research.
- Copy cataloged donated and new materials.

### **Significant Accomplishments – Both Librarians**

- Responded to external libraries’ requests for materials via interlibrary loan.
- Responded to a total of 280 requests, 234 (or 84%) of which were from NJDOT staff. The rest were from the NJ Dept. of Environmental Protection; New Jersey Department of Treasury; New Jersey State Library; two New Jersey businesses; US Department of State; Arkansas State Highway & Transportation Department; Allen County (IN) Public Library; California State University-Fullerton; Cokamo/Mid-Continent Library (MO); George Washington University; Ithaca College; Iowa State University; Milton Union (OH) Public Library; Penn State University; Perry County (KY) Public Library; Purdue University; Rivier University (NH); Texas A&M University; Temple University; University of Arkansas; University of Buffalo; University of Maryland; and University of Oklahoma. The 172 reference requests and 108 document requests together resulted in provision of 96 loans, 44 documents, 3 photocopies, 3 printouts, and 134 verbal or written replies. A separate spreadsheet is provided.

### **Meetings/Classes**

- Carol attended the Project Management Overview for CIPGA provided by Project Management staff.
- Laurie attended a *Library Journal* and Dove Press webcast, “Open Access: How to Support Researchers” presented by Rick Andersen of the University of Utah, Ashley Farley of the Gates Foundation, and Yvonne Budden, of the University of Warwick (UK).
- Carol attended a VitalSmarts webinar, “The Influential Leader: How to Reverse Status Quo Behavior and Lead Change” presented by book author David Maxfield and Tom Rose of VitalSmarts.
- Carol attended a Transportation Research Thesaurus (TRT) Subcommittee telephone/online meeting.
- Laurie attended a *Library Journal* webinar, “What’s the Right Mix? A Holistic Look at Collection Development presented by Eric Wedig of Tulane University and Sara Beaubeen of Grand Valley State University.
- Carol attended a Special Libraries Association (SLA) webinar on KanbanFlow presented by Rachel Evans of the University of Georgia.
- Carol attended a CIPGA Initiatives meeting.
- Laurie attended an OCLC “WorldShare ILL Lending” webcast presented by Jeff Brunner of OCLC.
- Carol attended an *American Libraries* ALive webinar on “How to Design Your Own Library READ Poster” presented by Rachel Johnson and Julie Cai of ALA Graphics.
- Carol attended the NJDOT Women’s History Month panel discussion on “Automation & Connectivity” featuring Nadereh (Nady) Moini of the NJ Sports and Exposition Authority, Kathleen Swindler of Parsons Brinckerhoff, and Hong Yuan of HDR Inc.
- Carol attended the NJDOT Toastmasters officers meeting.
- Carol attended an ETKN telephone meeting.

- Laurie and Carol both attended the CIPGA roundtable presentations by attendees of the January 2017 TRB Annual Meeting. Carol was one of 7 presenters - PowerPoint is attached.

c: Camille Crichton-Summers

Amanda Gendeck

Doris Murphy

Maria Baratta

Margaret Nizolek

Cindy Warrick

Stefanie Potapa

March 2017, Monthly Report, page 4 of 4

**New Jersey Department of Transportation**  
**RESEARCH LIBRARY MONTHLY REPORT**

**April 2017**

**7510 - Research Library Operations**

**Critical Issues**

- Met with Research staff re: revamp of library website and discussed other topics as well, including a locking bookcase for “hot” materials, need for an archivist, and a user needs assessment survey.
- Phoned publisher of *ENR: Engineering News-Record* and was told that EBSCO has not claimed the missing issues on our behalf. We subsequently received 8 back issues, which leaves 9 issues in the last 12 months still not received - at this point, we’re not expecting them. EBSCO has also apparently unilaterally canceled our subscription, and has applied some credit. Online access to the journal is possible via the NJ State Library’s website, Research Library/Electronic Resources/[E-Journals](#), so we will not pursue further with EBSCO.
- We also received some missing issues of *ITE Journal* by contacting the publisher directly.
- Met with Commissioner’s Office and Communications staff to discuss how to handle photographs from retiring Communications staff and also Library’s unlabeled photos. Commissioner’s Office staff will digitize. Discussed need for an archivist - no funding for such a position.

**New Initiatives**

- Wrapping up ordering for FY2017 and looking for any last-minute requests from units.
- We’ve received donations from Geotechnical Engineering and will sift through these items to see what to keep, rehome, or discard.
- Looking into user needs assessment, and will work with Research to see if part-time archival function can be filled as a project.
- Gathering photos to bring to Commissioner’s Office for digitizing.

**Significant Accomplishments – Librarian 1**

- Identified several possible reports of interest based on a very incomplete citation (I-287 Mobility Plan) for Statewide Planning.
- With assistance from NJDEP Information Center staff, located an updated dredging manual published as an appendix to a regulation for Statewide Planning.
- Suggested NJDOT contacts for Statewide Planning staff looking for info regarding mapping standards, boundaries, and right-of-way.
- Sent current issue of *ITE Journal* table of contents to Planners.
- Reviewed and edited notes from the TRB attendee presentation for Research.
- Searched for reviews of *e-builder* software for Research.
- Obtained a conference paper via interlibrary loan from Stevens Institute of Technology for Research.
- Forwarded the current issue of *Texas Transportation Researcher* to Research.
- Showed Research staff how to access NJDOT research reports on the Library public access PC; lent print copies of the reports sought (print format preferred).

- Sent a *ScienceDaily* article on an automated “rockfall activity index” system to Geotechnical Engineering.
- Sent an *Atlanta Journal-Constitution* article on the Interstate 85 bridge collapse in Atlanta to Construction & Materials, Bridge Engineering, and Maintenance.
- Forwarded a Michigan report on older adult crashes to Transportation Data & Safety, Roadway Design, and Transportation Systems Management (TSM).
- Located someone in the Dept. with a hygrometer (to measure humidity) for use by Landscape Architecture staff.
- Forwarded a *CityLab* article with link to an online guide, *Naturally Resilient Communities*, to multiple units in Planning, CPM, and Operations.
- Sent a *Bloomberg* article on the Hudson River rail tunnels to Maintenance.
- Forwarded online issue of *Stormwater Magazine* to staff in several units of CPM, Operations, and Planning.
- Sent links to information and materials on pollinators and roadsides from *AASHTO Journal* to multiple units in CPM, Planning, and Operations.
- Sent the March/April issue of the *National Technical Reports Newsletter* regarding “smart cities” to staff in Planning, TSM, CPM, and Operations.
- Identified, located, and lent an NCHRP report on bridge software validation guidelines for Structural Evaluation.
- Sent a *Forbes* article with speaking tips to NJDOT Toastmasters members.
- Sent an ASCE paper on limestone in cement to Materials.
- Downloaded and sent access instructions for the web-based AASHTO “Materials Book” to units in CPM and Operations.
- Identified, located, and lent PE exam study materials to staff in the Program Management Office, Roadway Design, and Structural Evaluation.
- Identified, located, and lent civil service exam study materials to staff in CADD Support, Construction, Environmental Resources, Facilities, Geotechnical Engineering, and Statewide Planning.
- Sent notices of free lectures and webinars to Capital Investment, CFO, CIPGA, Environmental Solutions, Legislative Analysis, Materials, Multimodal Services, Office of Emergency Management & Transportation Security (OEMTS), PEs, Planners, Statewide Planning, Traffic Engineering, Transportation Data & Safety, and TSM.

### **Significant Accomplishments – Librarian 3**

- Identified, located, and lent AASHTO, NJDOT, and TRB roadway design and safety materials to Structural & Railroad Engineering.
- Identified, located, and lent civil service exam study materials to Construction, Highway & Traffic Design, Landscape Architecture, Operations, Project Management, Structural & Railroad Engineering, and Structural Evaluation.
- Explained process for borrowing items from the NJ State Library to Project Management staff.
- Lent the *AASHTO Maintenance Manual 2007* to Maintenance.
- Lent the *AASHTO Bridge Design Specifications* and interim updates to Structural Design.

- Identified, located and lent PE and FE exam study materials to Pavement Design and Structural Evaluation.
- Lent the *Steel Construction Manual* to Geotechnical Engineering.
- Copy cataloged donated and new materials.
- Continued adding newly acquired materials and reports from the TRB newsletters into the Shared Resources Catalog, uploading the full text where possible.
- Checked giveaway list of AASHTO publications from California DOT (Caltrans) against our holdings for possible inclusion into the collection.

### **Significant Accomplishments – Both Librarians**

- Lent AASHTO materials to Structural & Railroad Engineering.
- Provided NJSL library cards to staff in various units.
- Filled interlibrary loan requests for books and articles to outside requestors.
- Responded to a total of 209 requests, 197 (or 94%) of which were from NJDOT staff. The rest were from the New Jersey State Police; New Jersey State Library; USEPA Region 9 (CA); Washington State Department of Transportation; King County (WA) Library System; Ohio University; Temple University; University of Arizona; University of Massachusetts-Amherst; and University of Texas-Rio Grande Valley. The 138 reference requests and 71 document requests together resulted in provision of 65 loans, 44 documents, 2 printouts, and 98 verbal or written replies. A separate spreadsheet is provided.

### **Meetings/Classes**

- Carol convened the website meeting with Research staff.
- Carol met with Commissioner’s Office and Communications staff as mentioned above.
- Laurie and Carol attended the Transportation Librarians Roundtable webinar on the National Work Zone Safety Clearinghouse presented by Hong Yu of the Texas A&M University Texas Transportation Institute.
- Carol attended a Lucidea webinar, “Digital Preservation for Archives: Strategies for Success,” presented by Victoria McCargar of Mount Saint Mary’s University in Los Angeles.
- Laurie viewed several TRB saved video presentations on Using the New TRID Interface: “Why Start Your Transportation Research with the TRID Database?”; “Searching the TRID Database from Your Desktop”; and “Searching the TRID Database from Your Mobile Device.”
- Carol attended the CIPGA Brown Bag presentation on the Drone Program presented by Glenn Stott of Aeronautics (NJDOT)
- Carol attended the TRB Library and Information Science in Transportation (LIST) Committee telephone meeting.
- Carol attended a Lucidea webinar, “How to Accelerate your KM Program: It’s Achievable if You’re Agile,” presented by Bill Kaplan, founder of Working Knowledge and book author.

c:	Camille Crichton-Summers	Amanda Gendeck
	Doris Murphy	Maria Baratta
	Margaret Nizolek	Cindy Warrick
	Stefanie Potapa	

**New Jersey Department of Transportation**  
**RESEARCH LIBRARY MONTHLY REPORT**  
**May 2017**  
**7510 - Research Library Operations**

**Critical Issues**

- Met with the Webmaster regarding an NJDOT Research Library presence on the intranet with some links behind firewall. From that, update of internet site will be easier.
- Having received the 8 back issues of *ENR: Engineering News-Record*, we've been informed by EBSCO that the other missing issues will not be forthcoming, either due to being out of stock or beyond the claim period (although they were claimed within it). The publisher will extend the subscription to make up for the issues they can't send, and we will not renew – the renewal notices have been arriving much more reliably than have the journal issues.
- We were able to have folders installed on an alternate network printer/scanner since the one we had been using has been out of commission.

**New Initiatives**

- Asked Materials for a print copy of the last edition of the *ACI Manual of Concrete Practice* when they get their new one.
- With Research Project Manager, will be working on the Research Library final report for FY 2017.
- Ordered pre-publication PE books to be counted for FY 2018 since they won't be received before cutoff.
- Suggested subscription to the *APA Style Central*, an electronic resource, for the State Library's digital collection of databases.

**Significant Accomplishments – Librarian 1**

- Showed in person and/or sent email instructions for accessing AAHTO digital documents to staff in Bridge Engineering & Infrastructure Management, Construction, Materials, and Traffic Engineering.
- Sent a Wheeling, WV newspaper article on a fiber-reinforced polymer composite that replaces steel rebar in concrete to Bridge Engineering, Materials, and Operations.
- Answered questions regarding the TRB Annual Meeting sessions and dynamic cruise control for Operations.
- Identified and located final products for a 1997 “Emissions Reduction Study” for Research to close out a project.
- Assisted Operations staff with wording for a proposal.
- Sent notice of a NJ State Museum program on fossils to Geotechnical Engineering.
- Provided introduction to the library and services to Materials staff; demonstrated access to the Shared Resources Catalog, NJ State Library catalog, and holdings for a civil service study guide.
- Sent an article from *The Verge* regarding concrete resilience to Bridge, Construction, Materials, and Operations.
- Identified, purchased, and lent several National Learning Corp. passbooks for use by Project Management.

- Obtained printout of an FHWA report for Landscape Architecture.
- Identified, located, and lent NLC passbooks for Auditing & Accounting, Landscape Architecture & Environmental Solutions, Operations, and Survey.
- Verified for Bike-Ped that an FHWA report is available only electronically.
- Verified for Research that particular documents from AASHTO and TRB are available only digitally.
- Lent the *MUTCD* 2009 edition to Legislative Analysis.
- Responded to a request from the FHWA Library regarding copyright of state reports.
- Sent notices of webinars to Construction, drainage people from various units, Environmental staff, HR, professional engineers (PEs), and Planning.
- Forwarded notice of, and link to, the 2016 *AASHTO Salary Survey* to HR.
- Sent an *AASHTO Journal* article on an FHWA “microsite” on guardrail performance to Materials, Roadway Design, Structural & Railroad Engineering, and Transportation Data & Safety.
- Obtained the latest version of the *Blue Book* and lent that and the previous fuller edition to Local Aid.
- Located information on 2 *CFR* 200, including print purchase information for Research.
- Sent a *Civil Engineering* article on 3D imaging for engaging the public to Bridge, Capital Program Support, Construction & Materials, Environmental, Highway & Traffic Design, Planning, and Project Management.
- Sent notice of UTRC-Region 2 connected vehicle demonstrations to Transportation Systems Management (TSM).
- Sent several articles on public speaking to NJDOT Toastmasters members.
- Located a local holder (The College of New Jersey) of an RSMeans publication for Geotechnical Engineering staff and arranged access for use of material on reserve there.
- Obtained an *ASCE Library* conference paper via interlibrary loan for Research.
- Sent a *Futurism* article and video on self-healing asphalt to Construction & Materials, Pavements, and Operations.
- Sent an *E&E News* article on cyberattacks on critical U.S. energy infrastructure to the Office of Emergency Management & Transportation Security (OEMTS).
- Sent a *FutureStructure* article and video on light poles and smart city strategy to Planners, Traffic, TSM, and Utilities.
- Identified, located, and lent print and video resources on mass concrete to Structural & Railroad Engineering.
- Forwarded an *AASHTO Journal* article on roadside mowing to Operations.
- Borrowed a text from Caltrans via interlibrary loan for use by Geotechnical Engineering.

### **Significant Accomplishments – Librarian 3**

- Identified, located, and lent civil service exam study materials to Accounting, Construction, Geotechnical Engineering, Highway & Traffic Design, Operations, and Right-of-Way.
- Lent the *AASHTO Bridge Design Specifications*, 7<sup>th</sup> edition, to Structural Evaluation.

- Identified, located, and lent the AASHTO *Standard Specifications for Highway Bridges*, 2002 17<sup>th</sup> edition, to Structural & Railroad Engineering.
- Copy cataloged recently donated materials.
- Continued adding newly acquired materials and reports from the TRB newsletters into the Shared Resources Catalog, uploading the full text where possible.

### **Significant Accomplishments – Both Librarians**

- Lent AASHTO *LRFD Specifications for Structural Supports for Highway Signs, Luminaires & Traffic Signals*, 2015 edition, to Structural & Railroad Engineering.
- Provided use of library computer to Operations staff.
- Filled interlibrary loan requests for books and copies to outside requesting libraries and institutions.
- Responded to a total of 177 requests, 146 (or 82%) of which were from NJDOT staff. The rest were from the NJ State Police; NJ State Library; NJ Dept. Environmental Protection; NJ Dept. of Labor & Workforce Development; California Dept. of Transportation (Caltrans); Wisconsin Dept. of Transportation; Federal Highway Administration; U.S. Army Engineering R&D (MS); the Brookings Institution; San Francisco Metropolitan Transportation Agency; Antioch University; Penn State University; Northern Arizona State University; Saint Joseph’s University; Southern Illinois University; Texas A&M University; University of Delaware; University of Massachusetts-Lowell; University of Redlands (CA); University of South Florida; University of Wisconsin-Madison; and an out-of-state business. The 116 reference requests and 61 document requests together resulted in provision of 45 loans, 37 documents, 4 photocopies, 3 printouts, and 88 verbal or written replies. A separate spreadsheet is provided.

### **Meetings/Classes**

- Carol attended the CIPGA Brown Bag presentation on Autonomous Vehicles.
- Carol attended an Eno Center for Transportation webinar, “Beyond Speculation: Automated Vehicles and Public Policy,” presented by Paul Lewis, Gregory Rogers, and Stanford Turner, coauthors of a report by the same title.
- Laurie attended a *Library Journal* webcast, “How to Drive Success in Research,” presented by Andrew Nagy of EBSCO Information Services.
- Carol attended an SLA Pharmaceutical and Health Technology Division webinar on ontologies presented by Bonnie Snow of InfoDesk.
- Carol attended SirsiDynix webinar, “A Conversation with Sarah Houghton,” aka the “Librarian in Black.”
- Laurie and Carol attended the Transportation Librarians Roundtable webinar, “After the First 100 Days: Transportation Priorities of the New Administration on the policies of the new Administration,” presented by Joung Lee of AASHTO.
- Carol attended the NJDOT visit by David Pamplin of the Turner-Fairbank Highway Research Center and answered questions about the NJDOT Research Library and its activities.
- Carol attended Parts 1 and 2 of the TRB Task Force on Knowledge Management webinars on “The Brass Tacks of Knowledge Management” presented by several people in industry and government.
- Laurie attended the Public Library Association webinar, “Outside the Lines: An Initiative to Help Achieve Your Organizational Goals,” presented by Erica Grossman and Stacie Ledden of Anythink Libraries and Jacqueline Murphy, Colorado State Library.



- Carol attended a CIPGA Initiatives meeting.
- Carol attended an SLA Information Technology Division webinar, “Artificial Intelligence, Search, and Information Professionals,” presented by Laura Gordon-Murnane of Bloomberg BNA.
- Laurie and Carol attended the Transportation Librarians Roundtable on the USDOT National Transportation Library’s new digital repository, the “Repository and Open Science Access Portal” (*ROSA P*), presented by Mary Moulton and Leighton Christiansen of the NTL.
- Carol met with the Webmaster regarding the library’s presence on the intranet and new content.

c: Camille Crichton-Sumners

Amanda Gendeck

Doris Murphy

Maria Baratta

Margaret Nizolek

Cindy Warrick

Stefanie Potapa

May 2017, Monthly Report, page 4 of 4

**New Jersey Department of Transportation**  
**RESEARCH LIBRARY MONTHLY REPORT**  
**June 2017**  
**7510 - Research Library Operations**

**Critical Issues**

- Camille Crichton-Summers, Manager, Bureau of Research, is leaving NJDOT effective July 1 for a position at TRB. Amanda Gendek is Acting Manager.
- David Kuhn, Assistant Commissioner for Capital Investment, Planning & Grant Administration, has filed for a September 1 retirement date. This will leave a vacuum of authority for pushback against Operations, who would like us to move and/or disappear so they can take over our space.
- Discussed access to AASHTO TC3 training (requires state DOT contribution) with HR – they knew nothing about it; however, per contact with the CPM budget person, the procurement process is in motion.
- Sent an IT-16 form, “Request for Network Policy Exemption,” for access to “Educational Videos” which are currently blocked by Websense, to Statewide Planning Director, Andy Swords, for his signature.

**New Initiatives**

- The final report for calendar year 2016 for the project that is the NJDOT Research Library is in progress for submittal to the Research Bureau and ultimately, FHWA-NJ Division.
- Forwarded an email message from ASTM’s new account manager to the Bureau of Materials manager and asked the latter for status, if known, of adding the AASHTO electronic document subscription (hosted by ASTM for AASHTO) to the ASTM subscription that Materials already covers. It would add about \$17,000 to the current \$32,000 cost. This subscription is totally separate from the digital publications that AASHTO has been sending to the Department in that the subscription provides unlimited online access to AASHTO’s most popular publications without DRM login, and not limited to five concurrent users. Dave Lambert had mentioned several months back that this subscription might be included in the FY 2018 budget.
- Accepted Sanborn Insurance Maps microfilm from Environmental Solutions and also their microfilm reader/printer. Our previous microfilm reader/printer, originally from the NJ State Library, is still in storage - it had sustained a broken wheel from one of our prior Library moves, and its instability makes it unsafe, so it’s good to have a replacement. Our *microfiche* reader/printer remains in storage.
- Created a *Collection Maintenance Schedule* (attaching) to provide us with a proposed timeline for weeding the collection to make more room for materials still in boxes, and to shift the collection so space is available where needed. In addition, we need to be ready in case Operations is successful in appropriating part of our space, as they intend to increase their staff.

**Significant Accomplishments – Librarian 1**

- Reminded the Director of Bridge Engineering & Infrastructure Management that FHWA had provided free access to a PCI manual in the past, and so he obtained from FHWA five certificates for free downloads of the *PCI Bridge Design Manual* - one will be for the Research Library.

- Explained to Research staff the differences between a literature review and a literature search; what databases to look in; and how to prepare a Boolean search statement and narrow results for the topic of bridge repair standards for rehabilitation versus replacement.
- Identified and located a section on bearings in a pre-2008 AASHTO *LRFD Bridge Construction Specifications* edition for a deputy attorney general (DAG) [i.e., for a court case] and lent to NJDOT Program Management Office (PMO) staff to scan and send to him.
- Located an NJ Dept. of Environmental Protection publication (semi-published) and its status via NJDEP staff for Environmental Solutions.
- Answered Multimodal Services inquiries regarding viewing VHS tapes, and converting to DVD.
- Sent numerous HR-type articles to NJDOT directors and managers (all divisions and bureaus).
- Sent an *NJ Spotlight* article on a New Jersey State Supreme Court OPRA decision to the Inspector General and Records Management.
- Advised Operations staff on whom to contact at NJDOT to obtain multiple NJ State highway maps.
- Located free online courses for the Professional Engineer (PE) ethics requirement for Local Aid staff.
- Suggested places to look for continuing education credits to maintain a professional tree expert license for Landscape Architecture.
- Explained to Structural & Railroad Engineering staff how to access the AASHTO digital publications.
- Researched and provided purchase information for a reference book for Landscape Architecture.
- Showed Planning staff how to access the full text of an online Smart Growth America report.
- Sent numerous articles on various subjects from several sources to staff in Aeronautics; Bike/Ped; Bridge Engineering; Construction; Materials; Legislative, Administrative & Regulatory Actions; Pavements; Planning; OEMTS; Operations; Toastmasters; Traffic Engineering; and Transportation Data & Safety.
- Sent Virginia reports to multiple units in Capital Program Management (CPM) and Operations.
- Lent several AASHTO publications to Structural Evaluation and Structural & Railroad Engineering.
- Gave library tour to an intern from Project Management, told him about major transportation associations and agencies, publication formats, and TRID.
- Forwarded a Michigan DOT research report on road delineation to Construction, Materials, Operations, Research, Traffic Engineering, and Transportation Data & Safety.
- Identified and located a Kansas hydraulic engineering (HEC) report via the Kansas DOT Librarian for Environmental Solutions, and provided full text.
- Located surveying materials in the collection for Right-of-Way, and borrowed another item via interlibrary loan.
- Identified, located, and borrowed study materials via interlibrary loan and lent to Operations, Structural Design, and Traffic Engineering.
- Identified, located, and lent RSMeans *Heavy Construction Cost Data-2014* to the Program Management Office (PMO).
- Lent *Harnessing MicroStation V8* from the collection to Roadway Design.
- Sent and issue of *EDC News* to staff in CPM, Operations, Planning, and TSM.

- Identified and lent civil service exam study materials to staff in Operations, Outdoor Advertising, Project Management, Structural Design, and Traffic Engineering.
- Identified and lent Fundamentals of Engineering (FE) exam study materials to Structural Evaluation.
- Sent notices of webinars to Aeronautics; Construction; Environmental units; Inspector General's Office; IT; Legislative, Administrative & Regulatory Actions; Materials; Pavements; Planning; professional engineers (PEs); Research; Traffic Engineering; Transportation Data & Safety; and Transportation Systems Management (TSM).

### **Significant Accomplishments – Librarian 3**

- Identified, located, and lent civil service exam study materials to Materials; Operations; Outdoor Advertising; Regional Design, CADD, & Survey Services; and Right-of-Way.
- Identified and lent PE exam study materials to staff in Structural & Railroad Engineering and Structural Evaluation.
- Located a New Jersey library (Burlington County) holding an item requested by Project Management.
- Explained available library services to a new employee from Landscape Architecture & Environmental Solutions, and gave library card.
- Lent the AASHTO *LRFD Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals* 2015 edition to Structural & Railroad Engineering.
- Identified, located, and lent project management books for Environmental Resources.
- Located and lent print 1961 copies of the AASHTO *Specifications for Highway Bridges* and the NJDOT *Standard Specifications for Road and Bridge Construction* to Structural Design.
- Identified, located, and lent an AASHTO materials specification to Structural & Railroad Engineering.
- Identified, located, and lent from our collection the 1990 ANSI *National Electrical Safety Code* to Roadway Design, and offered a newer edition currently out on long-term loan.
- Copy cataloged recently donated materials.
- Continued adding newly acquired materials and reports from the TRB newsletters into the Shared Resources Catalog, uploading the full text where possible.

### **Significant Accomplishments – Both Librarians**

- The 2016 4<sup>th</sup> quarter list of *Selected Recent Acquisitions* was completed and sent to the Webmaster for posting to the NJDOT inter- and intranet sites.
- Verified for TSM staff that the *Blue Book* is no longer published in print, and that no extra print copies of prior editions are available.
- Provided use of library computer to Operations staff.

- Responded to a total of 255 requests, 228 (or 89%) of which were from NJDOT staff. The rest were from the NJ Attorney General's Office; NJ State Police; NJ Dept. of Labor & Workforce Development; Minnesota Dept. of Transportation; Missouri Dept. of Transportation; Oregon Dept. of Transportation; Virginia Dept. of Transportation; California State University-Long Beach; George Washington University; North Carolina State University; Penn State University; Project for Public Spaces; Southern Illinois University; Syracuse University; Temple University; Texas A&M University; Texas Technical University; University at Buffalo (SUNY); University of Maryland-College Park; University of Massachusetts-Lowell; University of Nebraska-Lincoln; University of Wisconsin-Milwaukee; and an out-of-state business. The 177 reference requests and 78 document requests together resulted in provision of 71 loans, 73 documents, 1 printout, and 110 verbal or written replies. A separate spreadsheet is provided.

### **Meetings/Classes**

- Carol attended a Transportation Research Thesaurus (TRT) Subcommittee telephone meeting.
- Carol attended an interactive TKN (Transportation Knowledge Network) telephone meeting with AASHTO's Erin Grady regarding AASHTO's digital publications.
- Laurie and Carol attended the Transportation Librarians Roundtable webinar, "Smart Growth and Complete Streets," presented by Emiko Atherton of Smart Growth America and Lynott of AARP.
- Carol attended an AL Live (ALA) webinar, "Mindfulness for Librarians," presented by a panel featuring Richard Moniz of Johnson & Wales University, Martin House of Central Piedmont Community College, and Kenley Neufeld of Santa Barbara City College.
- Laurie attended the Research Bureau staff meeting.

c: Amanda Gendek  
 Doris Murphy  
 Maria Baratta  
 Margaret Nizolek  
 Cindy Warrick  
 Stefanie Potapa

June 2017, Monthly Report, page 4 of 4

**New Jersey Department of Transportation**  
**RESEARCH LIBRARY MONTHLY REPORT**  
**July 2017**  
**7510 - Research Library Operations**

**Critical Issues**

- The Research Library space and public computer are getting regular use by NJDOT staff from MOB, and also by Right-of-Way and Operations staff from the regions and field offices. Although the space could be quieter by library standards, it apparently gives MOB staff enough seclusion from their usual work environment. For visitors from the regions and field offices, they can work online, check email, etc.
- Sent a follow-up IT-16 form, “Request for Network Policy Exemption,” for access to “Educational Videos” which are blocked by Websense, to Statewide Planning Director, Andy Swords for signature.

**New Initiatives**

- Laurie has sent out a list of extra materials to give away to TRANLIB, the transportation librarians’ discussion list. We would rather give the items to other libraries than to trash them.
- Submitted to the State Transportation Innovation Council (STIC) a suggestion for NJ Transit for an enhancement to train doors that would bridge the gap between trains and platforms when they are at the same level.
- Got donations of books from two different bureaus in Right-of-Way & Access Management as they pack up their units for a carpet replacement. We will consolidate these into the collection or give away if not needed. Also got some donations from Capital Investment Planning & Development.
- We will purchase the new edition of the *Steel Construction Manual* by the American Institute of Steel Construction (AISC) when FY 2018 funds are released.
- Volunteered to assist with the Bureau of Research staff retreat to be held this fall.

**Significant Accomplishments**

- Compiled a list of transportation library-related entities (attached) for new ETKN members and also submitted to the newly formed AASHTO Research Advisory Committee (RAC) Coordination & Collaboration Task Force (CCTF) Working Group, a successor to the AASHTO RAC TKN Task Force.
- Contacted NJ Transit for a copy of the Draft Environmental Impact Statement (DEIS) of the Hudson Rail Tunnel Project for the Research Library and got on their distribution list.
- Referred the Inspector General’s Office to Cultural Resources for an Open Public Records Act (OPRA) request (after referral to us from Major Access Permits).
- Provided status of the not-yet-published update to the *Transportation Asset Management Guide* and sent links to the recently-begun project and a conference proceeding to Planning.
- Forwarded a Michigan report on design enhancements to increase safety for older drivers to Planning, Research, Roadway Design, Traffic Engineering, and Transportation Data & Safety.
- Forwarded the latest Victoria Transport Policy Institute e-newsletter with links to the fulltext articles to Planners.

- Set up our videocassette player for use by Multimodal Services staff to review 20 of their VHS tapes to determine retention.
- Sent notice of an AASHTO publication and download instructions to Planning and Environmental staff.
- Forwarded the latest issue of *Access Magazine* to Planners, Traffic Engineering, and Traffic Operations.
- Provided a link to an NCHRP report to Bike/Ped.
- Sent links to a video and free online courses regarding engineering ethics (for PE credits) to CPM staff.
- Showed Construction staff how to access digital publications from AASHTO and FHWA, and sent a link to the National Highway System.
- Sent a list of right-of-way materials held in the Research Library to Right-of-Way.
- Identified and located an audiobook and databases on the NJ State Library website for Operations staff for improvement of English language skills.
- Identified, located, and lent TOEFL study materials for Geotechnical Engineering and Structural & Railroad Engineering staff.
- Identified, located, and lent that “Roadside thing with green cover” (*AASHTO Roadside Design Guide*) to Structural & Railroad Engineering.
- Identified, located and lent *Minimum Design Loads for Buildings and Other Structures* (ASCE 7-10) to Structural & Railroad Engineering.
- Forwarded a Pennsylvania report on bridge waterproofing to staff in CPM and Operations.
- Identified, located, and lent “ACI structural concrete code” (ACI 318: *Building Code Requirements for Structural Concrete*) to Structural Evaluation.
- Identified, located, and lent *AASHTO Standard Specifications for Highway Bridges, 2002* to Structural Evaluation.
- Lent the *PCI Bridge Design Manual* to Structural Evaluation.
- Lent the *PCI Design Handbook* to Structural Design.
- Identified, located, and lent civil service exam study materials to staff in Environmental Resources, Highway & Traffic Design, Materials, Planning, and Right-of-Way.
- Identified, located, and lent PE exam study materials to staff in Structural & Railroad Engineering and Structural Design.
- Sent notices of webinars to Drainage staff in CPM, Operations, and Planning; Environmental (Resources and Solutions); Operations; Planners (professional); Planning (units); professional engineers (PEs); and Research.
- Sent numerous articles from various publications to staff in Aeronautics; Bridge Engineering; Budget; Capital Investment Planning; Construction; Environmental units; Freight; Maritime; OEMTS; Operations; Planning; and Transportation Systems Management.
- Sent multiple units in CPM, Operations, Planning, and TSM a *Roads & Bridges* article re: Texas DOT using infrared technology to alert truck drivers if their truck is too tall for an underpass, in order to avoid crashes. The next day, a truck hit an overpass in South Jersey.

- So far, from the giveaway list sent to TRANLIB, Laurie has sent out 63 items to the libraries at AASHTO, FHWA, the Portland Cement Association, and the DOT libraries in Illinois, Kansas, Montana, Oklahoma, and Washington State.
- Responded to a total of 118 requests, 108 (or 92%) of which were from NJDOT staff. The rest were from Camden County Library; a New Jersey business; a New Jersey resident; Penn State University; Texas Tech University; University at Buffalo (SUNY); University of Illinois-Chicago; and University of Massachusetts-Lowell. The 93 reference requests and 25 document requests together resulted in provision of 26 loans, 31 documents, 3 photocopies, 1 printout, and 57 verbal or written replies. A separate spreadsheet is provided.

### **Meetings/Classes**

- Carol attended an ALA webinar, “Driving Decisions with Data,” presented by Jason Kusma, Toledo Lucas County (OH) Public Library and Liz Bondie of Gale (webinar sponsor).
- Carol attended the online American Library Association (ALA) Tech Wrap-up, a summary of technical developments featured at the ALA Annual Conference. Presenters included Marshall Breeding, consultant, Tabatha Farney, University of Colorado–Colorado Springs, and Mirela Roncevic, editor and author.
- Carol attended a National Complete Streets Coalition webinar, “Greening the Streetscape: Complete Streets & Stormwater Management,” presented by Emiko Atherton of Smart Growth America, Aaron Villere of the National Association of City Transportation Officials (NACTO), Jessica Noon of the Philadelphia Water Department, and Sarah Anderson, City of Denver.
- Laurie and Carol attended the Bureau of Research staff meeting. Carol asked project managers to remind universities to submit their final reports with sturdy shelf-worthy covers, e.g., cardstock or plastic.
- Laurie and Carol attended the Transportation Librarians’ Roundtable webinar, “Small Changes with Big Impacts for Solo Librarians,” presented by Gabriele Hysong of the Rolls-Royce Library & Knowledge Services Center in Indianapolis.
- Carol attended the Bureau of Research brown bag *Tech Talk!* session, “More than a Pretty Face(ade): Meeting Safety & Historic Requirements in Concrete Barriers,” presented by Hani Nassif of Rutgers University.
- Carol attended an ALA webinar, “Working with Friends Groups: The Good, the Great, and the Unfriendly,” presented by Sally Gardner Reed of United for Libraries, a division of ALA.
- Carol attended a Georgia Library Association/Georgia Public Library Service webinar, “Effective and Valuable Outreach: Aligning Activities to Goal-Drive Assessment,” presented by Kristen Mastel and Shannon Farrell of the University of Minnesota.
- Carol attended the CIPGA brown bag meeting on the “HPMS-Highway Performance Monitoring System: Assessing New Jersey’s Highway System Performance” presented by Paul Thomas of the NJDOT Bureau of Transportation Data & Safety.
- Carol attended the online/telephone meeting of the newly formed AASHTO Research Advisory Committee (RAC) Coordination & Collaboration Task Force (CCTF) Working Group, a successor to the AASHTO RAC TKN Task Force.
- Carol attended a Transportation Research Thesaurus (TRT) Subcommittee telephone meeting.



- Carol attended an ETKN (Eastern Transportation Knowledge Network) telephone meeting and, as promised during the meeting, and mentioned above, compiled a cheat sheet of transportation library-related entities (attached) for new members and as a reminder for anyone else.
- c: Camille Crichton-Sumners  
Amanda Gendek  
Doris Murphy  
Maria Baratta  
Margaret Nizolek  
Cindy Warrick  
Stefanie Potapa

July 2017, Monthly Report, page 4 of 4

**New Jersey Department of Transportation**  
**RESEARCH LIBRARY MONTHLY REPORT**

**August 2017**

**7510 - Research Library Operations**

**Critical Issues**

- According to AASHTO's list of recently released publications, there was one print copy of AASHTO/AWS D1.5M/D1.5:2015 7<sup>th</sup> edition (American Welding Society *Bridge Welding Code* for Steel) sent to each state DOT in 2016. If it came to NJDOT, it is unclear who has it. AASHTO's publication distribution methods have been in flux since some publications have gone digital, and the inconsistencies in format, quantity, and recipient make them difficult to track. The complexity has led to numerous telephone meetings between the transportation librarians across the nation and the AASHTO publications director, and has resulted in compilation of a [ten-page FAQ](#), now also available as a [LibGuide](#), both by Renée McHenry of the Missouri DOT.
- Materials has actually ordered several copies of the new *Bridge Welding Code*, including one for the Research Library.
- With the retirement of David Kuhn, Assistant Commissioner of Capital Investment Planning & Grant Administration (CIPGA), access to the AASHTO e-publication, *AASHTO Guide for Enterprise Risk Management*, continues to be through his account and not the library's, due to AASHTO's e-publication policy of one-time "purchase."
- Sent yet another email to EBSCO for missing *Engineering News-Record* and *ITE Journal* issues.
- Per a conversation with Capital Program Management (CPM) Assistant Commissioner Dave Lambert several months ago, online access to popular AASHTO publications will finally be made available via the ASTM subscription currently funded by the Bureau of Materials. This was to have begun with FY 2018, so after an inquiry to Paul Allen, Business Manager in the Assistant Commissioner's Office, the acquisition process might finally be moving forward.

**New Initiatives**

- Coordinating with Administration and CPM to get access to AASHTO online training for the Dept. via AASHTO's TC3 program, which requires funding beyond the State DOT annual dues.
- Once access to the TC3 training comes through, and the AASHTO online publications via ASTM, we will market both platforms heavily.
- We are compiling a list of new materials to purchase once the OK arrives from the NJ State Library to recommence ordering for the 2018 fiscal year.
- Inspired by the District of Columbia DOT (DDOT)'s new online photo archive, [DDOT Back In Time](#), staff from the Research Library, Commissioner's Office, Communications, and Cultural Resources are hoping to create something using the photos here at NJDOT (as time permits).

**Significant Accomplishments**

- Got proposal from ASTM for an additional \$17,000 to add electronic access to AASHTO publications via the ASTM subscription (Materials already pays @\$32,000 for electronic access to ASTM standards) and submitted to CPM Business Manager for payment from their budget.
- Explained the existence of multiple TRID records for an NJDOT project to Research.

- Edited “thumbnail” for Research Library’s SPR listing as Project 7510.
- Searched for Warren County mobility studies for Planning.
- Forwarded the current *Complete Streets* e-newsletter to Planning and Transportation Data & Safety.
- Sent link to a *Mobility Lab* article, report, and Governors Highway Safety Association webinar on bicyclist safety to Planners, Bike/Ped, Traffic, Transportation Data & Safety, and TSM.
- Forwarded *NJ Spotlight* Commentary, “A New Business Model for NJDOT,” by a former Department employee, Gary Toth, to Planning, Local Aid, and Research.
- Sent notice of a University of North Carolina Highway Safety Research Center free online course on road safety fundamentals to staff in Planning, CPM, and TSM.
- Sent link to an ASCE paper on construction site safety to Employee Safety, Construction, and Operations.
- Showed links and search methods for civil service study materials via the National Learning Corp. and NJ State Library to Structural Evaluation.
- Forwarded an *American City & County* white paper on text message policy and retention to the Inspector General’s Office.
- Sent a *Government Technology* article on workforce to Department Directors and Managers.
- Supplied recommended reading lists for Supervisor and Manager to Right-of-Way and Structural Evaluation.
- Forwarded a video on green stormwater management in Berlin to Landscape Architecture, Drainage staff, Planners, and others.
- Sent link to an NCHRP Synthesis by the University of New Hampshire on low asphalt binder to Materials and Pavement Design.
- Recommended, located and lent “reading material” (managerial) for Roadway Design.
- Downloaded the *AASHTO LRFD Bridge Design Specifications* 8<sup>th</sup> edition and the “Materials Standards” for use by the Department.
- Showed Structural & Railroad Engineering staff how to open and download the above *Specifications*.
- Ascertained a source (RSMMeans *Heavy Construction Cost Data*) from an inquiry by subject, cost and estimation for labor and equipment; located item, and lent to Structural Design.
- Identified, located, and provided Operations staff with Department historical materials.
- Located Department staff having a list of Delaware & Raritan Canal bridges for Operations.
- Showed Operations staff how to access AASHTO e-publications via the Research Library account.
- Located an NJDOT employee in Region North with a 1976 NJ manual on optically programmed traffic signals for Operations (same Division).
- Identified, located, and lent historical print editions of the NJDOT *Standard Specifications for Road and Bridge Construction* for Structural & Railroad Engineering staff, and showed where to find digital superseded specifications on the NJDOT intranet.
- Located and lent the 2012 AAASHTO *Roadside Design Guide* and 2015 errata to Structural & Railroad Engineering.
- Identified, located, and lent statistics materials to Roadway Design.

- Identified and located an NJ State Library e-book, *Microsoft 2016 at Work for Dummies*, and provided library cards for Materials staff.
- Identified, located, and lent civil service exam study materials to staff in Civil Rights, Materials, and Operations.
- Identified, located, and lent PE exam study materials to staff in Structural Design and Structural Evaluation.
- Provided list of FE exam study materials held in the Library to Pavement Design.
- Sent notices of webinars to Capital Investment Planning; Construction; Drainage staff in CPM, Operations, and Planning; Geotechnical Engineering; Government & Community Relations; IT; Materials; Operations; Pavement Design; Planners (professional); Planning (units); professional engineers (PEs); Project Management; and Research.
- Sent numerous articles from various publications to staff in Aeronautics; Bike/Ped; Capital Program Management; Landscape Architecture; NJDOT Toastmasters; Operations; Planning; Traffic; Transportation Data & Safety; and Transportation Systems Management.
- Responded to a total of 212 requests, 185 (or 87%) of which were from NJDOT staff. The rest were from the NJ Dept. of Environmental Protection; the NJ State Library; Colorado DOT; Montana DOT; Bismarck (ND) Veterans Memorial Public Library; Clinton (AZ) Public Library; City College of New York; Garfield County (CO) Library; Iowa State University; Louisiana State University; North Carolina State University; Syracuse University; University at Buffalo (SUNY); University of Maryland-College Park; University of Wisconsin-Milwaukee; and West Virginia. The 149 reference requests and 63 document requests together resulted in provision of 50 loans, 58 documents, 1 photocopy, 3 printouts, and 100 verbal or written replies. A separate spreadsheet is provided.

### **Meetings/Classes**

- Carol attended the American Library Association (ALA) AL Live webinar, “Revamping Your Space – Creating a Modern Media Center,” presented by Doug Mader and Chad Lewis, Sycamore (OH) High School; and Angela Webb, School Outfitters and webinar sponsor.
- Carol attended the NJDOT Women in Transportation (WIT) event, “Institutional Knowledge – Where is it going? How can we capture it? What happens when it’s lost?” presented by an NJDOT panel: Andrew Tunnard, Operations; David Kuhn, CIPGA; and Susan Catlett, TSM; with Laine Rankin as facilitator.
- Carol attended a telephone meeting of the TRB Knowledge Management Task Force (KM TF).
- Carol attended the online/telephone meeting of the AASHTO Research Advisory Committee (RAC) Coordination & Collaboration Task Force (CCTF) Working Group.
- Carol attended an ENR webinar, “The Smarts on Knowledge Transfer - How Firms Build Institutional Memory,” presented by a panel: Andrew Peña, El Paso Community College; John Wanberg, Stantec; and Darryl Wing of Fluor, Ltd.
- Laurie and Carol attended the Bureau of Research staff meeting.
- Laurie and Carol attended the Transportation Librarians’ Roundtable, an open-discussion forum providing updates from transportation-related institutions and organizations.
- Carol attended a SirsiDynix webinar, “Intelligent Outcomes: Learning from Both Success and Failure,” presented by Dustin Fife, Western State Colorado University.
- Carol attended the SLA-NY Chapter “Advanced Googling and Internet Archiving” webinar presented by R. Martin Witt, Columbia Law School.

- Laurie and Carol attended the TRB webinar, “Learning about and Using the Research in Progress (RiP) Database,” presented by Janet Daly, TRB.
- Carol attended the Eno Center “Asset Recycling Webinar” presented by Joe Hockey, Australian Ambassador to the U.S.; Jennifer Aument, North American Transurban; and Robert Puentes, Eno.
- Laurie and Carol attended a *Library Journal* webinar, “Evidence-Based Acquisition: Leveraging Both Usage Data and Librarian Expertise,” presented by Valerie Yaw, JSTOR; Brian C. Gray, Case Western Reserve University; and Amy McColl, Swarthmore College.
- Carol attended an NJDOT Toastmasters officers meeting.
- Carol attended a Transportation Research Thesaurus (TRT) Subcommittee telephone meeting.

c: Amanda Gendek  
Doris Murphy  
Maria Baratta  
Margaret Nizolek  
Cindy Warrick  
Stefanie Potapa

August 2017, Monthly Report, page 4 of 4

**New Jersey Department of Transportation**  
**RESEARCH LIBRARY MONTHLY REPORT**  
**September 2017**  
**7510 - Research Library Operations**

**Critical Issues**

- Access to AASHTO digital publications is now possible on the ASTM Compass portal via the intranet thanks to the add-on subscription funded by CPM. While the portal seemed to work pretty well at first, it appears that the functionality for the AASHTO publications leaves a lot to be desired - some publications do not download, and others are not even findable. More on this next month!
- The Transportation Research Board (TRB) has stopped sending print copies of the *Transportation Research Record*, TRB's irregular "journal" containing papers presented at the Annual Meeting. The discontinuation of the print format is helpful in that we're running out of space in that portion of the shelves; however, it makes tracking and reporting their existence for the quarterly acquisitions list a bit more difficult.
- We received five issues of *Engineering News-Record*, although not yet any missing *ITE Journal* issues. Sent another email to EBSCO.
- We've been having some connection issues with Horizon, and have had to enlist the simultaneous assistance of IT staff at both the State Library and NJDOT. Apparently, Horizon requires a special version of Citrix which needed to be reinstalled. Even after that, connection is temperamental.

**New Initiatives**

- Requested and received 140 NJDOT Research Library brochures from the NJ State Library (thank you, Cindy Warrick!) for distribution at the upcoming NJDOT Research Showcase, since we cannot print in color here at NJDOT, by order of the management and IT.
- Requested and received NJ State Library pens from NJSL Marketing (thank you, Gary Cooper!) also for distribution at the Research Showcase.
- Emailed Facilities to return our two microform (fiche and film) reader/printers from storage, as the microfilm reader/printer we got from Right-of-Way failed to turn on when needed.
- Discussing with our ASTM Marketing Representative the possibility of him presenting a webinar for NJDOT staff to become aware of and acquainted with the AASHTO digital collection on the ASTM Compass portal.
- We have requested purchase of an *Engineering Ethics* book for use throughout the Department.
- Sent a proposal to the TRB Library and Information Science in Transportation (LIST) Committee for a poster session regarding AASHTO digital publications to be presented at the upcoming TRB Annual Meeting in January.

**Significant Accomplishments**

- The AASHTO subscription on the ASTM Compass portal has gone live, with the limitations noted above. Email notification was sent to all NJDOT directors and managers and will hopefully filter down.
- Forwarded the current issue of *TR News* featuring "Moving Research into Practice" to Research.

- Sent a possible research topic and potential NJDOT customers as suggested by a DOT retiree/consultant to Research.
- Sent the latest issue of Texas Transportation Institute e-newsletter to Research.
- Verified for Bike/Ped that an AASHTO publication has not been updated since 2004, and that an update is due out in mid-2018.
- Located and lent a print AASHTO publication for Bike/Ped.
- Forwarded an AASHTO report on a State DOT Social Media Survey to Communications and IT.
- Identified, located, and provided a conference paper that actually ended up to be a section of an NJDOT report for Structural & Railroad Engineering.
- Located a working microfilm reader/printer for use by CPM and HR staff.
- Sent link to an ASCE paper on bridge structural deficiency ratios to Structural (CPM) and Maintenance (Operations) staff.
- Forwarded a link to the ASCE Urban Flooding Collection to “Drainage people” in various units in CPM, Operations, and Planning (Environmental).
- Sent link to a WHYY newspiece on concrete that melts snow and ice to Materials, Operations, and Environmental Solutions.
- Sent notice of a new AASHTO publication to Environmental staff.
- Recommended NJSL databases for English language practice to Structural Design.
- For Project Management staff, recommended sources for data for NJ Local population, employment, and travel projections; located the *Highway Safety Manual*; added the requestor to the PE email list for notification of webinars; found and lent a calculus textbook; and gave a tour of the library.
- Identified and accessed an electronic version of the *AASHTO Drainage Manual* for Roadway Design; demonstrated the ASTM/AASHTO portal and AASHTO publication access via the AASHTO Bookstore.
- Provided publication and sales information for the *ITE Trip Generation* 10<sup>th</sup> edition to Major Access and financial staff.
- Explained access to study materials for “supervisor” for Access Design and lent items.
- Identified and located materials for historic research on a NJ municipality for Landscape Architecture.
- Recommended ways to deal with external requests for information to Pavement Management.
- Responded to questions regarding civil service exam materials and library services by IT staff.
- Borrowed standards and other materials via interlibrary loan and lent for use by Structural Design for the upcoming PE exam.
- Borrowed *Construction Law for Design Professionals . . .* via interlibrary loan for Roadway Design.
- Borrowed *Estimating in Building Construction* 8<sup>th</sup> edition via interlibrary loan for Geotechnical Engineering.
- Responded to OCLC Lending requests.
- Identified and lent PE study materials for Structural & Railroad Engineering.
- Sent notices of webinars to Bike/Ped Unit; Capital Investment Planning; Construction; Directors and Managers; Employee Safety; Inspector General; Local Aid; Materials; Operations; Planning; professional engineers (PEs); and Research.

- Identified, located, and lent civil service exam study materials to staff in Access Design; Right-of-Way; Operations; and Transportation Systems Management.
- Copy cataloged new materials into the NJ State Library's catalog (public access).
- Added new materials into the Shared Resources Catalog (NJDOT access).
- Shelved newly acquired materials.
- Updated our listing in the *American Library Directory*.
- Provided giveaways – pens from the NJ State Library, NJ State highway maps, and ETKN brochures – for Maintenance staff to give out at a regional conference, the Northeast Bridge Preservation Partnership Conference, held in New Brunswick. Also referred the “host” to NJDOT units from which he could borrow easels for the event.
- Sent completed and edited *Selected Recent Acquisitions* list for the 2017 first quarter to the Webmaster for posting on the intranet and internet.
- Responded to a total of 154 requests, 115 (or 75%) of which were from NJDOT staff. The rest were from the NJ Dept. of Environmental Protection; the NJ State Library; NJIT; Rutgers University; an NJ business; Oregon DOT; Sound Transit; City College of New York; College of Wooster (OH); Florida Institute of Technology; George Washington University; James Madison University (VA); Louisiana State University; Northeastern University; New York State Dept. of Conservation; Penn State University; Salve Regina University (RI); San Francisco Municipal Transportation Agency; Syracuse University; Temple University; Texas A&M University; University at Buffalo (SUNY); University of Arizona; University of Arkansas; University of Kansas; University of Maryland-College Park; West Virginia University; and an out-of-state resident. The 121 reference requests and 33 document requests together resulted in provision of 23 loans, 28 documents, 3 printouts, and 100 verbal or written replies. A separate spreadsheet is provided.

### Meetings/Classes

- Laurie listened to the *Library Journal* on-demand webcast, “Navigating Research: How Academic Users Understand, Discover, and Utilize Reference Resources,” presented by Simon Pawley of webcast sponsor Oxford University Press and Dave Tyckoson of the Henry Madden Library in Fresno, CA.
- Carol attended a telephone meeting of the Transportation Research Thesaurus (TRT) Subcommittee (of the TRB LIST Committee).
- Carol attended a SpringShare webinar -SpringShare is the producer of the popular LibGuide software.
- Laurie and Carol attended the Bureau of Research staff meeting.
- Laurie and Carol attended the Transportation Librarians' Roundtable on the Transportation Research Thesaurus presented by Sandy Tucker of Texas A&M University and Janet Daly of TRB.
- Carol attended an Association of New Jersey Environmental Commissions (ANJEC) webinar on electric vehicles presented by a panel comprising staff from NJCar, the city of Secaucus, and ANJEC.
- Carol attended an NJDOT Toastmasters officers meeting.
- Laurie listened to a *Library Journal* on-demand webcast, “Smoothing the Path of the Research Journey: Designing for User Experience in Academic Libraries,” presented by panelists Kat Palmer of webcast sponsor Emerald Publishing, Iris Bierlin of New York University, and Rachel Vacek of the University of Michigan.
- Carol attended an ETKN telephone meeting.



- Carol attended a NJ State Library staff meeting.
- Carol attended a Contoural webinar on records management presented by Tom Mighell of Contoural.

c: Amanda Gendek  
Doris Murphy  
Maria Baratta  
Margaret Nizolek  
Cindy Warrick  
Stefanie Potapa

September 2017, Monthly Report, page 4 of 4

**New Jersey Department of Transportation**  
**RESEARCH LIBRARY MONTHLY REPORT**  
**October 2017**  
**7510 - Research Library Operations**

**Critical Issues**

- Although there is now access to AASHTO digital publications on the ASTM Compass portal via the intranet, it turns out that the AASHTO “Transportation Package” for state DOTs includes only 11 titles out of all the AASHTO publications. The spreadsheet sent by the ASTM marketing representative with the full complement of titles was sent in error, and only applies to the subscription for the nation of Qatar. After ASTM’s inadvertent transmission of the full spreadsheet and my forwarding it to all NJDOT directors and managers for notification to their staffs, I am trying to make the case to ASTM and AASHTO that they should supply us (and other subscribing state DOTs) with the whole range of digital publications via the portal since, as AASHTO sponsors, we have free access via the downloads that AASHTO sends (very cumbersome) and, since we’re paying \$17,000 extra for the convenience of access via the portal, it should include all the titles we get for free anyway, as we are paying purely for the convenience of access method. The jury is out.
- Based on referral from Facilities, Aeronautics staff inquired about relocating 6-8 bookcases (54-72 linear feet) of their materials to the Research Library, as they need to make room for another unit. It is unclear why Facilities would think that we have the space to store these materials – we do not!
- We received three issues of *Engineering News-Record*, and four *ITE Journal* issues. Some are still missing, and have been claimed via email to EBSCO.
- Per a conversation with NJDOT IT staff, Websense is “dying,” and is causing connection problems for internet sites. Everyone in the Dept. is plagued by constant Windows security dialog boxes requiring login. This will eventually go away, per IT, when OIT Websense takes over.

**New Initiatives**

- Will send pertinent new materials as received to the newly formed Autonomous Vehicle Working Group.
- The Dept. is in the process of subscribing to [AASHTO TC3 training](#) – we will ensure that there is a coordinated effort to alert NJDOT staff to the availability of this new resource.
- With three other transportation librarians (Illinois, Missouri, and Wisconsin) will work on a poster aimed to the attention of AASHTO committee members to remind them not to download AASHTO digital publications. It will be presented at the upcoming TRB Annual Meeting in January along with others from the TRB Library and Information Science in Transportation (LIST) Committee.

**Significant Accomplishments**

- Downloaded three new AASHTO digital publications, and disseminated information and access methods to appropriate units.
- In conversation with Operations staff regarding his anti-graffiti project, informed him of past Research project on the topic and supplied fulltext of report; did literature search in TRID; and edited his report.
- Forwarded a Virginia report on lighting for nighttime work zones to Traffic Engineering, Construction, Operations, Transportation Data & Safety, and Employee Safety.
- Searched for materials on circles versus roundabouts and lent to Transportation Data & Safety. (Laurie)

- Advised Research Bureau on granting permission to reprint NJDOT materials in an NCHRP project report.
- Located a *Journal of Infrastructure Systems* article for Freight Services and obtained via interlibrary loan. (Laurie)
- Borrowed books by famous Hispanic authors for Hispanic Heritage Committee to display for their celebration day during Hispanic Heritage Month.
- Forwarded a newsletter from the State Smart Transportation Initiative (SSTI) to Planning.
- Supplied access instructions for an AASHTO digital publication to Structural & Railroad Engineering.
- Provided a staff person from Right-of-Way with a listing of computer classes near her local public library.
- Advised Project Management staff on access to TRB materials and webinar attendance from home.
- Provided library card, brochure, and tour to new Planning staff.
- Issued library cards to staff in Planning, Pavement & Drainage Management, and Traffic Operations. (Laurie)
- Identified two items for Planning. (Laurie)
- Provided link to digital copy of AASHTO *Maintenance Manual* . . . 4<sup>th</sup> edition to Operations.
- Forwarded an *Architect Magazine* article on net-zero building to Facilities (Support Services).
- Identified from a partial citation and located NJDOT standard specifications and showed new Government & Community Relations staff how to access via the NJDOT website.
- Sent a *PhysOrg* article on a new database of concrete to Materials.
- Sent link to a TRV video series on Highway Worker Safety to Transportation Data & Safety, Employee Safety, Construction, and Operations.
- Located and borrowed via interlibrary loan two items for Planning.
- Identified, located, and lent NJDOT EEO and Workforce Development Plans and Affirmative Action Plans for several years to Research. (Laurie)
- Verified with Civil Rights the status of updated EEO and Workforce Development Plan for Research.
- Forwarded the latest issue of *Traffic Technology International* to Planners, Traffic Engineering, and TSM.
- Located a TRB report for Freight Services and provided link to fulltext.
- Sent links to PIARC online road asset management manual and other materials to Statewide Planning.
- Forwarded Texas reports on oversize/overweight vehicles to Freight.
- Verified for Structural Design that a “textbook” is available only online.
- Sent a *San Francisco Chronicle* article on liability for self-driving car crashes to Autonomous Vehicle Working Group and Legislative, Administrative, & Regulatory Actions.
- Sent a *GovTech Today* article on bike-sharing to the Bike/Ped Group.
- Identified, located, and lent AASHTO *LRFD Bridge Design Specifications* to Structural & Railroad Engineering and Support Service. (Laurie)
- Identified, located, and lent civil service exam study materials to staff in Administration, Auditing, Construction, Materials, Operations, Project Management, and Structural Design. (Laurie and Carol)

- Searched for Certified Project Manager study materials for Project Management and provided a list of books. (Laurie)
- Provided a list of PE study materials in the Research Library to Structural Evaluation.
- Identified, located and lent PE/FE exam study materials for Project Management and provided a list of books. (Laurie)
- Lent *Highway Safety Manual* (4 vols.) and the *Roadside Design Guide* to Structural Evaluation for use at the PE exam. (Laurie)
- Identified, located, and lent supervisor material for Operations.
- Forwarded information on an Eno webinar re: a Federal Automated Vehicle Policy update to Planning, Government & Community Relations, Traffic Engineering, and Traffic Operations.
- Other webinar notifications were sent to Aeronautics, PEs, Roadway Design, Transportation Data & Safety, Planning, Transportation Systems Management, and Traffic Engineering.
- Responded to OCLC Lending requests. (Laurie and Carol)
- Copy cataloged new materials into the NJ State Library's catalog (public access). (Laurie)
- Added new materials into the Shared Resources Catalog (NJDOT access). (Laurie and Carol)
- Responded to a total of 190 requests, 163 (or 86%) of which were from NJDOT staff. The rest were from the NJ State Library; NJ State Police; an NJ resident; US EPA (OH); NY MTA; Minnesota DOT; Broward County (FL); California State Polytechnic University; Catholic University; City College of New York; Louisiana State University; Missouri Western State University; Multnomah County (OR); North Carolina State University; Oakton Community College (OH); Penn State University; Ridgefield Public Library (CT); Texas A&M University; University at Buffalo (SUNY); and University of Arizona. The 125 reference requests and 65 document requests together resulted in provision of 50 loans, 39 documents, 5 printouts, and 96 verbal or written replies. A separate spreadsheet is provided.

### **Meetings/Classes**

- Laurie attended the 19<sup>th</sup> Annual Research Showcase held at Mercer County College and brought promotional materials and extra reports to give away..
- Laurie and Carol each attended separate sessions at NJDOT of the Active Shooter training.
- Laurie and Carol attended the Transportation Librarians' Roundtable 10<sup>th</sup> Anniversary with a presentation by cofounder Amanda Wilson, previously of the National Transportation Library (at USDOT) and now at the National Library of Medicine (NLM).
- Carol attended a SpringShare webinar series with presentations by Ken Winter of the Virginia DOT, Sara Marks of UMass-Lowell, Lisa Raymond and Heather Westerlund of Walden University, Brett Nafziger and Adrienne Warner of the University of New Mexico, and Shenise McGhee, University of Arkansas-Pine Bluff regarding the use of LibGuides and related SpringShare products.

c: Amanda Gendek  
 Doris Murphy  
 Maria Baratta  
 Margaret Nizolek  
 Cindy Warrick  
 Stefanie Potapa

**New Jersey Department of Transportation**  
**RESEARCH LIBRARY MONTHLY REPORT**  
**November 2017**  
**7510 - Research Library Operations**

**Critical Issues**

- Have not heard anything further from ASTM or AASHTO regarding the limited subscription they're providing for online access to AASHTO titles through the ASTM Compass portal, and will perhaps take it up with them at the TRB Annual Meeting in January. If they are going to offer just a few titles, it would be good for them to provide other options for more coverage.
- Per Research, AASHTO's TC3 online training will soon be available to NJDOT. When it is, we will need to market it to staff. The Dept. needs a better way of making staff aware of its own resources.

**New Initiatives**

- Coordinating with Research Bureau on forwarding NCHRP publications that they receive via the AASHTO Research Advisory Committee (RAC). They will forward to us, and we will distribute to appropriate units.
- Received 17 large pictures, most framed, from NJDOT staff in Region South. Sent suggestion to various units including the Commissioner's Office, Communications, and Cultural Resources that we inventory the pictures here and others around the Dept., and enter the data about them into a database. Proposed about a dozen fields, and got a suggestion from Cultural Resources to add pictures (of the pictures) to each record.
- At request of Traffic Operations, will look for info on technologies to prevent truck-bridge overpass crashes.

**Significant Accomplishments**

- Downloaded three new AASHTO digital publications from the AASHTO Bookstore, and disseminated information and access methods to appropriate units. Also distributed 5 print copies of the *AASHTO LRFD Bridge Design Specifications*, 8<sup>th</sup> edition.
- Provided info on NJDOT Research Library and NJ State Library resources and services, civil service exam study materials, and new library cards to new IT staff.
- Located items in collection containing information on Gantt charts for Research.
- Sent link to the Northwestern University LibGuide, [\*Literature Searches and Literature Reviews for Transportation Research Projects: Getting Started\*](#), to Research.
- Located and lent EEO Workforce Development Plans for various years to Research. (Laurie)
- Located and lent three Transit Cooperative Research (TCRP) reports to Research. (Laurie)
- Sent list of resources to Bike/Ped for historical info on Route 18 and the multi-use path next to it. (Laurie)
- Forwarded the current UNC Highway Safety Research Center (HSRC) e-newsletter to Bike/Ped, Transportation Data & Safety, and Research.
- Sent links to two NCHRP reports on travel forecasting to Planning, Multimodal Services, and Traffic Engineering.

- Forwarded an NCHRP report on highway assets to staff in Planning, CPM, Operations, and the CFO.
- Sent an article and a report on red-light running to Transportation Data & Safety, Traffic Engineering, Traffic Operations, and Planning.
- Obtained an article from *Research in Transportation Business & Management* via interlibrary loan for Planning.
- Sent notice of an NJ Spotlight conference on electric vehicles to Planning and Transportation Systems Management.
- Forwarded links to Texas reports on nighttime construction to Construction, Operations, Planning, Environmental units, and Research.
- Sent *Business Insider* article and City Parks Alliance videos to Planning, Environmental units, Landscape Architecture, Pavements, and Operations.
- Identified, located, and lent pedestrian and urban design materials for Landscape Architecture & Environmental Solutions. (Laurie)
- Provided a library card and recalled an item currently out on interlibrary loan for use by Landscape Architecture. (Laurie)
- Identified, located, and lent materials on scheduling and project management for Operations. (Laurie)
- Sent notice of the November Transportation Librarians Roundtable on the Washington, DC (District) Dept. of Transportation's online historical photo archive, [DDOT Back in Time](#) to the Commissioner's Office, Communications, and Cultural Resources to encourage a similar project here at NJDOT.
- Sent notices of webinars to NJDOT Directors, Managers, the Program Management Office, Planning, Right-of-Way, Project Management, Construction, and Operations.
- Sent *The Government Social Media Survival Guide* (digital) to Communications and Traffic Operations, the only two units in the Dept. that use social media.
- Identified, located, and lent supervisory and management test battery materials to Operations. (Laurie)
- Forwarded a Montana DOT report, *Rockfall Hazard Process Assessment*, to Bridge Engineering (including Geotechnical Engineering).
- Provided information on an AASHTO product to Roadway Design, and advised not worth purchasing by Library.
- Forwarded current issue of *Asphalt Magazine* to Materials, Pavements, and Operations.
- Provided Traffic Engineering staff with locations of print copies of AASHTO *Guide for the Development of Bicycle Facilities*, 4<sup>th</sup> edition, including three copies in their own Division.
- Sent links to NJ State Library databases for languages to Structural Design.
- Sent an FHWA report, *Riprap Rock Stability at Bridge Piers and Abutments*, to Geotechnical Engineering, Bridge Evaluation, and Maintenance.
- Sent an NCHRP Report on pavement preservation treatments to Pavements, Materials, Construction, and Operations (Maintenance).
- Forwarded links to Kansas research reports to various staff in CPM and Operations.
- Obtained an *Engineering Journal* (AISC) article on bridge loads via interlibrary loan for Structural Design.
- Sent notice of an NJ State Library lunch-time learning session on their *Pronunciator* database to Structural Design staff.

- Identified, located, and lent the latest print copy of the NJDOT *Standard Specifications for Road and Bridge Construction* to Structural & Railroad Engineering.
- Identified, located, and lent FE and PE materials for Structural Evaluation and Structural & Railroad Engineering, and sent a list to Support Services. (Laurie)
- Identified, located, and lent civil service exam study materials for Operations and Roadway Design. (Laurie)
- Identified, located, and lent AASHTO *LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals* with 2017 Revisions to Geotechnical Engineering. (Laurie)
- Provided locations for AASHTO *LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals* to Structural & Railroad Engineering since our copy was out.
- Verified various editions of the AASHTO *LRFD Movable Highway Bridge Design Specifications* for Structural & Railroad Engineering.
- Provided locations of four copies of the new print AASHTO publication to Structural & Railroad Engineering staff (in their Division).
- Sent links to NJ State Library databases for languages to Structural Design.
- Located and sent link to an online NJDOT Bureau of Research final report to NJDEP Bureau of Recycling and Hazardous Waste. (Laurie)
- Provided standard to NJDEP. (Laurie)
- Responded to OCLC Lending requests. (Laurie)
- Copy cataloged newly acquired materials into the NJ State Library's catalog (public access). (Laurie)
- Added new materials into the Shared Resources Catalog (NJDOT access) and uploaded fulltext when possible. (Laurie)
- Continued going through donations and incorporating into collection or adding to the giveaway lists. (Laurie)
- Edited a memo for Operations staff.
- Responded to a total of 139 requests, 117 (or 84%) of which were from NJDOT staff. The rest were from the NJ Dept. of Environmental Protection; NJ Building Authority (Treasury); Eatontown Police Dept.; The College of New Jersey; South Orange Public Library; an NJ resident; Antioch University; St. Mary's Public Library (OH); Syracuse University; University of California-Irvine; University at Buffalo (SUNY); University of Louisville; and an out-of-state resident. The 104 reference requests and 35 document requests together resulted in provision of 35 loans, 36 documents, 1 photocopy, 3 printouts, and 64 verbal or written replies. A separate spreadsheet is provided.

### **Meetings/Classes**

- Carol attended OCLC Distinguished Seminar Series webinar, "For the greater (not) good (enough): Open access and information privilege," presented by Char Booth of California State University-San Marcos.
- Laurie and Carol attended the Transportation Librarians' Roundtable, "Digitizing DC's Transportation History: Using Omeka and Social Media to Uncover Hidden Collections," presented by Katie Crabb of the Washington, DC (District) Dept. of Transportation, featuring their online historical photo archive, [DDOT Back in Time](#).
- Carol attended a Lucidea webinar, "Selling KM: Define the Essentials," presented by author and speaker, Stan Garfield.

- Laurie and Carol attended the NJDOT Bureau of Research staff meeting. Updated staff on the ASTM/AASHTO title list situation.
- Carol attended the NJDOT Research Brown Bag session, “Getting through the Green: Smarter Traffic Management with Adaptive Signal Control,” presented by NJDOT Transportation Systems Management Assistant Commissioner, Bill Kingsland.
- Laurie attended the Association for Library Collections and Technical Services (ALCTS)-sponsored webinar, “RDA 3R Project,” presented by Kathy Glennan, Head of Special and Original Collections Cataloging at the University of Maryland and ALA Representative to the RDA Steering Committee.
- Carol attended the Transportation Research Thesaurus (TRT) Subcommittee telephone meeting.

c: Amanda Gendek  
Doris Murphy  
Maria Baratta  
Margaret Nizolek  
Cindy Warrick  
Stefanie Potapa

November 2017, Monthly Report, page 4 of 4



**New Jersey Department of Transportation**  
**RESEARCH LIBRARY MONTHLY REPORT**  
**December 2017**  
**7510 - Research Library Operations**

**Critical Issues**

- Multiple Websense exemption requests from months ago for categories such as “Educational Videos” and “Personal Blogs/Storage” have stalled somewhere in the approval chain. Not pursuing further - just won’t access anything that Websense blocks.
- Due to delivery difficulties with *ENR-Engineering-News Record*, even after claiming missing issues via EBSCO, we are not renewing our subscription to the print editions. Access is possible, if anyone wants to see this, via the NJ State Library’s e-journals.
- Legislative Analysis sent us a password for searching Lexis Advance (previously LexisNexis) - an unexpected and welcome occurrence. In the past, we’ve always had to request that Legislative Analysis staff or NJ State Law Library staff search this platform on our behalf.

**New Initiatives**

- Working on a poster session regarding AASHTO digital publications for display at the Transportation Research Board (TRB) Standing Committee on Library and Information Science for Transportation (LIST) Committee poster sessions at the TRB Annual Meeting in January.
- Asked Dave Lambert - CPM Assistant Commissioner, State Bridge Engineer, and AASHTO committee member - to request that AASHTO provide their digital interim revisions (several publication titles, especially bridge-related, are updated by these) on a white background so that printouts can be legible. Historically, AASHTO sent print interim revisions on pink or blue paper and, in trying to recreate this tradition, they are using these colors for background on the digital editions. The printouts are then very difficult to read, since the colors print as a medium-dark gray (we’re not supposed to print in color, which would use up a lot of pricey color toner).
- Assisting Traffic Operations with identifying past internal Department efforts concerning tall truck detection.

**Significant Accomplishments**

- Sent a *FreightWaves* article on cybersecurity and autonomous trucks to the Connected & Automated Vehicle (CAV) Group, comprising staff from Transportation Systems Management (TSM) and Planning, and Emergency Management & Transportation Security.
- Forwarded a link to a Virginia report on improving animal-vehicle collision data to Transportation Data & Safety, Operations, Environmental units, and Traffic Operations.
- Sent a *GovTech Today* article on technology to prevent wrong-way driving to Transportation Data & Safety, Traffic Engineering, TSM, and Operations.
- Sent new OSHA rules for workers’ exposure levels for silica dust to Employee Safety, Construction, and Operations.
- Sent an *Asbury Park Press* article on the historical Glimmer Glass lift bridge to Operations and Environmental Resources. Even though it’s a Monmouth County, and not a State bridge, NJDOT may be involved in a lawsuit.

- Forwarded a City Parks Alliance five-part video series to Planners, Environmental units, and Local Aid.
- Sent notification of the Metropolitan Area Planning (MAP) Forum to Planning and Operations.
- Sent information to a new employee in Statewide Planning regarding holdings in the Research Library and how to access.
- Gave information to Research concerning group emails in Outlook and their maintenance.
- Forwarded information on the Fifth Biennial Marine Transportation Systems Research and Technology Conference to Maritime Resources.
- Located and provided documents to the Inspector General's Office for fulfillment of an OPRA request.
- Answered questions from the Inspector General about Research Library services in regard to their OPRA work.
- Accepted donation of a historical item from the IG Office's staff; created and inserted a memorial bookplate, and added item to the collection.
- Corroborated Highway & Traffic Design's perception of the nonexistence of an AASHTO publication as cited by a plaintiff's attorney and requested by a Deputy Attorney General (DAG).
- Identified, located, and lent civil service exam study materials to Construction, Data Development & Safety, IT, Pavement & Drainage Management, and Operations.
- Forwarded an *INC-Online* article on public speaking to the NJDOT Toastmasters Club members.
- Located a copy of the National Fire Protection Association's (NFPA) *National Electrical Code* in Traffic Engineering, and borrowed for loan to Construction.
- Forwarded the ACI e-newsletter to Materials.
- Completed citations, located holders, and obtained seven articles via interlibrary loan for Geotechnical Engineering.
- Identified material from ACI 318, lent for onsite use, and provided photocopies to Structural Design.
- Located textbooks and borrowed via interlibrary loan for use by Structural Design and Roadway Design.
- Identified, located, and lent books on interviewing (as interviewee) for Structural Design.
- Identified, located, and lent PE materials for Structural Design and Support Services.
- Showed Structural & Railroad Engineering staff how to access AASHTO *LRFD Bridge Design Specifications* via the ASTM portal.
- Identified and located the AASHTO *Manual for Bridge Evaluation* with interim revisions for Structural Evaluation, and instructed on access via the ASTM portal.
- Identified, located, and provided NJDOT standard specifications for 1996 and the 1998 Supplement to Structural & Railroad Engineering.
- Sent a Reuters article and an Associated Press article on the Gateway tunnel to Operations.
- Responded to interlibrary loan borrowing requests from other libraries.
- Added new materials into the Shared Resources Catalog, uploading the full text where possible.
- Copy cataloged several new items.
- Continued going through donations and adding to unwanted items to the giveaway list.

- Completed the list of *Selected Recent Acquisitions* for the 2017 second quarter and had the webmaster post to the intranet Newsletters and internet webpage.

### **Significant Accomplishments**

- Responded to a total of 145 requests, 118 (or 81%) of which were from NJDOT staff. The rest were from the NJ Dept. of Environmental Protection; NJ Building Authority (Treasury); Camden County Library; Monmouth County Archives; an NJ resident; Minnesota DOT; Virginia DOT; Catholic University; Drexel University; Metropolitan Library System (OK); Texas A&M University; and West Virginia University. The 92 reference requests and 53 document requests together resulted in provision of 39 loans, 38 documents, 4 photocopies, and 64 verbal or written replies. A separate spreadsheet is provided.

### **Meetings/Classes**

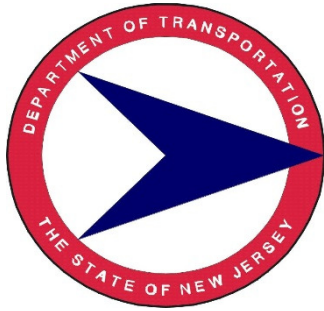
- Carol attended a CIPGA brown bag on the Department Transportation Asset Management Plan presented by “TAM Team” members Danielle Graves, Sue Gresavage, and Harjit Bal.
- Carol attended an ENR webinar, “Selling your Great Idea: Intrapreneurship in AEC Firms,” presented by Joe Derhake of Partner Engineering & Science, Inc., Brian Sifton of Black & Veatch, and Joe Williams of Project Atlas.
- Carol virtually attended the 2017 Annual Meeting of the Metropolitan Area Planning (MAP) Forum which covered transportation performance management, a post-Hurricane Sandy transportation resilience study, and trans-Hudson studies and projects.
- Carol attended an ETKN telephone meeting.
- Laurie and Carol attended the Transportation Librarians’ Roundtable, “A Peak Behind the Curtain: Updates and Known Issues for NTL Services,” presented by Laura Farley and Mary Moulton of the National Transportation Library.

c: Amanda Gendek  
 Maria Baratta  
 Cindy Warrick

Doris Murphy  
 Margaret Nizolek  
 Stefanie Potapa

**APPENDIX C**

**QUARTERLY LISTS OF *SELECTED RECENT ACQUISITIONS***



**NJ DEPARTMENT OF  
TRANSPORTATION RESEARCH  
LIBRARY  
*SELECTED RECENT ACQUISITIONS***

**January - March 2017**

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.nj.gov](mailto:library@dot.nj.gov) (Library, DOT) or call 609-530-5289 for these or any other publications.

**Administration and Management**

**AASHTO Annual Report 2016 /**

American Association of State Highway and Transportation Officials -- Washington, DC : AASHTO, 2017-01 (Publication Code: 2016AR-1), 24 pp.  
[https://bookstore.transportation.org/free\\_publications.aspx?ItemID=3727](https://bookstore.transportation.org/free_publications.aspx?ItemID=3727) - login required

**AASHTO Guide for Enterprise Risk Management /**

Gordon Proctor et al. -- 1st edition -- Washington, DC : Association of State Highway and Transportation Officials (AASHTO) ; Federal Highway Administration (FHWA) ; National Cooperative Highway Research Program (NCHRP), 2016 (Publication Code: ERM-1), 227 pp.  
<http://drm.transportation.org> - login required

**Beyond Traffic 2045 /**

U.S. Department of Transportation, Office of the Secretary -- Final Report -- Washington, DC: USDOT, 2017-01, 239 pp.  
[https://www.transportation.gov/sites/dot.gov/files/docs/BeyondTraffic\\_tagged\\_508\\_final.pdf](https://www.transportation.gov/sites/dot.gov/files/docs/BeyondTraffic_tagged_508_final.pdf)

**Evaluation of Public-Private Partnership Contract Types for Roadway Construction, Maintenance, and Rehabilitation /**

Panagiotis Ch. Anastasopoulos, Adel Sadek, and Natlan Suresh -- Buffalo, NY : University of Buffalo, State University of New York, Dept. of Civil, Structural, and Environmental Engineering ; New York : The City College of New York, UTRC - Region 2, 2015-12, 279 pp.  
<http://www.utrc2.org/sites/default/files/Final-Report-Evaluation-Public-Private-Partnership-Contract-Types.pdf>

**Implementation of Transportation Asset Management in Grandview, Missouri /**

Henry Brown et al. -- Columbia, MO : University of Missouri - Columbia, Dept. of Civil and Environmental Engineering, Transportation Infrastructure Center ; Ames, IA : Midwest Transportation Center ; Grandview, MO : City of Grandview, Missouri, 2017-02, 159 pp.  
[http://www.intrans.iastate.edu/research/documents/research-reports/Grandview\\_MO\\_TAM\\_Implementation\\_w\\_cvr.pdf](http://www.intrans.iastate.edu/research/documents/research-reports/Grandview_MO_TAM_Implementation_w_cvr.pdf)

1<sup>st</sup> Quarter 2017, Acquisitions, Page 1 of 15

### **Managing Unspent Federal Metropolitan Planning Funds /**

CTC & Associates LLC -- Minneapolis, MN : Minnesota Dept. of Transportation, Office of Transportation System Management, Research Services & Library, 2017-02 (TRS 1701), 36 pp.  
<http://www.dot.state.mn.us/research/TRS/2017/TRS1701.pdf>

### **Maximizing the Value of Investments Using Life Cycle Cost Analysis /**

Eno Center for Transportation and the American Society of Civil Engineers -- Reston, VA : ASCE ; Washington, DC : Eno Center, 2014, 28 pp.  
[http://www.asce.org/uploadedFiles/Issues\\_and\\_Advocacy/Our\\_Initiatives/Infrastructure/Content\\_Pieces/asce-eno-life-cycle-report.pdf](http://www.asce.org/uploadedFiles/Issues_and_Advocacy/Our_Initiatives/Infrastructure/Content_Pieces/asce-eno-life-cycle-report.pdf) ; <https://www.enotrans.org/wp-content/uploads/LCCA.pdf>

### **Putting Price Tags on International Trade Use of State Infrastructure - Final Report /**

Taehoon Lim et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (FHWA/TX-17/0-6844-1), 149 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6844-1.pdf>

### **Strategic Program Delivery Methods /**

Dan Tran, Christofer Harper, and R. Edward Minchin, Jr. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Synthesis 504), 102 pp.  
<http://www.trb.org/Publications/Blurbs/175825.aspx>

### **Transportation Economic Trends /**

Karen E. White, Stephen Brumbaugh, Kenneth Notis, et al. -- Washington, DC : U.S. Dept. of Transportation, Bureau of Transportation Statistics, 2016, 94 pp.  
<https://www.bts.gov/content/transportation-economic-trends>

### **Transportation Governance and Finance: A 50-State Review of State Legislatures and Departments of Transportation /**

Jaime Rall et al. -- 2nd edition -- Washington, DC : American Association of State Highway and Transportation Officials, AASHTO Standing Committee on Finance and Administration 2016 and AASHTO Subcommittee on Transportation Finance Policy 2016, 2016-11 (Publication Code: TGF-2-OL), 542 pp. [https://bookstore.transportation.org/free\\_publications.aspx?ItemID=2700](https://bookstore.transportation.org/free_publications.aspx?ItemID=2700)

## **Aviation**

### **Clean Water Act Requirements for Airports /**

Dean Mericas, Jeffrey Longworth, and Kim Shannon -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 169), 29 pp.  
<http://www.trb.org/Publications/Blurbs/175472.aspx>

### **Graduate Research Award Program on Public-Sector Aviation Issues Update: 2008-2017 /**

Airport Cooperative Research Program -- Washington, DC : Transportation Research Board, 2017-01 (Research Results Digest 25), 27 pp. <http://www.trb.org/Publications/Blurbs/175502.aspx>

### **Guidebook for Developing Ramp Control Facilities /**

Barbara Cogliandro et al. -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 167), various pagings <http://www.trb.org/Publications/Blurbs/175172.aspx>

1<sup>st</sup> Quarter 2017, Acquisitions, Page 2 of 15

### **Guidebook for Selecting Methods to Monitor Airport and Aircraft Deicing Materials - Second Edition /**

Jill Greene and Dean Mericas -- 2nd edition -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 72), various pagings <http://www.trb.org/Publications/Blurbs/167504.aspx>

### **Interpreting the Results of Airport Water Monitoring: A Guidebook /**

Gresham, Smith and Partners et al. -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 166), various pagings <http://www.trb.org/Publications/Blurbs/175862.aspx>

### **Preemption of Worker-Retention and Labor-Peace Agreements at Airports /**

Eric T. Smith -- Washington, DC : Transportation Research Board, 2017-02 (Legal Research Digest 31), 32 pp. <http://www.trb.org/Publications/Blurbs/175654.aspx>

### **Runway Protection Zones (RPZs) Risk Assessment Tool Users' Guide /**

Hamid Shirazi et al. -- Washington, DC : Transportation Research Board, 2016 (ACRP Research Report 168), 66 pp. <http://www.trb.org/Publications/Blurbs/174951.aspx>

### **Synthesis of Information Related to Airport Practices /**

Airport Cooperative Research Program -- Washington, DC : Transportation Research Board, 2017-01 (Research Results Digest 26), 9 pp. <http://www.trb.org/Publications/Blurbs/175530.aspx>

## **Bicycles and Pedestrians**

### **Bicycles and Motorcycles /**

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2587), 148 pp. <http://www.trb.org/Publications/Blurbs/175582.aspx>

### **Crossing Solutions at Roundabouts and Channelized Turn Lanes for Pedestrians with Vision Disabilities: A Guidebook /**

Bastian Schroeder et al. -- Washington, DC : Transportation Research Board, 2016 (NCHRP Research Report 834), 119 pp. <http://www.trb.org/Publications/Blurbs/175586.aspx>

### **Errata for Guide for the Development of Bicycle Facilities, 4th Edition (GBF-4) /**

American Association of State Highway and Transportation Officials -- 4th edition -- Washington, DC: AASHTO, 2017-02 (Publication Code: GBF-4), 11 pp. <http://downloads.transportation.org/GBF-4-Errata.pdf>

## **Bridges and Structures**

### **Control of Concrete Cracking in Bridges /**

Henry G. Russell -- Washington, DC : Transportation Research Board, 2017 (NCHRP Synthesis 500), 104 pp. <http://www.trb.org/Publications/Blurbs/175649.aspx>

### **Current Practices and Guidelines for the Reuse of Bridge Foundations /**

Andrew Z. Boeckmann and J. Erik Loehr -- Washington, DC : Transportation Research Board, 2017 (NCHRP Synthesis 505), 80 pp. <http://www.trb.org/Publications/Blurbs/175558.aspx>

1<sup>st</sup> Quarter 2017, Acquisitions, Page 3 of 15

**Development of Guidelines for Transportation of Long Prestressed Concrete Girders /**

Jonathan C. McGormley and Richard E. Lindenberg -- Northbrook, IL : Wiss, Janney, Elsner Associates, Inc. ; Baton Rouge, LA ; Louisiana Dept. of Transportation and Development, 2016-12 (FHWA/LA.16/567), 294 pp. [http://www.ltrc.lsu.edu/pdf/2016/FR\\_567.pdf](http://www.ltrc.lsu.edu/pdf/2016/FR_567.pdf)

**Effect of Implementing Lean-On Bracing in Skewed Steel I-Girder Bridges /**

Andrew Bechtel -- Ewing, NJ : The College of New Jersey ; New York : City College of New York, UTRC- Region 2, 2016-09, 23 pp. <http://www.utrc2.org/sites/default/files/Final-Report-Effect-of-Implementing-Lean-On-Bracing.pdf>

**Errata for S2.1, Steel Bridge Fabrication Guide Specification, 2016 Edition /**

AASHTO/NSBA Steel Bridge Collaboration -- 3rd edition -- Washington, DC : American Association of State Highway and Transportation Officials (AASHTO) ; [Chicago] : National Steel Bridge Alliance, 2017-03 (NSBASBF-3 - Errata), 45 pp. <http://downloads.transportation.org/NSBASBF-3-Errata.pdf>

**FHWA LTPP Guidelines for Measuring Bridge Approach Transitions Using Inertial Profilers /**

Brandt Henderson et al. -- Tonawanda, NY : Stantec Consulting, Ltd. ; McLean, VA : Federal Highway Administration, Office of Research, Development, and Technology, Turner-Fairbank Highway Research Center, 2016-12 (FHWA-HRT-16-072), 41 pp. <https://www.fhwa.dot.gov/publications/research/infrastructure/pavements/ltp/16072/index.cfm>

**Guide Design Specifications for Bridge Temporary Works /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Bridges and Structures, 2016 -- 2nd edition -- Washington, DC : AASHTO, 2017 (Publication Code: GSBTW-2), 114 pp. [https://bookstore.transportation.org/my\\_bookstore.aspx](https://bookstore.transportation.org/my_bookstore.aspx)

**Guide Specifications for Wind Loads on Bridges During Construction /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Bridges and Structures, 2016 -- Washington, DC : AASHTO, 2017 (Publication Code: GSWLB-1), 27 pp. <http://drm.transportation.org/login.aspx>

**Guidelines for Emergency Ventilation Smoke Control in Roadway Tunnels /**

Igor Maevski -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 836), 72 pp. <http://www.trb.org/Publications/Blurbs/175854.aspx>

**Hydraulic Performance of Shallow Foundations for the Support of Vertical-Wall Bridge Abutments /**

Oscar Suaznabar et al. -- Hampton, VA : Genex Systems, LLC ; Washington, DC : Federal Highway Administration, 2017-02 (FHWA/HRT-17-013), 128 pp. <https://www.fhwa.dot.gov/publications/research/infrastructure/structures/bridge/17013/17013.pdf>

**Implementation Project: Strengthening a Continuous Steel Girder Bridge in Lakeport, Texas with Post-Installed Shear Connectors: Phase 1 - Bridge Strengthening Design and Load Testing /**

Kerry L. Kreitman et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (FHWA/TX-16/5-6719-01-1), 127 pp. <http://library.ctr.utexas.edu/ctr-publications/5-6719-01-1.pdf>

1<sup>st</sup> Quarter 2017, Acquisitions, Page 4 of 15



### **Movable Bridge Inspection, Evaluation, and Maintenance Manual /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Bridges and Structures, 2016 -- 2nd edition - 2017 -- Washington, DC : AASHTO, 2017 (Publication Code: MBI-2), 561 pp. <https://bookstore.transportation.org/> - login required

### **Post-Extreme Event Damage Assessment and Response for Highway Bridges /**

Alice Alipour -- Washington, DC : Transportation Research Board, 2016 (NCHRP Synthesis 497), 91 pp. <http://www.trb.org/Publications/Blurbs/175479.aspx>

### **Communications**

#### **Communications Guide for State Departments of Transportation /**

Shane Peck et al. -- Washington, DC : American Association of State Highway and Transportation Officials (AASHTO), 2017-02 (Publication Code: CGDOT-1), 50 pp. [https://bookstore.transportation.org/my\\_bookstore.aspx?Action=editfreepubs](https://bookstore.transportation.org/my_bookstore.aspx?Action=editfreepubs)

#### **Turner-Fairbank Highway Research Center R&D Communication Reference Guide (CRG) /**

Lisa Shuler et al. -- McLean, VA : Federal Highway Administration, Office of Research, Development, and Technology, 2017-02 (FHWA-HRT-15-058), 147 pp.

### **Construction**

#### **Alternate Design/Alternate Bid Process for Pavement-Type Selection /**

Douglas D. Gransberg et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Synthesis 499), 77 pp. <http://www.trb.org/Publications/Blurbs/175584.aspx>

#### **Construction Handbook for Bridge Temporary Works /**

American Association of State Highway and Transportation Officials -- 2nd edition -- Washington, DC : AASHTO, 2017 (Publication Code: CHTBW-2), 156 pp. [https://bookstore.transportation.org/my\\_bookstore.aspx](https://bookstore.transportation.org/my_bookstore.aspx) - login required

#### **Practices for Establishing Contract Completion Dates for Highway Projects /**

Timothy R.B. Taylor, Roy E. Sturgill, Jr., and Ying Li -- Washington, DC : Transportation Research Board, 2017 (NCHRP Synthesis 502), 63 pp. <http://www.trb.org/Publications/Blurbs/175746.aspx>

#### **Standard Construction Details - Roadway - Traffic Control - Bridge - 2016 /**

New Jersey Department of Transportation -- Trenton, NJ : NJDOT, 2016, oversized - 164 sheets <http://www.state.nj.us/transportation/eng/CADD/v8/index.shtml#StandardDetailsEnglish>

### **Energy and Environment**

#### **Effect of Plug-in Hybrid Electric Vehicle Adoption on Gas Tax Revenue, Local Pollution, and Greenhouse Gas Emissions /**

Neil J. McCall, William T. Riddell, and Krishan K. Bhatia -- Glassboro, NJ : Rowan University ; New York : City College of New York, University Transportation Center - Region 2, 2015-12, 52 pp. <http://www.utrc2.org/sites/default/files/Final-Report-Effect-of-Plug-in-Hybrid-Electric-Vehicle-Adoption.pdf>

1<sup>st</sup> Quarter 2017, Acquisitions, Page 5 of 15

### **Electric Vehicle Capitals of the World: Demonstrating the Path to Electric Drive /**

Dale Hall, Marissa Moultak, and Nic Lutsey -- Washington, DC : International Council on Clean Transportation, 2017-03 (White Paper 06032017), 57 pp.  
[http://www.theicct.org/sites/default/files/publications/Global-EV-Capitals\\_White-Paper\\_06032017\\_vF.pdf](http://www.theicct.org/sites/default/files/publications/Global-EV-Capitals_White-Paper_06032017_vF.pdf)

### **Making the Transition to Light-Duty Electric-Drive Vehicles in the U.S.: Costs in Perspective to 2035 /**

Joan Ogden, Lew Fulton, and Dan Sperling -- Davis, CA : University of California-Davis, Institute of Transportation Studies, Sustainable Transportation Energy Pathways (STEPS), 2016-12, 99 pp.  
<http://steps.ucdavis.edu/wp-content/uploads/12-22-2016-The-Relative-Cost-of-Transport-Transitions-Ogden-Fulton-FINAL-Dec-13-2016.pdf>

### **Mapping Heavy Vehicle Noise Source Heights for Highway Noise Analysis /**

Paul R. Donovan and Carrie J. Janello -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 842), 83 pp. ; Appendices online  
<http://www.trb.org/Publications/Blurbs/175742.aspx>

### **NEPA Assignment in TxDOT: Analysis, Review, and Training Modules /**

Lisa Loftus-Otway et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-02 (FHWA/TX-16/0-6866-1), 344 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6866-1.pdf>

### **NEPA Reporting Synthesis of State Practices [TechSummary] /**

Lisa Loftus-Otway et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017 (0-6886-S), 2 pp. <http://library.ctr.utexas.edu/ctr-publications/psr/0-6866-s.pdf>

## **Freight / Goods Movement**

### **Freight Transport in a Low-Carbon World /**

Transportation Research Board -- Washington, DC : TRB, 2016 (TR News No. 306 (November-December 2016)), 52 pp. <http://www.trb.org/Publications/Blurbs/175579.aspx>

### **Integrating Underground Freight Transportation into Existing Intermodal Systems /**

Mohammad Najafi, Siamak Ardekani, and Seyed Mohsen Shahandashti -- Arlington, TX : University of Texas at Arlington, Center for Underground Infrastructure Research and Education (CUIRE) ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-08 (0-6870-1), 263 pp. <http://library.ctr.utexas.edu/hostedpdfs/uta/0-6870-1.pdf>

### **Panama Canal Expansion: The Effect of Imports and Exports Diverted from California Seaports on the Port of New York and New Jersey /**

JiYoung Park, ChangKeun Park, and Harry W. Richardson -- Buffalo, NY : University at Buffalo (SUNY) ; New York : University Transportation Research Center - Region 2, 2016-12, 57 pp.  
<http://www.utrc2.org/sites/default/files/Final-Report-Panama-Canal-Extension.pdf>

1<sup>st</sup> Quarter 2017, Acquisitions, Page 6 of 15

**The Ties that Bind: Bi-national Trade and its Implications of the U.S. and Canada Using Bi-national Freight Movement Network via Border Crossings /**

JiYoung Park et al. -- Buffalo, NY : University at Buffalo (SUNY) ; New York : University Transportation Research Center - Region 2, 2016-12, 66 pp.  
<http://www.utrc2.org/sites/default/files/Final-Report-The-Ties-that-Bind-Bi-national-trade-Freight-Movement.pdf>

**Using Commodity Flow Survey Microdata and Other Establishment Data to Estimate the Generation of Freight, Freight Trips, and Service Trips: Guidebook /**

Jose Holguin-Veras et al. -- Washington, DC : Transportation Research Board, 2017 (NCFRP Research Report 37), 238 pp. <http://www.trb.org/Publications/Blurbs/175283.aspx>

**Geotechnical**

**Implementation of LRFD Geotechnical Design for Deep Foundations Using Texas Cone Penetrometer (TCP) Test /**

Hoyoung Seo et al. -- Lubbock, TX : Texas Tech University, Texas Tech Center for Multidisciplinary Research in Transportation ; Austin, TX : Texas Dept. of Transportation, Division of Research and Technology Implementation, 2015-09 (FHWA/TX-16/5-6788-01-1), 34 pp.  
<http://library.ctr.utexas.edu/hostedPDFs/texastech/5-6788-01-1.pdf>

**Limit Equilibrium Design Framework Extensible Reinforcement for MSE Structures with Extensible Reinforcement /**

Dov Leshchinsky et al. -- Washington, DC : Parsons Brinckerhoff ; Federal Highway Administration, Office of Bridge Technology ; Clackamas, OR : ADAMA Engineering, Inc., 2016-10 (FHWA-HIF-17-004), 132 pp. <https://www.fhwa.dot.gov/engineering/geotech/pubs/hif17004.pdf>

**Principles of Geotechnical Engineering /**

Braja M. Das and Khaled Sobhan -- 8th edition -- Stamford, CT : Cengage Learning, 2014, 726 pp.

**State of the Art and Practice in the Assessment of Earthquake-Induced Soil Liquefaction and Its Consequences /**

National Academies of Sciences, Engineering, and Medicine, Board on Earth Sciences and Resources, Committee on State of the Art and Practice in Earthquake Induced Soil Liquefaction Assessment -- Washington, DC ; National Academies Press, 2016, 297 pp. <http://www.nap.edu/23474>

**Highway Design**

**Effective Utility Coordination: Application of Research and Current Practices /**

Roy E. Sturgill, Timothy R.B. Taylor, and Ying Li -- Washington, DC : Transportation Research Board, 2017 (NCHRP Synthesis 506), 62 pp. <http://www.trb.org/Publications/Blurbs/175651.aspx>

1<sup>st</sup> Quarter 2017, Acquisitions, Page 7 of 15

## **Human Resources**

### **2016 AASHTO Salary Survey /**

Missouri Department of Transportation, Human Resources Division, Compensation Unit -- Washington, DC : American Association of State Highway and Transportation Officials (AASHTO), Subcommittee on Human Resources, 2017-03 (Publication Code: SS-16), 98 pp.

[https://bookstore.transportation.org/free\\_publications.aspx?ItemID=3737](https://bookstore.transportation.org/free_publications.aspx?ItemID=3737)

### **Leveraging Technology for Transportation Agency Workforce Development and Training /**

Nancy Laffey -- Washington, DC : Transportation Research Board, 2017 (NCHRP Synthesis 503), various pagings <http://www.trb.org/Publications/Blurbs/175650.aspx>

## **Intelligent Transportation Systems (ITS)**

### **An Assessment of Autonomous Vehicles: Traffic Impacts and Infrastructure Needs - Final Report**

Kara Kockelman et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (FHWA/TX-17/0-6847-1), 182 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6847-1.pdf> - final report; <http://library.ctr.utexas.edu/ctr-publications/psr/0-6847-s.pdf> - project summary

### **Best Practices for Modifying Transportation Design, Planning, and Project Evaluation in Texas/**

Kara Kockelman et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (Product 0-6847-P1), 58 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6847-P1.pdf>

### **Bringing Smart Transport to Texans: Ensuring the Benefits of a Connected and Autonomous Transport System in Texas - Final Report /**

Kara Kockelman et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-11 (FHWA/TX-16/0-6838-2), 385 pp., appendices 246 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6838-2.pdf> ; <http://library.ctr.utexas.edu/ctr-publications/0-6838-2-appx.pdf>

### **Connected Vehicle Problems, Challenges, and Major Technologies - Workshop Materials [Electronic] /**

Chandra Bhat et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (Product 0-6845-P1), 54 slides <http://library.ctr.utexas.edu/ctr-publications/0-6845-P1.org>

### **Empirical Analysis of Consumer Aspects of Autonomous Cars /**

Scott LeVine -- New Paltz, NY : SUNY New Paltz ; New York : City College of New York, University Transportation Research Center - Region 2, 2016-06, 15 pp. <http://www.utrc2.org/sites/default/files/Final-Report-Empirical-Analysis-Consumer-Aspects-Autonomous-Cars.pdf>

### **Guidelines on CV Networking Information Flow Optimization for Texas /**

Jeffrey Andrews et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (FHWA/TX-17/0-68445-1), 86 pp. <http://library.ctr.utexas.edu/ctr-publications/0-68445-1.pdf>

1<sup>st</sup> Quarter 2017, Acquisitions, Page 8 of 15

## **Legal Issues**

### **Liability of State Departments of Transportation for Design Errors /**

Larry W. Thomas -- Washington, DC : Transportation Research Board, 2017 (Legal Research Digest 74), 56 pp. ; Appendices A-F online <http://www.trb.org/Publications/Blurbs/175610.aspx>

### **Primer on Patentability and Use of Ideas Developed by Contractors Performing Work for State and Federal Transportation and Local Planning Agencies /**

Timothy R. Wyatt -- Washington, DC : Transportation Research Board, 2017 (Legal Research Digest 73), 33 pp. <http://www.trb.org/Publications/Blurbs/175658.aspx>

## **Marine / Waterways**

### **Inventory and Assessment of Waterborne Transportation Resources Study - Final Report /**

WSP | Parsons Brinckerhoff, Cheng Solutions, LLC, and CH2M -- Newark, NJ : North Jersey Transportation Planning Authority (NJTPA), 2016-12, 201 pp.  
[http://www.njtpa.org/planning/regional-studies/freight/\\_-main-report-and-appendices-v3.aspx](http://www.njtpa.org/planning/regional-studies/freight/_-main-report-and-appendices-v3.aspx)

## **Materials**

### **Alkali Silica Reaction (ASR) in Cement Free Alkali Activated Sustainable Concrete /**

Zihui Li et al. -- [Potsdam, NY] : Clarkson University ; New York : City College of New York, UTRC - Region 2, 2016-12, 68 pp. <http://www.utrc2.org/sites/default/files/Final-Report-Alkali-Silica-Reaction.pdf>

### **Evaluation of High-Performance Fiber-Reinforced Concrete for Bridge Deck Connections, Closure Pours, and Joints /**

Levon C. Hoomes, H. Celik Ozyildirim, and Michael C. Brown -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-01 (FHWA/VTRC 17-R15), 27 pp. [http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/17-r15.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/17-r15.pdf)

### **Improved Overlay Tester for Fatigue Cracking Resistance of Asphalt Mixtures /**

Victor Garcia et al. -- El Paso, TX : University of Texas at El Paso, Center for Transportation Infrastructure Systems ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-01 (TxDOT 0-6815-1), 176 pp.  
<http://library.ctr.utexas.edu/hostedpdfs/utep/0-6815-1.pdf>

### **Investigation of Properties of High-Performance Fiber-Reinforced Concrete: Very Early Strength, Toughness, Permeability, and Fiber Distribution /**

Evelina Khakimova and Celik Ozyildirim -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-01 (FHWA/VTRC 17-R3), 33 pp.  
[http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/17-r3.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/17-r3.pdf)

### **Laboratory Evaluation of 100 Percent Fly Ash Cementitious Systems /**

Tyson D. Rupnow et al. -- Baton Rouge, LA : Louisiana Transportation Research Center ; Louisiana Dept. of Transportation and Development, 2016-12 (FHWA/LA.15/573), 54 pp.  
<http://www.ltrc.lsu.edu/pdf/2016/FR573.pdf>

1<sup>st</sup> Quarter 2017, Acquisitions, Page 9 of 15

## **Performance-Related Specifications for Emulsified Asphaltic Binders Used in Preservation Surface Treatments /**

Y. Richard Kim et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 837), 106 pp. <http://www.trb.org/Publications/Blurbs/175442.aspx>

## **Rheology Limits for Grout Materials Used for Precast Bent Cap Pile Pockets in Hot Weather /**

Raphael Kampmann et al. -- Tallahassee, FL : Florida State University ; Florida Dept. of Transportation, 2017-02 (FDOT BDV30 TWO 977-16), 108 pp. [http://www.fdot.gov/research/Completed\\_Proj/Summary\\_STR/FDOT-BDV30-977-16-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_STR/FDOT-BDV30-977-16-rpt.pdf)

## **Operations and Maintenance**

### **North American Study on Contracting Snow and Ice Response /**

Laura Fay et al. -- Bozeman, MT : Montana State University, Western Transportation Institute ; St. Paul, MN : Minnesota Dept. of Transportation, Clear Roads Pooled Fund, 2017-01 (CR 15-03), 172 pp. [http://clearroads.org/wp-content/uploads/dlm\\_uploads/FR\\_CR.15-03\\_Final.pdf](http://clearroads.org/wp-content/uploads/dlm_uploads/FR_CR.15-03_Final.pdf)

### **Plug-and-Play Initiative: Phase 2 /**

Scott Petersen -- Minneapolis, MN : SRF Consulting Group, Inc. ; St. Paul, MN : Minnesota Dept. of Transportation, Clear Roads Pooled Fund, 2017-01 (CR 14-04), 36 pp. [http://clearroads.org/wp-content/uploads/dlm\\_uploads/FR\\_CR.14-04\\_Final.pdf](http://clearroads.org/wp-content/uploads/dlm_uploads/FR_CR.14-04_Final.pdf)

### **TxDOT Wildland Fire Management Training /**

Philip T. Nash et al. -- Lubbock, TX : Texas Tech University, Texas Tech Center for Multidisciplinary Research in Transportation ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2014-06 (FHWA/TX-14/5-6735-01-1), 49 pp. <http://library.ctr.utexas.edu/hostedPDFs/texastech/5-6735-01-1.pdf>

## **Pavements**

### **Building Accurate Historic and Future Climate MEPDG Input Files for Louisiana DOTD /**

Michael Heitzman et al. -- Auburn, AL : Auburn University, National Center for Asphalt Technology ; Baton Rouge, LA: Louisiana Dept. of Transportation and Development, Louisiana Transportation Research Center, 2017-02 (FHWA/12-2P/574), 68 pp. [http://www.ltrc.lsu.edu/pdf/2017/FR\\_574.pdf](http://www.ltrc.lsu.edu/pdf/2017/FR_574.pdf)

### **Evaluation, Development, and Implementation of 3D GPR for Assessment of Minnesota Infrastructure /**

Kyle Hoegh, Derek Tompkins, and Lev Khazanovich -- Minneapolis, MN : University of Minnesota, Dept. of Civil, Environmental, and Geo-Engineering ; Center for Transportation Studies, 2016-12 (CTS 16-08), 66 pp. <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2552>

### **Lime Utilization in the Laboratory, Field, and Design of Pavement Layers /**

Mostafa Elseifi and Nirmal Dhakal -- Baton Rouge, LA : Louisiana State University, Dept. of Civil and Environmental Engineering ; Louisiana Dept. of Transportation and Development, 2017-01 (FHWA/LA.16/575), 158 pp. [http://www.ltrc.lsu.edu/pdf/2017/FR\\_575.pdf](http://www.ltrc.lsu.edu/pdf/2017/FR_575.pdf)

1<sup>st</sup> Quarter 2017, Acquisitions, Page 10 of 15

### **Pavement Management Systems: Putting Data to Work /**

Kathryn A. Zimmerman -- Washington, DC : Transportation Research Board, 2017 (NCHRP Synthesis 501), various pagings <http://www.trb.org/Publications/Blurbs/175607.aspx>

### **A Proposal for Revising TxDOT Ride Specification to Account for Ride Quality Improvement /**

Jorge A. Prozzi et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (FHWA/TX-16/0-6853-1 ; 0-6853-P1, P2, and P3), 80 pp.; P1, P2, and P3: 105 PowerPoint slides <http://library.ctr.utexas.edu/ctr-publications/0-6853-1.pdf> ;  
<http://library.ctr.utexas.edu/ctr-publications/0-6853-p1p2p3.pdf>

### **Using Falling Weight Deflectometer Data with Mechanistic-Empirical Design and Analysis - Volume I: Final Report /**

Kurt D. Smith et al. -- Urbana, IL : Applied Pavement Technology, Inc. ; Washington, DC : Federal Highway Administration, 2017-03 (FHWA-HRT-16--009), 186 pp.  
<https://www.fhwa.dot.gov/publications/research/infrastructure/pavements/16009/16009.pdf>

### **Planning**

#### **Driverless Future: A Policy Roadmap for City Leaders /**

Peter Glus, Eric Rothman, Joe Iacobucci, et al. -- [s.l.] : Arcadis, Inc. ; HR&A Advisors, Inc. ; Sam Schwartz Consulting, LLC, 2017, 24 pp.  
[https://drive.google.com/file/d/0B6YBhO59Nrj\\_ejJMU3N1OEpHUKU/view](https://drive.google.com/file/d/0B6YBhO59Nrj_ejJMU3N1OEpHUKU/view)

#### **Freight Costs at the Curbside /**

Alison Conway et al. -- Troy, NY : Rensselaer Polytechnic Institute ; New York : City College of New York, University Transportation Research Center - Region 2, 2016-11, 60 pp.  
<http://www.utrc2.org/sites/default/files/Final-Report-Freight-Costs-at-Curbside.pdf>

#### **Global and Regional Sea Level Rise Scenarios for the United States /**

William V. Sweet et al. -- Silver Spring, MD : U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration (NOAA), 2017-01 (NOAA Technical Report NOS CO-OPS 083), 75 pp.  
[https://tidesandcurrents.noaa.gov/publications/techrpt83\\_Global\\_and\\_Regional\\_SLR\\_Scenarios\\_for\\_the\\_U\\_S\\_final.pdf](https://tidesandcurrents.noaa.gov/publications/techrpt83_Global_and_Regional_SLR_Scenarios_for_the_U_S_final.pdf)

#### **Highways in the River Environment: Floodplains, Extreme Events, Risk, and Resilience - Hydraulic Engineering Circular No. 17, 2nd Edition /**

Roger T. Kilgore et al. -- 2nd edition -- Denver, CO : Kilgore Consulting and Management ; Washington, DC : Federal Highway Administration, Office of Bridges and Structures, 2016-06 (FHWA-HIF-16-018), 158 pp. <http://www.fhwa.dot.gov/engineering/hydraulics/pubs/hif16018.pdf>

#### **Multimodal Public-Partnerships: A Review of the Practices of Other States and Their Application to Virginia /**

Changju Lee and John S. Miller -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-02 (FHWA/VTRC 17-R11), 67 pp.  
[http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/17-r11.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/17-r11.pdf)

1<sup>st</sup> Quarter 2017, Acquisitions, Page 11 of 15

### **A Random Utility Based Estimation Framework for the Household Activity Pattern Problem /**

Jee Eun Kang -- Buffalo, NY : University at Buffalo, Dept. of Industrial and Systems Engineering ;  
New York : City College of New York, UTRC - Region 2, 2016-06, 35 pp.

<http://www.utrc2.org/sites/default/files/Final-Report-A-Random-Utility-Based-Estimation-Framework.pdf>

### **Reforming Municipal Parking Policies to Align with Strategic Community Goals /**

Todd Litman -- [Victoria, BC], Canada : Victoria Transportation Policy Institute, 2017, 8 pp.

<http://www.vtppi.org/vpr.pdf>

### **Transportation Resilience: Adaptation to Climate Change and Extreme Weather Events - Summary of the Fourth EU-U.S. Transportation Research Symposium /**

Katherine F. Turnbull, rapporteur -- Washington, DC : Transportation Research Board, 2016 (Conference Proceedings 53), 87 pp. <http://www.trb.org/Publications/Blurbs/175488.aspx>

### **Travel Demand Forecasting - Volume 2 /**

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2564), 146 pp. <http://www.trb.org/Publications/Blurbs/175577.aspx>

## **Rail**

### **A Case Study of High Speed Rail in Florida: Implications for Financing Passenger Railways /**

James Cohen -- New York : City College of New York, University Transportation Research Center - Region 2, 2016-02, 28 pp.

<http://www.utrc2.org/sites/default/files/Final-Report-Case-Study-of-High-Speed-Rail-in-Florida.pdf>

## **Reference**

### **Pocket Guide to Transportation, 2017 /**

Bureau of Transportation Statistics -- 20th edition -- Washington, DC : U.S. Dept. of Transportation, BTS, 2017, 61 pp. <https://www.bts.gov/product/pocket-guide-transportation>

### **Transportation Geography of the United States [Map] /**

Bureau of Transportation Statistics -- 2017/2018 edition -- Washington, DC : U.S. Dept. of Transportation, BTS, 2017, folded <http://maps.bts.dot.gov/>

## **Research**

### **2016 Annual Report of Progress /**

Airport Cooperative Research Program -- Washington, DC : Transportation Research Board, 2017 (Airport Cooperative Research Program), 68 pp. <http://www.trb.org/Publications/Blurbs/175533.aspx>

### **Continuing Project to Synthesize Information on Highway Problems /**

National Cooperative Highway Research Program -- Washington, DC : Transportation Research Board, 2017 (Research Results Digest 401), 24 pp.

<http://www.trb.org/Publications/Blurbs/175531.aspx>

1<sup>st</sup> Quarter 2017, Acquisitions, Page 12 of 15



## **NCHRP 2016 Annual Report /**

National Cooperative Highway Research Program -- Washington, DC : Transportation Research Board, 2016 (National Cooperative Highway Research Program), 48 pp.  
<http://www.trb.org/Publications/Blurbs/175481.aspx>

## **Safety & Human Performance**

### **Communications and Radar-Supported Transportation Operations and Planning: Final Report /**

Michael Motro et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ;

Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (FHWA/TX-16/0-6877-1), 161 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6877-1.pdf>

### **Cooperative Adaptive Cruise Control Human Factors Study: Experiment 1 - Workload, Distraction, Arousal, and Trust /**

Vaughn W. Inman, Steven Jackson, and Brian H. Philips -- McLean, VA : Leidos, Inc. ; Federal Highway Administration, Office of Safety Research and Development, 2016-12 (FHWA-HRT-16-056), 45 pp. <http://www.fhwa.dot.gov/publications/research/safety/16056/16056.pdf>

### **Distracted Driving and Associated Crash Risks /**

Sherif Ishak et al. -- Baton Rouge, LA : Louisiana State University, Dept. of Civil and Environmental Engineering, Louisiana Transportation Research Center ; Louisiana Dept. of Transportation and Development ; College Station, TX : Texas A&M Transportation Institute, Southwest Region University Transportation Center, 2014-10 (FHWA/LA.14/530), 94 pp.  
[http://www.ltrc.lsu.edu/pdf/206/FR\\_530.pdf](http://www.ltrc.lsu.edu/pdf/206/FR_530.pdf)

### **Drugged Driving in Louisiana: Quantification of its Impact on Public Health and Implications for Legislation, Enforcement, and Prosecution /**

Helmur Schneider and Emily Pfetzer -- Baton Rouge, LA : Louisiana State University, Dept. of Information and Decision Sciences, Highway Safety Research Group ; Louisiana Dept. of Transportation and Development ; Mississippi State, MS : Mississippi State University, National Center for Intermodal Transportation for Economic Competitiveness, 2017-02 (FHWA/LA.15/576), 156 pp. [http://www.ltrc.lsu.edu/pdf/2017/FR\\_576.pdf](http://www.ltrc.lsu.edu/pdf/2017/FR_576.pdf)

### **Human Performance, User Information, and Simulation /**

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2602), 137 pp. <http://www.trb.org/Publications/Blurbs/175575.aspx>

### **National Electrical Safety Code /**

Institute of Electrical and Electronics Engineers, Inc., Accredited Standards Committee C2-2017 -- 2017 edition -- New York : IEEE, 2016, 361 pp.

### **Road Diet Toolkit [Electronic] /**

Federal Highway Administration -- Washington, DC : U.S. Dept. of Transportation, FHWA, 2017, flashdrive, contains 16 files of promotional materials

### **Safety Data, Analysis, and Evaluation /**

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2601), 152 pp. <http://www.trb.org/Publications/Blurbs/175526.aspx>

1<sup>st</sup> Quarter 2017, Acquisitions, Page 13 of 15

### **Truck Driver Fatigue Assessment Using a Virtual Reality System /**

Ayman Ali and Yusuf Mehta -- Glassboro, NJ : Rowan University ; New York : University Transportation Research Center - Region 2, 2016-10, 24 pp.  
<http://www.utrc2.org/sites/default/files/Final-Report-Truck-Driver-Fatigue-Assessment.pdf>

### **Volunteer Driver Programs in Minnesota: Benefits and Barriers /**

Frank Douma -- St. Paul, MN : Minnesota Council on Transportation Access, 2017-02, 29 pp.  
<http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2574>

## **Traffic**

### **Advancing Freeway Operations Through Strategic Research /**

Transportation Research Board, Committee on Freeway Operations -- Washington, DC : TRB, 2016-12 (Transportation Research Circular E-C218), 81 pp.  
<http://onlinepubs.trb.org/onlinepubs/circulars/ec218.pdf>

### **Development of a Transportation Real-Time Technology Readiness Framework /**

David E. Cantor, Neal Hawkins, and Neal "Skip" Foster, Jr. -- Ames, IA ; Iowa State University, Institute for Transportation, Midwest Transportation Center ; Iowa Dept. of Transportation, 2017-03 (Part of InTrans Project 13-480), 32 pp.  
[http://www.intrans.iastate.edu/research/documents/research-reports/real-time\\_tech\\_readiness\\_framework\\_w\\_cvr.pdf](http://www.intrans.iastate.edu/research/documents/research-reports/real-time_tech_readiness_framework_w_cvr.pdf)

### **Evaluation of R1-6 Gateway Treatment Alternatives for Pedestrian Crossings /**

Ron Van Houten and Janathan Hochmuth -- Kalamazoo, MI : Western Michigan University ; Lansing, MI : Michigan Dept. of Transportation, Research Administration, 2016-02 (RC-1638), 99 pp.  
[http://www.michigan.gov/documents/mdot/SPR-1638\\_552736\\_7.pdf](http://www.michigan.gov/documents/mdot/SPR-1638_552736_7.pdf)

### **Evaluation of R1-6 Gateway Treatment Alternatives for Pedestrian Crossings: Follow Up Report - Draft /**

Ron Van Houten and Janathan Hochmuth -- Kalamazoo, MI : Western Michigan University ; Lansing, MI : Road Safety Institute ; Michigan Dept. of Transportation, Research Administration, 2016-12 (RC-1643), 48 pp. [http://www.michigan.gov/documents/mdot/SPR-1643\\_552737\\_7.pdf](http://www.michigan.gov/documents/mdot/SPR-1643_552737_7.pdf)

### **Guidelines for Implementing Managed Lanes /**

Kay Fitzpatrick et al. -- Washington, DC : Transportation Research Board, 2016 (NCHRP Research Report 835), 154 pp. <http://www.trb.org/Publications/Blurbs/175082.aspx>

### **Sensing for HOV/HOT Lanes Enforcement /**

Ted Morris et al. -- Minneapolis, MN : University of Minnesota, Dept. of Computer Science ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2017-02 (MN/RC 2017-05), 64 pp. <http://www.dot.state.mn.us/research/reports/2017/201705.pdf>

### **Traffic Bottlenecks: Identification and Solutions /**

David Hale et al. -- Reston, VA : Leidos, Inc. ; McLean, VA : Federal Highway Administration, Office of Operations Research and Administration, 2016-11 (FHWA-HRT-16-064), 179 pp.  
<https://www.fhwa.dot.gov/publications/research/operations/16064/index.cfm>

1<sup>st</sup> Quarter 2017, Acquisitions, Page 14 of 15

**Traffic Flow Theory and Characteristics - Volume 2 /**

Transportation Research Board -- Washington, DC: TRB, 2016 (Transportation Research Record No. 2561), 97 pp. <http://www.trb.org/Publications/Blurbs/175525.aspx>

**Transit**

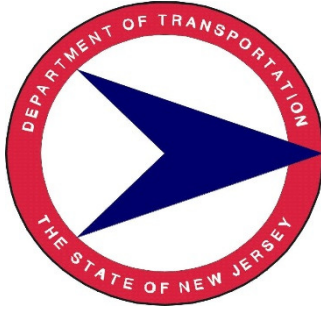
**Public Transportation - Volume 5: Planning and Parking /**

Transportation Research Board -- Washington, DC: Transportation Research Board, 2016 (Transportation Research Record No. 2543), 175 pp. <http://www.trb.org/Publications/Blurbs/175524.aspx>

**Public Transportation - Volume 6: Marketing, Fare Policy, and Transformative Data Trends /**

Transportation Research Board -- Washington, DC: TRB, 2016 (Transportation Research Record No. 2544), 149 pp. <http://www.trb.org/Publications/Blurbs/175312.aspx>

1<sup>st</sup> Quarter 2017, Acquisitions, Page 15 of 15



**NJ DEPARTMENT OF  
TRANSPORTATION RESEARCH  
LIBRARY  
*SELECTED RECENT ACQUISITIONS***

**April - June 2017**

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.nj.gov](mailto:library@dot.nj.gov) (Library, DOT) or call 609-530-5289 for these or any other publications.

**Administration and Management**

**Adopting and Adapting: States and Automated Vehicle Policy /**

Paul Lewis, Gregory Rogers, and Stanford Turner -- Washington, DC : Eno Center for Transportation, 2017-06, 34 pp. [https://www.enotrans.org/wp-content/uploads/2017/06/StateAV\\_FINAL.pdf](https://www.enotrans.org/wp-content/uploads/2017/06/StateAV_FINAL.pdf)

**The Benefits of Transportation Investment in Texas /**

David Ellis and Bill Stockton -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-02 (FHWA/TX-16/0-6806-TTI-BS2), 22 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6806-TTI-BS2.pdf>

**Guidelines for Value Engineering /**

American Association of State Highway and Transportation Officials, Subcommittee on Design 2016 and Value Engineering Technical Committee 2014 -- 4th edition -- Washington, DC : AASHTO, 2017 (Pub. Code: VE-4), 40 pp. <https://bookstore.transportation.org/login.aspx>

**Infrastructure-Friendly Vehicles to Support Texas Economic Competitiveness /**

Jorge A. Prozzi et al. -- Austin, TX ; University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (FHWA/TX-16/0-6817), 196 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6817-1.pdf>

**Peak Performance: How Denver's Peak Academy is Saving Millions of Dollars, Boosting Morale and Just Maybe Changing the World. (And How You Can Too!) /**

Brian Elms and J.B. Wogan -- Washington, DC : Governing Books, 2016 (Governing Management Series), 106 pp.

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 1 of 29

### **Reducing Costs of Purchased Transportation for State Agencies /**

Stephanie DiPetrillo, Andrea Lubin, and Michael J. Smart -- New Brunswick, NJ : Rutgers, The State University of New Jersey, Alan M. Voorhees Transportation Center ; Trenton, NJ : New Jersey Dept. of Transportation, 2016-12 (FHWA-NJ-2017-003), 127 pp.

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-006.pdf>;

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-006-TB.pdf>

### **Report to the Governor and the Legislature on New Jersey's Roadway Pavement System - Fiscal Year 2015 /**

New Jersey Department of Transportation -- Trenton, NJ : NJDOT, 2016-12 (Legislatively Mandated Reports), 31 pp. <http://www.state.nj.us/transportation/publicat/lmreports/pdf/pavementreport2015.pdf>

### **Report to the Governor and the Legislature on New Jersey's Roadway Pavement System - Fiscal Year 2016 /**

New Jersey Department of Transportation -- Trenton, NJ : NJDOT, 2016-12 (Legislatively Mandated Reports), 29 pp. <http://www.state.nj.us/transportation/publicat/lmreports/pdf/pavementreport2016.pdf>

### **Resource Allocation of Available Funding to Programs of Work /**

Chandler Duncan and Kyle Schroeckenthaler -- Washington DC : Transportation Research Board, 2017 (NCHRP Synthesis 510), 82 pp. <http://www.trb.org/Publications/Blurbs/176087.aspx>

### **Review of Asset Hierarchy Criticality Assessment and Risk Analysis Practices /**

Mohsen A. Jafari et al. -- Piscataway, NJ : Rutgers University, Center for Advanced Infrastructure and Transportation (CAIT) ; New York : MTA - New York City Transit, 2014-01, 47 pp.

<http://www.utrc2.org/sites/default/files/Final-Report-Review-of-Asset-Hierarchy-Criticality.pdf>

### **Survey of State Funding for Public Transportation - Final Report 2017 - FY 2015 Data /**

American Association of State Highway and Transportation Officials -- 11th edition -- Washington, DC : AASHTO, 2017 (Publ. Code: SSFP-11), 226 pp.

[https://bookstore.transportation.org/paid\\_publications.aspx?Action=ItemDetail&ItemID=3743&ORDER\\_ID=162342&ORDER\\_ITEM\\_ID=205873&ACCOUNT\\_ID=62432](https://bookstore.transportation.org/paid_publications.aspx?Action=ItemDetail&ItemID=3743&ORDER_ID=162342&ORDER_ITEM_ID=205873&ACCOUNT_ID=62432) - Login required: DRM00062433 - password: library

### **Transportation Agency Self-Assessment of Data to Support Business Needs: Final Research Report**

Spy Pond Partners, LLC, and Iteris, Inc. -- Washington, DC : Transportation Research Board, 2015-06 (NCHRP Web-Only Document 214), 143 pp. [http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp\\_w214.pdf](http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_w214.pdf)

## **Aviation**

### **Establishing a Coordinated Local Family Assistance Program for Airports /**

Sue Warner-Bean et al. -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 171), 142 pp. <http://www.trb.org/Publications/Blurbs/175605.aspx>

### **Green Stormwater Infrastructure - Volume 1: Primer - Volume 2: Guidebook /**

James W. Jolley et al. -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 174), in 2 volumes, 39 pp., 106 pp. <http://www.trb.org/Publications/Blurbs/176182.aspx> ;

<http://www.trb.org/Publications/Blurbs/176183.aspx>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 2 of 29

### **Guidebook for Considering Life-Cycle Costs in Airport Asset Procurement /**

John Fortin, Laith Alfaqih, and Pamela Bell -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 172), various pagings <http://www.trb.org/Publications/Blurbs/175867.aspx>

### **Guidebook for Preparing Public Notification Programs at Airports /**

Lorena de Rodriquez -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 170), 150 pp. <http://www.trb.org/Publications/Blurbs/175904.aspx>

### **Improving Pilot Weather Report Submission and Dissemination to Benefit Safety in the National Airspace System /**

National Transportation Safety Board -- Washington, DC : NTSB, 2017 (NTSB/SIR-17/02), 68 pp. <https://www.ntsb.gov/safety/safety-studies/Documents/SIR1702.pdf>

### **NextGEN for Airports: Airport Planning and Development /**

William J. Dunlay et al. -- Washington, DC : Transportation Research Board, 2017 (ACRP Report 150), 145 pp. <http://www.trb.org/Publications/Blurbs/175473.aspx>

### **Time for Reform: Delivering Modern Air Traffic Control /**

Robert Puentas and Rui Neiva -- ENO Center for Transportation, 2017 (ATC 2017), 57 pp. [https://www.enotrans.org/wp-content/uploads/2017/02/ATC\\_2017.pdf](https://www.enotrans.org/wp-content/uploads/2017/02/ATC_2017.pdf)

### **Use Potential Impacts of AFFF Containing PFASs at Airports /**

Andrew H. Thalheimer et al. -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 173), various pagings <http://www.trb.org/Publications/Blurbs/175866.aspx>

## **Bicycles and Pedestrians**

### **Breaking Barriers to Bike Share: Insights on Equity from a Survey of Bike Share System Owners and Operators /**

Steven Howland et al. -- Portland, OR : Portland State University, Transportation Research and Education Center (TREC) ; National Institute for Transportation and Communities, 2017-05 (NITC-RR-884e), 31 pp. [http://ppms.trec.pdx.edu/media/project\\_files/NITC\\_884a\\_Breaking\\_Barriers\\_Operator\\_Survey\\_gZOo3Ua.pdf](http://ppms.trec.pdx.edu/media/project_files/NITC_884a_Breaking_Barriers_Operator_Survey_gZOo3Ua.pdf)

### **Cycling Aspects of Austroads Guides /**

Samantha Taylor et al. -- 3rd edition -- Sydney, Australia : Austroads, Ltd., 2017-06 (Publication No. AP-G88-17), 203 pp. <https://www.onlinepublications.austroads.com.au/>

### **Guidebook on Pedestrian Crossings of Public Transit Rail Services /**

Kay Fitzpatrick et al. -- Washington, DC : Transportation Research Board, 2015 (TCRP Report 175), 163 pp. <http://www.trb.org/Publications/Blurbs/172320.aspx>

## **Bridges and Structures**

### **Adaptation of Road Bridges to Climate Change /**

World Road Association (PIARC), Technical Committee 4.3 - Road Bridges -- La Defense CEDEX, France: World Road Association (PIARC), 2016 (2017R03EN), 20 pp. <http://www.piarc.org> - Free registration required to download file

**A Comparison Study of One- and Two-Dimensional Hydraulic Models for River Environments /**

Evan C. Deal, A. David Parr, and C. Bryan Young -- Lawrence, KS : University of Kansas, Dept. of Civil, Environmental and Architectural Engineering ; Topeka, KS : Kansas Dept. of Transportation, Bureau of Research, 2017-05 (KS-17-02), 252 pp. plus appendix <https://trid.trb.org/View/1469554>

**Construction of Crack-Free Bridge Decks /**

David Darwin et al. -- Lawrence, KS : University of Kansas, Dept. of Civil Environmental and Architectural Engineering ; Topeka, KS : Kansas Dept. of Transportation, Bureau of Research, 2017-04 (FHWA-KS-17-01), 150 pp. <https://kdotapp.ksdot.org/kdotlib/kdotlib2.aspx>

**Design of Welded Steel Structures: Principles and Practice /**

Utpal K. Ghosh -- Boca Raton, FL : CRC Press, 2016, 244 pp.

**Design, Installation, and Condition Assessment of a Concrete Bridge Deck Constructed with ASTM A1035 CS No. 4 Bars /**

Abraham Lama Salomon and Cristopher D. Moen -- Blacksburg, VA : Virginia Polytechnic and State University, Charles E. Via, Jr. Dept. of Civil and Environmental Engineering ; Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-06 (VTRC 17-R16), 21 pp. [http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/17-r16.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/17-r16.pdf)

**Development of Predictive Model Bridge Deck Cracking: Final Report /**

Philip Pesek et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-04 (FHWA/TX-13/0-6332-2), 267 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6332-2.pdf>

**Distribution Factors for Construction Loads and Girder Capacity Equations /**

Gary R. Consolazio and Jeffrey M. Honig -- Gainesville, FL : University of Florida, Dept. of Civil and Coastal Engineering ; Tallahassee, FL : Florida Dept. of Transportation, Research Management Center, 2017-03 (FDOT BDV31-977-46), 133 pp. [http://www.fdot.gov/research/Completed\\_Proj/Summary\\_STR/FDOT-BDV31-977-46-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_STR/FDOT-BDV31-977-46-rpt.pdf)

**Drainage Identification Analysis and Mapping: Phase 2 /**

J.N. Meegoda et al. -- Newark, NJ : New Jersey Institute of Technology, Dept. of Civil and Environmental Engineering ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2017 (FHWA-NJ-2017-001), 25 pp. <http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-001.pdf> ; <http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-001-TB.pdf>

**ERRATA for G12.1, Guidelines to Design for Constructability, 2016 Edition /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Bridges and Structures, 2016 ; National Steel Bridge Alliance ; and AASHTO/NSBA Steel Bridge Collaboration -- 3rd edition -- Washington, DC : AASHTO ; [Chicago] : NBSA, 2016-12 (Publ. Code: NSBAGDC-1-E1), 15 pp. <http://downloads.transportation.org/NSBAGDC-3-Errata.pdf>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 4 of 29

**ERRATA for G2.2, Guidelines for Resolution of Steel Bridge Fabrication Errors, 2016 Edition /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Bridges and Structures, 2016 ; National Steel Bridge Alliance ; and AASHTO/NSBA Steel Bridge Collaboration -- Washington, DC : AASHTO ; [Chicago] : NSBA, 2016-12 (Publ. Code: NSBAGRSB-1-E1), 5 pp. <http://downloads.transportation.org/NSBAGRSB-1-Errata.pdf>

**Evaluation of Grouted Splice Sleeve Connections for Precast Reinforced Concrete Bridge Piers**

Chris P. Pantelides, M.J. Ameli, and Lawrence D. Reaveley -- Salt Lake City, UT : University of Utah, Dept. of Civil and Environmental Engineering, 2017-04 (MPC 17-320), 113 pp.  
<http://www.ugpti.org/resources/reports/downloads/mpc17-320.pdf>

**Evaluation of Maintenance Procedures for Bridge Spalling on Parapet Walls /**

Richard Miller, Norbert Delatte, and Sarah Mullins -- Cincinnati, OH : University of Cincinnati, Dept. of Civil and Architectural Engineering and Construction Management ; Columbus, OH : Ohio Dept. of Transportation, 2017-03 (FHWA/OH-2017-15), 40 pp.  
<http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/14753>

**Field Implementation of Fiber-Reinforced Polymer (FRP) Bridge Deck Panels /**

Jeffrey S. Volz et al. -- Norman, OK : University of Oklahoma, School of Civil Engineering and Environmental Science ; Jefferson City, MO : Missouri Dept. of Transportation (SPR), Construction and Materials Division, 2017-06 (cmr 17-008), 85 pp.  
<https://library.modot.mo.gov/RDT/reports/TR201516/cmr17-008.pdf>

**Inspection Guidelines for Bridge Post-Tensioning and Stay Cable Systems Using NDE Methods**

Stefan Hurlbaeus et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 848), various pagings <http://www.trb.org/Publications/Blurbs/176001.aspx>

**Introduction to Element Level Bridge Inspection - Participant Workbook (1-Day Version) [Looseleaf] /**

Federal Highway Administration -- Washington, DC : U.S. Dept. of Transportation, FHWA, 2014-02, various pagings

**Long-Term Bed Degradation in Maryland Streams (Phase III Part 2): Urban Streams in the Piedmont Plateau Province /**

Arthur C. Parola, Jr., Ward L. Oberholtzer, and Drew Altland -- Baltimore, MD : RK&K ; Maryland State Highway Administration, 2017-02 (MD-17-SP409B4H), 34 pp.  
[http://www.roads.maryland.gov/OPR\\_Research/MD-17-SP409B4H\\_LTBD\\_PhaseIII-Part2\\_Report.pdf](http://www.roads.maryland.gov/OPR_Research/MD-17-SP409B4H_LTBD_PhaseIII-Part2_Report.pdf)

**LRFD Tunnel Design and Construction Guide Specifications - First Edition, 2017 /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Bridges and Structures, 2016 -- Washington, DC : AASHTO, 2017 (LRFDTUN-1), 280 pp.  
<https://bookstore.transportation.org> - login needed

**Non-Destructive Testing (NDT) of a Segmental Concrete Bridge Scheduled for Demolition with a Focus on Condition Assessment and Corrosion Detection of Internal Tendons /**

Sheharyar e Rehmat et al. -- Miami, FL : Florida International University - Miami ; Tallahassee, FL : Florida Dept. of Transportation, 2017-05 (FDOT Research Project BDV29-977-05), 143 pp.  
[http://www.fdot.gov/research/Completed\\_Proj/Summary\\_MNT/FDOT-BDV29-977-05-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_MNT/FDOT-BDV29-977-05-rpt.pdf)

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 5 of 29



### **Optimization of Rib-to-Deck Welds for Steel Orthotropic Bridge Decks /**

J.M. Ocel et al. -- McLean, VA : Federal Highway Administration, Office of Infrastructure Research & Development ; Blacksburg, VA : Virginia Polytechnic Institute and State University, 2017-02 (FHWA-HRT-17-020), 124 pp.  
<https://www.fhwa.dot.gov/publications/research/infrastructure/structures/bridge/17020/17020.pdf>

### **Optimization of Thrie Beam Terminal End Shoe Connection /**

Akram Y. Abu-Odeh et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-02 (FHWA/TX-16/9-1002-15-6), 52 pp. <http://tti.tamu.edu/documents/9-1002-15-6.pdf>

### **Partial Depth Precast Concrete Deck Panels on Curved Bridges: Finite Element Analytical Model of PCPs /**

Colter Roskos et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, 2017-03 (CTR Technical Report 0-6816-P1), 22 pp.  
<http://library.ctr.utexas.edu/ctr-publications/0-6816-p1.pdf>

### **Rational Load Rating of Deck Girder Bridges with Girder End Shear Cracks in Reverse Orientation /**

Andrew Bernica and Hayder Rasheed -- Manhattan, KS : Kansas State University, Dept. of Civil Engineering ; Topeka, KS : Kansas Dept. of Transportation, Bureau of Research, 2017-04 (K-TRAN: KSU-15-2), 132 pp. <http://www.ksdot.org/Assets/wwwksdotorg/bureaus/KdotLib/KSU-15-2.pdf>

### **Repair Systems for Deteriorated Bridge Piles: Final Report /**

Mina Dawood et al. -- Houston, TX : Cullen College of Engineering, Civil and Environmental Engineering; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-04 (FHWA/TX-17/0-6731-1), 538 pp. <http://library.ctr.utexas.edu/hostedpdfs/uh/0-6731-s.pdf> ; <http://library.ctr.utexas.edu/hostedpdfs/uh/0-6731-1.pdf>

### **Specifications for the National Tunnel Inventory /**

Federal Highway Administration -- Washington, DC : FHWA, 2015-07 (FHWA-HIF-15-006), various pagings

### **Strand Debonding for Pretensioned Girders /**

Mahram M. Shahrooz et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 849), 102 pp. <http://www.trb.org/Publications/Blurbs/176163.aspx>

### **Tunnel Operations, Maintenance, Inspection, and Evaluation (TOMIE) Manual /**

William Bergeson and Steve Ernst -- Washington, DC : Federal Highway Administration, 2015-07 (FHWA-HIF-15-005), various pagings

### **Tunnel Safety Inspection - Participant Workbook /**

Thomas W. Ryan et al. -- Moon Township, PA : Michael Baker, Jr., Inc. ; Arlington, VA : Federal Highway Administration, National Highway Institute, 2016-04 (FHWA-NHI-16-002), 678 pp.

### **Ultrasonic Imaging for Concrete Infrastructure Condition Assessment and Quality Assurance /**

John S. Popovics et al. -- Urbana, IL : University of Illinois at Urbana-Champaign, Dept. of Civil and Environmental Engineering, Illinois Center for Transportation, 2017-04 (FHWA-ICT-17-007), 162 pp.  
<https://apps.ict.illinois.edu/projects/getfile.asp?id=5179>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 6 of 29

**Use of Carbon Fiber Reinforced Polymer (CFRP) with CFRP Anchors for Shear-Strengthening and Design Recommendations/Quality Control Procedures for CFRP Anchors /**

James O. Jirsa et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (FHWA/TX-16/0-6783-1), 278 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6783-1.pdf>

**Construction**

**Alternative Quality Management Systems for Highway Construction /**

Keith R. Molenaar et al. -- Washington, DC : Transportation Research Board, 2015-06 (NCHRP Web-Only Document 212), 322 pp. <http://nap.edu/22127>

**Develop Nondestructive Rapid Pavement Quality Assurance/Quality Control Evaluation Test Methods and Supporting Technology [TechSummary] /**

Bill Crockford et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-08 (FHWA/TX-16/0-6874), 2 pp. <http://tti.tamu.edu/documents/0-6874-S.pdf>

**Framework for Development of TxDOT Construction Inspector Training Program /**

Tracy Cain et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Implementation Office, 2017-02 (FHWA/TX-16/0-6806-TTI-3), 952 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6806-TTI-3.pdf>

**Energy and Environment**

**Air Quality Issues in the NEPA Process for Highway Projects /**

American Association of State Highway and Transportation Officials, Center for Environmental Excellence -- Washington, DC : AASHTO, 2017-06 (Item Code: PH18-1), 22 pp. <https://bookstore.transportation.org/login.aspx> - requires login

**Broadband Hybrid Electromagnetic and Piezoelectric Energy Harvesting from Ambient Vibrations and Pneumatic Vortices Induced by Running Subway Trains /**

Ya S. Wang -- Stony Brook, NY : Stony Brook University-State University of New York (SUNY) ; New York : City College of New York, University Transportation Research Center - Region 2, 2017-05, 19 pp. <http://www.utrc2.org/sites/default/files/Final-Report-Broadband-Hybrid-Electromagnetic-Energy.pdf>

**Carbon Footprint of Supply Chains: A Scoping Study /**

Anthony J. Craig, Edgar E. Blanco, and Christopher G. Caplice -- Washington, DC : Transportation Research Board, 2013-06 (NCFRP Web-Only Document 5) <http://nap.edu/22524>

**Charging Smart: Drivers and Utilities Can Both Benefit from Well-Integrated Electric Vehicles and Clean Energy /**

Pete O'Connor and Mike Jacobs -- Cambridge, MA : Union of Concerned Scientists (UCS), 2017-05, 39 pp. <http://www.ucsusa.org/sites/default/files/attach/2017/05/Charging-Smart-full-report.pdf>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 7 of 29

**Climate Change Indicators in the United States /**

U.S. Environmental Protection Agency -- 4th edition -- Washington, DC : USEPA, 2016-08 (EPA 430-R-16-004), 90 pp. [www.epa.gov/climate-indicators](http://www.epa.gov/climate-indicators)

**Computational Enhancement for the Virginia Department of Transportation Regional River Severe Storm (R2S2) Model /**

Mohamed M. Morsy et al. -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-05 (FHWA/VTRC 17-R18), 24 pp.  
[http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/17-r18.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/17-r18.pdf)

**Field Evaluation of Reflected Noise from a Single Noise Barrier - Phase I /**

William Bowlby et al. -- Washington, DC : Transportation Research Board, 2015-09 (NCHRP Web-Only Document 218), 429 pp. <http://nap.edu/23457>

**How Does Variation in Winter Weather Affect Deer-Vehicle Collision Rates? /**

Daniel D. Olsen et al. -- Wildlife Biology, 2015 (in Wildlife Biology, Vol. 21, (2015), pp. 80-87), 8 pp.  
<http://www.bioone.org/doi/pdf/10.2981/wlb.00043>

**How Much Do Consumers Value Fuel Economy and Performance?: Evidence from Technology Adoption /**

Benjamin Leard, Joshua Linn, and Yichen Christy Zhou -- [Washington, DC] : Resources for the Future (RFF), 2017-06, 53 pp.  
[http://www.rff.org/files/document/file/RFF-Rpt-WTP\\_FuelEconomy%26Performance.pdf](http://www.rff.org/files/document/file/RFF-Rpt-WTP_FuelEconomy%26Performance.pdf)

**Investigation of Breeding Peregrine Falcons on Virginia Bridges /**

Bryan D. Watts and Marian U. Watts -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-05 (FHWA/VTRC 17-R25), 36 pp.  
[http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/17-r25.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/17-r25.pdf)

**LTPP Climate Tool [TechBrief] /**

Federal Highway Administration -- Washington, DC : FHWA, 2017-01 (FHWA-HRT-17-011), 4 pp.

**Measurements of Pile Driving Noise from Control Piles and Noise-Reduced Piles at the Vashon Island Ferry Dock /**

Peter H. Dahl, David R. Dall'Osto, and Jim Laughlin -- Seattle, WA : University of Washington, Washington State Transportation Center (TRAC) ; Olympia, WA : Washington State Dept. of Transportation, 2017-04 (WA-RD 861.2), 38 pp.  
<http://www.wsdot.wa.gov/research/reports/fullreports/861.2.pdf>

**New Rainfall Coefficients: Including Tools for Estimation of Intensity and Hyetographs in Texas**

Theodore G. Cleveland et al. -- Lubbock, TX : Texas Tech University, Water Resources Center ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2015-08 (FHWA/TX-15/0-6824-1), 214 pp. <http://library.ctr.utexas.edu/hostedpdfs/texastech/0-6824-1.pdf>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 8 of 29

### **Review of the Research Program of the U.S. DRIVE Partnership: Fifth Report /**

National Academies of Sciences, Engineering, and Medicine; Division on Engineering and Physical Sciences; Board on Energy and Environmental Systems, Committee on the Review of the Research Program of the U.S. DRIVE Partnership, Phase 5 -- Washington, DC : National Academies Press, 2017, 204 pp. <https://www.nap.edu/download/24717#>

### **Freight / Goods Movement**

#### **Assessment of Innovative and Automated Freight Strategies and Technologies - Phase I Final Report /**

Curtis Morgan et al. -- College Station, TX : Texas A&M University System, Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-02 (FHWA/TX-17/0-6837-1), 282 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6837-1.pdf>

#### **ERRATA for Guide for Maximum Dimensions and Weights of Motor Vehicles, 5th Edition (GSW-5-UL) /**

American Association of State Highway and Transportation Officials, Subcommittee on Highway Transport -- 5th edition -- Washington, DC : AASHTO, 2017-03 (GSW-5), 2 pp. <http://downloads.transportation.org/GSW-5-Errata.pdf>

#### **Freight Planning: Innovations, Scenarios, and Environmental Justice /**

Transportation Research Board -- Washington, DC : TRB, 2017-03 (TR News No. 308 (March-April 2017)), 52 pp. <http://www.trb.org/Publications/Blurbs/176091.aspx>

#### **Guide for Conducting Benefit-Cost Analysis of Multimodal, Multijurisdictional Freight Corridor Investments /**

Sharada Vadali et al. -- Washington, DC : Transportation Research Board, 2017 (NCFRP Research Report 38), various pagings

#### **Guide for Integrating Goods and Services Movement by Commercial Vehicles in Smart Growth Environments /**

Christopher Lamm et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 844), 118 pp. <http://www.trb.org/Publications/Blurbs/175482.aspx>

#### **How Vulnerable is Texas' Freight Infrastructure to Extreme Weather Events? Final Report /**

John Walewski, Jolanda Prozzi, and Steven Polunsky -- [Austin, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2017-03 (PRC 16-62 F), 43 pp. <https://tti.tamu.edu/policy/freight/how-vulnerable-is-texas-freight-infrastructure-to-extreme-weather-events/>

#### **Identification and Evaluation of Freight Demand Factors /**

Robert West et al. -- Washington, DC : Transportation Research Board, 2011-09 (NCFRP Web-Only Document 4), 160 pp. <http://nap.edu/22820>

#### **Impacts of Freight Parking Policies in Urban Areas: The Case of New York City /**

Jose Holguin-Veras -- New York : City College of New York, UTRC, 2016-06 <http://www.utrc2.org/sites/default/files/Final-Report-Impacts-of-Freight-Parking-Policies.pdf>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 9 of 29

### **Preparing Texas' Freight Transportation System for 2055 /**

Jolanda Prozzi et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-04 (FHWA/TX-15/0-6809-1), 160 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6809-1.pdf> ; <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6809-S.pdf>

### **Truck Tolling: Understanding Industry Tradeoffs When Using or Avoiding Toll Facilities /**

Howard P. Wood -- Washington, DC : Transportation Research Board, 2012 (NCFRP Web-Only Document 3), 91 pp. <http://nap.edu/22832>

## **Geotechnical**

### **Creep Behavior of Soil Nail Walls in High Plasticity Index (PI) Soils: Technical Report /**

Marcelo Sanchez et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-04 (FHWA/TX-15/0-6784-1), 442 pp. <http://tti.tamu.edu/documents/0-6784-1>

### **Implementation of Centrifuge Testing of Expansive Soils for Pavement Design /**

Jorge G. Zornberg, Christian P. Armstrong, and Aaron Potkay -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (FHWA/TX-17/5-6048-03-1), 242 pp. <http://library.ctr.utexas.edu/ctr-publications/5-6048-03-1.pdf>

### **Interaction between Drilled Shaft and Mechanically Stabilized Earth (MSE) Wall: Technical Report /**

Jean-Louis Briaud et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-04 (FHWA/TX-15/0-6715-1), 202 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6715-1.pdf>

### **Methods to Predict Seasonal High Water Table (SHGWT) /**

William Szary -- Tallahassee, FL : Florida Dept. of Transportation, Research Center, 2017-04 (Report No. 11; FDOT Project Number BDX86), 156 pp. [http://www.fdot.gov/research/Completed\\_Proj/Summary\\_SMO/FDOT-BDX86-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_SMO/FDOT-BDX86-rpt.pdf)

### **Possibility of Sidewall Collapse of Underground Structures due to Loss of Lateral Support under Internal Blast Loading /**

Huabei Liu -- New York : City College of New York, University Transportation Research Center (UTRC) - Region 2, 2014-03, 18 pp. <http://www.utrc2.org/sites/default/files/Final-Report-Possibility-of-Sidewall-Collapse.pdf>

### **Soils: Genesis and Geomorphology /**

Randall J. Schaetzl and Michael L. Thompson -- 2nd edition -- New York : Cambridge University Press, 2015, 778 pp.

### **Update the Pile Design by CPT Software to the Incorporate Newly Developed Pile-CPT Methods and Other Design Features [TechBrief] /**

Murad Y. Abu-Farsakh -- Baton Rouge, LA : Louisiana Transportation Research Center, 2017 (LTRC Project Capsule 17-2GT), 2 pp. [http://www.ltrc.lsu.edu/pdf/2017/capsule\\_17-2GT.pdf](http://www.ltrc.lsu.edu/pdf/2017/capsule_17-2GT.pdf)

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 10 of 29

## **Highway Design**

### **Design Guidance for Channelized Right-Turn Lanes /**

Ingrid B. Potts et al. -- Washington, DC : Transportation Research Board, 2011-06 (NCHRP Web-Only Document 208), 149 pp. <http://nap.edu/22238>

### **Design of Interchange Loop Ramps and Pavement/Shoulder Cross-Slope Breaks /**

Darren J. Torbic et al. -- Washington, DC : Transportation Research Board, 2017 (Web-Only Document 227), 218 pp. <http://nap.edu/24683>

### **Estimating the Life-Cycle Cost of Intersection Designs /**

Lee A. Rodegerdts et al. -- Washington, DC : Transportation Research Board, 2015-09 (NCHRP Web-Only Document 220), 117 pp. [http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp\\_w220.pdf](http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_w220.pdf)

### **Sample Plans - 2016 /**

New Jersey Department of Transportation -- Trenton, NJ : NJDOT, 2016, 86 pp.  
<http://www.state.nj.us/transportation/eng/pdf/SamplePlans.pdf>

## **Human Resources**

### **Increasing Representation of Minorities, Females, and Underrepresented Individuals in Journey Level Jobs on Highway Construction Projects /**

Janice R. Daniel, Hindy Schachter, and David Washington -- Newark, NJ : New Jersey Institute of Technology, Dept. of Civil and Environmental Engineering ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2017-03 (FHWA-NJ-2017-004), 58 pp.  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-004.pdf> ;  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-004-TB.pdf>

## **Information Management**

### **Data Management and Governance Practices /**

Nasir Gharaibeh et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Synthesis 508), various pagings <http://www.trb.org/Publications/Blurbs/176005.aspx>

### **Development of the Digital Design Environment ProjectWise™ - Phase 1 /**

William S. Pratt -- CT : Connecticut Dept. of Transportation, Bureau of Policy and Planning, Roadway Information Systems Unit, Research Section, 2017-04 (CT-2253-F-17-4), 28 pp.  
<http://www.ct.gov/dot/lib/dot/documents/dresearch/CT-2253-F-17-4.pdf>

### **Improving Findability and Relevance of Transportation Information - Volume I: A Guide for State Transportation Agencies - Volume II: Background Research /**

Spy Pond Partners, LLC, and KAPS Group -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 846), various pagings <http://www.trb.org/Publications/Blurbs/176113.aspx>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 11 of 29

## **Intelligent Transportation Systems (ITS)**

### **Automated Vehicle Technologies Project: Vision Document Final /**

Iowa Department of Transportation -- Ames, IA : Iowa DOT ; Iowa State University ; University of Iowa, 2017-03, 29 pp. [http://www.iowadot.gov/pdf\\_files/IowaVisionDocument.pdf](http://www.iowadot.gov/pdf_files/IowaVisionDocument.pdf)

### **Beyond Speculation: Automated Vehicles and Public Policy - An Action Plan for Federal, States, and Local Policymakers /**

Paul Lewis, Gregory Rogers, and Stanford Turner -- Washington, DC : Eno Center for Transportation, 2017-05, 34 pp. [https://www.enotrans.org/wp-content/uploads/2017/04/AV\\_FINAL.pdf](https://www.enotrans.org/wp-content/uploads/2017/04/AV_FINAL.pdf)

### **Challenges to CV and AV Applications in Truck Freight Operations /**

David Fitzpatrick et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Web-Only Document 231), 90 pp. <https://www.nap.edu/download/24771#>

## **Landscape and Urban Design**

### **Common Native Roadside Wildflowers: A Roadside Field Guide for the Western Region [Pamphlet] /**

Federal Highway Administration, Office of Natural and Human Environment -- Washington, DC : U.S. Dept. of Transportation, FHWA, 2005 (FHWA-HEP-05-047), folded, laminated

### **Common Roadside Invasives: A Roadside Field Guide to Showy Herbaceous Weeds [Pamphlet] /**

Federal Highway Administration, Office of Natural Environment -- Washington, DC : U.S. Dept. of Transportation, FHWA, 2002 (FHWA-HEP-02-003), folded, laminated

### **The Course of Landscape Architecture: A History of Our Designs on the Natural World, from Prehistory to the Present /**

Christopher Girot -- New York : Thames & Hudson, 2016, 352 pp.

### **Evaluating Vegetation Management Practices for Woody and Herbaceous Vegetation /**

Jenny Gulick et al. -- Kent, OH : Davey Resource Group, a division of Davey Tree Expert Company ; Columbus, OH : Ohio Dept. of Transportation, 2017-03 (FHWA/OH-2017-16), 282 pp. <http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/14763>

### **Native Wildflowers: Roadside Signs of Hope [Brochure] /**

Federal Highway Administration -- Washington, DC : U.S. Dept. of Transportation, FHWA, 2004 (FHWA-EP-04-005), 10 pp.

### **The Nature of Roadsides and the Tools to Work With It /**

Federal Highway Administration, Office of Natural and Human Environment -- Washington, DC : U.S. Dept. of Transportation, FHWA, 2003 (FHWA-EP-03-005), 32 pp.

### **Pollinators and Roadsides: Best Management Practices for Managers and Decision Makers /**

Jennifer Hopwood, Scott Black, and Scott Fleury -- Fairfax, VA : ICF International ; Portland, OR : Xerces Society for Invertebrate Conservation ; Washington, DC : Federal Highway Administration, 2016-01 (FHWA-HEP-16-020), 96 pp. [https://www.environment.fhwa.dot.gov/ecosystems/Pollinators\\_Roadsides/BMPs\\_pollinators\\_roadsides.asp](https://www.environment.fhwa.dot.gov/ecosystems/Pollinators_Roadsides/BMPs_pollinators_roadsides.asp)

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 12 of 29

**Roadside Best Management Practices that Benefit Pollinators: Handbook for Supporting Pollinators through Roadside Maintenance and Landscape Design /**

Jennifer Hopwood, Scott Black, and Scott Fleury -- Fairfax, VA : ICT Incorporated, LLC ; Portland, OR : Xerces Society for Invertebrate Conservation ; Washington, DC : Federal Highway Administration, 2015-12 (FHWA-HEP-16-059), 88 pp.

[https://www.environment.fhwa.dot.gov/ecosystems/Pollinators\\_Roadsides/BMPs\\_pollinators\\_landscapes.pdf](https://www.environment.fhwa.dot.gov/ecosystems/Pollinators_Roadsides/BMPs_pollinators_landscapes.pdf)

**Legal Issues**

**Regulatory and Legal Review of Automated and Connected Truck Platooning Technology /**

Jason Wagner, Maarit Moran, and Mike Lukuc -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-05 (FHWA/TX-16/0-6836-WP1), 44 pp. <http://tti.tamu.edu/documents/0-6836-WP1.pdf>

**Marine / Waterways**

**Dredging Louisiana's Navigable Waterways: a Statewide Systematic Approach to Meeting Dredging Needs [TechBrief] /**

Mohan Menon -- Baton Rouge, LA : Louisiana Transportation Research Center, 2017-05 (LTRC Project Capsule 17-4SS), 2 pp. [http://www.ltrc.lsu.edu/pdf/2017/capsule\\_17-4SS.pdf](http://www.ltrc.lsu.edu/pdf/2017/capsule_17-4SS.pdf)

**Materials**

**Characterizing and Quantifying the Shrinkage Resistance of Alkali-Activated (Cement-Free) Concrete and Evaluating Potential Methods for Reducing Early-Age Cracking in Pavements and Bridges /**

Sulapha Peethamparan and Robert J. Thomas -- Potsdam, NY : Clarkson University ; New York : City College of New York, UTRC, 2015-12, 57 pp.

<http://www.utrc2.org/sites/default/files/Final-Report-Characterizing-and-Quantifying-Shrinkage-Resistance.pdf>

**Effect of Flat and Elongated Aggregate on Stone Matrix Asphalt Performance /**

Donald E. Watson and Grant Julian -- Auburn, AL : Auburn University, National Center for Asphalt Technology, 2017-04 (NCAT Report 17-03), 19 pp.

<http://eng.auburn.edu/research/centers/ncat/files/technical-reports/rep17-03.pdf>

**Evaluation of Stone-Matrix Asphalt Mixtures Containing Recycled Asphalt Shingles (RAS) /**

Stacey D. Diefenderfer -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA: Virginia Dept. of Transportation, 2017-05 (FHWA/VTRC 17-R22), 37 pp.

[http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/17-r22.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/17-r22.pdf)

**Evaluation of the AIMS2 and Micro-Deval to Characterize Aggregate Friction Properties /**

Mary Greer and Michael Heitzman -- Auburn, AL : Auburn University, National Center for Asphalt Technology, 2017-04 (NCAT Report 17-02), 64 pp.

<http://eng.auburn.edu/research/centers/ncat/files/technical-reports/rep17-02.pdf>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 13 of 29



### **Fiberglass Composite Materials Specification Redevelopment /**

Andrew J. Bechtel et al. -- Ewing, NJ : The College of New Jersey ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2017-04 (FHWA-NJ-2017-006), 95 pp., plus appendix ; 683 pp. supplemental materials

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-006.pdf> ;

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-006-TB.pdf> ;

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-006-SM.pdf>

### **Guidelines for Optimizing the Risk and Cost of Materials QA Programs /**

Hill International, Inc. et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 838), 201 pp. <http://www.trb.org/Publications/Blurbs/175209.aspx>

### **Guidelines for TxDOT in Selecting Seal Coat Materials /**

Cindy K. Estakhri and Sanjaya Sendheera -- College Station, TX : Texas A&M Transportation Institute, 2017-02 (0-6747-P1), 28 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6747-P1.pdf>

### **Laboratory and Field Studies of Photocatalytic NO<sub>x</sub> and O<sub>3</sub> Removal by Coatings on Concrete /**

Neil Crain et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03

(FHWA/TX-17/0-6636-1), 345 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6636-1.pdf>

### **Standard Specifications for Transportation Materials and Methods of Sampling and Testing, and the AASHTO Provisional Standards [Electronic] /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Materials -- April 2017 update -- Washington, DC : AASHTO, 2017-04 (Publ. Code: HM-WB1), Web-based format <http://hm.digital.transportation.org>

### **Use of Crushed Recycled Glass in the Construction of Local Roadways: Current Status of Recycled Glass Collection and Processing in the State of Ohio /**

Junliang (Julian) Tao -- Akron, OH : University of Akron ; Columbus, OH : Ohio Dept. of Transportation, Office of Statewide Planning & Research, 2017-05 (FHWA/OH-2007-19), 22 pp.

<http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/14913>

### **Validation of Hot-Poured Crack Sealant Performance-Based Guidelines /**

Imad L. Al-Qadi et al. -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-06 (FHWA/VTRC 17-R26), 72 pp.

[http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/17-r26.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/17-r26.pdf)

### **Validation of RAP and/or RAS in Hydraulic Cement Concrete: Technical Report /**

Anol Mukhopadhyay and Xijun Shi -- College Station, TX : Texas A&M University System, Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-05 (FHWA/TX-17/0-6855-1), 180 pp.

<http://tti.tamu.edu/documents/0-6855-1.pdf> ; <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6855-S.pdf> ;

<https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6855-P1.pdf> ;

<https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6855-P2.pdf>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 14 of 29

### **Variability of Ignition Furnace Correction Factors /**

Carolina Rodezno et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 847), 125 pp. <http://www.trb.org/Publications/Blurbs/175748.aspx>

### **Operations and Maintenance**

#### **Advancing Innovative High-Speed Remote-Sensing Highway Infrastructure Assessment Using Emerging Technologies: Technical Report /**

Paul Carlson et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-02 (FHWA/TX-16/0-6869-1), 384 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6869-1.pdf>

#### **Assessment of Montana Road Weather Information System (RWIS) /**

Levi Ewan and Ahmed Al-Kansy et al. -- Bozeman, MT : Montana State University, Western Transportation Institute ; Helena, MT : Montana Dept. of Transportation, 2017-01 (FHWA/MT-17-001/8229-001), 149 pp.  
[http://www.mdt.mt.gov/other/webdata/external/research/DOCS/RESEARCH\\_PROJ/RWIS\\_ASSESS/Final\\_Report.PDF](http://www.mdt.mt.gov/other/webdata/external/research/DOCS/RESEARCH_PROJ/RWIS_ASSESS/Final_Report.PDF)

#### **Develop Metrics of Tire Debris on Texas Highways: Technical Report /**

Raul E. Avelar et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-05 (FHWA/TX-16/0-6860-1), 212 pp. <http://tti.tamu.edu/documents/0-6860-1.pdf>

#### **Effective and Economical Cleaning of Pipes and Underdrains /**

William Schneider, Zachary R. Teter, and Mallory J. Crow -- Akron, OH : University of Akron ; Columbus, OH : Ohio Dept. of Transportation, 2017-03 (FHWA/OH-2017-13), 34 pp.  
<http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/14724>

#### **Effects of Tree Canopy on Rural Highway Pavement Condition, Safety, and Maintenance: Phase 1 /**

Bhaven Naik et al. -- Athens, OH : Ohio University, Dept. of Civil Engineering ; Columbus, OH : Ohio Dept. of Transportation, Office of Research and Development, 2017-02 (FHWA/OH-2017/18), 95 pp.  
<http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/14886>

#### **Guidelines for Deploying Weather Responsive Operations in TxDOT Traffic Signals /**

Kevin N. Blake et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-02 (FHWA/TX-17/0-6861-1), 178 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6861-1.pdf>

#### **Optimal Placement of Iowa DOT Maintenance Garages: Muscatine and Dubuque Case Studies /**

Jing Dong and Luning Zhang -- Ames, IA : Iowa State University, Institute for Transportation ; Iowa Dept. of Transportation, 2017-03 (InTrans Project 15-534), 103 pp.  
[http://www.intrans.iastate.edu/research/documents/research-reports/optimal\\_placement\\_of\\_Iowa\\_DOT\\_garages\\_w\\_cvr.pdf](http://www.intrans.iastate.edu/research/documents/research-reports/optimal_placement_of_Iowa_DOT_garages_w_cvr.pdf)

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 15 of 29

### **Sustainability and Climate Change Considerations in Winter Operations /**

World Road Association (PIARC), Technical Committee 2.4 - Winter Service; Anna Arvidsson et al. -- La Defense CEDEX, France: World Road Association (PIARC), 2016 (2016R31EN), 93 pp.  
<https://www.piarc.org/en/order-library/25819-en-Sustainability%20and%20Climate%20Change%20Considerations%20in%20Winter%20Operations.htm>

### **Pavements**

#### **Automated Distress Surveys: Analysis of Network-Level Data (Phase 3) /**

Michael R. Murphy -- Austin, TX : University of Texas at Austin, Center for Transportation Research, 2017-04 (0-6663-P3), 94 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6663-P3.pdf>

#### **Cracking and Debonding of Thin Fiber Reinforced Concrete Overlay /**

Min Ook Kim and AManda Christine Bordelon -- UT : University of Utah, Dept. of Civil and Environmental Engineering, 2017-04 (MPC 17-319), 55 pp.  
<http://www.ugpti.org/resources/reports/downloads/mpc17-319.pdf>

#### **Development of a Laser-based Sensor to Measure True Road Surface Deflection /**

Jorge A. Prozzi et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-04 (FHWA/TX-16/0-6873-1), 102 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6873-1.pdf> ;  
<http://library.ctr.utexas.edu/ctr-publications/0-6873-P1.pdf> ;  
<http://library.ctr.utexas.edu/ctr-publications/0-6873-P2.pdf>

#### **Environmental Impacts of Reclaimed Asphalt Pavement (RAP) /**

Yusuf Mehta et al. -- Glassboro, NJ : Rowan University, College of Engineering, Center for Research and Education in Advanced Transportation Engineering Systems (CREATEs) ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2017-05 (FHWA-NJ-2017-008), 101 pp.  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-006.pdf> ;  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-006-TB.pdf>

#### **Evaluation of Asphalt Pavement Interface Conditions for Enhanced Bond Performance /**

Reynaldo Roque et al. -- Gainesville, FL : University of Florida, Dept. of Civil and Coastal Engineering ; Tallahassee, FL : Florida Dept. of Transportation, Research Center, 2017-05 (FDOT BDV31-977-37), 161 pp. [http://www.fdot.gov/research/Completed\\_Proj/Summary\\_SMO/FDOT-BDV31-977-37-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_SMO/FDOT-BDV31-977-37-rpt.pdf)

#### **Friction Management on Kansas Department of Transportation Highways /**

Humaira Zahir, Shuvo Islam, and Mustaque Hossain -- Manhattan, KS : Kansas State University Transportation Center, Dept. of Civil Engineering ; Topeka, KS : Kansas Dept. of Transportation, Bureau of Research, 2017-04 (K-TRAN: KSU-14-5), 106 pp.  
<http://www.ksdot.org/Assets/wwwksdotorg/bureaus/KdotLib/KSU-14-5.pdf>

#### **Hamburg Wheel-Track Test Equipment Requirement and Improvements to AASHTO T 324**

Louay N. Mohmmad et al. -- Washington, DC : Transportation Research Board, 2015-09 (NCHRP Web-Only Document 219), 89 pp. <https://www.nap.edu/download/21931#>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 16 of 29

### **Local Roads Surface Selection Tool - Technical Report /**

Andrew Wrucke, Brad Wentz, and Kimberly Vachal -- Fargo, ND : North Dakota State University, Upper Great Plains Transportation Institute, 2017- 0 (Department Publication No. 293), 86 pp.  
<http://www.ugpti.org/resources/reports/downloads/dp-293.pdf>

### **Long-Term Field Performance of Warm Mix Asphalt Technologies /**

Washington State University, Pennsylvania State University - Altoona, Louisiana Transportation Research Center -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 843), 116 pp. <http://www.trb.org/Publications/Blurbs/175750.aspx>

### **Long-Term Pavement Performance Bind Online [TechBrief] /**

Turner-Fairbank Highway Research Center -- Product Brief -- McLean, VA : Federal Highway Administration, TFHRC, 2017-03 (FHWA-HRT-17-009), 4 pp.  
<https://www.fhwa.dot.gov/publications/research/infrastructure/pavements/ltp/17009/17009.pdf>

### **Pavement Performance Measures and Forecasting and the Effects of Maintenance and Rehabilitation Strategy on Treatment Effectiveness /**

Gilbert Y. Baladi et al. -- East Lansing, MI : Michigan State University, Dept. of Civil Engineering ; McLean, VA : Federal Highway Administration, 2017-01 (FHWA-HRT-16-017), 310 pp.

### **Precision and Bias Statements for AASHTO Standard Methods of Test TP 98 and TP 99**

Elliott Dick et al. -- Washington, DC : Transportation Research Board, 2015-10 (NCHRP Web-Only Document 217), 130 pp. [http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp\\_w217.pdf](http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_w217.pdf)

### **Public Satisfaction Survey of High Friction Surface Treatment /**

Lance C. Gentry -- Rolla, MO : Heartland Market Research ; Jefferson City, MO : Missouri Dept. of Transportation, Construction and Materials Division, 2017-03 (Cmr 17-005), 45 pp.  
<https://library.modot.mo.gov/RDT/reports/TR201620/cmr17-005.pdf>

### **Roller Compacted Concrete over Soil Cement under Accelerated Loading /**

Zhong Wu, Tyson Rupnow, and Molnul I. Mahdi -- Baton Rouge, LA : Louisiana State University, Dept. of Civil and Environmental Engineering ; Louisiana Dept. of Transportation and Development, 2017-06 (FHWA/LA.16/578), 108 pp. [http://www.ltrc.lsu.edu/pdf/2017/FR\\_578.pdf](http://www.ltrc.lsu.edu/pdf/2017/FR_578.pdf) ;  
[http://www.ltrc.lsu.edu/pdf/2017/ts\\_578.pdf](http://www.ltrc.lsu.edu/pdf/2017/ts_578.pdf)

### **Texas Flexible Pavements and Overlays: Interim Report for Phases II and III - Data Collection and Model Calibration /**

Sang Ick Lee et al. -- College Station, TX : Texas A&M Transportation Institute ; El Paso, TX University of Texas at El Paso , Center for Transportation Infrastructure Systems ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-05 (FHWA/TX-15/0-6658-2), 100 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6658-2.pdf>

### **Texas Flexible Pavements and Overlays: Year 5 Report - Complete Data Documentation /**

Lubinda F. Walubita et al. -- College Station, TX : Texas A&M Transportation Institute ; El Paso, TX : University of Texas at El Paso, Center for Transportation Infrastructure Systems ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-05 (FHWA/TX-15/0-6658-3), 106 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6658-3.pdf>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 17 of 29

### **Validation of Asphalt Mixture Pavement Skid Prediction Model and Development of Skid Prediction Model for Surface Treatments /**

Arif Chowdhury et al. -- College Station, TX : Texas A&M University System, Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-04 (FHWA/TX-17/0-6746-01-1), 170 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6746-01-1.pdf> ;  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6746-01-S.pdf>

### **Planning**

#### **(Re)Building Downtown: A Guidebook for Revitalization /**

Smart Growth America -- Washington, DC : Smart Growth America, 2015-12, 35 pp.  
<https://smartgrowthamerica.org/app/uploads/2016/08/rebuilding-downtown-1.pdf>

#### **The Best Complete Streets Policies of 2016 /**

Smart Growth America, National Complete Streets Coalition -- Washington, DC : Smart Growth America, 2017-06, 45 pp.  
<https://smartgrowthamerica.org/app/uploads/2017/06/best-complete-streets-policies-of-2016-1.pdf>

#### **Building Resilient States: A Framework for Agencies /**

Governors' Institute on Community Design -- Washington, DC : Smart Growth America, 2015-10, 28 pp.  
<https://www.smartgrowthamerica.org/app/legacy/documents/building-resilient-states.pdf>

#### **Building Resilient States: Profiles in Action /**

Governors' Institute on Community Design -- Washington, DC : Smart Growth America, 2017-05, 47 pp.  
<https://smartgrowthamerica.org/app/uploads/2017/05/building-resilient-states-profiles-in-action.pdf>

#### **Creation of impacTX: Improved Mobility Plan for Advancing Connected Transportation /**

Kristen Chin, Andrea Gold, and C. Michael Walton -- Austin, TX : University of Texas at Austin, Center for Transportation ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (FHWA/TX-17/0-6902-1), 74 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6902-1.pdf>

#### **Data Visualization Methods for Transportation Agencies /**

Nathan Higgins et al. -- Washington, DC : National Academies Press ; American Association of State Highway and Transportation Officials (AASHTO) ; Federal Highway Administration, 2016-08 (NCHRP Web-Only Document 226), 75 pp. <https://www.nap.edu/download/24755#>

#### **Decision-Making Toolbox to Plan and Manage Park-and-Ride Facilities for Public Transportation: Research Report and Transit Agency Case Studies /**

Linda K. Cherrington et al. -- Washington, DC : Transportation Research Board, 2017-01 (TCRP Web-Only Document 69), 513 pp. <https://www.nap.edu/download/24820#>

#### **Disaster Resilience: A National Imperative /**

National Academy of Sciences Committee on Increasing National Resilience to Hazards and Disasters, Committee on Science, Engineering, and Public Policy -- Washington, DC : National Academies Press, 2012, 260 pp.

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 18 of 29

**Do Suburban Residents Want to Pay for Wide Streets? A Survey on Consumer Performance and Ability to Afford towards Wide Street and On-Street Parking in American Suburban /**

Yiwen Kuai and Zhan Guo -- New York : New York University, Wagner School of Public Service, University Transportation Research Center - Region 2, 2016-08, 38 pp.  
<http://www.utrc2.org/sites/default/files/Final-Report-Willingness-to-Pay.pdf>

**Evaluating Complete Streets Projects: A Guide for Practitioners /**

Stefanie Seskin, Hanna Kite, and Laura Searfoss -- Washington, DC : Smart Growth America, National Complete Streets Coalition ; AARP Government Affairs, State Advocacy & Strategy Integration, 2015-04, 49 pp.  
<https://www.smartgrowthamerica.org/app/legacy/documents/evaluating-complete-streets-projects.pdf>

**Evaluation of the New Jersey Access Code Desirable Typical Sections - Smart Growth I-Team Discussion [Electronic] /**

Tom Houck, Jim Lewis, and Danielle Graves -- Trenton, NJ : NJ Dept. of Transportation, 2017-05, 35 PowerPoint slides

**An Expanded Functional Classification System for Highways and Streets /**

Nikiforos Stamatiadis et al. -- Washington, DC : Transportation Research Board, 2017 (pre-publication draft of NCHRP Report 855), 93 pp. <http://nap.edu/24775>

**Feasibility Assessment for Battery Electric Vehicles based on Multi-Day Activity-Travel Patterns /**

Anpeng Zhang, Jee Eun Kang, and Changhyun Kwon -- Buffalo, NY : University at Buffalo, State University of New York ; New York : City College of New York, UTRC, 2017-04, 40 pp.  
<http://www.utrc2.org/sites/default/files/Final-Report-Feasibility-Assessment-for-Battery-Electric-Vehicles.pdf>

**Highway Boondoggles 3: Big Projects. Bigger Price Tags. Limited Benefits. /**

Tony Dutzik et al. -- Frontier Group ; U.S. PIRG Education Fund, 2017-04, 57 pp.  
[http://uspig.org/sites/pirg/files/reports/US\\_Boondoggles3\\_screen\\_v5.pdf](http://uspig.org/sites/pirg/files/reports/US_Boondoggles3_screen_v5.pdf)

**Integrating Real-Time GIS and Social Media for Qualitative Transportation Data Collection /**

Hongmian Gong and Carsten Kessler -- New York : Hunter College ; City College of New York, University Transportation Research Center - Region 2, 2016-12, 19 pp.  
<http://www.utrc2.org/sites/default/files/Final-Report-Integrating-Real-time-GIS-and-Social-Media.pdf>

**Linking People and Places: New Ways of Understanding Spatial Access in Cities /**

Nicolas Wagner and Philippe Crist et al. -- Paris CEDEX 16, France : Organisation for Economic Co-operation and Development (OECD), International Transport Forum (ITF), Corporate Partnership Board (CPB), 2017, 67 pp.  
<https://www.itf-oecd.org/sites/default/files/docs/linking-people-places-spatial-access.pdf>

**Measuring Remoteness and Accessibility - A Set of Indices for Canadian Communities /**

Alessandro Alasia et al. -- Canada : Statistics Canada, 2017-05 (Catalogue no. 18-001-X), 43 pp.  
<http://www.statcan.gc.ca/pub/18-001-x/18-001-x2017002-eng.pdf>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 19 of 29

**Physical Activity: Built Environment Approaches Combining Transportation System Interventions with Land Use and Environmental Design - Task Force Finding and Rationale Statement Ratified December 2016 /**

Community Preventive Services Task Force -- [Washington, DC] : U.S. Centers for Disease Control (CDC), Community Preventive Services Task Force, 2017-04, 13 pp.  
<https://www.thecommunityguide.org/sites/default/files/assets/PA-Built-Environments.pdf>

**Quantitative Analysis of Residential Parking Intrusions by Passenger Vehicles in New York City**

Zhan Guo and Jiahao Zhou -- New York : NYU Wagner School of Public Policy ; City College of New York, University Transportation Research Center, 2017-05, 27 pp.  
<http://www.utrc2.org/sites/default/files/Final-Report-Quantitative-Analysis.pdf>

**SmartTrips Ithaca: Encouraging Sustainable Transportation Options Through a Personalized Educational Campaign /**

Jennifer Dotson et al. -- Albany, NY : New York State Energy Research and Development Authority ; New York State Dept. of Transportation, 2017-03 (NYSERDA Report 16-34), 118 pp.  
<https://www.nyserda.ny.gov/-/media/Files/Publications/Research/Transportation/16-34-SmartTrips-Final-Report.pdf>

**Three Revolutions in Urban Transportation: How to Achieve the Full Potential of Vehicle Electrification, Automation and Shared Mobility in Urban Transportation Systems Around the World by 2050 /**

Lew Fulton, Jacob Mason, and Dominique Meroux -- Davis, CA : UC Davis, Sustainable Transportation Energy Pathways of the Institute of Transportation Studies ; Institute for Transportation & Development Policy, 2017, 41 pp. <https://steps.ucdavis.edu/wp-content/uploads/2017/05/ITDP-3R-Report-v6.pdf>

**Transportation Conformity: A Basic Guide for State & Local Officials /**

Federal Highway Administration -- Washington, DC : U.S. Dept. of Transportation, FHWA, 2017-02 (FHWA-HEP-17-034), 24 pp.  
[https://www.fhwa.dot.gov/environment/air\\_quality/conformity/2017\\_guide/fhwahep17034.pdf](https://www.fhwa.dot.gov/environment/air_quality/conformity/2017_guide/fhwahep17034.pdf)

**Transportation Planning Implications of Automated/Connected Vehicles on Texas Highways /**

Thomas Williams et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-04 (FHWA/TX-16/0-6848-1), 232 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6848-1.pdf> ; <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6848-S.pdf>

**What Affects Millennials' Mobility? PART II: The Impact of Residential Location, Individual Preferences and Lifestyles on Young Adults' Travel Behavior in California /**

Giovanni Circella et al. -- Davis, CA : University of California-Davis, Institute for Transportation Studies ; National Center for Sustainable Transportation, 2017-03, 93 pp.  
<http://www.trb.org/main/blurbs/176078.aspx>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 20 of 29

## **Rail**

### **Audit Report: FRA has Taken Steps to Improve Safety Data Reporting but Lacks Standard Procedures and Training for Compliance Audits /**

Barry J. DeWeese -- Washington, DC : Office of Inspector General, 2017-05 (Report No. ST2017045), 20 pp. <https://www.oig.dot.gov/sites/default/files/FRA%20Safety%20Data%20Report%5EMay%203%202017.pdf>

## **Reference**

### **The Who's Who in Building & Construction - Northern New Jersey /**

Blue Book Network -- [Jefferson Valley, NY] : Contractors Register, Inc., 2017- S (The Who's Who in Building & Construction), 254 pp.

### **The Who's Who in Building & Construction - Southern & Central New Jersey /**

Blue Book Network -- [Jefferson Valley, NY] : Contractors Register, Inc., 2017- S (The Who's Who in Building & Construction), 237 pp.

## **Research**

### **Preparing Papers for Peer Review and Presentation at the TRB Annual Meeting /**

Transportation Research Board, Publications Office -- Updated April 10, 2017 -- Washington, DC : TRB, 2017-04, 20 pp. <http://onlinepubs.trb.org/onlinepubs/AM/InfoForAuthors.pdf>

## **Safety & Human Performance**

### **2016 Pedestrian Safety Education and Enforcement Campaign - Report & Campaign Results**

North Jersey Transportation Planning Authority -- Newark, NJ : NJTPA, 2017, 24 pp. [http://bestreetsmartnj.org/wp-content/uploads/2016/02/SSNJ\\_Summary2016\\_final.pdf](http://bestreetsmartnj.org/wp-content/uploads/2016/02/SSNJ_Summary2016_final.pdf)

### **Alcohol-Related Hot-Spot Analysis and Prediction /**

William H. Schneider IV, Brandon Stakleff, and Lauren Buser -- Akron, OH : University of Akron, Dept. of Civil Engineering ; Minneapolis, MN : University of Minnesota, Center for Transportation Studies, Roadway Safety Institute, 2017-05 (CTS 17-04), 140 pp. <http://www.trb.org/main/blurbs/176193.aspx>

### **Automated and Connected Vehicle (AV/CV) Test Bed to Improve Transit, Bicycle, and Pedestrian Safety: Technical Report /**

Katherine F. Turnbull et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-02 (FHWA/TX-17/0-6875-1), 132 pp. <http://tti.tamu.edu/documents/0-6875-1.pdf>

### **Cable Median Barrier Failure Analysis and Remediation Phase II /**

Cody S. Stolle et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Nebraska Dept. of Roads, Midwest States Regional Pooled Fund Program, 2013-06 (TRP-03-319-13), 240 pp.

### **Communications Worker Credentialing Requirements /**

Cristian Druta and Andrew Alden -- Washington, DC : Transportation Research Board, 2016-09 (NCHRP Web-Only Document 232), 41 pp. <https://www.nap.edu/download/24794#>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 21 of 29



**Comparing Countermeasures for Mitigating Wrong-Way Entries onto Limited Access Facilities /**

Raj Ponnaluri et al. -- Tampa, FL : University of South Florida, Center for Urban Transportation (CUTR); Tallahassee, FL : Florida Dept. of Transportation, 2017-03 (FDOT BDV25-977-29), 176 pp.  
[http://www.fdot.gov/research/Completed\\_Proj/Summary\\_TE/FDOT-BDV25-977-29-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_TE/FDOT-BDV25-977-29-rpt.pdf)

**Crash Records Collection Policy Examination and Best Practices Review /**

Chris Titze and Whitney Faron -- New York ; Cambridge Systematics, Inc. ; Trenton, NJ : New Jersey Dept. of Transportation, 2017-05 (NJ-2017-001), 55 pp.  
<http://www.state.nj.us/transportation/refdata/research/reports/NJ-2017-001.pdf> ;  
<http://www.state.nj.us/transportation/refdata/research/reports/NJ-2017-001-TB.pdf>

**Crash Testing and Evaluation of Multiple Mailbox Supports For Use With Locking Architectural Mailboxes /**

Chiara Silvestri Dobrovolny, Roger P. Bligh, and Wanda L. Menges -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-02 (FHWA/TX-16/9-1002-15-7), 154 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/9-1002-15-7.pdf>

**Distracted Driving 2015 /**

National Highway Traffic Safety Administration, National Center for Statistics and Analysis -- Washington, DC : U.S. Dept. of Transportation, NHTSA, 2017-03 (DOT HS 812 381), 6 pp.  
<https://crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/812381>

**Drug-Impaired Driving: A Guide for States /**

James Hedlund -- Washington, DC : Governors Highway Safety Association (GHSA), 2017-04, 56 pp.  
[http://www.ghsa.org/sites/default/files/2017-04/GHSA\\_DruggedDriving2017\\_FINAL.pdf](http://www.ghsa.org/sites/default/files/2017-04/GHSA_DruggedDriving2017_FINAL.pdf)

**Emergency Exit Signs and Marking Systems for Highway Tunnels /**

Laura Higgins et al. -- Washington, DC : Transportation Research Board, 2015-08 (NCHRP Web-Only Document 216), 91 pp. [http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp\\_w216.pdf](http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_w216.pdf)

**Estimating Lives Saved by Electronic Stability Control, 2011-2015 [Fact Sheet] /**

National Highway Traffic Safety Administration, National Center for Statistics and Analysis -- Washington, DC : U.S. Dept. of Transportation, NHTSA, 2017-03 (DOT HS 812 391), 4 pp.

**Evaluating Road Delineation Practices in Michigan: Final Report /**

Andrew Ceifetz et al. -- Novi, MI : Opus International Consultants, Inc. ; Lansing, MI : Michigan Dept. of Transportation, Research Administration, 2017-03 (RC 1646), 118 pp.  
[http://www.michigan.gov/documents/mdot/SPR1646\\_557606\\_7.pdf](http://www.michigan.gov/documents/mdot/SPR1646_557606_7.pdf)

**Evaluation of Floorplan Tearing and Cable Splices for Cable Barrier Systems /**

Scott K. Rosenbaugh et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Nebraska Dept. of Roads, Midwest States Regional Pooled Fund Program, 2017-05 (TRP-03-324-17), 212 pp.

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 22 of 29

**Evaluation of Responsible Beverage Service to Reduce Impaired Driving by 21- to 34-Year-Old Drivers /**

National Highway Traffic Safety Administration -- Washington, DC : NHTSA, 2017-04 (DOT HS 812 398), 89 pp.  
[https://www.nhtsa.gov/sites/nhtsa.dot.gov/files/documents/13009\\_servingyoungdriversreport\\_041217\\_v2-tag.pdf](https://www.nhtsa.gov/sites/nhtsa.dot.gov/files/documents/13009_servingyoungdriversreport_041217_v2-tag.pdf)

**Examining the Feasibility of Alcohol Ignition Interlocks for Motorcycles [TechSummary] /**

National Highway Traffic Safety Administration -- Washington, DC : NHTSA, 2017-05 (DOT HS 812 406), 2 pp.  
[https://www.nhtsa.gov/sites/nhtsa.dot.gov/files/documents/812406\\_ttalcoholinterlocksformotorcycles.pdf](https://www.nhtsa.gov/sites/nhtsa.dot.gov/files/documents/812406_ttalcoholinterlocksformotorcycles.pdf)

**Factors Influencing Seatbelt Utilization in Louisiana and Strategies to Improve Usage Rate /**

Helmut Schneider et al. -- Baton Rouge, LA : Louisiana State University, Dept. of ISDS and Marketing ; Louisiana Dept. of Transportation and Development, 2017-04 (FHWA/LA..16/572), 173 pp.  
[http://www.ltrc.lsu.edu/pdf/2017/FR\\_572.pdf](http://www.ltrc.lsu.edu/pdf/2017/FR_572.pdf)

**First International Roadside Safety Conference: Safer Roads, Saving Lives, Saving Money /**

Transportation Research Board -- Washington, DC : TRB, 2017-06 (Transportation Research Circular E-C220), 852 pp. <http://www.trb.org/main/blurbs/176212.aspx>

**Guide for Quantitative Approaches to Systemic Safety Analysis - Interim Report /**

MRIGlobal -- Washington, DC : National Research Council, Transportation Research Board, National Cooperative Highway Research Program, 2017-06, various pagings

**Guidelines for the Application of Crossing Solutions at Roundabouts and Channelized Turn Lanes for Pedestrians with Vision Disabilities /**

Bastian Schroeder et al. -- Washington, DC ; Transportation Research Board, 2014 (NCHRP Web-Only Document 222), 350 pp. <http://nap.edu/2463>

**Highway Worker Safety /**

John A. Gambatese, David Hurwitz, and Zachary Barlow -- Washington, DC : Transportation Research Board, 2017 (NCHRP Synthesis 509), 149 pp. <http://www.trb.org/Publications/Blurbs/176006.aspx>

**Increased Span Length for the MGS Long-Span Guardrail System - Part II: Full-Scale Crash Testing /**

Dylan T. Meyer, John D. Reid, Karla A. Lechtenberg, and Robert W. Bielenberg, -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Nebraska Dept. of Roads, Midwest States Pooled Fund Program, 2017-04 (TRP-03-339-17), 226 pp.

**Length of Need and Minimum System Length for F-Shape Portable Concrete Barrier /**

Robert W. Bielenberg et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Nebraska Dept. of Roads ; Ames, IA : Iowa Dept. of Transportation, Smart Work Zone Deployment Initiative, print (TRP--03-337-17), 225 pp.

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 23 of 29

**Leveraging the Second Strategic Highway Research Program Naturalistic Driving Study: Examining Driver Behavior when Entering Rural High-Speed Intersections /**

Steven Jackson -- McLean, VA : Leidos, Inc. ; Federal Highway Administration, Office of Safety Research and Development, 2017-04 (FHWA-HRT-17-016), 49 pp.  
<https://crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/812391>

**LS-DYNA Modeling Enhancement Support /**

John D. Reid, Robert W. Bielenberg, and Chaz Ginger -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety facility (MwRSF) ; Nebraska Dept. of Roads, Midwest States Pooled Fund Program, 2017-04 (TRP-03-357-17), 80 pp.

**MASH Evaluation of TxDOT High-Mounting-Height Temporary Work Zone Sign Support System/**

Chiara S. Dobrovoly et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-02 (FHWA/TX-16/9-1002-15-8), 170 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/9-1002-15-8.pdf>

**MASH Test No. 3-10 of a Non-Proprietary, High-Tension Cable Median Barrier for Use in 6H:1V V-Ditch (Test No. MWP-8) /**

Dylan T. Meyer et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Nebraska Dept. of Roads, Midwest States Regional Pooled Fund Program, 2017-05 (TRP-03-331-17), 173 pp.

**MASH TL-4 Evaluation of the TxDOT Type C2P Bridge Rail /**

William F. Williams et al. -- College Station, TX : Texas A&M Transportation Institute Proving Ground ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-02 (FHWA/TX-17/9-1002-15-2), 154 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/9-1002-15-2.pdf>

**Passenger Vehicles - 2015 Data /**

National Highway Traffic Safety Administration, National Center for Statistics and Analysis -- Washington, DC : U.S. Dept. of Transportation, NHTSA, 2017 (DOT HS 812 413), 13 pp.  
<https://crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/812413>

**Powered Two- and Three- Wheeler Safety: A Road Safety Manual for Decision-Makers and Practitioners /**

World Health Organization -- Geneva, Switzerland : WHO, 2017, 108 pp.  
<http://apps.who.int/iris/bitstream/10665/254759/1/9789241511926-eng.pdf>

**A Probability-Based Approach for Assessment of Roadway Safety Hardware /**

Qian Wang and Hongbing Fang -- Bronx, NY : Manhattan College, Dept. of Civil and Environmental Engineering ; Charlotte, NC : University of North Carolina-Charlotte, Dept. of Mechanical Engineering and Engineering Science ; New York : City College of New York, University Transportation Research Center (UTRC) - Region 2, 2017-03, 48 pp. <http://www.utrc2.org/sites/default/files/Final-Report-A-Probability-Based-Approach-Roadway-Safety.pdf>

**Rates of Motor Vehicle Crashes, Injuries, and Deaths in Relation to Driver Age, United States, 2014 - 2015 [TechBrief] /**

American Automobile Association, Foundation for Traffic Safety -- Washington, DC : AAA, 2017, 5 pp.  
<http://www.trb.org/main/blurbs/176201.aspx>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 24 of 29

### **Rural/Urban Comparison of Traffic Fatalities - 2015 Data /**

National Highway Traffic Safety Administration, National Center for Statistics and Analysis -- Washington, DC : NHTSA, 2017-04 (DOT HS 812 393), 7 pp.  
<https://crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/812393>

### **Safety Benefits of Highway Infrastructure Investments /**

Douglas W. Harwood et al. -- Washington, DC : AAA Foundation for Traffic Safety, 2017-05, 143 pp.  
<https://www.aaafoundation.org/sites/default/files/Report.pdf>

### **Safety Impacts of Reduced Visibility in Inclement Weather /**

Subasish Das et al. -- College Station, TX : Texas A&M University System, Texas A&M Transportation Institute ; Ann Arbor, MI : Advancing Transportation Leadership and Safety (ATLAS) Center, 2017 (ATLAS-2017-19), 61 pp. [http://www.atlas-center.org/wp-content/uploads/2017/04/SafetyImpacts\\_VisibilityWeather\\_FinalReport.pdf](http://www.atlas-center.org/wp-content/uploads/2017/04/SafetyImpacts_VisibilityWeather_FinalReport.pdf)

### **Seat Belt Use in 2016 - Use Rates in the States and Territories /**

National Highway Traffic Safety Administration -- Washington, DC : U.S. Dept. of Transportation, NHTSA, 2017 (DOT HS 812 417), 2 pp.  
<https://crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/812417>

### **Strategies for Effective Roundabout Approach Speed Reduction /**

Marcus Brewer, Tomas Lindheimer, and Susan Chrysler -- College Station, TX : Texas A&M Transportation Institute ; St. Paul, MN : Minnesota Dept. of Transportation, Minnesota Local Road Research Board, 2017-05 (MN/RC 2017-14), 100 pp.  
<http://dot.state.mn.us/research/reports/2017/201714.pdf>

### **A Study of the Traffic Safety at Reduced Conflict Intersections In Minnesota /**

Derek Leuer and Katie Fleming -- St. Paul, MN : Minnesota Dept. of Transportation, Office of Traffic, Safety and Technology, 2017-05, 42 pp.  
<http://www.dot.state.mn.us/roadwork/rci/docs/trafficsafetyatrcistudy.pdf>

### **Testing and Evaluation of MASH TL-3 Transition Between Guardrail and Portable Concrete Barriers /**

Robert W. Bielenberg et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Nebraska Dept. of Roads ; Ames, IA : Iowa Dept. of Transportation, Smart Work Zone Deployment Initiative, 2017-05 (TRP--03-333-17), 282 pp.

### **Traffic Safety Facts 2015: A Compilation of Motor Vehicle Crash Data from the Fatality Analysis Reporting System and the General Estimates System /**

National Highway Traffic Safety Administration, National Center for Statistics and Analysis -- Washington, DC : U.S. Dept. of Transportation, NHTSA, 2017-04 (DOT HS 812 384), 238 pp.  
<https://crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/812384>

### **Why Drivers Use Cell Phones and Support Legislation to Restrict This Practice /**

David M. Sanbonmatsu et al. -- Salt Lake City, Utah : University of Utah, Mountain-Plains Consortium, 2017-04 (MPC 17-323), 31 pp. <http://www.ugpti.org/resources/reports/downloads/mpc17-323.pdf>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 25 of 29

**Wildlife and Roads: A Resource for Mitigating the Effects of Roads on Wildlife Using Wildlife Crossings such as Overpasses, Underpasses, and Crosswalks [Electronic] /**

John A. Bissonette, Patricia C. Cramer, et al. -- Logan, UT : U.S. Geological Survey ; Utah State University, Logan ; Utah Cooperative Fish and Wildlife Research Unit, 2008-?, internet resource <http://www.wildlifeandroads.org>

**Worker Safety Issues of Wi-Fi Devices /**

Allen Katz, Joseph Jesson, and Thomas M. Brennan -- Ewing, NJ : College of New Jersey ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2016--1 (FHWA-NJ-2017-007), 48 pp. <http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-007.pdf> ; <http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-007-TB.pdf>

**Security**

**Protection of Transportation Infrastructure from Cyber Attacks: A Primer /**

Countermeasures Assessment and Security Experts, LLC, et al. -- Washington, DC ; Transportation Research Board, 2016 (NCHRP Web-Only Document 221), 183 pp. <https://doi.org/10.17226/23516>

**Traffic**

**400 South Corridor Assessment /**

Milan Zlatkovic et al. -- North Dakota : Mountain Plains Consortium, 2017-03 (MPC 17-318), 401 pp. <http://www.ugpti.org/resources/reports/downloads/mpc17-318.pdf>

**Concept of Operations and Policy Implications for Unmanned Aircraft Systems Use for Traffic Incident Management (UAS-TIM) /**

Charles R. Stevens, Jr. -- Austin, TX : Texas A&M Transportation Institute, 2017-03 (PRC 15-69F), 48 pp. <https://tti.tamu.edu/policy/congestion/operations-and-policy-implications-for-unmanned-aircraft-systems-for-traffic-incident-management/>

**Development of an Optimal Ramp Metering Control Strategy for I-12 /**

Sherif Ishak et al. -- Baton Rouge, LA : Dept. of Civil and Environmental Engineering, Louisiana State University ; Louisiana Dept. of Transportation and Development, 2017-03 (FHWA/LA.15/570), 121 pp. [http://www.ltrc.lsu.edu/pdf/2017/FR\\_570.pdf](http://www.ltrc.lsu.edu/pdf/2017/FR_570.pdf)

**Development of Guidelines for Ramp Metering Implementation and Performance Evaluation on I-12 [TechBrief] /**

Sherif Ishak et al. -- Baton Rouge : Louisiana Transportation Research Center, 2017-05 (LTRC Project Capsule 17-5SS), 2 pp. [http://www.ltrc.lsu.edu/pdf/2017/capsule\\_17-5SS.pdf](http://www.ltrc.lsu.edu/pdf/2017/capsule_17-5SS.pdf)

**Evaluation of Adaptive Signal Control Technology - Volume 1: Before-Conditions Data Collection and Analysis /**

Mohammed Abdul Rawoof Shaik, Xueying Liu, and Rahim F. Bengohai -- Urbana, IL : University of Illinois at Urbana-Champaign, Dept. of Civil and Environmental Engineering, Illinois Center of Transportation ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2017-04 (FHWA-ICT-17-008), 67 pp. <https://apps.ict.illinois.edu/projects/getfile.asp?id=5181>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 26 of 29

### **Feasibility of Lane Closures Using Probe Data /**

Steven Chen et al. -- Newark, NJ : New Jersey Institute of Technology, Dept. of Civil and Environmental Engineering ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2017-04 (FHWA-NJ-2017-005), 105 pp.

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-005.pdf> ;

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-005-TB.pdf>

### **Framework and Guidelines for the Development of a Twin Cities Mesoscopic DTA Model /**

Derek Lehrke and John Hourdos -- Minneapolis, MN : University of Minnesota, Dept. of Civil, Environmental, and Geo-Engineering, Minnesota Traffic Observatory ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2017-04 (MN/RC 2017-10), 163 pp.

<http://www.trb.org/main/blurbs/176079.aspx>

### **Guidelines for Determining Traffic Signal Change and Clearance Intervals: An ITE Recommended Practice /**

Institute of Traffic Engineers -- Washington, DC : ITE, 2015, 65 pp.

### **Heterogeneous Regional Signal Control /**

Qing He -- New York : City College of New York, UTRC, 2017-03, 95 pp.

<http://www.utrc2.org/sites/default/files/Final-Report-Heterogeneous-Regional-Signal-Control.pdf>

### **Implementation of Probe Data Performance Measures /**

Jijo Mathew et al. -- West Lafayette, IN : Purdue University ; Harrisburg, PA : Pennsylvania Dept. of Transportation, Bureau of Maintenance and Operations,, 2017-04 (PA-2017-001-PU wo-001), 138 pp.

[http://www.dot7.state.pa.us/BPR\\_PDF\\_FILES/Documents/Research/Complete%20Projects/Operations/Implementation\\_of\\_ProbeDataPerformanceMeasures.pdf](http://www.dot7.state.pa.us/BPR_PDF_FILES/Documents/Research/Complete%20Projects/Operations/Implementation_of_ProbeDataPerformanceMeasures.pdf)

### **Improving Estimates of Real-Time Traffic Speeds During Weather for Winter Maintenance Performance Measurements /**

Vianey Leos Barajas et al. -- Ames, IA : Iowa State University, Institute for Transportation ; Midwest Transportation Center ; Iowa Dept. of Transportation and Aurora Transportation Pooled Fund, 2017-04 (InTrans Project 13-485), 59 pp.

[http://www.intrans.iastate.edu/research/documents/research-reports/winter\\_mtc\\_performance\\_msrmts\\_w\\_c\\_vr.pdf](http://www.intrans.iastate.edu/research/documents/research-reports/winter_mtc_performance_msrmts_w_c_vr.pdf)

### **Incident Command System (ICS) Training for Field-Level Transportation Supervisors and Staff**

Frances L. Edwards et al. -- Washington, DC : Transportation Research Board, 2015-09 (NCHRP Web-Only Document 215), 221 pp. <http://nap.edu/23411>

### **Managing Speed /**

World Health Organization -- Geneva, Switzerland : WHO, 2017 (WHO/NMH/NVI/17.7), 16 pp.

### **Potential MUTCD Criteria for Selecting the Type of Control for Unsignalized Intersections /**

Kay Fitzpatrick et al. -- Washington, DC : Transportation Research Board, 2015-03 (NCHRP Web-Only Document 213), 128 pp. <http://nap.edu/22144>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 27 of 29

**Research Supporting the Development of Guidelines for Implementing Managed Lanes /**

Kay Fitzpatrick et al. -- Washington, DC : Transportation Research Board, 2016-05 (NCHRP Web-Only Document 224), 321 pp. [http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp\\_w224.pdf](http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_w224.pdf)

**Traffic Control Device Evaluation Program: FY 2016 /**

Susan T. Chrysler et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (FHWA/TX-16/9-1001-14-3), 98 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/9-1001-14-3.pdf>

**Traffic Signal Preemption at Intersections Near Highway-Rail Grade Crossings /**

Tom Urbanik and Alison Tananka -- Washington, DC : Transportation Research Board, 2017 (NCHRP Synthesis 507), 76 pp. <http://www.trb.org/Publications/Blurbs/175967.aspx>

**Workforce Challenges Confronting New York City Transit /**

Lesley Hirsch, Pamela Hoberman, and Ronnie Kauder -- New York : City University of New York, Graduate Center, New York City Labor Market Information Service (NYCLMIS) ; City College of New York, University Transportation Research Center, 2017-05, 48 pp. <http://www.utrc2.org/sites/default/files/Final-Report-Major-Workforce-Challenges.pdf>

**Transit**

**Assessing NJ Transit's Mobile App Users' Receptiveness to Geotargeting /**

Candace Brakewood and Robert Paaswell -- New York : City College of New York ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2017-06, 54 pp. <http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-010.pdf> ; <http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-010-TB.pdf>

**Assessing Regulatory Changes in the Transport Sector: An Introduction - Prepared for the Roundtable on Assessing Regulatory Changes in the Transport Sector /**

Lorenzo Casullo and Nathan Zhivov -- Paris : OECD, International Transport Forum, 2017-04 (Discussion Paper 2017-05), 33 pp. <https://www.itf-oecd.org/sites/default/files/docs/assessing-regulatory-changes-transport-sector.pdf>

**Decision-Making Toolbox to Plan and Manage Park-and-Ride Facilities for Public Transportation: Guidebook on Planning and Managing Park-and-Ride /**

Linda K. Cherrington et al.; Texas A&M Transportation Institute, Kittelson & Associates, Inc., and Kathryn Coffel Consulting, LLC -- Washington, DC : Transportation Research Board, 2017 (TCRP Research Report 192), 145 pp. <http://www.trb.org/Publications/Blurbs/175966.aspx>

**Development of an Accessibility Formulation to Measure Customers' Evaluations of Demand-Responsive Transit (DRT) Systems: Final Report /**

Sebastian Astroza et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (FHWA/TX-17/0-6768-1), 103 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6768-1.pdf> ; <http://library.ctr.utexas.edu/ctr-publications/0-6768-P2P3.pdf> ; <http://library.ctr.utexas.edu/ctr-publications/psr/0-6768-s.pdf>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 28 of 29

**Guidebook: Using Public Transportation to Facilitate Last Mile Package Delivery /**

Texas A&M University -- [College Station, TX] : Texas A&M University, 2017-03 (TxDOT Project #0-6891-P2), 56 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6891-P2.pdf>

**Public Transit: Information on Job Access and Reverse Commute Activities after 2012 Statutory Changes - Report to Congressional Committees /**

Government Accountability Office -- Washington, DC : GAO, 2017-05 (GAO-17-483), 25 pp. <http://www.gao.gov/assets/690/684493.pdf>

**Real-Time Estimations of Transit OD Patterns and Delays Using Low-Cost Ubiquitous Advanced Technologies /**

Kaan Ozbay, Neveen Shlayan, and Hani Nassif -- Brooklyn, NY : New York University, Tandon School of Engineering, Center for Urban Science & Progress (CUSP) ; New York : City College of New York, University Transportation Research Center (UTRC) - Region 2, 2017-04, 67 pp. <http://www.utrc2.org/sites/default/files/Final-Report-Real-Time-Estimation-Transit-OD-Patterns.pdf>

**Shaping the Relationship Between Public Transport and Innovative Mobility /**

Philippe Crist -- Paris CEDEX 16, France : Organisation for Economic Co-operation and Development (OECD), International Transport Forum (ITF), Corporate Partnership Board (CPB), 2017-05, 56 pp. <https://www.itf-oecd.org/sites/default/files/docs/shaping-relationship-public-transport-innovative-mobility.pdf>

**Work Zones**

**Data-Driven Traffic Impact Assessment Tool for Work Zones /**

Praveen Edara et al. -- Columbia, MO : University of Missouri-Columbia, Dept. of Civil and Environmental Engineering ; Ames, IA: Iowa Dept. of Transportation, Smart Work Zone Deployment Initiative ; Midwest Transportation Center, 2017-03 (InTrans Project 15-535), 58 pp. [http://www.intrans.iastate.edu/research/documents/research-reports/data-driven\\_traffic\\_impact\\_assessment\\_tool\\_w\\_cvr.pdf](http://www.intrans.iastate.edu/research/documents/research-reports/data-driven_traffic_impact_assessment_tool_w_cvr.pdf)

**Development of a Moving Automatic Flagger Assistance Device (AFAD) for Moving Work Zone Operations /**

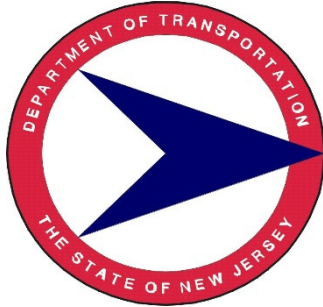
Edward F. Terhaar -- Maple Plain, MN : Wenck Associates, Inc. ; St. Paul Minnesota : Minnesota Dept. of Transportation, 2017-03 (MN/RC 2017-09), 25 pp. <http://www.dot.state.mn.us/research/reports/2017/201709.pdf>

**Flagger Operations: Investigating Their Effectiveness in Capturing Driver Attention /**

Kathleen Harder -- Minneapolis, MN : University of Minnesota, Center for Design in Health ; Dept. of Civil, Environmental, and Geo- Engineering, Minnesota Traffic Observatory ; St. Paul, MN : Minnesota Dept. of Transportation, Minnesota Local Road Research Board, 2017-02 (MN/RC 2017-07), 107 pp. <http://www.dot.state.mn.us/research/reports/2017/201707.pdf>

2<sup>nd</sup> Quarter 2017, Acquisitions, Page 29 of 29





**NJ DEPARTMENT OF  
TRANSPORTATION RESEARCH  
LIBRARY  
*SELECTED RECENT ACQUISITIONS***

**July - September 2017**

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.nj.gov](mailto:library@dot.nj.gov) (Library, DOT) or call 609-530-5289 for these or any other publications.

**Administration and Management**

**Applying Risk Analysis, Value Engineering, and Other Innovative Solutions for Project Delivery /**

Robert B. Stewart et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 850), 97 pp. <http://www.trb.org/Publications/Blurbs/176394.aspx>

**Design-Build Highway Projects: A Review of Practices and Experiences - Final Report /**

Jeff Borowiec et al. -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-11 (PRC 15-53 F), 117 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-15-53-F.pdf>

**Disruptive Technologies and Transportation - Final Report /**

Richard "Trey" Baker et al. -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-06 (PRC 15-45 F), 39 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-15-45-F.pdf>

**Engaging the Private Sector and Developing Partnerships to Advance Health and the Sustainable Development Goals: Proceedings of a Workshop Series /**

Rachel M. Taylor, Priyanka Natamada, and Katherine Perez, rapporteurs -- Washington, DC : National Academies Press, 2017, 189 pp. <https://www.nap.edu/download/24744#>

**Evolving Debt Finance Practices for Surface Transportation /**

Tamar Henkin and Karin Janel DeMoors -- Washington, DC : Transportation Research, 2017 (NCHRP Synthesis 513), 79 pp. <http://www.trb.org/Publications/Blurbs/176092.aspx>

**NJDOT Federal Funding Accountability and Transparency Act (FFATA) Reporting /**

Lazar N. Spasovic -- Newark, NJ : New Jersey Institute of Technology, Dept. of Civil and Environmental Engineering ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2017-03 (FHWA-NJ-2017-009), 55 pp.

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-009.pdf> ;

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-009-TB.pdf>

3<sup>rd</sup> Quarter, Acquisitions, Page 1 of 27

**Overcoming Challenges to Infusing Ethics into the Development of Engineers: Proceedings of a Workshop /**

Carl Anderson, rapporteur -- Washington, DC : National Academy of Engineering, Center for Engineering Ethics and Society (CEES), 2017, 51 pp. <https://www.nap.edu/download/24821#>

**PHMSA is Establishing Controls for Technical Assistance Grants but Needs to Improve Its Awards and Oversight Processes: Pipeline and Hazardous Materials Safety Administration - Audit Report /**

Barry J. DeWeese -- Washington, DC : U.S. Dept. of Transportation, Office of Inspector General, 2017-07 (ST2017064), 26 pp.  
<https://www.oig.dot.gov/sites/default/files/508-PHMSA%20TAG%20Final%20Report%207-19-17.pdf>

**A Review of Alternative Financing Methods for Roadway Projects in Small Urban and Rural Areas of Texas - Final Report /**

Nicolas Norboge et al. -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-09 (PRC 15-52 F), 71 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-15-52-F.pdf>

**Summary and Status of Concession Agreements (CDA/DB) in Texas /**

Brianne Glover, Max Steadman, and Brian Dell -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-06 (PRC 16-54 F), 40 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-16-54-F.pdf>

**Transportation and the Economy: Interconnections, Interventions, and Interdependencies /**

Transportation Research Board -- Washington, DC : TRB, 2017 (TR News No. 309 (May-June 2017)), 52 pp. <http://www.trb.org/Publications/Blurbs/176302.aspx>

**Transportation Infrastructure in the Western United States /**

Western Governors' Association -- [Denver, CO] : WGA, 2015 (Policy Resolution 2015-05), 3 pp.  
[http://westgov.org/images/editor/RESO\\_Transportation\\_15\\_05.pdf](http://westgov.org/images/editor/RESO_Transportation_15_05.pdf) ; [westgov.org/policies](http://westgov.org/policies) for most current copy and full list of all policy resolutions

**Aviation**

**Alternative Fuels in Airport Fleets /**

Geoff Morrison, Damon Fordham, and Cian Fields -- Washington, DC : Transportation Research Board, 2017 (ACRP Synthesis 85), 43 pp. <http://www.trb.org/Publications/Blurbs/176442.aspx>

**Dispersion Modeling Guidance for Airports Addressing Local Air Quality Health Concerns /**

Saravanan Arunachalam et al. -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 179), 35 pp. <http://www.trb.org/Publications/Blurbs/176412.aspx>

**Estimating Truck Trip Generation for Airport Air Cargo Activity /**

Kaveh Shabani and Peter Plumeau -- Washington, DC : Transportation Research Board, 2017 (ACRP Synthesis 80), 46 pp. <http://www.trb.org/Publications/Blurbs/176358.aspx>

**Food and Beverage and Retail Operators: The Costs of Doing Business at Airports /**

Ken Buckner, Firelli Pitters, and Andrew Weddig -- Washington, DC : Transportation Research Board, 2017 (ACRP Synthesis 81), 141 pp. <http://www.trb.org/Publications/Blurbs/176393.aspx>

### **Funding Industrial Aviation /**

Kimberly A. Kenville and James F. Smith -- Washington, DC : Transportation Research Board, 2017 (ACRP Synthesis 79), 41 pp. <http://www.trb.org/Publications/Blurbs/176327.aspx>

### **Generating Revenue from Commercial Development on or Adjacent to Airports /**

Stephanie Ward et al. -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 176), 308 pp. <http://www.trb.org/Publications/Blurbs/176413.aspx>

### **Guidance for Usage of Permeable Pavement at Airports /**

James Bruinsma et al. -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 178), 80 pp. <http://www.trb.org/Publications/Blurbs/176396.aspx>

### **Improving Intelligibility of Airport Terminal Public Address Systems /**

Wilson Thrig -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 175), 158 pp. <http://www.trb.org/Publications/Blurbs/176329.aspx>

### **Preparing Airports for Communicable Diseases on Arriving Flights /**

James F. Smith and Joshua Greenberg -- Washington, DC : Transportation Research Board, 2017 (ACRP Synthesis 83), 94 pp. <http://www.trb.org/Publications/Blurbs/176419.aspx>

### **Public-Sector Aviation: Graduate Research Award Papers, 2017 /**

Transportation Research Board -- Washington, DC : Transportation Research Board, 2017 (Transportation Research Record No. 2603), 104 pp. <http://trrjournalonline.trb.org/toc/trr/2017/2603/+>

### **Transportation Network Companies: Challenges and Opportunities for Airport Operators /**

Peter Mandle and Stephanie Box -- Washington, DC : Transportation Research Board, 2017 (ACRP Synthesis 84), 62 pp. <http://www.trb.org/Publications/Blurbs/176493.aspx>

### **Uses of Social Media to Inform Operational Response and Recovery During an Airport Emergency /**

James F. Smith and Kimberly A. Kenville -- Washington, DC : Transportation Research Board, 2017 (ACRP Synthesis 82), 93 pp. <http://www.trb.org/Publications/Blurbs/176496.aspx>

### **Bicycles and Pedestrians**

#### **Discussion Guide for Automated and Connected Vehicles, Pedestrians, and Bicyclists /**

Laura Sandt and Justin M. Owens -- Chapel Hill, NC : University of North Carolina Chapel Hill, University of North Carolina Highway Safety Research Center, Pedestrian and Bicycle Information Center, 2017-08, 26 pp. [http://www.pedbikeinfo.org/pdf/PBIC\\_AV.pdf](http://www.pedbikeinfo.org/pdf/PBIC_AV.pdf)

#### **Establishing Procedures and Guidelines for Pedestrian Treatments at Uncontrolled Locations /**

Yan Qi et al. -- 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 Material and Physical Research, 2017-08 (FHWA-ICT-17-016), 248 pp. <https://apps.ict.illinois.edu/projects/getfile.asp?id=5292>

3<sup>rd</sup> Quarter, Acquisitions, Page 3 of 27

### **Manual on Pedestrian and Bicycle Connections to Transit /**

Nathan McNeil et al. -- Portland, OR : Portland State University, Transportation Research & Education Center (TREC) ; Washington, DC : U.S. Dept. of Transportation, Federal Transit Administration, Office of Research, Demonstration and Innovation, 2017-08 (FTA Report No. 0111), 171 pp.  
<https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/64496/ftareportno0111.pdf>

### **Notching for Free: Do Cyclists Reveal the Value of Time? /**

Casey J. Wichman and Brandon Cunningham -- Washington, DC : Resources for the Future (RFF), 2017-09 (RFF WP 17-17), 56 pp. <http://www.rff.org/files/document/file/RFF%20WP-17-17.pdf>

### **A Right to the Road: Understanding & Addressing Bicyclist Safety /**

Pam Fischer et al. -- [Washington, DC] : Governors Highway Safety Association, 2017-08, 75 pp.  
<http://www.ghsa.org/sites/default/files/2017-08/2017BicyclistSafetyReport-FINAL.pdf>

### **Statewide Analysis of Bicycle Crashes /**

Priyanka Alluri et al. -- Miami, FL ; Florida International University, Lehman Center for Transportation Research ; Tallahassee, FL : Florida Dept. of Transportation, 2017-05 (FDOT BDV29-977-23), 212 pp.  
[http://www.fdot.gov/research/Completed\\_Proj/Summary\\_SF/FDOT-BDV29-977-23-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_SF/FDOT-BDV29-977-23-rpt.pdf)

### **Traffic Impacts of Bicycle Facilities /**

Greg Lindsey, John Hourdos, et al. -- Minneapolis, MN : University of Minnesota, Humphrey School of Public Affairs ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library ; Minnesota Local Road Research Board, 2017-06 (MN/RC 2017-23), 100 pp.  
<http://dot.state.mn.us/research/reports/2017/201723.pdf>

## **Bridges and Structures**

### **Contactless Electrode for Fast Survey of Concrete Reinforcement Corrosion /**

Alberto A. Sagoes and Leonidas Emmenegger -- Washington, DC : Transportation Research Board, 2017-01 (NCHRP IDEA Project 176), 59 pp.  
[http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Highway/NCHRP176\\_Final\\_Report.pdf](http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Highway/NCHRP176_Final_Report.pdf)

### **Context Sensitive Designs: Testing of Multi-Performance Level Box Beam Standards /**

Brent Phares et al. -- Ames, IA : Iowa State University, Bridge Engineering Center ; Iowa Dept. of Transportation, Iowa Highway Research Board, 2017-06 (IHRB Project TR-681 ; InTrans Project 14-513), 99 pp. [http://www.intrans.iastate.edu/research/documents/research-reports/box\\_beam\\_std\\_testing\\_w\\_cvr.pdf](http://www.intrans.iastate.edu/research/documents/research-reports/box_beam_std_testing_w_cvr.pdf)

### **Design and Evaluation of Scour for Bridges Using HEC-18 /**

John R. Schuring, Robert Dresnack, and Eugene Golub -- Newark, NJ : New Jersey Institute of Technology, Dept. of Civil and Environmental Engineering ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2017-07 (FHWA-NJ-2017-011), in 3 volumes, 68 pp., 57 pp., 69 pp. respectively  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-011-Volume-I.pdf>  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-011-Volume-II.pdf>  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-011-Volume-III.pdf>  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-011-TB.pdf>

3<sup>rd</sup> Quarter, Acquisitions, Page 4 of 27

### **Development of Improved Connection Details for Adjacent Prestressed Member Bridges /**

Kedar Halbe et al. -- Blacksburg, VA : Virginia Polytechnic Institute and State University, Charles E. Via, Jr. Dept. of Civil and Environmental Engineering ; Richmond, VA : Virginia Dept. of Transportation, 2017-06 (VTRC 17-R20), 49 pp. [http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/17-r20.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/17-r20.pdf)

### **Environmental Suitability of Weathering Steel Structures in Florida - Material Selection, Phase 2 /**

Richard D. Granata et al. -- Dania Beach, FL : Florida Atlantic University - Sea Tech, Center for Marine Materials ; Tallahassee, FL : Florida Dept. of Transportation, 2017-08 (FDOT BDV27-977-04), 149 pp. [http://www.fdot.gov/research/Completed\\_Proj/Summary\\_SMO/FDOT-BDV27-977-04-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_SMO/FDOT-BDV27-977-04-rpt.pdf)

### **Evaluation of a Folded Plate Girder Bridge System /**

Brent Phares, Yaohua (Jimmy) Deng, and Owen Steffens -- Ames, IA : Iowa State University, Bridge Engineering Center ; Ames, IA : Iowa Dept. of Transportation, 2017-06 (InTrans Project 13-458), 108 pp. [http://www.intrans.iastate.edu/research/documents/research-reports/Buchanan\\_County\\_IBRD\\_folded\\_plate\\_girder\\_eval\\_w\\_cvr.pdf](http://www.intrans.iastate.edu/research/documents/research-reports/Buchanan_County_IBRD_folded_plate_girder_eval_w_cvr.pdf)

### **Hydraulic Design of Embedded Culverts /**

Bruce M. McEnroe and Brady A. Hoffman -- Lawrence, KS : University of Kansas, Dept. of Civil, Environmental and Architectural Engineering ; Topeka, KS : Kansas Dept. of Transportation, Bureau of Research, 2017-09 (K-TRAN : KU-16-2), 51 pp. <http://kdotapp.ksdot.org/kdotlib/kdotlib2.aspx>

### **Impedance-Based Detection of Corrosion in Post-Tensioned Cables: Phase 2 from Concept to Application /**

Christopher L. Alexander, Yu-min Chen, and Mark E. Orazem -- Tallahassee, FL : University of Florida, Dept. of Chemical Engineering ; Florida Dept. of Transportation, 2017-07 (FDOT BDV31-977-35), 104 pp. [http://www.fdot.gov/research/Completed\\_Proj/Summary\\_SMO/FDOT-BDV31-977-35-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_SMO/FDOT-BDV31-977-35-rpt.pdf)

### **Integral Abutment Bridges under Thermal Loading: Field Monitoring and Analysis /**

James M. LaFave et al. -- 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 Material and Physical Research, 2017-08 (FHWA-ICT-17-017), 88 pp. <https://apps.ict.illinois.edu/projects/getfile.asp?id=5282>

### **LRFD Bridge Construction Specifications - Fourth Edition [Looseleaf] /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Bridges and Structures, 2016 -- 4th edition -- Washington, DC : AASHTO, 2017 (Pub Code: LRFDCONS-4), 567 pp. <https://bookstore.transportation.org>

### **Minimum Design Loads and Associated Criteria for Buildings and Other Structures - ASCE/SEI 7-16 /**

American Society of Civil Engineers -- Reston, VA : ASCE, 2017, 2 volumes - Vol. 1: Provisions ; Vol. 2: Commentary <http://www.asce.org/structural-engineering/sei-supplements-and-errata/> - supplements and errata

### **Proposed AASHTO LRFD Design Specifications for Light Rail Transit Loads /**

Yail Jimmy Kim -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 851), 198 pp. <http://www.trb.org/Publications/Blurbs/176357.aspx>

3<sup>rd</sup> Quarter, Acquisitions, Page 5 of 27

### **Rapid Detection of Fatigue Cracking in Steel Anchor Rods Using the Impulse Response Method /**

Wesley Keller et al. -- Bethlehem, PA : Lehigh University ; Washington, DC : Transportation Research Board, IDEA Program, 2017-06 (NCHRP IDEA Project 175), 47 pp.  
[http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Highway/NCHRP175\\_Final\\_Report.pdf](http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Highway/NCHRP175_Final_Report.pdf)

### **Repairs with Self-Consolidating Concrete and Galvanic Anodes to Extend Bridge Life /**

H. Celik Ozyildirim and Stephen R. Sharp -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation., 2017-08 (FHWA/VTRC 18-R9), 33 pp.  
[http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/18-r9.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/18-r9.pdf)

### **Route 139 Rehabilitation: Pulaski Skyway Contract 2 /**

Hani Nassif et al. -- Piscataway, NJ : Rutgers, the State University, Dept. of Civil and Environmental Engineering, Rutgers Infrastructure Monitoring and Evaluation (RIME) Group ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2017-06 (FHWA-NJ-2017-012), 120 pp.  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-012.pdf>  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-012-TB.pdf>

## **Communications**

### **Internal Communication Practices of State Transportation Agencies /**

Athey Creek Consultants -- St. Paul, MN : Minnesota Dept. of Transportation, Office of Transportation System Management, Research Services & Library, 2017-06 (TRS 1705), 46 pp.  
<http://dot.state.mn.us/research/TRS/2017/TRS1705.pdf>

### **State DOT Social Media Survey /**

American Association of State Highway and Transportation Officials -- Washington, DC : AASHTO, 2017-06, 16 pp. <https://communications.transportation.org/wp-content/uploads/sites/2/2016/11/2017-State-DOT-Social-Media-Survey.pdf>

## **Construction**

### **Adapting Construction Staking to Modern Technology /**

Nora El-Gohary et al. -- 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 Material and Physical Research, 2017-08 (FHWA-ICT-17-015), 393 pp.  
<https://apps.ict.illinois.edu/projects/getfile.asp?id=5278>

### **Advanced Methodology to Determine Highway Construction Cost Index (HCCI) /**

H. David Jeong, Douglas, D. Gransberg, and K. Joseph Shrestha -- Ames, IA : Iowa State University, Institute for Transportation ; Helena, MT : Montana Dept. of Transportation, Research Programs, 2017-06 (FHWA/MT-17-006/8232-001), 99 pp.  
[http://www.mdt.mt.gov/other/webdata/external/research/DOCS/RESEARCH\\_PROJ/CONSTRUCT\\_COST\\_INDEX/Final\\_Report.pdf](http://www.mdt.mt.gov/other/webdata/external/research/DOCS/RESEARCH_PROJ/CONSTRUCT_COST_INDEX/Final_Report.pdf)

### **Evaluation of HeadLight: An E-Construction Inspection Technology [TechBrief] /**

Tyson Rupnow -- Baton Rouge, LA : Louisiana Transportation Research Center, 2017-09 (LTRC Project Capsule 17-6SS), 1 p. [http://www.ltrc.lsu.edu/pdf/2017/capsule\\_17-6SS.pdf](http://www.ltrc.lsu.edu/pdf/2017/capsule_17-6SS.pdf)

3<sup>rd</sup> Quarter, Acquisitions, Page 6 of 27

### **Top-Down Construction Cost Estimating Model Using an Artificial Neural Network /**

Douglas D. Gransberg et al. -- Ames, IA : Iowa State University, Construction Management and Technology Program, Institute for Transportation ; Helena, MT : Montana Dept. of Transportation, 2017-07 (FHWA/MT-17-007/8227-001), 101 pp.

[http://www.mdt.mt.gov/other/webdata/external/research/DOCS/RESEARCH\\_PROJ/top-down\\_cost\\_estimating/Final\\_Report.PDF](http://www.mdt.mt.gov/other/webdata/external/research/DOCS/RESEARCH_PROJ/top-down_cost_estimating/Final_Report.PDF)

### **Using Mobile Computers to Automate the Change Order Prediction Cost for Highway Construction Projects /**

Jose L. Perdomo -- Mayaguez, PR : University of Puerto Rico at Mayaguez ; New York : City College of New York, University Transportation Research Center - Region 2, 2017-07, 70 pp.

<http://www.utrc2.org/sites/default/files/Final-Report-Using-Mobile-Computers-to-Automate-Change.pdf>

## **Energy and Environment**

### **Alternative Fuel Vehicle Forecasts - Final Report /**

Richard "Trey" Baker et al. -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-04 (PRC 14-28F), 83 pp.

<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-14-28F.pdf>

### **Certification of CO2 Emissions and Fuel Consumption of On-Road Heavy-Duty Vehicles in the European Union /**

International Council on Clean Transportation -- Washington, DC : ICCT, 2017-07, 13 pp.

[http://www.theicct.org/sites/default/files/publications/ICCT\\_update\\_HDV-EU-CO2-cert\\_20170731.pdf](http://www.theicct.org/sites/default/files/publications/ICCT_update_HDV-EU-CO2-cert_20170731.pdf)

### **Clean Cities Alternative Fuel Price Report /**

U.S. Department of Energy -- Washington, DC : U.S. DOE, 2017-07 (Quarterly), 27 pp.

[https://www.afdc.energy.gov/uploads/publication/alternative\\_fuel\\_price\\_report\\_july\\_2017.pdf](https://www.afdc.energy.gov/uploads/publication/alternative_fuel_price_report_july_2017.pdf)

### **CO2 Emissions from New Passenger Cars in the EU: Car Manufacturers' Performance in 2016 - Briefing [TechBrief] /**

Murat Senzeybek, Uwe Tietge, and Peter Mock -- Washington, DC : International Council on Clean Transportation (ICCT), 2017-07, 10 pp. [http://www.theicct.org/sites/default/files/publications/PV-EU-OEM\\_ICCT-Briefing\\_03072017\\_vF.pdf](http://www.theicct.org/sites/default/files/publications/PV-EU-OEM_ICCT-Briefing_03072017_vF.pdf)

### **Comparing Greenhouse Gas Reductions and Legal Implementation Possibilities for Pay-to-Save Transportation Price-shifting Strategies and EPA's Clean Power Plan /**

Allen Greenberg and John (Jay) Evans -- Washington, DC : Federal Highway Administration ; Bethesda, MD : Cambridge Systematics ; Victoria, BC, Canada: Victoria Transport Policy Institute (VTPI), 2017-05, 64 pp. [http://www.vtpi.org/G&E\\_GHG.pdf](http://www.vtpi.org/G&E_GHG.pdf)

### **Construction Guidelines for Wildlife Fencing and Associated Escape and Lateral Access Control Measures /**

Marcel P. Huijser et al. -- Washington, DC : American Association of State Highway and Transportation Officials (AASHTO), Standing Committee on the Environment ; National Cooperative Highway Research Program, 2015-04 (NCHRP Project 25-25, Task 84), 218 pp. [http://onlinepubs.trb.org/onlinepubs/nchrp/docs/NCHRP25-25\(84\)\\_FR.pdf](http://onlinepubs.trb.org/onlinepubs/nchrp/docs/NCHRP25-25(84)_FR.pdf)

3<sup>rd</sup> Quarter, Acquisitions, Page 7 of 27

**Consumer Inattention and Demand for Energy Cost Savings /**

Benjamin Leard -- Washington, DC : Resources for the Future, 2017-08, 36 pp.  
<http://www.rff.org/files/document/file/RFF-Rpt-Consumer%20Inattention.pdf>

**Cow Power: A Case Study of Renewable Compressed Natural Gas as a Transportation Fuel /**

Matthew Tomich and Marianne Mintz -- Argonne, IL : U.S. Dept. of Energy, Argonne National Laboratory, 2017-08 (ANL/ESD-17/7), 40 pp.  
[https://www.afdc.energy.gov/uploads/publication/cow\\_power\\_case\\_study.pdf](https://www.afdc.energy.gov/uploads/publication/cow_power_case_study.pdf)

**Design Recommendations from Five Years of Wildlife Crossing Research Across Utah /**

Patricia Cramer -- [Raleigh, N.C.] : North Carolina State University, Center for Transportation and the Environment, 2013 (in Proceedings of the 2013 International Conference on Ecology and Transportation (ICOET 2013) ; Paper 402A), 13 pp.  
[http://www.icoet.net/ICOET\\_2013/documents/papers/ICOET2013\\_Paper402A\\_Cramer\\_Formatted.pdf](http://www.icoet.net/ICOET_2013/documents/papers/ICOET2013_Paper402A_Cramer_Formatted.pdf)

**Effective Post-Construction Best Management Practices (BMPs) to Infiltrate and Retain Stormwater Run-Off /**

Abdolreza Osouli et al. -- Edwardsville, IL : Southern Illinois University Edwardsville, SIEU School of Engineering, Dept. of Civil Engineering ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Material and Physical Research, 2017-06 (FHWA-ICT-17-011), 134 pp.  
<https://apps.ict.illinois.edu/projects/getfile.asp?id=5258>

**Enhancing the Resilience of the Nation's Electricity System /**

National Academies of Sciences, Engineering, and Medicine; Board of Energy and Environmental Systems; Committee on Enhancing the Resilience of the Nation's Electric Power Transmission and Distribution System -- Washington, DC : National Academies Press, 2017, 298 pp.  
<http://www.nap.edu/24836>

**EVgo Fleet and Tariff Analysis - Phase I: California /**

Garrett Fitzgerald and Chris Nelder -- Public version -- Boulder, CO : Rocky Mountain Institute, 2017-03, 31 pp.  
[https://www.rmi.org/wp-content/uploads/2017/04/eLab\\_EVgo\\_Fleet\\_and\\_Tariff\\_Analysis\\_2017.pdf](https://www.rmi.org/wp-content/uploads/2017/04/eLab_EVgo_Fleet_and_Tariff_Analysis_2017.pdf)

**Foothill Transit Battery Electric Bus Demonstration Results: Second Report /**

Leslie Eudy and Matthew Jeffers -- Golden, CO : U.S. Dept. of Energy, National Renewable Energy Laboratory (NREL), 2017-06 (NREL/TP-5400-67698), 59 pp.  
[https://www.afdc.energy.gov/uploads/publication/foothill\\_transit\\_beb\\_demo\\_results\\_2nd\\_rpt.pdf](https://www.afdc.energy.gov/uploads/publication/foothill_transit_beb_demo_results_2nd_rpt.pdf)

**From Deceit to Transformation: How States Can Leverage Volkswagen Settlement Funds to Accelerate Progress to a Clean Transportation System /**

Lauren Aragon and Matthew Casale -- Washington, DC : U.S. PIRG Education Fund, 2017, 47 pp.  
[http://uspig.org/sites/pirg/files/reports/USP%20National%20VW%20Report\\_0.pdf](http://uspig.org/sites/pirg/files/reports/USP%20National%20VW%20Report_0.pdf)

**Fuel Efficiency Technology in European Heavy-Duty Vehicles: Baseline and Potential for the 2020-2030 Time Frame /**

Oscar Delgado, Felipe Rodriguez, and Rachel Muncrief -- Berlin : International Council on Clean Transportation (ICCT), 2017-07, 76 pp. [http://www.theicct.org/sites/default/files/publications/EU-HDV-Tech-Potential\\_ICCT-white-paper\\_14072017\\_vF.pdf](http://www.theicct.org/sites/default/files/publications/EU-HDV-Tech-Potential_ICCT-white-paper_14072017_vF.pdf)

3<sup>rd</sup> Quarter, Acquisitions, Page 8 of 27



**Guidance for Design Hydrology for Stream Restoration and Channel Stability /**

Brian Bledsoe -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 853), 69 pp. <http://www.trb.org/Publications/Blurbs/176503.aspx>

**Harvesting the Value of Water: Stormwater, Green Infrastructure, and Real Estate /**

Katharine Burgess et al. -- Washington, DC : Urban Land Institute, Center for Sustainability and Economic Performance, 2017, 84 pp.  
<https://americas.uli.org/wp-content/uploads/sites/125/ULI-Documents/HarvestingtheValueofWater.pdf>

**Highway Renewable Energy: Photovoltaic Noise Barriers /**

Carson Poe et al. -- Cambridge, MA : U.S. Dept. of Transportation, John A. Volpe National Transportation Systems Center ; Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, Office of Natural Environment, 2017-08 (FHWA-HEP-17-088), 38 pp.  
<https://www.fhwa.dot.gov/environment/sustainability/energy/publications/photovoltaic/fhwahep17088.pdf>

**Idling Reduction for Emergency Vehicles: A Case Study [TechSummary] /**

Argonne National Laboratory -- Chicago : University of Chicago ; Argonne, IL : U.S. Dept. of Energy, ANL, 2017, 2 pp.  
<https://www.afdc.energy.gov/uploads/publication/idling-reduction-for-emergency-vehicles.pdf>

**Implementation and Effectiveness of Sound Mitigation Measures on Texas Highways (HB 790) - Final Report /**

Jason A. Crawford et al. -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-10 (PRC 16-64 F), 278 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-16-64-F.pdf>

**Integrating Wildlife Crossings into Transportation Plans and Projects in North America /**

Patricia C. Cramer and John A. Bissonette -- [Raleigh, N.C.] : North Carolina State University, Center for Transportation and the Environment, 2007 (in Proceedings of the 2007 International Conference on Ecology and Transportation (ICOET 2007) ; Chapter 6 ; pp. 328-334), 7 pp.  
[http://www.icoet.net/ICOET\\_2007/proceedings/Chapter6c.pdf](http://www.icoet.net/ICOET_2007/proceedings/Chapter6c.pdf)

**Low-Carbon Technology Pathways for Soot-Free Urban Bus Fleets in 20 Megacities /**

Tim Dallmann, Li Du, and Ray Minjares -- Washington, DC : International Council on Clean Transportation (ICCT), 2017-08 (Working Paper 2017-11), 17 pp.  
[http://www.theicct.org/sites/default/files/publications/Low-carbon-tech-pathways-soot-free-buses-megacities\\_ICCT-working-paper\\_31082017\\_vF.pdf](http://www.theicct.org/sites/default/files/publications/Low-carbon-tech-pathways-soot-free-buses-megacities_ICCT-working-paper_31082017_vF.pdf)

**Maintaining Wildlife Connectivity Across Roads through Tested Wildlife Crossing Designs /**

Patricia Cramer, Julia Kintsch, and Sandra Jacobson -- [Raleigh, N.C.] : North Carolina State University, Center for Transportation and the Environment, 2011 (in Proceedings of the 2011 International Conference on Ecology and Transportation (ICOET 2011) ; Session CRB-1 ; pp. 448-460), 13 pp. [http://www.icoet.net/ICOET\\_2011/documents/proceedings/Session-CRB-1.pdf](http://www.icoet.net/ICOET_2011/documents/proceedings/Session-CRB-1.pdf)

3<sup>rd</sup> Quarter, Acquisitions, Page 9 of 27

**Market Analysis and Fuel Efficiency Technology Potential of Heavy-Duty Vehicles in China /**

Oscar Delgado and Hanyan "Ann" Li -- Washington, DC : International Council on Clean Transportation (ICCT), 2017-07, 54 pp. [http://www.theicct.org/sites/default/files/publications/China-HDV-Market-Tech\\_ICCT-White-Paper\\_2007\\_2017\\_vF.pdf](http://www.theicct.org/sites/default/files/publications/China-HDV-Market-Tech_ICCT-White-Paper_2007_2017_vF.pdf)

**Market Surveillance of Vehicle Emissions: Best-Practice Examples with Respect to the European Commission's Proposed Type-Approval Framework Regulation - Position Brief /**

Zifei Yang and Rachel Muncrief -- Washington, DC : International Council on Clean Transportation (ICCT), 2017-07, 10 pp. [http://www.theicct.org/sites/default/files/publications/PV-in-use-surveillance\\_ICCT-position-brief\\_130720\\_17\\_vF.pdf](http://www.theicct.org/sites/default/files/publications/PV-in-use-surveillance_ICCT-position-brief_130720_17_vF.pdf)

**Methodology for Prioritizing Appropriate Mitigation Actions to Reduce Wildlife-Vehicle Collisions on Idaho Highways /**

Patricia C. Cramer et al. -- Logan, UT : Utah State University, Dept. of Wildland Resources and the Ecology Center ; Boise, ID : Idaho Transportation Dept., Division of Engineering Service, 2014-08 (FHWA-ID-14-229), 280 pp. <https://ntl.bts.gov/lib/59000/59200/59214/RP229Final.pdf>

**Permeability of Existing Structures for Terrestrial Wildlife: A Passage Assessment System /**

Julia Kintsch and Patricia C. Cramer -- Logan, UT : Utah State University, Dept. of Wildland Resources ; Denver, CO : ECO-resolutions, LLC ; Olympia, WA : Washington State Dept. of Transportation (WSDOT), Office of Research & Library Services, 2011-07 (WA-RD 777.1), 188 pp. <http://www.wsdot.wa.gov/research/reports/fullreports/777.1.pdf>

**A Roadmap for Heavy-Duty Engine CO2 Standards within the European Union Framework /**

Rachel Muncrief and Felipe Rodriguez -- Washington, DC : International Council on Clean Transportation (ICCT), 2017-09 (ICCT Briefing), 17 pp. [http://njdotintranetr.njdot.lan/Applications/employee\\_support/bookstore/ll\\_manager\\_editor/bookstore\\_100.asp](http://njdotintranetr.njdot.lan/Applications/employee_support/bookstore/ll_manager_editor/bookstore_100.asp)

**Soundscape and the Built Environment /**

Jian Kang and Brigitte Schulte-Fortkamp, editors -- Boca Raton, FL : CRC Press, 2016, 310 pp.

**Speeding the Pace: Decisionmaking for Diversion Project Implementation in Louisiana /**

Leonard A. Shabman and James W. Boyd -- Washington, DC : Resources for the Future (RFF), 2017-09, 29 pp. <http://www.rff.org/files/document/file/RFF%20Rpt-Diversion%20Projects%20Louisiana.pdf>

**Sustainable Transportation: Accelerating Widespread Adoption of Energy-Efficient Vehicles & Fuels [TechBrief] /**

U.S. Dept. of Energy, Office of Energy Efficiency and Renewable Energy, National Renewable Energy Laboratory -- Golden, CO : U.S. DOE, NREL, 2016-07 (BR-5400-63161), 4 pp. <http://www.nrel.gov/docs/fy15osti/63161.pdf>

**Tailgate Test Kit for Determining Appropriate Sediment Reducing Chemicals and Dose Rates /**

Joel Toso and Kirby Templin -- Golden Valley, MN : Wenck Associates, Inc. ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2017-07 (MN/RC 2017-32), 223 pp. <http://dot.state.mn.us/research/reports/2017/201732.pdf>

3<sup>rd</sup> Quarter, Acquisitions, Page 10 of 27

**Timber Rattlesnakes' (Crotalus horridus) Use of Man-made Rocky Features Constructed in Roadway Right-of-Ways /**

Garrett P. Sisson and Willem M. Roosenburg -- Athens, OH : Ohio University, Dept. of Biological Sciences ; Columbus, OH : Ohio Dept. of Transportation, 2017-07 (FHWA/OH-2017-25), 42 pp.  
<http://www.trb.org/main/blurbs/176570.aspx>

**Too Low to be True? How to Measure Fuel Consumption and CO2 Emissions of Plug-In Hybrid Vehicles, Today and in the Future [TechBrief] /**

International Council on Clean Energy -- Washington, DC : ICCT, 2017-07 (ICCT Briefing), 11 pp.  
[http://www.theicct.org/sites/default/files/publications/EU-PHEV\\_ICCT-Briefing-Paper\\_280717\\_vF.pdf](http://www.theicct.org/sites/default/files/publications/EU-PHEV_ICCT-Briefing-Paper_280717_vF.pdf)

**Using Wildlife-Vehicle Collision Data to Plan and Implement Transportation Mitigation: Case Studies from Utah /**

Ashley D. Green et al. -- [Raleigh, N.C.] : North Carolina State University, Center for Transportation and the Environment, 2011 (in Proceedings of the 2011 International Conference on Ecology and Transportation (ICOET 2011) ; Construction, Operations and Maintenance Session (COM-1) ; pp. 179-191), 13 pp. [http://www.icoet.net/ICOET\\_2011/documents/proceedings/Session-COM-1.pdf](http://www.icoet.net/ICOET_2011/documents/proceedings/Session-COM-1.pdf)

**Vehicle Collisions Cause Differential Age and Sex-Specific Mortality in Mule Deer /**

Daniel D. Olson et al. -- [New York] : Hindawi Publishing Corporation, 2014-11 (in Advances in Ecology, Volume 2014, Article ID 971809), 10 pp. <http://dx.doi.org/10.1155/2014/971809>

**Vermont's Best Management Practices for Highways & Wildlife Connectivity /**

Fraser Shilling et al. -- Montpelier, VT : Vermont Agency of Transportation, 2012, 144 pp.  
[https://roadeology.ucdavis.edu/files/content/projects/VTrans\\_BMP%20Manual\\_2012\\_Final.pdf](https://roadeology.ucdavis.edu/files/content/projects/VTrans_BMP%20Manual_2012_Final.pdf)

**Waste-to-Fuel: A Case Study of Converting Food Waste to Renewable Natural Gas as a Transportation Fuel /**

Matthew Tomich and Marianne Mintz -- Argonne, IL : U.S. Dept of Energy, Argonne National Laboratory, Energy Systems Division, 2017-08 (ANL/ESD-17/9), 48 pp.  
[https://www.afdc.energy.gov/uploads/publication/waste\\_to\\_fuel.pdf](https://www.afdc.energy.gov/uploads/publication/waste_to_fuel.pdf)

**Wildlife Crossings in North America: The State of the Science and Practice /**

Patricia C. Cramer and John A. Bissonette -- [Raleigh, N.C.] : North Carolina State University, Center for Transportation and the Environment, 2005 (In Proceedings of the 2005 International Conference on Ecology and Transportation (ICOET 2005) ; Chapter 9 ; pp. 442-460), 19 pp.  
[http://www.icoet.net/ICOET\\_2005/proceedings/06IPCh9-442-460.pdf](http://www.icoet.net/ICOET_2005/proceedings/06IPCh9-442-460.pdf)

**Wildlife-Vehicle Collision Mitigation on State Route 260: Mogollon Rim to Show Low /**

Jeffrey W. Gagnon et al. -- Phoenix, AZ : Arizona Game and Fish Dept., Wildlife Contracts Branch ; Arizona Dept. of Transportation, 2017-08 (FHWA-AZ-17-706), 94 pp.  
[https://apps.azdot.gov/ADOTLibrary/publications/project\\_reports/pdf/SPR706.pdf](https://apps.azdot.gov/ADOTLibrary/publications/project_reports/pdf/SPR706.pdf)

**Freight / Goods Movement**

**G-MAP: A Comprehensive Goods Movement Action Program for the New York-New Jersey Metropolitan Region [Electronic] /**

Port Authority of New York and New Jersey, GMAP -- [New York] : PANYNJ, 2017-08, 18 slides  
<http://www.panynj.gov/gmap/>

3<sup>rd</sup> Quarter, Acquisitions, Page 11 of 27

### **Oil and Gas Freight Transportation Alternatives - Final Report /**

Allan Rutter, Curtis Morgan, and Jeff Warner -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-11 (PRC 15-50 F), 55 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-15-50-F.pdf>

### **Oversize/Overweight Vehicle Unified Permitting Process (UPP) Phase I /**

Renae Kuehl, Samantha Markman, and Annette Theroux -- Minneapolis, MN : SRF Consulting Group, Inc.; Walker, MN : Pro-West and Associates ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library ; Local Road Research Board, 2017-08 (MN/RC 2017-26), 39 pp. <http://www.dot.state.mn.us/research/reports/2017/201726.pdf>

### **Potential Metrics for Designating and Monitoring Oversize/Overweight Corridors /**

Jolanda Prozzi -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-11 (PRC 16-10 F), 73 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-16-10-F.pdf>

### **Warehousing and Distribution Center Facilities in Southern California: The Use of the Commodity Flow Survey Data to Identify Logistics Sprawl and Freight Generation Patterns /**

Miguel Jaller and Leticia Pineda -- Davis, CA : University of California, Davis, Institute of Transportation Studies ; National Center for Sustainable Transportation, 2017-07, 68 pp.  
<https://ncst.ucdavis.edu/wp-content/uploads/2015/08/NCST-Caltrans-Jaller-Warehouse-and-Distribution-L-ogistics-Sprawl-FINAL-July-19-2017.pdf>

## **Geotechnical**

### **Design Considerations for Embankment Protection During Road Overtopping Events /**

Jeffrey D.G. Marr et al. -- Minneapolis, MN : University of Minnesota, St. Anthony Falls Laboratory ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library ; Minnesota Local Road Research Board, 2017-06 (MN/RC 2017-21), 216 pp.  
<http://www.dot.state.mn.us/research/reports/2017/201721.pdf>

### **Drained Timber Pile Ground Improvement for Liquefaction Mitigation /**

Armin W. Stuedlein and Tygh Gianella -- Corvallis, OR : Oregon State University, School of Civil and Construction Engineering ; Washington, DC : Transportation Research Board, 2016-01 (NCHRP IDEA Project 180), 66 pp.  
[http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Highway/NCHRP180\\_Final\\_Report.pdf](http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Highway/NCHRP180_Final_Report.pdf)

### **Exploration of Drone and Remote Sensing Technologies in Highway Embankment Monitoring and Management (Phase I) [TechBrief] /**

Zhongjie "Doc" Zhang -- Baton Rouge, LA : Louisiana Transportation Research Center, 2017-09 (LTRC Project Capsule 18-1P), 2 pp. [http://www.ltrc.lsu.edu/pdf/2017/capsule\\_18-1P.pdf](http://www.ltrc.lsu.edu/pdf/2017/capsule_18-1P.pdf)

### **Field Guide Helps Local Engineers Stabilize Damaged Slopes [TechSummary] /**

David Saftner -- Duluth, MN : University of Minnesota Duluth ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library ; Minnesota Local Road Research Board, 2017-09 (2017-17TS), 2 pp. <http://dot.state.mn.us/research/TS/2017/201717TS.pdf>

3<sup>rd</sup> Quarter, Acquisitions, Page 12 of 27

### **Slope Stabilization and Repair Solutions for Local Government Engineers /**

David Saftner -- Duluth, MN : University of Minnesota Duluth, Dept. of Civil Engineering ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & library ; Minnesota Local Road Research Board, 2017-06 (MN/RC 2017-17), 153 pp.  
<http://dot.state.mn.us/research/reports/2017/201717.pdf>

### **Thermal Integrity Profiling for Augered Cast-In-Place Piles (Implementation Plan) /**

Gray Mullins and Kevin Johnson -- Tampa, FL : University of South Florida, Dept. of Civil and Environmental Engineering ; Tallahassee, FL : Florida Dept. of Transportation, 2017-05 (FDOT BDV25-977-34), 138 pp. [http://www.fdot.gov/research/Completed\\_Proj/Summary\\_SMO/FDOT-BDV25-977-34-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_SMO/FDOT-BDV25-977-34-rpt.pdf)

## **Highway Design**

### **Analysis of the Shoulder Widening Need on the State Highway System: Technical Report /**

Karen Dixon et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-05 (FHWA/TX-15/0-6840-1), 168 pp. <http://tti.tamu.edu/documents/0-6840-1.pdf>

### **Best Management Practices and Incentives to Expedite Utility Relocation /**

Khaled El-Rayes et al. -- 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 Material and Physical Research, 2017-07 (FHWA-ICT-17-013), 217 pp. <https://apps.ict.illinois.edu/projects/getfile.asp?id=5269>

### **Evaluation of Safety and Mobility of Two-Lane Roundabouts /**

Gordon Parikh and John Hourdos -- Minneapolis, MN : University of Minnesota, Dept. of Civil, Environmental, and Geo-Engineering ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library ; Minnesota Local Road Research Board, 2017-07 (MN/RC 2017-30), 87 pp. <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2610>

### **Kansas Roundabout Guide - A Companion to NCHRP Report 672 - Roundabouts: An Informational Guide, Second Edition /**

Kittleston & Associates, Inc. -- 2nd edition -- [Topeka, KS] : Kansas Dept. of Transportation, 2014, 190 pp., plus appendices in separate file  
[https://www.ksdot.org/Assets/wwwksdotorg/bureaus/burtrafficeeng/Roundabouts/Roundabout\\_Guide/KansasRoundaboutGuideSecondEdition.pdf](https://www.ksdot.org/Assets/wwwksdotorg/bureaus/burtrafficeeng/Roundabouts/Roundabout_Guide/KansasRoundaboutGuideSecondEdition.pdf) ;  
[https://www.ksdot.org/Assets/wwwksdotorg/bureaus/burtrafficeeng/Roundabouts/Roundabout\\_Guide/KansasRoundaboutGuideSecondEditionAppendices.pdf](https://www.ksdot.org/Assets/wwwksdotorg/bureaus/burtrafficeeng/Roundabouts/Roundabout_Guide/KansasRoundaboutGuideSecondEditionAppendices.pdf)

## **Information Management**

### **Issues in Vocabulary Management /**

National Information Standards Organization (NISO) -- Baltimore, MD : NISO, 2017-09 (NISO TR-06-2017), 55 pp. [http://www.niso.org/apps/group\\_public/download.php/18410/NISO\\_TR-06-2017\\_Issues\\_in\\_Vocabulary\\_Management.pdf](http://www.niso.org/apps/group_public/download.php/18410/NISO_TR-06-2017_Issues_in_Vocabulary_Management.pdf)

## **Intelligent Transportation Systems (ITS)**

### **Automated Vehicles Symposium 2016: Summary of a Symposium /**

Katherine F. Turnbull, rapporteur -- Washington, DC : Transportation Research Board, 2017-07 (Transportation Research Circular E-C222), 206 pp.  
<http://onlinepubs.trb.org/onlinepubs/circulars/ec222.pdf>

### **Commercial Truck Platooning Demonstration in Texas - Level 2 Automation /**

Beverly Kuhn et al. -- College Station, TX : Texas A&M University System, Texas A&M Transportation Institute ; Austin, Texas : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-08 (FHWA/TX-17/0-6836-1), 222 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6836-1.pdf>  
; <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6836-S.pdf>

### **Future Environment Net Assessment: Autonomous Vehicles /**

U.S. Dept. of Homeland Security, Office of Cyber and Infrastructure Analysis -- Washington, DC : U.S. DHS, 2017-06, 27 pp.  
[https://content.govdelivery.com/attachments/USDHSCIKR/2017/06/22/file\\_attachments/835692/OA-Future\\_Environment\\_Net\\_Assessment-Autonomous\\_Vehicles.pdf](https://content.govdelivery.com/attachments/USDHSCIKR/2017/06/22/file_attachments/835692/OA-Future_Environment_Net_Assessment-Autonomous_Vehicles.pdf)

### **Risk Analysis of Autonomous Vehicles in Mixed Traffic Streams /**

Parth Bhavsar et al. -- [Glassboro, NJ] : Rowan University ; New York : City College of New York, University Transportation Research Center - Region 2, 2017-05, 60 pp.  
<http://www.utrc2.org/sites/default/files/Final-Report-Risk-Analysis-of-Autonomous-Vehicles.pdf>

### **Secure and Private Sensing for Driver Authentication and Transportation Safety /**

Jonathan Voris, N. Sertac Artan, and Wenjia Li -- New York : New York Institute of Technology ; City College of New York, University Transportation Research Center - Region 2, 2017-08, 47 pp.  
<http://www.utrc2.org/sites/default/files/Final-Report-Secure-and-Private-Sensing.pdf>

## **Landscape and Urban Design**

### **Best Management Practices for Establishment of Salt-Tolerant Grasses on Roadsides /**

Eric Watkins and Jon Trappe -- St. Paul, MN : University of Minnesota, Dept. of Horticultural Science ; Minnesota Dept. of Transportation, Research Services & Library ; Minnesota Local Road Research Board, 2017-07 (MN/RC 2017-31), 74 pp.  
<http://dot.state.mn.us/research/reports/2017/201731.pdf>

### **Gardening for Butterflies: How You Can Attract and Protect Beautiful, Beneficial Insects /**

Xerces Society (Scott Hoffman Black et al.) -- Portland, OR : Timber Press, 2016, 287 pp.

### **Planting in a Post-Wild World: Designing Plant Communities for Resilient Landscapes /**

Thomas Rainer and Claudia West -- Portland, OR : Timber Press, 2015, 271 pp.

## **Legal Issues**

### **Creating Modern, Compliant and Easier-to-Execute Records Retention Schedules: A Maturity Model for Developing Each Organization's Ideal Schedule /**

Contoural -- Los Altos, CA : Contoural, 2017, 8 pp.

3<sup>rd</sup> Quarter, Acquisitions, Page 14 of 27

### **Policy Implications of Transportation Network Companies [TechBrief] /**

Maarit Moran -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-07 (PRC-2016-01), 24 pp.

### **The Promises and Risks of Innovation /**

Transportation Research Board -- Washington, DC : TRB, 2017 (TR News No. 307 (January-February 2017)), 52 pp. <http://www.trb.org/Publications/Blurbs/175816.aspx>

### **Materials**

#### **Analytical Method to Measure Water in Asphalt and Its Application to Emulsion Residue Recovery [TechBrief] /**

Federal Highway Administration, Turner-Fairbank Highway Research Center -- McLean, VA : U.S. Dept. of Transportation, FHWA, 2017-06 (FHWA-HRT-15-056), 8 pp.  
<https://www.fhwa.dot.gov/publications/research/infrastructure/pavements/15056/15056.pdf>

#### **Asphalt Materials and Mixtures - Volume 1 /**

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2631), 159 pp. <http://trrjournalonline.trb.org/toc/trr/2017/2631/+>

#### **Cationic Very Rapid Setting Polymer Modified Chip Seal Emulsion /**

Keith W. Anderson et al. -- Olympia, WA : Washington State Dept. of Transportation, Materials Laboratory, 2017-05 (WA-RD 866.1), 58 pp.  
<http://www.wsdot.wa.gov/research/reports/fullreports/866.1.pdf>

#### **Evaluation of I-FIT Results and Machine Variability Using MnRoad Test Track Mixtures /**

Hasan Ozer et al. -- 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 Material and Physical Research, 2017-06 (FHWA-ICT-17-012), 104 pp.  
<https://apps.ict.illinois.edu/projects/getfile.asp?id=5260>

#### **Evaluation of Seal Coat Construction Materials /**

Cindy Estakhri, Sanjaya Senadheera, and Chang Seon Shon -- College Station, TX : Texas A&M Transportation Institute ; Lubbock, TX : Texas Tech University, TechMRT ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-07 (FHWA/TX-14/0-6747-1), 98 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6747-1.pdf>

#### **Four-mm Dynamic Shear Rheometry [TechBrief] /**

Federal Highway Administration, Turner-Fairbank Highway Research Center -- McLean, VA : U.S. Dept. of Transportation, FHWA, 2017-06 (FHWA-HRT-15-053), 12 pp.  
<https://www.fhwa.dot.gov/publications/research/infrastructure/pavements/15053/15053.pdf>

#### **Illinois Highway Materials Sustainability Efforts of 2016 /**

David L. Lippert, Shenghua Wu, and Hasan Ozer -- 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, 2017-07 (FHWA-ICT-17-014), 36 pp. <https://apps.ict.illinois.edu/projects/getfile.asp?id=5267>

3<sup>rd</sup> Quarter, Acquisitions, Page 15 of 27

### **Performance of Foamed Warm Mix Asphalt in Virginia Over Four to Six Years /**

Stacey D. Diefenderfer -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA: Virginia Dept. of Transportation, 2017-08 (FHWA/VTRC 18-R12), 32 pp. [http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/18-r12.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/18-r12.pdf)

### **Quantifying the Influence of Geosynthetics on Pavement Performance /**

Rong Luo et al. -- Washington, DC : Transportation Research Board, 2017-03 (NCHRP Web-Only Document 235), 841 pp. <http://www.trb.org/main/blurbs/176362.aspx>

### **Relationship Between Chemical Makeup of Binders and Engineering Performance /**

William H. Daly -- Washington, DC : Transportation Research Board, 2017 (NCHRP Synthesis 511), 109 pp. <http://www.trb.org/Publications/Blurbs/176392.aspx>

### **Use of Fiber-Reinforced Polymers in Highway Infrastructure /**

Yail Jimmy Kim -- Washington, DC : Transportation Research Board, 2017 (NCHRP Synthesis 512), 159 pp. <http://www.trb.org/Publications/Blurbs/176506.aspx>

### **Validity of Multiple Stress Creep Recovery (MSCR) Test for DOTD Asphalt Binder Specification /**

Md Sharear Kabir and William "Bill" King, Jr. -- Baton Rouge, LA : Louisiana Transportation Research Center (LTRC) ; Louisiana Dept. of Transportation and Development, 2017-09 (FHWA/LA.16/564), 92 pp. [http://www.ltrc.lsu.edu/pdf/2017/FR\\_564.pdf](http://www.ltrc.lsu.edu/pdf/2017/FR_564.pdf) ; [http://www.ltrc.lsu.edu/pdf/2017/ts\\_564.pdf](http://www.ltrc.lsu.edu/pdf/2017/ts_564.pdf)

## **Operations and Maintenance**

### **An Analysis of the Benefits of Using Underground Tanks for the Storage of Stormwater Runoff Generated at Virginia Department of Transportation Maintenance Facilities /**

G. Michael Fitch and James S. Gillespie -- Charlottesville, VA : Virginia Transportation Research Council; Richmond, VA : Virginia Dept. of Transportation, 2017-06 (FHWA/VTRC 17-R24), 21 pp. [http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/17-r24.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/17-r24.pdf)

### **Assessment of Salt Procurement and Distribution Process /**

William Schneider et al. -- Akron, OH : University of Akron ; Columbus, OH : Ohio Dept. of Transportation, 2017-08 (FHWA/OH-2017-26), 340 pp. <http://www.trb.org/main/blurbs/176569.aspx>

### **Evaluation of the GPS/AVL Systems for Snow and Ice Operations Resource Management /**

William H. Schneider IV et al. -- Akron, OH : University of Akron ; Columbus, OH : Ohio Dept. of Transportation, 2017-09 (FHWA/OH-2017-31), 272 pp. <http://www.trb.org/main/blurbs/176600.aspx>

## **Pavements**

### **Assessment of Continuous Deflection Measurement Devices in Louisiana - Rolling Wheel Deflectometer /**

Mostafa A. Elseifi and Omar Elbagalati -- Baton Rouge, LA : Louisiana State University, Dept. of Civil and Environmental Engineering ; Louisiana Dept. of Transportation and Development, 2017-09 (FHWA/LA.17/581), 147 pp. [http://www.ltrc.lsu.edu/pdf/2017/FR\\_581.pdf](http://www.ltrc.lsu.edu/pdf/2017/FR_581.pdf) ; [http://www.ltrc.lsu.edu/pdf/2017/ts\\_581.pdf](http://www.ltrc.lsu.edu/pdf/2017/ts_581.pdf)



**Best Practice Guide for Pavement Stabilisation /**

W. Gray -- [s.l.] : Opus International Consultants Limited ; Wellington, New Zealand : NZ Transport Agency, 2017-09 (NZ Transport Agency Research Report 622), 68 pp.  
<http://www.nzta.govt.nz/assets/resources/research/reports/622/622-best-practice-guide-for-pavement-stabilisation.pdf>

**Collection of Freeze-Thaw Performance Data on Vail Avenue /**

Cheng Li and Jeramy Ashlock -- Ames, IA : Iowa State University, Institute for Transportation ; Iowa Dept. of Transportation, 2017-08 (Iowa DOT Project HR-3013 ; InTrans Project 16-601), 87 pp. [http://www.dot.ca.gov/newtech/researchreports/reports/2017/CA17-3001\\_FinalReport.pdf](http://www.dot.ca.gov/newtech/researchreports/reports/2017/CA17-3001_FinalReport.pdf)

**Demonstration Project for Enhanced Durability of Asphalt Pavements Through Increased In-Place Pavement Density /**

Tim Aschenbrener et al. -- Auburn, AL : Auburn University, National Center for Asphalt Technology ; Washington, DC : Federal Highway Administration, Office of Asset Management, Pavement and Construction, 2017-07 (NCAT Report 17-05), 86 pp.  
<http://eng.auburn.edu/research/centers/ncat/files/technical-reports/rep17-05.pdf>

**Determination of Mechanical Properties for Cement-Treated Aggregate Base /**

M. Shabbir Hossain, Harikrishnan Nair, and H. Celik Ozyildirim -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-06 (FHWA/VTRC 17-R21), 54 pp. [http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/17-r21.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/17-r21.pdf)

**Incorporating Slab/Underlying Layer Interaction into the Concrete Pavement Analysis Procedures /**

L. Khazanovich and D. Tompkins -- Washington, DC : Transportation Research Board, 2017-02 (NCHRP Web-Only Document 236), 272 pp. <http://www.trb.org/main/blurbs/176363.aspx>

**Innovative Techniques for Maintenance, Repair and Reconstruction (MRR) of Asphalt Roadways /**

Baris Salman and Ossama (Sam) Salem -- Syracuse, NY : Syracuse University, Dept. of Civil and Environmental Engineering ; New York : City College of New York, University Transportation Research Center - Region 2, 2017-08, 95 pp.  
<http://www.utrc2.org/sites/default/files/Final-Report-Innovative-Techniques-for-Maintenance-Repair-Reconstruction.pdf>

**Line Laser and Triple Laser Quantification of the Difference in International Roughness Index Between Textured and Non-Textured Strips /**

Bernard Igbafen Izevbekhai and Hyung Jun Ahn -- Maplewood, MN : Minnesota Dept. of Transportation, Office of Materials and Road Research ; St. Paul, Minnesota : Minnesota Dept. of Transportation, Research Services & Library, 2017-07 (MN/RC 2017-28), 41 pp.  
<http://dot.state.mn.us/research/reports/2017/201728.pdf>

**Long-term Infiltration Capacity of Different Types of Permeable Pavements /**

Kirk R. Barrett and Mohamed Diallo -- Riverdale, NY : Manhattan College, Dept. of Civil and Environmental Engineering ; New York : City College of New York, University Transportation Research Center - Region 2, 2017-08, 23 pp.  
<http://www.utrc2.org/sites/default/files/Final-Report-Long-term-Infiltration-Capacity.pdf>

3<sup>rd</sup> Quarter, Acquisitions, Page 17 of 27

### **MnDOT Thin Whitetopping Selection Procedures /**

Peter Taylor et al. -- Ames, IA : Iowa State University, National Concrete Pavement Technology Center ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2017-06 (MN/RC2017-24), 86 pp. <http://dot.state.mn.us/research/reports/2017/201724.pdf>

### **New Procedures Offer Guidance for Using Bonded Whitetopping on Asphalt Pavements [TechSummary] /**

Peter Taylor and Dale Harrington -- St. Paul, MN : Minnesota Dept. of Transportation, 2017-09 (2017 24TS), 2 pp. <http://dot.state.mn.us/research/TS/2017/201724TS.pdf>

### **Pavement ME Design - A Summary of Local Calibration Efforts for Flexible Pavements /**

Mary M. Robbins et al. -- Auburn, AL : Auburn University, National Center for Asphalt Technology ; Lanham, MD : National Asphalt Pavement Association, 2017-08 (NCAT Report 17-07), 98 pp. <http://eng.auburn.edu/research/centers/ncat/files/technical-reports/rep17-07.pdf>

### **Pavement ME Design - Impact of Local Calibration, Foundation Support, and Design and Reliability Thresholds /**

Nam Tran et al. -- Auburn, AL : Auburn University, National Center for Asphalt Technology, 2017-09 (NCAT Report 17-08), 53 pp. <http://eng.auburn.edu/research/centers/ncat/files/technical-reports/rep17-08.pdf>

### **Prep-ME Software Implementation and Enhancement /**

Joshua Q. Li and Kelvin C.P. Wang -- Stillwater, OK : Oklahoma State University, School of Civil and Environmental Engineering ; Baton Rouge, LA : Louisiana Dept. of Transportation and Development, 2017-09 (FHWA/LA.17/582), 64 pp. [http://www.ltrc.lsu.edu/pdf/2017/FR\\_582.pdf](http://www.ltrc.lsu.edu/pdf/2017/FR_582.pdf) ; [http://www.ltrc.lsu.edu/pdf/2017/ts\\_582.pdf](http://www.ltrc.lsu.edu/pdf/2017/ts_582.pdf)

### **Specifying and Measuring Asphalt Pavement Density to Ensure Pavement Performance /**

Dale S. Decker -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 856), 57 pp. <http://www.trb.org/Publications/Blurbs/176497.aspx>

### **Validation of Hot-Poured Asphalt Crack Sealant Performance-Based Guidelines /**

Imad L. Al-Qadi et al. -- Champaign, IL : University of Illinois at Urbana-Champaign, Illinois Center for Transportation, 2016-11 (ICT-17-008 ; UILU-ENG-2017-2008), 26 pp. <https://apps.ict.illinois.edu/projects/getfile.asp?id=7301>

## **Planning**

### **Advancing Automated and Connected Vehicles: Policy and Planning Strategies for State and Local Transportation Agencies /**

Johanna Zmud et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 845), 149 pp. <http://www.trb.org/Publications/Blurbs/176418.aspx>

### **Autonomous Vehicles: A Policy Preparation Guide /**

National League of Cities, Center for City Solutions -- Washington, DC : NLC, 2017, 16 pp. <http://nlc.org/AVPolicy>

3<sup>rd</sup> Quarter, Acquisitions, Page 18 of 27

**Consumer Acceptance and Travel Behavior Impacts of Automated Vehicles - Final Report /**

Johanna Zmud, Ipek N. Sener, and Jason Wagner -- College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-01 (PRC 15-49 F), 65 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-15-49-F.pdf>

**Developing Countries /**

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2634), 109 pp. <http://trrjournalonline.trb.org/toc/trr/2017/2634/+>

**Federal Highway Administration Research and Technology Evaluation: National Household Travel Survey Program Final Report /**

Lora Chajka-Cadin et al. -- Cambridge, MA : Volpe National Transportation Systems Center ; McLean, VA: Federal Highway Administration, Office of Corporate Research, Technology, and Innovation Management, 2017-08 (FHWA-HRT-16-082), 102 pp.  
<https://www.fhwa.dot.gov/publications/research/randt/evaluations/16082/16082.pdf>

**A Framework for Equity in New Mobility /**

Stuart Cohen and Clarissa Cabansagan -- Oakland, CA : TransForm, 2017-06, 12 pp.  
[http://www.transformca.org/sites/default/files/A%20Framework%20for%20Equity%20in%20New%20Mobility\\_FINAL.pdf](http://www.transformca.org/sites/default/files/A%20Framework%20for%20Equity%20in%20New%20Mobility_FINAL.pdf)

**Inputing Missing Data via Sparse Reconstruction Techniques [TechSummary] /**

Constantine Caramanis -- Austin, TX : University of Texas at Austin, Data-Supported Transportation Operations & Planning Center (D-STOP), 2017-06 (D-STOP/2017/129), 5 pp.  
<http://ctr.utexas.edu/wp-content/uploads/129.pdf>

**Large-Scale Linear Programs in Planning and Prediction [TechSummary] /**

Constantine Caramanis -- Austin, TX : University of Texas at Austin, Data-Supported Transportation Operations & Planning Center (D-STOP), 2017-06 (D-STOP/2017/128), 5 pp.  
<http://ctr.utexas.edu/wp-content/uploads/128.pdf>

**Managed Lanes in Texas: A Review of the Application of Congestion Pricing - Final Report /**

Nick Wood et al. -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-09 (PRC 15-47 F), 69 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-15-47-F.pdf>

**Methodologies Used to Estimate and Forecast Vehicle Miles Traveled (VMT) - Final Report /**

Thomas A. Williams et al. -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-07 (PRC 15-40 F), 40 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-15-40-F.pdf>

**Metropolitan Planning Organizations in Texas: Overview and Profiles /**

Chris Simek and Tina Geiselbrecht -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2017-04 (PRC 17-87 F), 60 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-17-87-F.pdf>

3<sup>rd</sup> Quarter, Acquisitions, Page 19 of 27

**Miles to Go: Bringing School Transportation into the 21st Century /**

Philip Burgoyne-Allen and Jennifer O'Neal Schiess -- Wellsley Hills, MA : Bellwether Education Partners, 2017-05, 72 pp.

[https://bellwethereducation.org/sites/default/files/Bellwether\\_Bus-WFF-Transportation\\_FINAL.pdf](https://bellwethereducation.org/sites/default/files/Bellwether_Bus-WFF-Transportation_FINAL.pdf)

**OakMob 101: A Case Study in Expanding Access to Shared Mobility /**

Brytanee Brown -- Oakland, CA : TransForm, 2017-07, 28 pp.

[http://www.transformca.org/sites/default/files/OakMob\\_FINAL.pdf](http://www.transformca.org/sites/default/files/OakMob_FINAL.pdf)

**Port Authority of New York & New Jersey 30-Year Port Master Plan [Electronic] /**

Molly Campbell et al. -- New York : The Port Authority of NY & NJ (PANYNJ), 2017-08, 17 slides

<http://apps.njtpa.org/consultant/Consultant/Files/PANYNJ%20Port%20Master%20Plan%20Presentation%20FIC082117.pdf> ; <http://www.panynj.gov/port/port-master-plan.html>

**Resilient and Sustainable Transport - Dutch Style: An Interim Report on Bilateral Cooperation Between FHWA and Rijkwaterstaat /**

Federal Highway Administration -- Washington, DC : U.S. Dept. of Transportation, FHWA, 2017-08 (FHWA-HEP-17-089), 15 pp.

[https://www.fhwa.dot.gov/environment/sustainability/resilience/publications/dutch\\_style/fhwahep17089.pdf](https://www.fhwa.dot.gov/environment/sustainability/resilience/publications/dutch_style/fhwahep17089.pdf)

**Responding to the Threat of Sea Level Rise: Proceedings of a Forum /**

Steve Olson -- Washington, DC : National Academies Press, 2017, 45 pp.

<https://www.nap.edu/download/24847#>

**Rethinking Transportation 2020-2030: The Disruption of Transportation and the Collapse of the Internal-Combustion Vehicle and Oil Industries /**

James Arbib and Tony Seba -- [s.l.] : RethinkX - Disruption, Implications and Choices, 2017-05 (A RethinkX Sector Disruption Report), 77 pp.

[https://static1.squarespace.com/static/585c3439be65942f022bbf9b/t/59122a6c2e69cfca477235c5/1494362762632/RethinkX+Report\\_050917.pdf](https://static1.squarespace.com/static/585c3439be65942f022bbf9b/t/59122a6c2e69cfca477235c5/1494362762632/RethinkX+Report_050917.pdf)

**Strategies to Advance Automated and Connected Vehicles: Briefing Document /**

Transportation Research Board -- Washington, DC : TRB, 2017, 29 pp.

<http://www.trb.org/Main/Blurbs/176508.aspx>

**Synthesis of Approaches for Addressing Resilience in Project Development /**

Anne Choate et al. -- Washington, DC : ICF ; Federal Highway Administration ; Baltimore, MD : WSP USA ; Fairhope, AL : South Coast Engineers, 2017-07 (FHWA-HEP-17-082), 224 pp.

[https://www.fhwa.dot.gov/environment/sustainability/resilience/ongoing\\_and\\_current\\_research/tear/synthesis/index.cfm](https://www.fhwa.dot.gov/environment/sustainability/resilience/ongoing_and_current_research/tear/synthesis/index.cfm)

**Synthetic Household Travel Data Using Consumer and Mobile Phone Data /**

Josephine D. Kressner -- Washington, DC : Transportation Research Board, 2017-03 (NCHRP IDEA Project 184), 31 pp.

[http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Highway/NCHRP184\\_Final\\_Report.pdf](http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Highway/NCHRP184_Final_Report.pdf)

3<sup>rd</sup> Quarter, Acquisitions, Page 20 of 27

**Transportation and Land Use as Social Determinants of Health: Analysis of Exposure to Traffic in the Denver Metropolitan Region /**

Carolyn McAndrews et al. -- Denver, CO : University of Colorado Denver, Dept. of Urban and Regional Planning ; Dept. of Civil Engineering, Mountain-Plains Consortium - Region 8, 2017-06 (MPC 17-326), 38 pp. <http://www.ugpti.org/resources/reports/downloads/mpc17-326.pdf>

**Transportation Infrastructure Resiliency: A Review of Practices in Denmark, the Netherlands, and Norway /**

Federal Highway Administration -- Washington, DC : U.S. Dept. of Transportation, FHWA, 2017-06 (FHWA-HEP-17-077), 4 pp.  
[https://www.fhwa.dot.gov/environment/sustainability/resilience/publications/gbp\\_June\\_2017/fhwahep17077.pdf](https://www.fhwa.dot.gov/environment/sustainability/resilience/publications/gbp_June_2017/fhwahep17077.pdf)

**Transportation Planning Handbook - Fourth Edition /**

Institute of Transportation Engineers (ITE); Michael D. Meyer, editor -- 4th edition -- Hoboken, NJ : John Wiley & Sons, Inc., 2016, 1182 pp.

**Travelers' Value of Time and Reliability as Measured on Katy Freeway /**

Mark Burris et al. -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-09 (PRC 15-37 F), 85 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-15-37-F.pdf>

**Understanding Congestion Context and a Tool to Help Choose the Right Mitigation Strategies - Final Report /**

Phil Lasley and Maarit Moran -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-12 (PRC 16-59 F), 28 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-16-59-F.pdf>

**Vehicle Miles Traveled (VMT) Fees: Preliminary Report - Tasks 1 and 2 /**

Richard "Trey" Baker -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2014-03 (PRC 14-02-P), 69 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-14-02-P.pdf>

**Rail**

**Class III / Short Line System Inventory to Determine 286,000 lb. (129,844 kg) Railcar Operational Status in Kansas /**

Eric J. Fitzsimmons, Stacey Tucker-Kulesza, and Lisa Shofstall -- Manhattan, KS : Kansas State University Transportation Center, Dept. of Civil Engineering ; Topeka, KS : Kansas Dept. of Transportation, Bureau of Research, 2017-08 (K-TRAN: KSU-16-5), 107 pp.  
<https://dmsweb.ksdot.org/AppNetProd/docpop/docpop.aspx>

**Technical and Safety Evaluation of the Southern California Regional Rail Authority Positive Train Control Deployment Project: Challenges and Lessons Learned /**

Greg Placencia, John Franklin, and James E. Moore II -- Los Angeles, CA : University of Southern California, Dept. of Contracts and Grants ; Washington, DC : U.S. Dept. of Transportation, Federal Transit Administration, 2017-07 (FTA Report No. 0112), 55 pp.  
<https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/64636/ftareportno0112.pdf>

3<sup>rd</sup> Quarter, Acquisitions, Page 21 of 27

## **Reference**

### **Manual of the Legislature of New Jersey: Two Hundred and Seventeenth Legislature (Second Session) - 2017 /**

Lawyers Diary and Manual, LLC - by authority of the Legislature -- Summit, NJ : Lawyers Diary and Manual, LLC, 2017, 1104 pp.

## **Research**

### **Development of a Process for Quantifying the Benefits of Research /**

Howard Preston and Jacqueline Dowds Bennett -- Mendota Heights, MN : CH2M Hill ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2017-07 (MN/RC 2017-13), 90 pp. <http://dot.state.mn.us/research/reports/2017/201713.pdf>

### **A New Vision for Center-Based Engineering Research /**

National Academy of Engineering, National Materials and Manufacturing Board, Committee on a Vision for the Future of Center-Based Multidisciplinary Engineering Research -- Washington, DC : National Academies Press, 2017, 103 pp. <https://www.nap.edu/download/24767#>

### **Research and Education /**

Transportation Research Board -- Washington, DC : TRB, 2017 (Transportation Research Record No. 2614), 38 pp. <http://trrjournalonline.trb.org/toc/trr/2017/2614/+>

## **Right-of-Way**

### **The Appraisal of Real Estate /**

Appraisal Institute -- 13th edition -- Chicago : Appraisal Institute, 2008, 742 pp.

### **A Business Enterprise Value Anthology /**

David C. Lennhoff, editor -- 2nd edition -- Chicago : Appraisal Institute, 2011, 328 pp.

### **Land Valuation: Adjustment Procedures and Assignment /**

James H. Boykin -- Chicago : Appraisal Institute, 2001, 288 pp.

### **Market Analysis for Valuation Appraisals /**

Stephen F. Fanning, Terry V. Grissom, and Thomas D. Pearson -- Chicago : Appraisal Institute, 1994, 448 pp.

### **Scope of Work /**

Stephanie Coleman -- Chicago : Appraisal Institute, 2006, 114 pp.

### **Uniform Standards of Professional Appraisal Practice - 2016-2017 Edition /**

Appraisal Standards Board -- 2016-2017 edition -- Washington, DC : Appraisal Foundation, 2016 (Uniform Standards of Professional Appraisal Practice (USPAP)), 378 pp.

3<sup>rd</sup> Quarter, Acquisitions, Page 22 of 27

## **Safety & Human Performance**

### **Active Safety-Collision Warning Pilot in Washington State /**

Jerry Spears et al. -- Washington, DC : Transportation Research Board, 2017-05 (Transit IDEA Project 82), 33 pp. <http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Transit/Transit82.pdf>

### **Age-Related Differences in Driver Behavior Associated with Automated Vehicles and the Transfer of Control Between Automated and Manual Control: A Simulator Evaluation /**

Lisa J. Molnar et al. -- Ann Arbor, MI : University of Michigan Transportation Research Institute, Mobility Transformation Center, 2017-05 (UMTRI 2017-4), 55 pp.  
<https://deepblue.lib.umich.edu/bitstream/handle/2027.42/137653/UMTRI-2017-4%20.pdf?sequence=3&isAllowed=y>

### **Development of a Transition Between an Energy-Absorbing Concrete Barrier and a Rigid Concrete Buttress /**

Tyler L. Schmidt et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Nebraska Dept. of Roads, 2016-09 (TRP-03-336-16), 611 pp.

### **Development of a Transition Between Free-Standing and Reduced-Deflection Portable Concrete Barriers - Phase I /**

M. Asadollahi Pajouh et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Madison, WI : Wisconsin Dept. of Transportation, 2017-08 (TRP-03-366-17), 59 pp.

### **Development of Crash Modification Factors for Uncontrolled Pedestrian Crossing Treatments /**

Charles Zegeer et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 841), 154 pp. <http://www.trb.org/Publications/Blurbs/175381.aspx>

### **Estimation of Potential Safety Benefits for Pedestrian Crash Avoidance/Mitigation Systems /**

Mikio Yanagisawa et al. -- Cambridge, MA : U.S. Dept. of Transportation, John A. Volpe National Transportation Systems Center ; Washington, DC : National Highway Traffic Safety Administration (NHTSA), 2017-04 (DOT HS 812 400), 150 pp.

### **Evaluation of Adjustable Continuity Joint: Variation for Use in the RESTORE Barrier /**

Scott K. Rosenbaugh et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Nebraska Dept. of Roads, 2017-06 (TRP-03-363-17), 100 pp.

### **Improving Safety in Pavement Field Testing /**

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, 2017-09 (FDOT BDV25-977-27), 103 pp. [http://www.fdot.gov/research/Completed\\_Proj/Summary\\_SMO/FDOT-BDV25-977-27-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_SMO/FDOT-BDV25-977-27-rpt.pdf)

### **Innovative Tools and Techniques in Identifying Highway Safety Improvement Projects: Technical Report /**

Ioannis Tsapakis et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-08 (FHWA/TX-17/0-6912-1), 190 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6912-1.pdf> ; <http://tti.tamu.edu/documents/0-6912-S.pdf>

**Marijuana-Impaired Driving - A Report to Congress /**

Richard P. Compton -- Washington, DC : U.S. Dept. of Transportation, National Highway Traffic Safety Administration (NHTSA), Office of Behavioral Safety Research, 2017-07 (DOT HS 812 440), 44 pp. <https://www.nhtsa.gov/sites/nhtsa.dot.gov/files/documents/812440-marijuana-impaired-driving-report-to-congress.pdf>

**MMUCC Guideline: Model Minimum Uniform Crash Criteria - Fifth Edition (2017) /**

National Highway Traffic Safety Administration -- 5th edition -- Washington, DC : U.S. Dept. of Transportation, NHTSA, 2017-07 (DOT HS 812 433), 236 pp. <https://www.nhtsa.gov/about-mmucc>

**The New Traffic Safety Paradigm /**

Todd Litman -- British Columbia, Canada : Victoria Transport Policy Institute, 2017-07, 19 pp. <http://www.vtpi.org/ntsp.pdf>

**North Dakota Youth Occupant Protection Survey: 2016 Pilot Design and Implementation /**

Kimberly Vachal and Laurel Benson -- Fargo, ND : North Dakota State University, Upper Great Plains Transportation Institute, 2017-07 (Department Publication No. 294), 44 pp. <http://www.ugpti.org/resources/reports/downloads/dp-294.pdf>

**Older Novice Driver Crashes in New Jersey: Informing the Need for Extending Graduated Driver Licensing Restrictions /**

Allison E. Curry, Kristina B. Metzger, and Allan F. Williams -- Washington, DC : AAA Foundation for Traffic Safety, 2017-07, 37 pp. [https://www.aaafoundation.org/sites/default/files/GDLOlderNoviceDriversNJ\\_Final.pdf](https://www.aaafoundation.org/sites/default/files/GDLOlderNoviceDriversNJ_Final.pdf)

**Phase II Vehicle Dynamics Testing of Roadside Rock Liners /**

Mojdeh Asadollahi Pajouh et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Madison, WI : Wisconsin Dept. of Transportation, 2017-07 (TRP-03-364-17), 97 pp.

**Ranking EU Progress on Road Safety: 11th Road Safety Performance Index Report /**

Dovile Adminaitė et al. -- Brussels : European Transport Safety Council, 2017-06, 40 pp. [http://etsc.eu/wp-content/uploads/PIN\\_ANNUAL\\_REPORT\\_2017-final.pdf](http://etsc.eu/wp-content/uploads/PIN_ANNUAL_REPORT_2017-final.pdf)

**Reducing Speeding-Related Crashes Involving Passenger Vehicles - Safety Study /**

National Transportation Safety Board -- Washington, DC : NTSB, 2017-07 (NTSB/SS-17/01), 97 pp. <https://www.ntsb.gov/safety/safety-studies/Documents/SS1701.pdf>

**Safety Evaluation of Cable Median Barriers in Combination with Rumble Strips on the Inside Shoulder of Divided Roads /**

Raghavan Srinivasan et al. -- Vienna, VA : VHB ; Toronto : Persaud & Lyon, Inc. ; Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, 2017-08 (FHWA-HRT-17-070), 74 pp. <https://www.fhwa.dot.gov/publications/research/safety/17070/index.cfm>

**Safety Evaluation of Cable Median Barriers in Combination with Rumble Strips on the Inside Shoulder of Divided Roads [TechBrief] /**

Turner-Fairbank Highway Research Center -- McLean, VA : U.S. Dept. of Transportation, Federal Highway Administration, 2017-08 (FHWA-HRT-17-071), 8 pp. <https://www.fhwa.dot.gov/publications/research/safety/17071/17071.pdf>



### **Safety Evaluation of Multiple Strategies at Signalized Intersections [TechBrief] /**

Turner-Fairbank Highway Research Center -- McLean, VA : U.S. Dept. of Transportation, Federal Highway Administration, 2017-08 (FHWA-HRT-17-063), 8 pp.  
<https://www.fhwa.dot.gov/publications/research/safety/17063/17063.pdf>

### **Safety investigation and Design Guidance for Curbs Near Energy-Absorbing End Terminals /**

Jennifer D. Schmidt et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Madison, WI : Wisconsin Dept. of Transportation, 2017-07 (TRP-03-358-17), 155 pp.

### **Tapping the Potential for Reducing Work-Related Road Deaths and Injuries /**

Dovile Adminaitė et al. -- Brussels : European Transport Safety Council, 2017-06 (PIN Flash Report 33), 44 pp. [http://etsc.eu/wp-content/uploads/PIN\\_FLASH33-final.pdf](http://etsc.eu/wp-content/uploads/PIN_FLASH33-final.pdf)

## **Security**

### **Cities and Disasters /**

Davia Cox Downey, editor -- Boca Raton, FL : CRC Press, 2016, 303 pp

### **Cybersecurity Planning Weaknesses May Hinder the Efficient Use of Future Resources - Audit Report /**

Louis C. King -- Washington, DC : U.S. Dept. of Transportation, Office of Inspector General, 2017-08 (FI2017066), 24 pp. <http://www.trb.org/main/blurbs/176425.aspx>

## **Technology Transfer**

### **Evaluation of 3-D Laser Scanning Equipment: 2016 Interim 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 Material and Physical Research, 2017-05 (FHWA-ICT-17-009), 22 pp.  
<https://apps.ict.illinois.edu/projects/getfile.asp?id=5234>

### **Moving Research into Practice: Technology Transfer Successes /**

Transportation Research Board -- Washington, DC : TRB, 2017 (TR News No. 310 (July-August 2017)), 72 pp. <http://www.trb.org/Publications/Blurbs/176555.aspx>

## **Traffic**

### **2016 Urban Congestion Trends: Using Technology to Measure, Manage, and Improve Operations [TechBrief] /**

Federal Highway Administration -- Washington, DC : FHWA, 2017-05 (FHWA-HOP-17-010), 8 pp.  
<https://ops.fhwa.dot.gov/publications/fhwahop17010/fhwahop17010.pdf>

3<sup>rd</sup> Quarter, Acquisitions, Page 25 of 27

### **Automated Turning Movement Counts for Shared Lanes Using Existing Vehicle Detection Infrastructure /**

David Noyce et al. -- Madison, WI : University of Wisconsin-Madison, Traffic Operations and Safety Laboratory ; Washington, DC : Transportation Research Board, 2016 (NCHRP IDEA Project 177), 37 pp.  
[http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Highway/NCHRP177\\_Final\\_Report.pdf](http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Highway/NCHRP177_Final_Report.pdf)

### **Designing Road Diet Evaluations: Lessons Learned from San Jose's Lincoln Avenue Road Diet /**

Hilary Nixon, Asha Weinstein Agrawal, and Cameron Simons -- San Jose, CA : San Jose State University, College of Business, Mineta Transportation Institute ; Washington, DC : U.S. Dept. of Transportation, Office of the Secretary for Research and Technology, University Transportation Centers Program, 2017-07 (CA-MTI-17-1629 ; MTI Report WP 12-14), 121 pp. <http://transweb.sjsu.edu/PDFs/research/1629-road-diet-evaluation-design-lessons-learned-from-san-jose-lincoln-ave.pdf>

### **Development and Testing of Responder Phase III /**

Stephen Donecker et al. -- Davis, CA : University of California at Davis, Dept. of Mechanical & Aerospace Engineering, AHMCT Research Center ; Sacramento, CA : California Dept. of Transportation, 2017-06 (CA16-1846), 118 pp.  
[http://www.dot.ca.gov/hq/research/researchreports/reports/2017/CA16-1846\\_FinalReport.pdf](http://www.dot.ca.gov/hq/research/researchreports/reports/2017/CA16-1846_FinalReport.pdf)

### **Guide for Identifying, Classifying, Evaluating, and Mitigating Truck Freight Bottlenecks /**

Dike Ahanotu et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 854), 117 pp. <http://www.trb.org/Publications/Blurbs/176115.aspx>

### **Pilot Evaluation of the Use of Contract Towing and First Responder Strategies in the Virginia Department of Transportation's Staunton District /**

Lance E. Dougald and Ramkumar Venkatanarayana -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-06 (FHWA/VTRC 17-R23), 52 pp.  
[http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/17-r23.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/17-r23.pdf)

### **Preferential Lane Use for Heavy Trucks - Final Report /**

Susan T. Chrysler -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-07 (PRC 15-39 F), 29 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-15-39-F.pdf>

### **Review of Literature and Practices for Incident Management Programs /**

Tim Lomax and Lauren Simcic -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2016-06 (PRC 15-56 T), 50 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-15-56-T.pdf>

### **Sustainable Operation of Arterial Networks /**

Dileep Kalathil et al. -- Berkeley, CA : University of California at Berkeley, Institute of Transportation Studies ; Sacramento, CA : California Dept. of Transportation, Division of Research Innovation & Systems Information, 2017-07 (CA17-3001), 73 pp.  
[http://www.dot.ca.gov/newtech/researchreports/reports/2017/CA17-3001\\_FinalReport.pdf](http://www.dot.ca.gov/newtech/researchreports/reports/2017/CA17-3001_FinalReport.pdf)

3<sup>rd</sup> Quarter, Acquisitions, Page 26 of 27

### **Traffic Predictive Control: Case Study and Evaluation /**

Samuel Coogan and Maxence Dutreix -- Berkeley, CA : Regents of the University of California-Berkeley, Sponsored Projects Office ; Sacramento, CA : California Dept. of Transportation, Division of Procurements and Contracts, 2017-06 (CA17-2959), 21 pp.  
[http://www.dot.ca.gov/hq/research/researchreports/reports/2017/CA17-2959\\_FinalReport.pdf](http://www.dot.ca.gov/hq/research/researchreports/reports/2017/CA17-2959_FinalReport.pdf)

### **Transit**

#### **A Review of Capital Improvement Grant Program and the Need for a Uniform Project Selection Process /**

P.S. Sriraj et al. -- Chicago, IL : University of Illinois at Chicago, College of Urban Planning and Public Affairs, Urban Transportation Center, 2017-07 (UIC-2117-9050-02-C), 40 pp.  
<https://utc.uic.edu/wp-content/uploads/Ranking-Northeast-Illinois-New-Starts-Transit-Potential-Expansion-for-Metra-and-CTA-Final-Report.pdf>

#### **Sources of Funding Transit in Texas - Final Report /**

Linda Cherrington, Shuman Tan, and Todd Hansen -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2017-04 (PRC 15-11.2), 52 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-15-11-2.pdf>

### **Work Zones**

#### **Evaluation of Automated Flagger Assistance Devices - Interim Report /**

Henry Brown et al. -- Columbia, MO : University of Missouri, Civil and Environmental Engineering ; Jefferson City, MO : Missouri Dept. of Transportation, Construction and Materials Division, 2017-08 (cmr 17-010), 65 pp. <https://library.modot.mo.gov/RDT/reports/TR201717/cmr17-010.pdf>

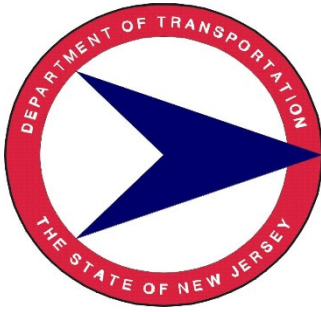
#### **In-Vehicle Work Zone Messages /**

Nichole L. Morris, Curtis M. Craig, Jacob Achtemeier, et al. -- Minneapolis, MN : University of Minnesota, Dept. of Mechanical Engineering, HumanFIRST Program ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library ; Minnesota Local Road Research Board, 2017-06 (MN/RC 2017-19), 77 pp. <http://dot.state.mn.us/research/reports/2017/201719.pdf>

#### **Small City Work Zone Sign Package Program Implementation /**

Paul Albritton and Keith Knapp -- Ames, IA : Iowa State University, Iowa Local Technical Assistance Program ; Iowa Dept. of Transportation, 2017-07 (InTrans Project 16-585), 37 pp.  
[http://www.intrans.iastate.edu/research/documents/research-reports/small\\_city\\_work\\_zone\\_sign\\_pkg\\_progr am\\_w\\_cvr.pdf](http://www.intrans.iastate.edu/research/documents/research-reports/small_city_work_zone_sign_pkg_progr am_w_cvr.pdf)

3<sup>rd</sup> Quarter, Acquisitions, Page 27 of 27



**NJ DEPARTMENT OF  
TRANSPORTATION RESEARCH  
LIBRARY  
SELECTED RECENT ACQUISITIONS  
October - December 2017**

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.nj.gov](mailto:library@dot.nj.gov) (Library, DOT) or call 609-530-5289 for these or any other publications.

**Administration and Management**

**Annual Report 2016-2017 /**

Louisiana Transportation Research Center -- Baton Rouge, LA : Louisiana Dept. of Transportation and Development ; Louisiana State University, 2017, 32 pp.  
[http://www.ltrc.lsu.edu/pdf/2017/16\\_17annrpt\\_web.pdf](http://www.ltrc.lsu.edu/pdf/2017/16_17annrpt_web.pdf)

**Developing and Sustaining a Transportation Systems Management & Operations Mission for Your Organization: A Primer for Program Planning /**

Michael Grant et al. -- Reston, VA : Leidos ; Washington, DC : ICF ; Boulder, CO : Pat Noyes & Associates, 2017-09 (FHWA-HOP-17-017), 80 pp.  
<https://ops.fhwa.dot.gov/publications/fhwahop17017/fhwahop17017.pdf>

**Engineering Ethics: Real World Case Studies /**

Steven K. Starrett, Amy L. Lara, and Carlos Bertha -- Reston, VA : American Society of Civil Engineers Press, 2017, 141 pp.

**Highway Cost Index Estimator Tool - Final Report /**

Brent Huntsman et al. -- College Station, TX : Texas A&M Transportation Institute, Transportation Policy Research Center, 2017-10 (PRC 17-73), 27 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-17-73.pdf>

**Keeping What You Paid For - Retaining Essential Consultant-Developed Knowledge Within DOTs /**

Frances D. Harrison, Myra Howze Shiplett, and Malcolm T. Kerley -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 867), 74 pp.  
<http://www.trb.org/Publications/Blurbs/177047.aspx>

**Measuring Infrastructure Asset Performance and Customer Satisfaction: A Review of Existing Frameworks /**

Bureau of Infrastructure, Transport and Regional Economics (BITRE) -- Canberra ACT, Australia : Dept. of Infrastructure and Regional Development, BITRE, 2017-09 (Report 147), 170 pp.  
[https://bitre.gov.au/publications/2017/files/rr\\_147.pdf](https://bitre.gov.au/publications/2017/files/rr_147.pdf)

4<sup>th</sup> Quarter, Acquisitions, Page 1 of 22

**Mysteries of the FAR Revealed: Using the AASHTO Audit Guide for the Procurement and Administration of A/E Contracts - Participant Workbook [Looseleaf] /**

National Highway Institute -- Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, NHI, 2012-02 (FHWA-NHI-11-053), various pagings

**Aviation**

**Assessing Aircraft Noise Conditions Affecting Student Learning - Case Studies /**

Mary Ellen Eagan et al. -- Washington, DC : Transportation Research Board, 2017-05 (Web-Only Document 34), 257 pp. <http://nap.edu/24941>

**Assessing Community Annoyance of Helicopter Noise /**

Vincent Mestre et al. -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 181), 135 pp. <http://www.trb.org/Publications/Blurbs/176822.aspx>

**Enhancing Airport Wayfinding for Aging Travelers and Persons with Disabilities /**

James R. Harding, Jr. et al. -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 177), 318 pp. <http://www.trb.org/Publications/Blurbs/176718.aspx>

**Evolving Law on Airport Implications by Unmanned Aerial Systems /**

Timothy M. Ravich -- Washington, DC : Transportation Research Board, 2017-10 (Legal Research Digest 32), 9 pp. <http://www.trb.org/Publications/Blurbs/176738.aspx>

**Guidebook for Quantifying Airport Ground Access Vehicle Activity for Emissions Modeling /**

Michael Kenney et al. -- Washington, DC : Transportation Research Board, 2017 (ACRP Research Report 180), 42 pp. <http://www.trb.org/main/blurbs/176779.aspx>

**Overview of Airport Duties and Standards of Care in Airfield Accident Cases /**

Jodi Howick -- Washington, DC : Transportation Research Board, 2017-10 (Legal Research Digest 33), 47 pp. <http://www.trb.org/Publications/Blurbs/176739.aspx>

**Bicycles and Pedestrians**

**Accessible Shared Streets: Notable Practices and Considerations for Accommodating Pedestrians with Vision Disabilities /**

J. Elliott et al. -- Silver Spring, MD : Toole Design Group, Inc. ; Asheville, NC : Accessible Design for the Blind ; Cambridge, MA : Cambridge Systematics, Inc. ; Washington, DC : Federal Highway Administration, 2017-10 (FHWA-HEP-17-096), 40 pp.  
[https://www.fhwa.dot.gov/environment/bicycle\\_pedestrian/publications/accessible\\_shared\\_streets/fhwahep\\_17096.pdf](https://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/accessible_shared_streets/fhwahep_17096.pdf)

**The Life-Saving Potential of Pedestrian Detection Systems [Fact Sheet] /**

Volpe Center -- Washington, DC : U.S. Dept. of Transportation, Volpe Center, 2017, 1 oversized sheet <https://www.volpe.dot.gov/sites/volpe.dot.gov/files/docs/our-work/61526/pedestrian-detection-systems.pdf>

4<sup>th</sup> Quarter, Acquisitions, Page 2 of 22

## **Bridges and Structures**

### **2018 Interim Revisions to the LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals [Looseleaf] /**

American Association of State Highway and Transportation Officials -- 1st edition -- Washington, DC : AASHTO, 2017 (Pub. Code: LRFDLTS-1-12), 62 pp. <https://bookstore.transportation.org>

### **AASHTO LRFD Bridge Design Specifications [Looseleaf] /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Bridges and Structures, 2016 -- 8th edition -- Washington, DC : AASHTO, 2017-09 (Pub. Code: LRFD-8), 1781 pp. <https://bookstore.transportation.org/>

### **AASHTO LRFD Movable Highway Bridge Design Specifications, 2nd Edition (2007) - 2018 Interim Revisions /**

American Association of State Highway and Transportation Officials -- 2nd edition -- Washington, DC : AASHTO, 2017 (Pub. Code: LRFDMOV-2-17), 54 pp. <https://bookstore.transportation.org>

### **AASHTO/AWS D1.5M/D1.5:2015 Bridge Welding Code, 7th Edition - 2018 AASHTO Interim Revisions [Looseleaf] /**

American Association of State Highway and Transportation Officials -- Washington, DC : AASHTO, 2017 (Pub. Code: BWC-7-11-OL), 29 pp. [https://bookstore.transportation.org/free\\_publications.aspx?itemID=3913](https://bookstore.transportation.org/free_publications.aspx?itemID=3913)

### **Adjacent Box Beam Connections: Performance and Optimization [TechBrief] /**

Turner-Fairbank Highway Research Center -- McLean, VA : U.S. Dept. of Transportation, Federal Highway Administration, 2017-11 (FHWA-HRT-17-094), 12 pp. <https://www.fhwa.dot.gov/publications/research/infrastructure/structures/bridge/17094/17094.pdf>

### **Advanced Methodology to Assess Riprap Rock Stability at Bridge Piers and Abutments /**

Oscar Suaznabar et al. -- Newport News, VA ; GENEX Systems, LLC ; McLean, VA : Federal Highway Administration, Turner-Fairbank Highway Research Center, 2017-10 (FHWA-HRT-17-054), 100 pp. <https://www.fhwa.dot.gov/publications/research/infrastructure/structures/bridge/17054/17054.pdf>

### **Advancing Implementation of Geosynthetic Reinforced Soil Integrated Bridge Systems (GRS-IBS) /**

Andrew Boeckmann, Eric Lindsey, and John Bowders -- Columbia, MO : University of Missouri-Columbia, Dept. of Civil and Environmental Engineering ; Ames, IA : Midwest Transportation Center ; Jefferson City, MO : Missouri Dept. of Transportation, Construction & Materials Division, 2017-10, 72 pp. [http://www.intrans.iastate.edu/research/documents/research-reports/GRS-IBS\\_implementation\\_advancements\\_w\\_cvr.pdf](http://www.intrans.iastate.edu/research/documents/research-reports/GRS-IBS_implementation_advancements_w_cvr.pdf)

### **Basic Hydrology & Hydraulics: DES 601 /**

[Austin, TX : University of Texas-Austin, Center for Transportation Research] ; Texas Dept. of Transportation, 2017 (TxDOT Project 0-6841-P1), 3 files, MS Excel, MS PowerPoint, MP4 video in .zip file <http://library.ctr.utexas.edu/hostedpdfs/texastech/0-6841-p1.zip>

### **Behavior of a Steel Girder Bolted Splice Connection /**

Justin M. Ocel -- McLean, VA : Federal Highway Administration, Turner-Fairbank Highway Research Center, Bridge and Foundation Engineering Team, 2017-11 (FHWA-HRT-17-042), 90 pp. <https://www.fhwa.dot.gov/publications/research/infrastructure/structures/bridge/17042/17042.pdf>

**Bridge Maintenance Program for the City of Columbia, Missouri /**

Glenn Washer, Mohammad Hamed, and Henry Brown -- Columbia, MO : University of Missouri-Columbia, Dept. of Civil and Environmental Engineering, Transportation Infrastructure Center ; City of Columbia, Missouri ; Ames, IA : Midwest Transportation Center, 2017-09, 87 pp.  
[http://www.intrans.iastate.edu/research/documents/research-reports/columbia\\_mo\\_bridge%20\\_mtc\\_program\\_w\\_cvr.pdf](http://www.intrans.iastate.edu/research/documents/research-reports/columbia_mo_bridge%20_mtc_program_w_cvr.pdf)

**Composite Action in Prestressed NU I-Girder Bridge Deck Systems Constructed with Bond Breakers to Facilitate Deck Removal /**

Chaohui Li, Remy D. Lequesne, and Adolfo Matamoros -- Lawrence, KS : University of Kansas, Dept. of Civil, Environmental & Architectural Engineering ; Topeka, KS : Kansas Dept. of Transportation, 2017-11 (K-TRAN: KU-15-1), 188 pp.  
<https://dmsweb.ksdot.org/AppNetProd/docpop/docpop.aspx>

**Development of a Portable Stress Measurement Instrument /**

Glen Washer, Pedro Ruiz-Fabian, and Paul Fuchs -- Washington, DC : Transportation Research Board, 2017-10 (NCHRP IDEA Project 179), 38 pp.  
<http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Highway/NCHRP179.pdf>

**Eleventh International Bridge and Structures Management Conference /**

Transportation Research Board, Standing Committee on Bridge Management (AHD35) -- Washington, DC: TRB, 2017-10 (Transportation Research Circular E-C224), 289 pp.  
<http://onlinepubs.trb.org/onlinepubs/circulars/ec224.pdf>

**Evaluation of the Buchanan County IBRD Bridge on Victor Avenue over Prairie Creek /**

Brent Phares et al. -- Ames, IA : Iowa State University, Bridge Engineering Center ; Iowa Dept. of Transportation, 2017-09 (In-Trans Project 12-427), 73 pp.  
<http://www.trb.org/main/blurbs/176601.aspx>

**FHWA LTBP Summary - Current Information on the Use of Overlays and Sealers [TechSummary] /**

Susan Lane et al. -- McLean, VA : Federal Highway Administration, Turner-Fairbank Highway Research Center, 2017-10 (FHWA-HRT-16-079), 11 pp.  
<https://www.fhwa.dot.gov/publications/research/infrastructure/structures/bridge/16079/16079.pdf>

**Implementation Guidance for Accelerated Bridge Construction in South Dakota /**

Shiling Pei, Nadim I. Wehbe, and Melissa McMullen -- Golden, CO : Colorado School of Mines, Dept. of Civil and Environmental Engineering ; Fargo, ND : North Dakota State University, Mountain-Plains Consortium, 2017-09 (MPC 17-331), 94 pp.  
<http://www.ugpti.org/resources/reports/downloads/mpc17-331.pdf>

**Implementation of a Precast Inverted T-Beam System in Virginia - Part I : Laboratory Investigations /**

Fatmir Menkulasi, Thomas E. Cousins, and Carin L. Roberts-Wollmann -- Blacksburg, VA : Virginia Polytechnic Institute and State University, Charles E. Via, Jr. Dept. of Civil and Environmental Engineering ; Richmond, VA : Virginia Dept. of Transportation ; Charlottesville, VA : Virginia Transportation Research Council, 2017-10 (FHWA/VTRC 18-R7), 72 pp.  
[http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/18-r7.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/18-r7.pdf)

### **In-Service Performance Evaluation and Monitoring of a Hybrid Composite Beam Bridge System /**

Devin K. Harris and John M. Civitillo -- Charlottesville, VA : University of Virginia, Dept. of Civil and Environmental Engineering ; Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-10 (FHWA/VTRC 18-R5), 54 pp.  
[http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/18-r5.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/18-r5.pdf)

### **Investigation of Prefabricated Steel-Truss Bridge Deck Systems /**

Damon Fick et al. -- Bozeman, MT : Montana State University, Civil Engineering Dept., Western Transportation Institute ; Helena, MT : Montana Dept. of Transportation, Research Programs, 2017-12 (FHWA/MT-17-009/8226-001), 70 pp.  
[http://www.mdt.mt.gov/other/webdata/external/research/docs/research\\_proj/prefab\\_steel\\_bridge/FINAL\\_R EPORT.pdf](http://www.mdt.mt.gov/other/webdata/external/research/docs/research_proj/prefab_steel_bridge/FINAL_R EPORT.pdf)

### **Joint-Effort Mobile Bridge Load-Capacity Evaluation Invention is "a Hit" /**

U.S. Department of Transportation, Office of the Secretary of Transportation, University Transportation Centers Program -- Washington, DC : U.S. DOT, 2017-09 (UTC Spotlight No. 114), 2 pp.  
<https://www.transportation.gov/sites/dot.gov/files/docs/utc/285131/utcnewsletter114september.pdf>

### **Manual for Bridge Element Inspection, First Edition, 2013 - 2018 Interim Revisions [Looseleaf] /**

American Association of State Highway and Transportation Officials -- 1st edition -- Washington, DC : AASHTO, 2017 (Pub. Code: MBEI-1-12), 6 pp. <https://bookstore.transportation.org>

### **Modeling a Change in Flowrate through Detention or Additional Pavement on the Receiving Stream: Final Report /**

Theodore G. Cleveland, Marian R. Schwarz, and Cristal C. Tay -- Lubbock, TX : Texas Tech University, Water Resources Center ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-11 (FHWA/TX-17/0-6841-1), 64 pp.  
<https://library.ctr.utexas.edu/hostedpdfs/texastech/0-6841-1.pdf> ; Summary -  
<https://library.ctr.utexas.edu/hostedpdfs/texastech/0-6841-s.pdf>

### **Scour Evaluation Model Implementation Phase (Volumes 1 and 2) /**

John R. Schuring, Robert Dresnack, and Eugene Golub -- Newark, NJ : New Jersey Institute of Technology, Dept. of Civil and Environmental Engineering ; Trenton, NJ : New Jersey Dept. of Transportation, 2017-11 (FHWA-NJ-2017-015), in 2 volumes, 40 pp., 103 pp.  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-015-Volume-I.pdf>  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-015-TB.pdf>

### **Specification for Application of Thermal Spray Coating Systems to Steel Bridges, S8.2 - 2017 / SSPC-PA 18 /**

American Association of State Highway and Transportation Officials, Highways Subcommittee on Bridges and Structures, 2017 and AASHTO/NSBA Steel Bridge Collaboration -- Washington, DC : AASHTO ; Steel Bridge Alliance (NSBA) ; The Society for Protective Coatings (SSPC), 2017 (Item Code: NSBAATSC-1), 50 pp. [https://bookstore.transportation.org/item\\_details.aspx?ID=3910](https://bookstore.transportation.org/item_details.aspx?ID=3910)

4<sup>th</sup> Quarter, Acquisitions, Page 5 of 22



## **Construction**

### **Air Quality Benefits of Nighttime Construction in Texas Non-Attainment Counties – Technical Report /**

Reza Farzaneh et al. -- College Station, TX : Texas A&M University System, Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-10 (FHWA/TX-17/0-6864-P1), 192 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6864-1.pdf>

### **Cost Participation Policy for Detours /**

CTC & Associates LLC -- St. Paul, MN : Minnesota Dept. of Transportation, Office of Transportation System Management, Research Services & Library, 2017-11 (TRS 1708), 48 pp.  
<http://dot.state.mn.us/research/TRS/2017/TRS1708.pdf>

### **Decision Support Tool for Nighttime Construction and Air Quality - User's Guide /**

Tara Ramani et al. -- College Station, TX : Texas A&M University System, Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-11 (FHWA/TX-18/0-6864-P1), 30 pp.  
<https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6864-P1.pdf>

## **Energy and Environment**

### **The Barriers to Acceptance of Plug-in Electric Vehicles: 2017 Update /**

Mark Singer -- Golden, CO: U.S. Dept. of Energy, National Renewable Energy Laboratory (NREL), 2017-11 (NREL/TP-5400-70371), 52 pp.  
[https://www.afdc.energy.gov/uploads/publication/barriers\\_acceptance\\_pev\\_2017\\_update.pdf](https://www.afdc.energy.gov/uploads/publication/barriers_acceptance_pev_2017_update.pdf)

### **Culvert Length and Interior Lighting Impacts to Topeka Shiner Passage /**

Jessica Kozarek, Jay Hatch, and Britney Mosey -- Minneapolis, MN : University of Minnesota, St. Anthony Falls Laboratory ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2017-11 (MN/RC 2017-44), 94 pp. <http://dot.state.mn.us/research/reports/2017/201744.pdf>

### **Development and Testing of Environmental DNA (eDNA) Protocols for the Endangered James Spiny mussel (*Pleurobema collina*) /**

Rodney J. Dyer and Bonnie A. Roderique -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-12 (FHWA/VTRC 18-R18), 22 pp. [http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/18-r18.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/18-r18.pdf)

### **Effective Policy Design for Promoting Investment in Advanced Alternative Fuels /**

Kristine Bitnere and Stephanie Searle -- Washington, DC : International Council on Clean Transportation, 2017-09, 37 pp. [http://www.theicct.org/sites/default/files/publications/Advanced-alternative-fuels\\_ICCT-white-paper\\_2109\\_2017\\_vF.pdf](http://www.theicct.org/sites/default/files/publications/Advanced-alternative-fuels_ICCT-white-paper_2109_2017_vF.pdf)

### **Enabling Fast Charging: A Technology Gap Assessment /**

David Howell et al. -- Washington, DC : U.S. Dept. of Energy, Office of Energy Efficiency & Renewable Energy, Vehicle Technologies Office, 2017-10 (INL/EXT-17-41638), 83 pp.  
[https://energy.gov/sites/prod/files/2017/10/f38/XFC%20Technology%20Gap%20Assessment%20Report\\_FINAL\\_10202017.pdf](https://energy.gov/sites/prod/files/2017/10/f38/XFC%20Technology%20Gap%20Assessment%20Report_FINAL_10202017.pdf)

4<sup>th</sup> Quarter, Acquisitions, Page 6 of 22

**Evaluation of Effectiveness and Cost-Benefits of Woolen Roadside Reclamation Products – Final Report /**

Rob Ament et al. -- Bozeman, MT : Montana State University - Bozeman, Western Transportation Institute; Helena, MT : Montana Dept. of Transportation, Research Programs, 2017-12 (FHWA/MT-17-009/8223-001), 100 pp.

[http://www.mdt.mt.gov/other/webdata/external/research/docs/research\\_proj/wool\\_test/FINAL\\_REPORT.pdf](http://www.mdt.mt.gov/other/webdata/external/research/docs/research_proj/wool_test/FINAL_REPORT.pdf)

**Fuel Consumption Sensitivity of Conventional and Hybrid Electric Light-Duty Gasoline Vehicles to Driving Style /**

John Thomas et al. -- Washington, DC : U.S. Dept. of Energy ; SAE International, 2017-08, 18 pp.

[https://www.afdc.energy.gov/uploads/publication/fuel\\_consumption\\_sensitivity\\_style.pdf](https://www.afdc.energy.gov/uploads/publication/fuel_consumption_sensitivity_style.pdf)

**Global Baseline Assessment of Compliance and Enforcement Programs for Vehicle Emissions and Energy Efficiency /**

Zifei Yang, Rachel Muncrief, and Anup Bandivadekar -- Washington, DC : International Council on Clean Transportation, 2017, 91 pp. [http://www.theicct.org/sites/default/files/publications/PV-C%26E-global-baseline-assessment\\_ICCT-report\\_14112017\\_vF.pdf](http://www.theicct.org/sites/default/files/publications/PV-C%26E-global-baseline-assessment_ICCT-report_14112017_vF.pdf)

**Green Infrastructure Techniques for Resilience of the Oregon Coast Highway /**

Oregon Department of Transportation -- Salem, OR : ODOT, 2017, 71 pp.

[https://www.fhwa.dot.gov/environment/sustainability/resilience/ongoing\\_and\\_current\\_research/green\\_infrastructure/oregon/oregon\\_finalreport.pdf](https://www.fhwa.dot.gov/environment/sustainability/resilience/ongoing_and_current_research/green_infrastructure/oregon/oregon_finalreport.pdf)

**Investigation of the Link Between Macroscopic Traffic Flow Characteristics and Individual Vehicle Fuel Consumption /**

Jing Dong and Liang Hu -- Ames, IA : Iowa State University, Center for Transportation Research and Education ; Midwest Transportation Center, 2017-10, 46 pp.

[http://www.intrans.iastate.edu/research/documents/research-reports/traffic\\_flow\\_and\\_fuel\\_consumption\\_w\\_cvr.pdf](http://www.intrans.iastate.edu/research/documents/research-reports/traffic_flow_and_fuel_consumption_w_cvr.pdf)

**National Plug-In Electric Vehicle Infrastructure Analysis /**

Eric Wood et al. -- Washington, DC : U.S. Dept. of Energy, Office of Energy Efficiency & Renewable Energy, Vehicle Technologies Office, 2017-09 (DOE/GO-102017-5040), 74 pp.

[https://www.afdc.energy.gov/uploads/publication/national\\_pev\\_infrastructure.pdf](https://www.afdc.energy.gov/uploads/publication/national_pev_infrastructure.pdf)

**Reducing Stormwater Runoff and Pollutant Loading with Biochar Addition to Highway Greenways /**

Paul T. Imhoff and Seyyed Ali Akbar Nakhli -- Washington, DC : Transportation Research Board, 2017-10 (NCHRP IDEA Project 182), 51 pp.

[http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Highway/NCHRP182\\_Final\\_Report.pdf](http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Highway/NCHRP182_Final_Report.pdf)

**Remote-Sensing Regulation for Measuring Exhaust Pollutants from In-Use Diesel Vehicles in China [TechBrief] /**

International Council on Clean Transportation -- Washington, DC : ICCT, 2017-09, 4 pp.

[http://www.theicct.org/sites/default/files/publications/China-diesel-remote-sensing\\_ICCT-policy-update\\_19092017\\_vF.pdf](http://www.theicct.org/sites/default/files/publications/China-diesel-remote-sensing_ICCT-policy-update_19092017_vF.pdf)

### **Removal Effectiveness of Co-Mingling Off-Site Flows with FDOT Right-of-Way Stormwater /**

Martin Wanielista et al. -- Orlando, FL : University of Central Florida, Stormwater Management Academy ; Tallahassee, FL : Florida Dept. of Transportation, 2017-11 (FDOT BDV24-977-16), 239 pp. [http://www.fdot.gov/research/Completed\\_Proj/Summary\\_RD/FDOT-BDV24-977-16-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_RD/FDOT-BDV24-977-16-rpt.pdf)

### **Transitioning to Zero-Emission Heavy-Duty Freight Vehicles /**

Marissa Moultak, Nic Lutsey, and Dale Hall -- Washington, DC : International Council on Clean Transportation (ICCT), 2017-09, 59 pp. [http://www.theicct.org/sites/default/files/publications/Zero-emission-freight-trucks\\_ICCT-white-paper\\_260\\_92017\\_vF.pdf](http://www.theicct.org/sites/default/files/publications/Zero-emission-freight-trucks_ICCT-white-paper_260_92017_vF.pdf)

### **Truck Choice Modeling: Understanding California's Transition to Zero-Emission Vehicle Trucks Taking into Account Truck Technologies, Costs, and Fleet Decision Behavior /**

Marshall Miller, Qian Wang, and Lew Fulton -- Davis, CA : University of California-Davis, Institute of Transportation Studies, National Center for Sustainable Transportation, 2017-11, 67 pp. [https://ncst.ucdavis.edu/wp-content/uploads/2016/10/NCST-TO-033.2-Fulton\\_Truck-Decision-Choice\\_Final-Report\\_Nov2017.pdf](https://ncst.ucdavis.edu/wp-content/uploads/2016/10/NCST-TO-033.2-Fulton_Truck-Decision-Choice_Final-Report_Nov2017.pdf)

### **A Watershed Approach to Mitigating Stormwater Impacts /**

Neil Weinstein et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 840), 116 pp. <http://www.trb.org/Publications/Blurbs/176001.aspx>

## **Freight / Goods Movement**

### **Enhanced Capabilities of BullReporter and BullConverter /**

Taek M. Kwon -- Duluth, MN : University of Minnesota Duluth, Dept. of Electrical Engineering ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2017-09 (MN/RC 2017-34), 60 pp. <http://www.dot.state.mn.us/research/reports/2017/201734.pdf>

### **Global Logistics Hubs in Texas [TechBrief] /**

Michael Finch and Brent Perdue -- Austin, TX : University of Texas at Austin, Lyndon B. Johnson School of Public Affairs ; Center for Transportation Research (CTR), 2017-05 (Transportation Policy Brief #3), 23 pp. <https://library.ctr.utexas.edu/ctr-publications/5-6690-01/prp3.pdf>

### **Guide to Deploying Clean Truck Freight Strategies /**

Louis Browning et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 862), 62 pp. <http://www.trb.org/main/blurbs/176904.aspx>

### **The Impact of Specialized Hauling Vehicles on Pavement and Bridge Deterioration /**

C. Michael Walton et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-12 (FHWA/TX-17/0-6897-2), 356 pp. <https://library.ctr.utexas.edu/ctr-publications/0-6897-2.pdf>

### **Leveraging Large-Truck Technology and Engineering to Realize Safety Gains [Fact Sheet] /**

AAA Foundation for Traffic Safety -- Washington, DC : AAA, 2017-09, 2 pp. [https://publicaffairsresources.aaa.biz/wp-content/uploads/2017/09/17-0097\\_Truck-Safety-Report-Fact-Sheet\\_FNL-CX-2.pdf](https://publicaffairsresources.aaa.biz/wp-content/uploads/2017/09/17-0097_Truck-Safety-Report-Fact-Sheet_FNL-CX-2.pdf)

4<sup>th</sup> Quarter, Acquisitions, Page 8 of 22

**Leveraging Large-Truck Technology and Engineering to Realize Safety Gains: Air Disc Brakes /**

Matthew C. Camden et al. -- Washington, DC : AAA Foundation for Traffic Safety, 2017-09, 62 pp.  
[https://www.aaafoundation.org/sites/default/files/Truck%20Safety\\_Disc%20Brakes.pdf](https://www.aaafoundation.org/sites/default/files/Truck%20Safety_Disc%20Brakes.pdf)

**Leveraging Large-Truck Technology and Engineering to Realize Safety Gains: Automatic Emergency Braking Systems /**

Matthew C. Camden et al. -- Washington, DC : AAA Foundation for Traffic Safety, 2017-09, 68 pp.  
[https://www.aaafoundation.org/sites/default/files/Truck%20Safety\\_%20Braking%20Report.pdf](https://www.aaafoundation.org/sites/default/files/Truck%20Safety_%20Braking%20Report.pdf)

**Leveraging Large-Truck Technology and Engineering to Realize Safety Gains: Lane Departure Warning Systems /**

Matthew C. Camden et al. -- Washington, DC : AAA Foundation for Traffic Safety, 2017-09, 71 pp.  
[https://www.aaafoundation.org/sites/default/files/Truck%20Safety\\_Lane%20Departure.pdf](https://www.aaafoundation.org/sites/default/files/Truck%20Safety_Lane%20Departure.pdf)

**Leveraging Large-Truck Technology and Engineering to Realize Safety Gains: Video-Based Onboard Safety Monitoring Systems /**

Matthew C. Camden et al. -- Washington, DC : AAA Foundation for Traffic Safety, 2017-09, 69 pp.  
[https://www.aaafoundation.org/sites/default/files/Truck%20Safety\\_Video%20Systems.pdf](https://www.aaafoundation.org/sites/default/files/Truck%20Safety_Video%20Systems.pdf)

**Modal Investment Comparison: The Impact of Upper Mississippi River Lock and Dam Shutdowns on State Highway Infrastructure /**

Ernest Perry, Teresa Adams, and Eric Oberhart -- Madison, WI : University of Wisconsin-Madison, National Center for Freight and Infrastructure Research and Education (CFIRE) ; 10 States of the Mid-America Freight Coalition, 2017-10 (MAFC-16), 38 pp.  
[http://www.wistrans.org/cfire/documents/MAFC16\\_ModallInvestmentComparison\\_FinalReport.pdf](http://www.wistrans.org/cfire/documents/MAFC16_ModallInvestmentComparison_FinalReport.pdf)

**Pavement, Bridge, and Safety Cost Evaluation Tool for Overweight Truck Corridors Serving Coastal Port Regions and Border Ports of Entry /**

Mike Walton et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-08 (FHWA/TX-16/0-6820-2), 87 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6820-2.pdf>

**Process for Evaluating Overweight Truck Corridors Serving Coastal Port Regions and Border Ports of Entry /**

Chris Sassine et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-08 (FHWA/TX-16/0-6820-1), 176 pp. <https://library.ctr.utexas.edu/ctr-publications/0-6820-1.pdf> ; <https://library.ctr.utexas.edu/ctr-publications/psr/0-6820-s.pdf>

**Research Issues in Freight Transportation: Congestion and System Performance /**

Kathleen Hancock, editor -- Washington, DC : Transportation Research Board, 2017-11 (Transportation Research Circular E-C225), 86 pp.  
<http://onlinepubs.trb.org/onlinepubs/circulars/ec225.pdf>

**Review of U.S. Department of Transportation Truck Size and Weight Study - Second Report: Review of USDOT Technical Reports /**

Transportation Research Board, Committee for Review of U.S. Department of Transportation Truck Size and Weight Study -- Washington, DC : TRB, 2015-10, 69 pp.  
<https://www.nap.edu/download/22092#>

4<sup>th</sup> Quarter, Acquisitions, Page 9 of 22

## **Stage 2 Tool User's Manual /**

Michael Walton -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-08 (TxDOT Project 0-6820-P5), 65 pp. <https://library.ctr.utexas.edu/ctr-publications/0-6820-P5.pdf>

## **Texas-Latin American Trade [TechBrief] /**

Burleson Smith -- Austin, TX : University of Texas at Austin, Lyndon B. Johnson School of Public Affairs; Center for Transportation Research (CTR), 2017-05 (Transportation Policy Brief #4), 17 pp. <https://library.ctr.utexas.edu/ctr-publications/5-6690-01/prp4.pdf>

## **Geotechnical**

### **Rockfall Hazard Process Assessment /**

Darren Beckstrand et al. -- Portland, OR : Landslide Technology ; Helena, MT : Montana Dept. of Transportation, Research Programs, 2017-10 (FHWA/MT-17-008/8239-001), 373 pp. [http://www.mdt.mt.gov/other/webdata/external/research/docs/research\\_proj/rockfall/FINAL\\_REPORT\\_OC T17.pdf](http://www.mdt.mt.gov/other/webdata/external/research/docs/research_proj/rockfall/FINAL_REPORT_OC T17.pdf)

### **Stormwater Infiltration in Highway Embankments - Saturated Hydraulic Conductivity Estimation for Uncompacted and Compacted Soils /**

Tony M. Allen -- Tumwater, WA : Washington State Dept. of Transportation, State Materials Laboratory ; Olympia, WA : WSDOT, Research Office, 2017-10 (WA-RD 872.1), 163 pp. <http://www.wsdot.wa.gov/research/reports/fullreports/872-1.pdf>

## **Highway Design**

### **Design and Operation of U-Turns at Diamond Interchanges in Texas /**

Jonathan Tydlacka et al. -- College Station, TX : Texas A&M University System, Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-09 (FHWA/TX-17/0-6894-1), 301 pp. <http://tti.tamu.edu/documents/0-6894-1.pdf>

### **Roadside Manual /**

Washington State Department of Transportation, Development Division, Design Office -- Olympia, WA : WSDOT, Engineering and Regional Operations, 2017-10 (M 25-30.04), 286 pp. <https://www.wsdot.wa.gov/publications/manuals/fulltext/M25-30/Roadside.pdf>

## **Information Management**

### **Strategic Enterprise Architecture Design and Implementation Plan for the Montana Department of Transportation /**

Robert C. Cooney and Mark C. Paxton -- Raleigh, NC : eVision Partners, Inc. ; Helena, MT : Montana Dept. of Transportation Research Programs, 2016-08 (FHWA/MT-16-007/8238-001), 223 pp. [http://www.mdt.mt.gov/other/webdata/external/research/DOCS/RESEARCH\\_PROJ/IT\\_ARCH/Final\\_Report.pdf](http://www.mdt.mt.gov/other/webdata/external/research/DOCS/RESEARCH_PROJ/IT_ARCH/Final_Report.pdf)

### **Upgrading and Repairing PCs /**

Scott Mueller -- 22nd edition -- Indianapolis, IN : QUE, 2015, 1162 pp., includes DVD-ROM

4<sup>th</sup> Quarter, Acquisitions, Page 10 of 22

## **Intelligent Transportation Systems (ITS)**

### **C-ITS Platform - Final Report Phase II /**

Platform for the Deployment of Cooperative Intelligent Transport Systems in the European Union (C-ITS Platform) -- Brussels : European Commission, Directorate General for Mobility and Transport, 2017-09, 127 pp. <https://ec.europa.eu/transport/sites/transport/files/2017-09-c-its-platform-final-report.pdf>

## **Legal Issues**

### **Clarifying Control of Automated Vehicles - Policy Paper /**

National Transport Commission -- Melbourne VIC, Australia : NTC, 2017-11, 56 pp. [http://www.ntc.gov.au/Media/Reports/\(89187896-E6CD-4313-61E7-97D2B461A22C\).pdf](http://www.ntc.gov.au/Media/Reports/(89187896-E6CD-4313-61E7-97D2B461A22C).pdf)

### **Legal Requirements for State Transportation Agency Participation in Conservation Plans /**

James M. McElfish, Jr. and James B. McDaniel -- Washington, DC : Transportation Research Board, 2017-10 (Legal Research Digest 75), 34 pp. <http://www.trb.org/Publications/Blurbs/176642.aspx>

### **National Enforcement Guidelines for Automated Vehicles /**

National Transport Commission -- Melbourne VIC, Australia : NTC, 2017-11, 11 pp. [http://www.ntc.gov.au/Media/Reports/\(10EB8512-5852-575D-96E9-CA20497EB1FC\).pdf](http://www.ntc.gov.au/Media/Reports/(10EB8512-5852-575D-96E9-CA20497EB1FC).pdf)

### **Policy Brief: What is the Legal Framework for Automated Vehicles in Texas? [TechBrief] /**

Gretchen Stoeltje, Alexander J. Antonio, and Ginger Goodin -- College Station, TX : Texas A&M Transportation Institute, Transportation Policy Research Center, 2017 (PRC 2017-5), 20 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-2017-5.pdf>

### **Policy Implications of Transportation Network Companies - Final Report /**

Maarit Moran et al. -- College Station, TX : Texas A&M Transportation Institute, Transportation Policy Research Center, 2017-10 (PRC 17-70 F), 78 pp. <https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-17-70-F.pdf>

## **Marine / Waterways**

### **Panama Canal Utilization [TechBrief] /**

Chi-Hsiang Chu and Nina Ledermann -- Austin, TX : University of Texas at Austin, Lyndon B. Johnson School of Public Affairs ; Center for Transportation Research, 2017-05 (Transportation Policy Brief #1), 49 pp. <https://library.ctr.utexas.edu/ctr-publications/5-6690-01/prp1.pdf>

### **Port Competition and Best Practices [TechBrief] /**

Cristina Mendez and Noah Oaks -- Austin, TX : University of Texas at Austin, Lyndon B. Johnson School of Public Affairs ; Center for Transportation Research (CTR), 2017-05 (Transportation Policy Brief #5), 22 pp. <https://library.ctr.utexas.edu/ctr-publications/5-6690-01/prp5.pdf>

### **Texas Ports and the Panama Canal: Commodities and Infrastructure [TechBrief] /**

Alex Payson and Chase Porter -- Austin, TX : University of Texas at Austin, Lyndon B. Johnson School of Public Affairs ; Center for Transportation Research, 2017-05 (Transportation Policy Brief #2), 39 pp. <https://library.ctr.utexas.edu/ctr-publications/5-6690-01/prp2.pdf>

4<sup>th</sup> Quarter, Acquisitions, Page 11 of 22

## **Materials**

### **Development of Non-Proprietary Ultra-High Performance Concrete /**

Michael Berry, Richard Snidarich, and Camylle Wood -- Bozeman, MT : Montana State University - Bozeman, Western Transportation Institute ; Helena, MT : Montana Dept. of Transportation, Research Programs, 2017-12 (FHWA/MT-17-010/8237-001), 128 pp.  
[http://www.mdt.mt.gov/other/webdata/external/research/DOCS/RESEARCH\\_PROJ/BRIDGE\\_UHP\\_C/FINAL\\_REPORT.PDF](http://www.mdt.mt.gov/other/webdata/external/research/DOCS/RESEARCH_PROJ/BRIDGE_UHP_C/FINAL_REPORT.PDF)

### **Fundamental Evaluation of the Interaction between RAS/RAP and Virgin Asphalt Binders /**

Munir D. Nazzal et al. -- Athens, OH : Ohio University, Dept. of Civil Engineering ; Columbus, OH : Ohio Dept. of Transportation, 2017-08 (FHWA/OH-2017-24), 68 pp.  
<http://www.trb.org/main/blurbs/176626.aspx>

### **Implementation of Maturity for Concrete Strength Measurement and Pay /**

Zachary Collier, Tyson Rupnow, and Amar Raghavendra -- Baton Rouge, LA : Louisiana Transportation Research Center ; Louisiana Dept. of Transportation and Development, 2017-10 (FHWA/LA.17/584), 40 pp. [http://www.ltrc.lsu.edu/pdf/2017/FR\\_584.pdf](http://www.ltrc.lsu.edu/pdf/2017/FR_584.pdf)

### **Lime Kiln Dust for Treated Subgrades /**

Jamal Kakrasul, Robert L. Parsons, and Jie Han -- Lawrence, KS : University of Kansas, Dept. of Civil, Environmental & Architectural Engineering ; Topeka, KS : Kansas Dept. of Transportation, 2017-11 (K-TRAN: KU-17-1), 97 pp. <https://dmsweb.ksdot.org/AppNetProd/docpop/docpop.aspx>

### **Low Cracking Concretes for the Closure Pours and Overlays of the Dunlap Creek Bridge /**

Celik Ozyildirim and Hari Krishnan Nair -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-10 (FHWA/VTRC 18-R10), 35 pp. [http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/18-r10.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/18-r10.pdf)

### **Material Properties of Cold in-Place Recycled and Full-Depth Reclamation Asphalt Concrete /**

Charles W. Schwartz, Brian K. Diefenderfer, and Benjamin F. Bowers -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 863), 74 pp.  
<http://www.trb.org/Publications/Blurbs/176641.aspx>

### **Minnesota Local Agency Pavement Marking: Mining Existing Data /**

Omar Smadi, Ahmad Alhasan, and Neal Hawkins -- Ames, IA : Iowa State University, Institute for Transportation ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, Minnesota Local Road Research Board, 2017-11 (MN/RC 2017-43), 106 pp.  
<http://dot.state.mn.us/research/reports/2017/201743.pdf>

## **Operations and Maintenance**

### **Advanced Technology for Data Collection and Information to Users and Operators /**

World Road Association (PIARC), Technical Committee 2.4 Winter Service, Gabriel Guevara, editor, et al.-- La Defense CEDEX, France : World Road Association (PIARC), 2017 (2016R30EN), 54 pp. <https://www.piarc.org/ressources/publications/9/26565,2016R30EN.pdf>

4<sup>th</sup> Quarter, Acquisitions, Page 12 of 22

### **Consequences of Delayed Maintenance of Highway Assets /**

Carlos M. Chang et al. -- Washington, DC : Transportation Research Board, 2101-7 (NCHRP Research Report 859), 71 pp. <http://www.trb.org/Publications/Blurbs/176740.aspx>

### **Field Usage of Alternative Deicers for Snow and Ice Control /**

Western Transportation Institute -- St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, Local Road Research Board, 2017-09 (TRS 1706), 24 pp. <http://dot.state.mn.us/research/TRS/2017/TRS1706.pdf>

### **Installing Snowplow Cameras and Integrating Images into MnDOT's Traveler Information System /**

Brian Hurt and Scott Petersen -- Madison, WI : CTC & Associates LLC ; Minneapolis, MN : SRF Consulting Group, Inc. ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2017-10 (MN/RC 2017-41), 69 pp. <http://dot.state.mn.us/research/reports/2017/201741.pdf>

### **Snow and Ice Control Materials for Texas Roads - Volume 1: Literature and Best Practices Review - Volume 2: Field Trials and Laboratory Study /**

Andrew Jackson et al. -- Lubbock, TX : Texas Tech University, Center for Multidisciplinary Research in Transportation ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-03 (FHWA/TX-17-0-6793-1 - Vol 1 , - Vol. 2), 549 pp. <https://library.ctr.utexas.edu/hostedpdfs/texastech/0-6793-1.pdf> ; Summary - <https://library.ctr.utexas.edu/hostedpdfs/texastech/0-6793-s.pdf>

### **Sustainable Rest Area Design and Operations /**

Amy Plovnick et al. -- Cambridge, MA : U.S. Dept. of Transportation, John A. Volpe National Transportation Systems Center ; Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, Office of Natural Environment, 2017-10 (FHWA-HEP-18-006), 31 pp. [https://www.fhwa.dot.gov/environment/sustainability/energy/publications/rest\\_areas/fhwahep18006.pdf](https://www.fhwa.dot.gov/environment/sustainability/energy/publications/rest_areas/fhwahep18006.pdf)

### **What Fleets Need to Know About Alternative Fuel Vehicle Conversions, Retrofits, and Repowers /**

Kay Kelly and John Gonzales -- Washington, DC : U.S. Dept. of Energy, Office of Energy Efficiency & Renewable Energy, Vehicle Technologies Office, 2017-10 (DOE/GO-102017-5039), 20 pp. [https://www.afdc.energy.gov/uploads/publication/afv\\_conversions\\_retrofits\\_repowers.pdf](https://www.afdc.energy.gov/uploads/publication/afv_conversions_retrofits_repowers.pdf)

## **Pavements**

### **Development of a Special Provision on the Use of Pervious Concrete as a Stormwater Management Tool in Parking Lots /**

Gail M. Moruza, H. Celik Ozyildirim, and Teresa B. Culver -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-11 (VTRC 18-R15), 33 pp. [http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/18-r15.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/18-r15.pdf)

### **Evaluating Use of Sub-Grade Drains with PFC for Stormwater Drainage: Final Report /**

Jie Huang et al. -- San Antonio, TX : University of Texas at San Antonio, Dept. of Civil and Environmental Engineering ; Lubbock, TX : Texas Tech University, Dept. of Civil, Environmental, and Construction Engineering ; Austin, TX ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-08 (FHWA/TX-17/0-6843-1), 118 pp. <https://library.ctr.utexas.edu/hostedPDFs/utsa/0-6843-1.pdf>

4<sup>th</sup> Quarter, Acquisitions, Page 13 of 22



### **Evaluation of Roadway Subsurface Drainage on Rural Routes /**

Roger Green et al. -- Athens, OH : Ohio University, Ohio Research Institute for Transportation and the Environment (ORITE) ; Columbus, OH : Ohio Dept. of Transportation, Office of Research and Development, 2017-09 (FHWA/OH-2017/37), 155 pp.  
[http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/15728#img\\_view\\_container](http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/15728#img_view_container)

### **Improved Analysis Tool for Concrete Pavement /**

Mang Tia, Kukjoo Kim, and Sangyoung Han -- Gainesville, FL : University of Florida, Engineering School of Sustainable Infrastructure & Environment, Dept. of Civil and Coastal Engineering ; Tallahassee, FL : Florida Dept. of Transportation, 2017-09 (FDOT BDV31-977-30), 541 pp.  
[http://www.fdot.gov/research/Completed\\_Proj/Summary\\_SMO/FDOT-BDV31-977-30-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_SMO/FDOT-BDV31-977-30-rpt.pdf)

### **Investigation of Increase in Roughness Due to Environmental Factors in Flexible Pavements Using Profile Data from Long-Term Pavement Performance Specific Pavement Studies 1 Experiment /**

R.W. Perera and A. Al-Rawashdeh -- Plymouth, MI : SME ; McLean, VA : Federal Highway Administration, 2017-10 (FHWA-HRT-17-049), 196 pp.  
<https://www.fhwa.dot.gov/publications/research/infrastructure/pavements/ltp/17049/17049.pdf>

### **Long-Term Pavement Performance Bind Online User Guide /**

Riaz Ahmad, Jose R. Menendez, and Nima Kargah-Ostadi -- Chantilly, VA : iENGINEERING Corporation ; McLean, VA : Federal Highway Administration, Office of Infrastructure Research and Development, 2017-10 (FHWA-HRT-17-010), 26 pp.  
<https://www.fhwa.dot.gov/publications/research/infrastructure/pavements/ltp/17010/>

### **Pavement Performance Measures and Forecasting and the Effects of Maintenance and Rehabilitation Strategy on Treatment Effectiveness (Revised) /**

Gilbert Y. Baladi et al. -- East Lansing, MI : Michigan State University, Dept. of Civil Engineering ; McLean, VA : Federal Highway Administration, Turner-Fairbank Highway Research Center, 2017-09 (FHWA-HRT-17-095), 332 pp.  
<https://www.fhwa.dot.gov/publications/research/infrastructure/pavements/ltp/17095/index.cfm>

### **Performance-Related Specifications for Pavement Preservation Treatments /**

Karim Chatti et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 857), 146 pp. <http://www.trb.org/Publications/Blurbs/176826.aspx>

### **Pilot Implementation of Whitetopping: Final Report /**

Wujun Zhou et al. -- Lubbock, TX : Texas Tech University, College of Engineering ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Division, 2017-12 (FHWA/TX-17/5-5482-01-1), 56 pp. <https://library.ctr.utexas.edu/hostedpdfs/texastech/5-5482-01-1.pdf>

### **Prevention of Stripping Under Chip Seals /**

David L. Rettner and Derek Tompkins -- St. Paul, MN : American Engineering Testing, Inc. ; Minnesota Dept. of Transportation, Research Services & Library, Minnesota Local Road Research Board, 2017-10 (MN/RC 2017-35), 164 pp. <http://dot.state.mn.us/research/reports/2017/201735.pdf>

4<sup>th</sup> Quarter, Acquisitions, Page 14 of 22

**Research on Joint Sealant Materials to Improve Installation and Performance: Final Report /**

Pangil Choi, Sanjaya Senadheera, and Moon C. Won -- Lubbock, TX : Texas Tech University, College of Engineering ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-12 (FHWA/TX-17/0-6826-1), 209 pp.  
<https://library.ctr.utexas.edu/hostedpdfs/texastech/0-6826-1.pdf>

**Standardizing Lightweight Deflectometer Modulus Measurements for Compaction Quality Assurance /**

Charles W. Schwarz, Zahra Afsharikia, and Sadaf Khosravifar -- College Park, MD : University of Maryland, Dept. of Civil and Environmental Engineering ; Baltimore, MD : Maryland Dept. of Transportation, State Highway Administration, Office of Policy & Research, 2017-09 (MD-17-SHA-UM-3-20), 147 pp. [http://roads.maryland.gov/OPR\\_Research/MD-17-TPF-5-285-LWD\\_REPORT.pdf](http://roads.maryland.gov/OPR_Research/MD-17-TPF-5-285-LWD_REPORT.pdf)

**Technology Transfer, Delivery, and Implementation of Best Practices for Jointed Concrete Pavements [TechSummary] /**

Peter Taylor -- Ames, IA : Iowa State University, National Concrete Pavement Technology Center ; Washington, DC : Federal Highway Administration, Office of Pavement Technology, 2017-10 (FHWA-HIF-17-045), 18 pp. <https://www.fhwa.dot.gov/pavement/concrete/pubs/hif17045.pdf>

**Planning**

**Access Across America: Transit 2016 /**

Andrew Owen, Brendan Murphy, and David Levinson -- Minneapolis, MN : University of Minnesota, Center for Transportation Studies, Accessibility Observatory, 2017-11 (CTS 17-07), 167 pp. <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2618>

**Access Management Application Guidelines /**

Karen K. Dixon et al. -- Washington, DC : Transportation Research Board, 2016, 460 pp., includes CD-ROM

**Aging in Place in Small Urban and Rural Communities /**

Del Peterson and Ted Rieck -- Fargo, ND : North Dakota State University, Upper Great Plains Transportation Institute, Small Urban and Rural Transit Center, 2017-08 (SURLC 17-006), 47 pp. <http://www.ugpti.org/resources/reports/downloads/surcl17-006.pdf>

**Asset Management Manual: A Guide for Practitioners! [Electronic] /**

World Road Association (PIARC/AIPCR) -- La Defense CEDEX, FRANCE : World Road Association (PIARC/AIPCR), 2017, web-based <https://road-asset.piarc.org/en>

**Automated Vehicles: Comprehensive Plan Could Help DOT Address Challenges - Report to Congressional Committees /**

United States Government Accountability Office -- Washington, DC : U.S. GAO, 2017-11 (GAO-18-132), 44 pp. <http://www.gao.gov/assets/690/688676.pdf>

4<sup>th</sup> Quarter, Acquisitions, Page 15 of 22

**Climate Adaptation and Resiliency Planning: Agency Roles and Workforce Development Needs /**

Jonathan Dowds et al. -- Davis, CA : University of California-Davis, National Center for Sustainable Transportation ; [Burlington, VT] : University of Vermont, FHWA Northeast Transportation Workforce Center, 2017-10, 37 pp.

[https://ncst.ucdavis.edu/wp-content/uploads/2016/03/NCST\\_Dowds\\_Climate-Adaption-Planning\\_Final-Report\\_OCT-2017.pdf](https://ncst.ucdavis.edu/wp-content/uploads/2016/03/NCST_Dowds_Climate-Adaption-Planning_Final-Report_OCT-2017.pdf)

**Development and Application of an Integrated Health Impacts Assessment Tool for the Sacramento Region /**

Alex Karner et al. -- Davis, CA : University of California-Davis, Institute of Transportation Studies, National Center for Sustainable Transportation, 2017-10, 24 pp.

[https://ncst.ucdavis.edu/wp-content/uploads/2016/10/NCST-TO-033.3-London\\_ITHIM\\_Final-Report\\_OCT-2017.pdf](https://ncst.ucdavis.edu/wp-content/uploads/2016/10/NCST-TO-033.3-London_ITHIM_Final-Report_OCT-2017.pdf)

**Enhanced Cost Estimating and Project Development Procedures for MPOs: Final Report /**

Amir R. Hessami et al. -- Kingsville, TX : Texas A&M University-Kingsville, Civil and Architectural Engineering ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-11 (FHWA/TX-17/0-6929-1), 64 pp.

<https://library.ctr.utexas.edu/hostedpdfs/tamuk/0-6929-1.pdf>

**Estimating Congestion Benefits of Transportation Projects with FIXiT 2.0: Updating and Improving the Sketch Planning Tool /**

Phil Lasley, Madison Metsker-Galarza, and Shuang Guo -- College Station, TX : Texas A&M Transportation Institute, Transportation Policy Research Center, 2017-11 (PRC 17-82-F), 64 pp.

<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-17-82-F.pdf>

**Expanding Access to Electric Mobility in the United States [TechBrief] /**

International Council on Clean Transportation -- Washington, DC : ICCT, 2017-12, 20 pp.

[http://www.theicct.org/sites/default/files/publications/Expanding-access-electric-mobility\\_ICCT-Briefing\\_06122017\\_vF.pdf](http://www.theicct.org/sites/default/files/publications/Expanding-access-electric-mobility_ICCT-Briefing_06122017_vF.pdf)

**The Future of Equity in Cities /**

Nicole DuPuis, Elias Stahl, and Brooks Rainwater -- [Washington, DC] : National League of Cities (NLC), 2017, 52 pp.

<http://nlc.org/sites/default/files/2017-11/Future%20of%20Equity%20in%20Cities%202017.pdf>

**A GIS-Based Performance Measurement System for Assessing Transportation Sustainability and Community Livability /**

Qian Wang et al. -- Buffalo, NY : University at Buffalo, State University of New York, Dept. of Civil, Structural, and Environmental Engineering ; New York : City College of New York, University Transportation Research Center - Region 2, 2014-08, 41 pp.

<http://www.utrc2.org/sites/default/files/Final-Report-A-GIS-Based-Performance-Measurement-System.pdf>

**How Will E-Commerce Growth Impact Our Transportation Network? /**

Allan Rutter et al. -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2017-08 (PRC 17-79 F), 38 pp.

<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-17-79-F.pdf>

4<sup>th</sup> Quarter, Acquisitions, Page 16 of 22

**Identifying Transportation Solutions That Promote Healthy Aging for Texans /**

Ben Ettelman et al. -- [College Station, TX] : Texas A&M Transportation Institute, Transportation Policy Research Center, 2017-09 (PRC 17-83 F), 85 pp.

<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-17-83-F.pdf>

**Influence of Transportation on Residential Choice: A Survey of Texas REALTORS® on Factors Affecting Housing Location Choice - Preliminary Report /**

Phil Lasley -- College Station, TX : Texas A&M Transportation Institute, Transportation Policy Research Center, 2017 (PRC 17-33 F), 210 pp.

<https://static.tti.tamu.edu/tti.tamu.edu/documents/PRC-17-33-F.pdf>

**Innovative Travel Data Collection Recommendations /**

Catherine Lawson -- Albany, NY : State University of New York (SUNY)-Albany, Albany Visualization And Informatics Lab (AVAIL) ; New York : New York Metropolitan Transportation Council (NYMTC) ; City College of New York, University Transportation Research Center - Region 2, 2016-12 (Z-14-04), 87 pp. <http://www.utrc2.org/sites/default/files/Final-Report-Innovative-Travel-Data-Collection.pdf>

**Method Selection for Travel Forecasting: User Guide /**

Maren Outwater et al. -- Washington, DC : Transportation Research Board, 2017 (NCHRP Research Report 852), various pagings <http://www.trb.org/Publications/Blurbs/176645.aspx>

**Methods for Improving Consistency between Statewide and Regional Planning Models /**

Stephen D. Boyles et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ;

Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-12 (FHWA/TX-17/0-6900-1), 72 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6900-01.pdf>

**Metrics, Models and Data for Assessment of Resilience of Urban Infrastructure Systems /**

Patricia Nelson and Guo Dongjun -- Newark, NJ : New Jersey Institute of Technology (NJIT) ; Golden, CO

: Colorado School of Mines, Dept. of Mining Engineering ; New York : City College of New York, University Transportation Research Center - Region 2, 2016-12, 49 pp.

<http://www.utrc2.org/sites/default/files/Final-Report-Metrics-Models-and-Data-for-Assessment.pdf>

**Post Hurricane Sandy Transportation Resilience Study in New York, New Jersey, and Connecticut /**

Brian ten Sietthoff et al. -- Washington, DC : Federal Highway Administration, 2017-10 (FHWA-HEP-17-097), 545 pp.

[https://www.fhwa.dot.gov/environment/sustainability/resilience/publications/hurricane\\_sandy/fhwahp17097.pdf](https://www.fhwa.dot.gov/environment/sustainability/resilience/publications/hurricane_sandy/fhwahp17097.pdf)

**Refining Return on Investment Methodology/Tool for MnPASS /**

Laura Fay et al. -- Bozeman, MT ; Montana State University, Western Transportation Institute ; Minneapolis, MN : SRF Consulting Group Inc. ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2017-10 (MN/RC 2017-37), 196 pp.

<http://dot.state.mn.us/research/reports/2017/201737.pdf>

**Statewide and Megaregional Travel Forecasting Models: Freight and Passenger /**

Rick Donnelly and Rolf Moeckel -- Washington, DC : Transportation Research Board, 2017 (NCHRP Synthesis 514), 114 pp. <http://www.trb.org/Publications/Blurbs/176702.aspx>

## **Typology of Transportation and Trade Forecasts [TechBrief] /**

Shujaat Ali Haq and Lauren Marcotte Blair -- Austin, TX : University of Texas at Austin, Lyndon B. Johnson School of Public Affairs ; Center for Transportation Research (CTR), 2017-05 (Transportation Policy Brief #6), 21 pp. <https://library.ctr.utexas.edu/ctr-publications/5-6690-01/prp6.pdf>

## **Rail**

### **Field Evaluation of Ballast Fouling Conditions Using Machine Vision - IDEA Program Final Revised Report /**

Erol Tutumluer et al. -- Washington, DC : Transportation Research Board, 2017-10 (IDEA Program SAFETY-27), 52 pp. <http://onlinepubs.trb.org/Onlinepubs/IDEA/FinalReports/Safety/Safety27.pdf>

### **New IDEAs for Rail Safety: Annual Report of the Rail Safety IDEA Program /**

Transportation Research Board -- Washington, DC : TRB, 2018-01 (Innovations Deserving Exploratory Analysis Program), 80 pp. [http://onlinepubs.trb.org/Onlinepubs/IDEA/rail\\_safety\\_idea\\_Annual.pdf](http://onlinepubs.trb.org/Onlinepubs/IDEA/rail_safety_idea_Annual.pdf)

## **Reference**

### **Transportation Depth Practice Exams for the Civil PE Exam /**

Dale R. Gerbetz -- Belmont, CA : Professional Publications, Inc., 2017, 52 pp.

### **Transportation Depth Reference Manual for the Civil PE Exam /**

Norman R. Voigt -- 2nd edition -- Belmont, CA : Professional Publications, Inc., 2017, various pagings

## **Research**

### **New Ideas for Highway Systems: An Annual Progress Report of the NCHRP IDEA Program /**

National Cooperative Highway Research Program, NCHRP 20-30 Ideas Deserving Exploratory Analysis (IDEA) Program -- Washington, DC : Transportation Research Board, 2018-01 (Innovations Deserving Exploratory Analysis Programs), 274 pp. [http://onlinepubs.trb.org/onlinepubs/IDEA/nchrp\\_annual\\_progress.pdf](http://onlinepubs.trb.org/onlinepubs/IDEA/nchrp_annual_progress.pdf)

## **Safety & Human Performance**

### **A Comparative Analysis of State Traffic Safety Countermeasures and Implications for Progress "Toward Zero Deaths" in the United States [TechSummary] /**

Jonathan Sung, Krista Mizenko, and Heidi Coleman -- Washington, DC : U.S. Dept. of Transportation, National Highway Traffic Safety Administration (NHTSA), Office of Behavioral Safety Research, 2017-10 (DOT HS 812 392), 10 pp. [https://www.nhtsa.gov/sites/nhtsa.dot.gov/files/documents/812392\\_rn-usprogresstowardzerodeathscomparativeanalysis\\_0.pdf](https://www.nhtsa.gov/sites/nhtsa.dot.gov/files/documents/812392_rn-usprogresstowardzerodeathscomparativeanalysis_0.pdf)

### **Estimation of Crossing Conflict at Signalized Intersection Using High-Resolution Traffic Data /**

Henry X. Liu et al. -- Minneapolis, MN : University of Minnesota, Dept. of Civil, Environmental, and Geo- Engineering ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2017-03 (MN/RC 2017-08), 56 pp.

4<sup>th</sup> Quarter, Acquisitions, Page 18 of 22

**Exploring Naturalistic Driving Data for Distracted Driving Measures /**

Sherif Ishak et al. -- Baton, Rouge, LA : Louisiana State University, Dept. of Civil and Environmental Engineering ; Louisiana Dept. of Transportation and Development, 2017-10 (FHWA/LA.17/580), 95 pp. [http://www.ltrc.lsu.edu/pdf/2017/FR\\_580.pdf](http://www.ltrc.lsu.edu/pdf/2017/FR_580.pdf)

**Improving Animal-Vehicle Collision Data for the Strategic Application of Mitigation /**

Bridget M. Donaldson -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-12 (FHWA/VTRC 18-R16), 29 pp. [http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/18-r16.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/18-r16.pdf)

**Increased Span Length for the MGS Long-Span Guardrail System Part III: Failure Analysis /**

Sagheer A. Ranjha et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Nebraska Dept. of Roads, Midwest State Pooled Fund Program, 2017-09 (TRP--03-362-17), 63 pp.

**Safe Main Street Highways Part I: Washington State Collision Data and Geocoding /**

Anne Vernez Moudon and Mingyu Kang -- Seattle, WA : University of Washington, Washington State Transportation Center (TRAC) ; Olympia, WA : Washington State Dept. of Transportation, Research Office, 2017-09 (WA-RD 862.1), 24 pp. <http://www.wsdot.wa.gov/research/reports/fullreports/862.1.pdf>

**Safe Main Street Highways Part II: Analyses of Collisions Involving Pedestrians and Bicyclists in Washington State /**

Anne Vernez Moudon and Mingyu Kang -- Seattle, WA : University of Washington, Washington State Transportation Center (TRAC) ; Olympia, WA : Washington State Dept. of Transportation, Research Office, 2017-09 (WA-RD 862.2), 70 pp. <http://www.wsdot.wa.gov/research/reports/fullreports/862.2.pdf>

**Safety Evaluation of Edge Line Rumble Stripes (ELRSs) on Rural, Two-Lane Horizontal Curves [TechBrief] /**

Turner-Fairbank Highway Research Center -- McLean, VA : Federal Highway Administration, TFHRC, 2017-11 (FHWA-HRT-17-068), 12 pp. <https://www.fhwa.dot.gov/publications/research/safety/17068/index.cfm>

**Safety Evaluation of Horizontal Curve Realignment on Rural Two-Lane Roads [TechBrief] /**

Turner-Fairbank Highway Research Center -- McLean, VA : Federal Highway Administration, TFHRC, 2017-11 (FHWA-HRT-17-067), 8 pp. <https://www.fhwa.dot.gov/publications/research/safety/17067/index.cfm>

**Safety Evaluation of Red Light Indicator Lights at Intersections /**

Scott Himes et al. -- Vienna, VA : VHB ; Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration ; McLean, VA : FHWA, Turner-Fairbank Highway Research Center, 2017-11 (FHWA-HRT-17-077), 56 pp. <https://www.fhwa.dot.gov/publications/research/safety/17077/17077.pdf>

**Safety Evaluation of Red-Light Indicator Lights (RLILs) [TechBrief] /**

Turner-Fairbank Highway Research Center -- McLean, VA : Federal Highway Administration, TFHRC, 2017-11 (FHWA-HRT-17-078), 8 pp. <https://www.fhwa.dot.gov/publications/research/safety/17078/index.cfm>

### **Warning Systems Evaluation for Overhead Clearance Detection /**

Marcel Maghiar, Mike Jackson, and Gustavo Maldonado -- Statesboro, GA : Georgia Southern University, Dept. of Civil Engineering and Construction Management ; Forest Park, GA : Georgia Dept. of Transportation, Office of Research, 2017-07 (FHWA-GA-16-1521), 115 pp.

### **Security**

#### **Transportation Systems Resilience: Preparation, Recovery, and Adaptation /**

Transportation Research Board, Transportation Systems Resilience Section, Standing Committee on the Logistics of Disaster Response and Business Continuity, Standing Committee on Emergency Evacuations, and Standing Committee on Critical Transportation Infrastructure Protection -- Washington, DC : TRB, 2017-11 (Transportation Research Circular E-226), 44 pp.  
<http://onlinepubs.trb.org/onlinepubs/circulars/ec226.pdf>

#### **Transportation Systems Resilience: Preparation, Recovery, and Adaptation /**

Transportation Research Board -- Washington, DC : TRB, 2017-09 (TR News No. 311 (September-October 2017)), 52 pp. <http://www.trb.org/Publications/Blurbs/176812.aspx>

### **Technology Transfer**

#### **Review of NCHRP Study Implementation at the New Jersey Department of Transportation /**

Lazar N. Spasovic and Branislav Dimitrijevic -- Newark, NJ : New Jersey Institute of Technology, Dept. of Civil and Environmental Engineering ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2017-07 (FHWA-NJ-2017-014), 79 pp.  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-014.pdf>  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-014-TB.pdf> - Tech Brief

#### **Texas Technology Task Force: Expanding Texas's Innovation Roadmap /**

Kristie Chin et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2017-09 (FHWA/TX-17/0-6902-2), 105 pp. <https://library.ctr.utexas.edu/ctr-publications/0-6902-2.pdf>

### **Traffic**

#### **Highway Capacity Manual - 6th Edition: A Guide for Multimodal Mobility Analysis [Looseleaf] /**

Transportation Research Board, Committee on Highway Capacity and Quality of Service et al. -- 6th edition -- Washington, DC : TRB, 2016, 4 volumes Volume 4 at <http://www.trb.org/HCM>

#### **Integrated Incident Management System (IIMS) Web Client Application Development, Deployment and Evaluation Staten Island (SI) Demonstration Project /**

Elena Prassas -- Brooklyn, NY : New York University (NYU) Tandon School of Engineering ; Albany, NY : New York State Dept. of Transportation (NYSDOT) ; New York : City College of New York, University Transportation Research Center - Region 2, 2015-09, 56 pp.  
<http://www.utrc2.org/sites/default/files/Final-Report-Integrated-Incident-Management-System-Prassas.pdf>

4<sup>th</sup> Quarter, Acquisitions, Page 20 of 22

**Integrated Incident Management System (IIMS) Web Client Application Development, Deployment and Evaluation: An Evaluation of a Potential IIMS Deployment in Western New York /**

Adel Sadek, Andrew Bartlett, and Carl Hempel -- Buffalo, NY : University at Buffalo, the State University of New York, Institute for Sustainable Transportation & Logistics ; Albany, NY : New York State Dept. of Transportation (NYSDOT) ; New York : City College of New York, University Transportation Research Center - Region 2, 2015-09, 120 pp.

<http://www.utrc2.org/sites/default/files/Final-Report-Integrated-Incident-Management-System-Sadek.pdf>

**Montana Weigh-In-Motion (WIM) and Automatic Traffic Recorder (ATR) Strategy /**

Jerry Stephens et al. -- Bozeman, MT : Montana State University, Western Transportation Institute ; Helena, MT : Montana Dept. of Transportation, 2017-03 (FHWA/MT-17-005-8222-001), 288 pp.

[http://www.mdt.mt.gov/other/webdata/external/research/docs/research\\_proj/wim/FINAL\\_REPORT.pdf](http://www.mdt.mt.gov/other/webdata/external/research/docs/research_proj/wim/FINAL_REPORT.pdf)

**Sign Life-Cycle Policies and Practices /**

CTC & Associates LLC -- St. Paul, MN : Minnesota Dept. of Transportation, Office of Transportation System Management, Research Services & Library, 2017-10 (TRS 1707), 220 pp.

<http://dot.state.mn.us/research/TRS/2017/TRS1707.pdf>

**Transit**

**Analysis of Local Bus Markets - Volume I: Methodology and Findings - Volume II: Rider Characteristics - Volume III: Travel Characteristics /**

Devajyoti Deka -- Piscataway, NJ : Rutgers, The State University of New Jersey, Alan M. Voorhees Transportation Center ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2017-07 (FHWA-NJ-2017-013, 2017-013-2, 2017-013-3), in 3 vols., 70 pp., 65 pp., 88 pp.

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-013-Volume-I.pdf>

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-013-Volume-II.pdf>

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-013-Volume-III.pdf>

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2017-013-TB.pdf> - Tech Brief

**Best Practices in Rural Regional Mobility /**

KFH Group, Incorporated and Cambridge Systematics, Inc. -- Washington, DC ; Transportation Research Board, 2017 (NCHRP Research Report 861), 173 pp.

<http://www.trb.org/Publications/Blurbs/176823.aspx>

**Enhancing Safety and Security of Transit Systems using Computer Vision /**

Dimitris N. Metaxas -- Washington, DC : Transportation Research Board, 2017-09 (Transit IDEA Project 80), 23 pp. <http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Transit/Transit80.pdf>

**Evaluating Public Transit Criticism: Systematic Analysis of Political Attacks on High Quality Transit, and How Transportation Professionals Can Effectively Respond /**

Todd Litman -- Victoria, Canada : Victoria Transport Policy Institute, 2017-09, 89 pp.

<http://www.vtppi.org/railcrit.pdf>

**Exploring the Costs of Electrification for California's Transit Agencies /**

Hanjiro Ambrose, Nicholas Pappas, and Alissa Kendall -- Davis, CA : University of California-Davis, Institute of Transportation Studies, 2017-10, 64 pp.

[https://its.ucdavis.edu/research/publications/?frame=https%3A%2F%2Fitspubs.ucdavis.edu%2Findex.php%2Fresearch%2Fpublications%2Fpublication-detail%2F%3Fpub\\_id%3D2774](https://its.ucdavis.edu/research/publications/?frame=https%3A%2F%2Fitspubs.ucdavis.edu%2Findex.php%2Fresearch%2Fpublications%2Fpublication-detail%2F%3Fpub_id%3D2774)

4<sup>th</sup> Quarter, Acquisitions, Page 21 of 22



**Impact of Transit Stop Location on Pedestrian Safety - Final Report /**

Brian Pessaro et al. -- Tampa, FL : University of South Florida, Center for Urban Transportation Research (CUTR) ; Tallahassee, FL : Florida Dept. of Transportation, Research Center, 2017-10 (FDOTBDV25-977-32), 143 pp.

[http://www.fdot.gov/research/Completed\\_Proj/Summary\\_TE/FDOT-BDV25-977-32-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_TE/FDOT-BDV25-977-32-rpt.pdf)

**Work Zones**

**Examination of the Current Practice of Lighting in Virginia: Nighttime Work Zones and Improving Safety Through the Development of Nighttime Lighting Specifications /**

Rajaram Bhagavathula et al. -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2017-09 (FHWA.VTRC 18-R3), 87 pp.

[http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/18-r3.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/18-r3.pdf)

4<sup>th</sup> Quarter, Acquisitions, Page 22 of 22

**APPENDIX D**

**PRESENTATION ON 96<sup>TH</sup> TRB ANNUAL MEETING SESSIONS ATTENDED**



**TRB 96<sup>th</sup> Annual Meeting**  
**Jan 8-12, 2017**

**Presentations, Meetings, and  
Workshops Attended**

*Carol Paszamant – NJDOT Research Library*

## ***Why are librarians at TRB?***



- Improving access to research
- Presenting and coordinating
- Learning

## ***What did I attend?***

### ***Meetings!***



- ∞ LIST Committee
- ∞ TRB Information Services Committee
- ∞ TRT Thesaurus Subcommittee

## **Sessions –**

*Library-related or coordinated:*

- **Public Access Speed Dating**

– *DMPs*



- **Brass Tacks of Knowledge Management**

- **Poster sessions**

## **Other sessions –**

- ❖ **Safety:**



*Neighborhood Greenways*

- ❖ **Policy:**



*Big Brother in the Sunshine*

## ***More sessions***

### ❖ **Environment:**



✧ *Pollinators on the Verge*

✧ *We Know There's a Climate Problem*

✧ *Maintaining Connectivity*



## ***Benefits of attending:***

➤ **Learning and sharing**

➤ **Making contacts**

➤ **Visiting the Exhibits**



## **Benefits** (continued)

### ➤ **The Journey itself**

∞ **Observation**

∞ **Inspiration**



*Thank you for the opportunity to attend!*

## **More Information**

**Available from:**

∞ **TRB /**  **TRID**  
*the TRIS and ITRD database*

∞ **NJDOT Research Library**

 **"Your Knowledge-sharing partner"**



**APPENDIX E**  
**TRANSPORTATION LIBRARY-RELATED ENTITIES**



## Transportation Library-Related Entities - a Quick History

New to the world of transportation librarianship? Or, *not* so new and . . . confused? Here is a cheat sheet, in roughly chronological order of existence, to inform and/or remind us: Who is who?? And what is what? An alphabetical index is at the end.

It all began with **John Cotton Dana** (1856-1929), the first president (1909-1911) and founder of the [Special Libraries Association \(SLA\)](#). The SLA [Transportation Division \(DTRAN\)](#) was founded in 1943. The Division is the original sponsor of the [TRANLIB](#) email discussion list, and [GTRIC](#), a meeting held annually as a preconference at the SLA Annual Conference. [GTRIC](#), an acronym for “Government Transportation Research Information Committee,” originally comprised librarians from the state DOTs. With the expansion of GTRIC’s audience and participants, other names have been floated, although the acronym remains.

The [Transportation Research Board \(TRB\) Library and Information Science for Transportation \(LIST\) Committee \(ABG40\)](#), aka the [TRB LIST Committee](#), part of the TRB [Research and Education \(ABG00\) Section](#), “serves as a forum for transportation librarians and the transportation research community on developments in information science and their applicability to transportation.”

[TRB Information Services Committee](#), aka [TRB Committee \(B0002\)](#), serves as a sounding board and feedback mechanism to ensure the quality of the Transportation Research Information Services (TRIS) including the TRB databases: [Research Needs Statements \(RNS\)](#); [Research in Progress \(RIP\)](#); [Practice-Ready Papers \(PRP\)](#); [TRB Publications Index \(PubsIndex\)](#); [TRID](#), an integrated database that combines the records from TRB’s [Transportation Research Information Services \(TRIS\)](#) Database and the OECD’s Joint Transport Research Centre’s [International Transport Research Documentation \(ITRD\)](#) Database; and the [TRB Library](#). A [Transportation Research Thesaurus \(TRT\)](#) Subcommittee reviews proposed terms to improve the indexing and retrieval of transportation information.

[National Transportation Library \(NTL\)](#) - Established as a digital library in 1998 by the Transportation Equity Act for the 21st Century (TEA-21) to provide national and international access to transportation information, coordinate information creation and dissemination, and provide reference services for DOT employees and stakeholders; NTL’s authorized role was expanded in 2012’s Moving Ahead for Progress in the 21st Century (MAP-21). It is part of the [U.S. Department of Transportation \(US DOT\)](#), [Office of the Assistant Secretary for Research and Technology \(OST-R\)](#).

**NTL staff**, together with [AASHTO](#) Information Resource Manager, **Bob Cullen**, sponsor and coordinate the [Transportation Librarians Roundtable](#), a monthly webinar on topics of interest to transportation librarians.

### [Transportation Knowledge Networks \(TKNs\)](#):

[National Transportation Knowledge Network \(NTKN\)](#) – led by NTL, membership comprises librarians from AASHTO, TRB, the TRB LIST Committee, USDOT, SLA DTRAN, and the regional TKN chairs. The boundaries for each regional TKN were determined using the same criteria as the [AASHTO regions](#):

[Midwest Transportation Knowledge Network \(MTKN\)](#) includes transportation organizations in AASHTO Region 3. The MTKN was the first group created as part of a larger effort to form a national transportation knowledge network.

[Eastern Transportation Knowledge Network \(ETKN\)](#) comprises representatives of transportation organizations from the Eastern U.S. (AASHTO Regions 1 and 2).

[Western Transportation Knowledge Network \(WTKN\)](#) is a diverse group of transportation organizations from [AASHTO Region 4](#).

“**Pooled Fund**” in the context of the transportation library community refers to two 5-year FHWA-sponsored cooperative agreements between participating state DOTs. The first, [Transportation Library Connectivity Pooled Fund Study TPF-5\(105\)](#), was coordinated by Wisconsin DOT as lead state. Approved by FHWA in 2005, it ran from 2006 - 2010. The second, FHWA Pooled Fund Study [Transportation Library Connectivity & Development TPF-5\(237\)](#), was coordinated by lead state Missouri DOT. Both studies were led by consultant **Maggie Sacco** previously of CTC & Associates LLC, and more recently, HS InFocus.

[AASHTO RAC TKN Task Force \(TF\)](#): shorthand for the **American Association of State Highway and Transportation Officials (AASHTO) Standing Committee on Research (SCOR)** and its [Research Advisory Committee \(RAC\) Transportation Knowledge Networks Task Force](#). This group comprises representatives from state DOT research units and “serves as a forum to develop the concept, understanding, and application of transportation knowledge networks for the transportation sector.”

[TLCat](#), created in 2004 as a National Union Catalog of Transportation Libraries via an OCLC Group Catalog, featured the holdings of the transportation libraries in OCLC as a subset. Supported by the National Transportation Library with the cooperation of the Midwest Transportation Knowledge Network, the prototype regional group, and the National Pooled Fund Study for Library Connectivity, TLCat is no longer being maintained. **Ken Winter** of Virginia DOT provided a [Brief History of TLCat](#) in December 2006.

The **AASHTO RAC TKN TF** is in the process of morphing into the **AASHTO [RAC Coordination & Collaboration Task Force \(CCTF\)](#) TKN Working Group** led by Missouri DOT.

#### Resources:

[Directory of Transportation Libraries and Information Centers](#) / **Susan C. Dresley** - 10th edition – revised – Washington, DC : U.S. Department of Transportation, Office of the Assistant Secretary for Research & Technology, Bureau of Transportation Statistics, National Transportation Library, 2014.

[Implementing Transportation Knowledge Networks](#) / **Spy Pond Partners, LLC; University of Minnesota Center for Transportation Studies**; and **Sandy Tucker** -- Washington, DC : Transportation Research Board, 2009 (NCHRP Report 643) – and 2010 follow-up [Directory](#) of U.S. transportation libraries and information centers that could be potential participants in the TKNs.

[Transportation Knowledge Network](#) / Oklahoma Department of Transportation, Video Production Branch, 20?? – 3:54 minute video explaining the TKNs.

[Transportation Knowledge Networks: A Management Strategy for the 21st Century](#) / Committee for a Future Strategy for Transportation Information Management – Washington, DC : Transportation Research Board, 2006 (Special Report 284).

**Alphabetical index to entities:**

AASHTO RAC Coordination & Collaboration Task Force (CCCTF) working Group

AASHTO RAC TKN Task Force (defunct – replaced by above)

[ETKN](#)

GTRIC

[MTKN](#)

[National Transportation Library \(NTL\)](#)

[NTKN](#)

Pooled Fund(s) (closed as of 10/1/2015)

[SLA Transportation Division](#)

[TLCat](#) (defunct)

[TRANLIB](#)

[WTKN](#)

[Transportation Knowledge Networks \(TKNs\)](#)

[Transportation Librarians Roundtable \(TLR\)](#)

Compiled by Carol Paszamant 7/24/2017

**APPENDIX F**

**POSTER ON DOWNLOADING CAVEAT FOR AASHTO DIGITAL DOCUMENTS FOR  
PRESENTATION AT TRB 97<sup>TH</sup> ANNUAL MEETING**

Attention: AASHTO Committee Members:

## AASHTO Digital Publications - Before you download . . . (Don't!!)



For AASHTO Committee members notified of new digital publications with download/"purchase" instructions -

### Abstract

Given all the confusion since AASHTO started providing their publications to state DOTs in digital format, and given the complexities of the download process, the limit of one free download per institution, and the need for DRM account login and password to open such documents, the credentials for which, once used, cannot be transferred to another account, it would therefore be helpful for state DOT libraries to inform their organizations of the best practice of letting their department library download these publications so that access can be predictable and consistent for all such publications.

### Who?

*AASHTO Committee Members who receive email notifications of new digital publications your agency receives as part of its AASHTO State DOT membership.*

### What?

**Let Your Library Register First!**



**Let your Library do the Downloading!!**

### Why?

- ✓ Consistent login access to digital publications.
- ✓ No need to find the "owner" who originally did the download to get their credentials.
- ✓ Document storage and ease of retrieval.
- ✓ Reliable notification of new publications.
- ✓ Save your time, and your and your coworkers' sanity!

- ❖ Time of downloading -
- ❖ Time of figuring out what to do with the document -
- ❖ Time to notify others -

### What Happens If I Register It?



- The promotion code to register the complimentary publication can only be used ONCE.
- If you register for it, the publication can only be accessed within your organization using YOUR credentials.
- Once a publication has been registered, it can't be transferred to another owner (like the library).

**If you download, you're responsible!!!**

### No Library or Librarian?

Your state DOT may already have a Designee who is responsible for registering, downloading, saving and archiving a copy.

*Not sure who it is? Ask the AASHTO Publications Department, your agency's Director's Office or Research Division Administrator.*



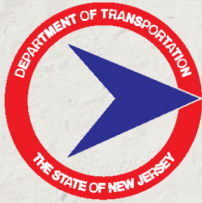
### More Information



- Carol Paszamant, Librarian, NJDOT Research Library, 609-530-5289, email carol.paszamant@dot.nj.gov
- Renée McHenry, Transportation Librarian, Missouri DOT, 573-522-1948, email renee.mchenry@modot.mo.gov
- John Cherney, Wisconsin DOT Library, 608-264-8142, email john.cherney@dot.wi.gov
- Karen Waters, Technical Reference Librarian, Illinois DOT, 217-782-6680, email Karen.Waters@illinois.gov

**APPENDIX G**

**AASHTO TRANSPORTATION COORDINATION CURRICULUM COUNCIL (TC3)  
ONLINE TRAINING PROMOTIONAL FLYER / POSTER**



NJDOT employees have free access to TC3's online courses!



A TECHNICAL SERVICE PROGRAM OF:



## ONLINE TRAINING RESOURCES FOR THE TECHNICAL WORKFORCE



24/7 Training for Construction, Maintenance, Materials Front-Line Workers



190,000+ Trained Across All 50 States



More Than 190 Courses



Free Training for Contributing States

Download the free TC3 mobile app to stay in the know!



LEARNING MANAGEMENT SYSTEM

[training.transportation.org](http://training.transportation.org)

WEBSITE

[tc3.transportation.org](http://tc3.transportation.org)

For more information on how to access TC3 training, please call 609-530-5289 or email [library@dot.nj.gov](mailto:library@dot.nj.gov).