

Missouri Department of Transportation (MoDOT) Transportation Library May 2015



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Overview

- * Over a decade of collaboration between University of Missouri and MoDOT to provide library services to MoDOT staff
- * Partner with Missouri State Library to host collection and librarian since 2006
- * Embedded librarian @ MoDOT Construction & Materials
- * Participate in regional and national transportation knowledge networks since their inception
- * Lead agency contact for FHWA Pooled Fund for Transportation Library Connectivity and Development (23 members from 22 states; \$1.5M in funding)

Annual Profile

Based on FY2014 data



❖ Answered 146 reference requests

- Internal: 88% -- representing 15 MoDOT Divisions
 - Construction & Materials (52% of demand)
 - Senior Management Team (6% of requests)
- External: 12% -- mostly other state DOTs or members of the public
- In-depth literature search summaries: 21%
- Factual research requests: 79%
- Time spent ~ 712 hours (est. savings to MoDOT \$17,000)*

❖ Circulated 16,000+ print and digital items

- Most popular venues: Scribd (57%), Missouri State Publications Digital Library (27%)

❖ Shared unique resources

- 20+ items loaned to other libraries

*Assumes time savings of 16 hours per literature search and 2 hours per research request. Hourly value figures are based on annual weighted average salary for a MoDOT permanent full-time employee as reported in the 2013 AASHTO Salary Survey.

Annual Profile

Based on FY2014 data



❖ Make relevant and timely data accessible

- Library Catalog: Holds 10,500+ print, media and digital items with an emphasis on applied transportation research
 - Almost 4% of items are unique in OCLC WorldCAT
 - 350+ items added last year
- Access to transportation resources (some librarian intermediated)
- Literature search archive on intranet

❖ Increase access to MoDOT publications

- Innovation Library: 651 research publications (22 new additions)
 - Home page: 3,620 page views
 - 592 reports accessed
 - RSS feed for new report announcements
- State Government Publications Digital Repository: 474 administrative reports
 - 4,971 cumulative reads/downloads
 - 95% of reports used at least once

Research Topic Examples



* **Materials/Products**

- Crumb rubber for crash cushions
- Bituminous-type crack sealers for bridge decks
- Material properties for roller compacted concrete

* **Construction/Administration**

- How do state DOTs prequalify contractors?
- Field use of the iPad in highway construction

* **Technical/Engineering**

- Dissimilar metal corrosion, particularly galvanized metals in contact with weathering steel

* **Operations**

- Mitigation of wind-driven snow build-up in LED traffic signal indications
- Audible alerts for work zones

* **Policy**

- Best practices for comprehensive safety programs

Feedback

“I appreciate all your efforts. I must have found the right person. You went above and beyond” —
Member of the public

“You are most awesome and thank you and your connections for scanning and forwarding. This is for our Kansas City Office who will be most appreciative”— *Bridge Division*

“Very nice report”— *Chemical Lab Director*



“Thank you for the well summarized literature review. This will give us a place to start”— *State Maintenance Engineer*

“I am writing to recognize the MoDOT Library for providing outstanding service to the Virginia Department of Transportation ... what an asset you have” — *State DOT*

“Our MoDOT Librarian was a tremendous help on this project by finding relevant information and helping with the formatting of the final recommendation”— *Senior Research Analyst*

“Thanks for the great finds you emailed me today on very short notice. I was able to review them all quickly and gather together the needed information for my meeting tomorrow morning. I appreciate your assistance and wouldn't be successful without it!”—*Customer Relations Specialist*