



VDOT Research Library

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Library Templates Redesigned

Working with graphics support from VDOT Communications in the quarter, the library has redesigned the look of some key deliverables. The *Research Synthesis Bibliography* (RSB) is a customized search for information on a topic that is authoritative, confidential, objective, and nonpartisan. The RSB includes an exhaustive literature search (using both subscription and freely accessible sources), excerpts from key documents, and interviews and contact information of known subject experts. RSBs usually take 4-6 weeks to compile.

The *Search Request* template has also been redesigned. Search requests are comprehensive literature searches that cite resources such as state DOT reports, peer-reviewed articles from TRB and other key publishers, and other timely and reliable sources. If available, links to full-text online documents are included. To help address the backlog of literature searches, the library has developed a third deliverable, a fast-track version of the Search Request, which is designed to provide the same service but with a faster turnaround, but less comprehensive. The new *Search Request* template is shown at right.



Search Template

Literature Search Topics

Below are some of the topics of literature searches this quarter:

- How is research implemented in government and the private sector?
- What research exists to support professional licensure (engineering specifically) at an agency like VDOT?
- What research exists documenting the behavior of compacted clays, specifically triaxial tests, stress-strain behavior and engineering properties?
- What best practices exist for multi-agency, multi-jurisdictional efforts for regional cooperation for transportation operations, specifically inter-agency collaboration models?

VDOT Library Research Outreach Using *LinkedIn* Messages

The library continued to use *LinkedIn* to send targeted e-mail messages to a growing body of VDOT employees, now up to 275 addresses. This method has proven to be an effective way to reach VDOT employees the library would never know about and could not reach any other way. Three messages sent this quarter had the following subject lines:

ASTM: You Asked for It, You Got It!
Knovel Adds Full-Text ASCE Publications
Free Webinars: ASTM Portal

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Library Statistics: By the Numbers

	FY 2013 Q2	FY 2013 Q1	FY 2012 Q4	FY 2012 Q3	FY 2012 Q2	More info on
Reference Questions Answered	58	97	121	130	90	Page 6
Questions Answered for VDOT	35	75	82	100	52	Page 6
Items Loaned through ILL	7	13	21	21	15	Page 7
Items Borrowed through ILL	41	98	43	50	37	Page 7
Document Deliveries to VDOT	23	103	35	24	14	Page 7
Total Hard-Copy Collection Usage	203	268	295	195	162	Page 8
VDOT Hard-Copy Collection Usage	163	235	234	149	118	Page 8
VDOT EOS Catalog Downloads	128	104	72	87	160	Page 8
Subscription Downloads by VDOT	790	1,297	1,387	1,919	1,551	Page 9
ASTM DOT Web Portal (New!)	1,826					Page 9
Books 24X7 Items Accessed by VDOT	374	333	374	328	288	Page 9
Total VDOT Downloads/Items Accessed	3,118	1,734	1,833	2,334	1,999	
EOS Record Count - Volumes: Available Items in the Library Catalog	46,709	46,240	46,055	45,938	45,837	Page 6

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LIBTRAIN: In-service Database Webinars

Due to changes in library staffing and new opportunities for cross training, the library decided to schedule staff in-service Webinars this quarter, which we call LIBTRAIN. The goal of the first round of LIBTRAIN Webinars is to orient library staff with full-text research databases so that they can adequately answer questions patrons have and to more effectively conduct their support activities for researchers. Each Webinar is 30 minutes long and provides a basic background, history, and overview of a library subscription database. The plan is to continue these Webinars indefinitely. So far they have only been offered to library staff, but if they go well, consideration will be given to offering them again to a larger audience. Webinars held this quarter were:

- ASCE Library Database
- Books24x7 Database
- EBSCO Business Book Summaries

Database Use

Full-text online database use has continued to increase as the library has acquired more databases and marketed those resources as an important new way for VDOT employees to provide self-service access to information. This quarter, following extensive testing with VDOT's Materials Division, the library helped purchase a full-text database that allows any VDOT employee to get full text ASTM standards. (See below.) The resource allows for viewing standards on screen as html documents or downloading them as pdf files. A total of 1,826 page views for the quarter indicates that many documents were viewed onscreen. At this time there is no way of knowing how many of those standards were downloaded in pdf format. Staff is working with ASTM to track that statistic through a new version of the interface to be released next quarter.

Due in large part to the addition of the ASTM DOT Web Portal database, usage statistics, measured by downloads and on screen use, was up significantly from 1,734 last quarter to 3,118. In addition, staff sees an increase in access to non-traditional materials such as video clips through Books24x7.

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New Database Subscription Finalized for the ASTM DOT Web Portal

After last quarter's successful database trial and collaboration with the Materials Division (Elko) and VCTIR to find a better way for VDOT employees to access online versions of ASTM standards, the divisions signed a contract for an annual subscription to the ASTM DOT Web Portal.

The database provides all VDOT employees access to more than 9,000 full-text documents, about 98% of which are ASTM standards. ASTM standards are widely used throughout the agency and by contractors working for the agency. The standards are expensive and ASTM protects its intellectual property rights carefully. These factors motivated the library to help find an affordable and scalable solution for accessing and for sharing the standards.

After the contract was initiated and IT and authentication issues were resolved, the library worked with VDOT Communications to promote the new resource agency-wide through an article on *InsideVDOT* and an agency-wide email. In addition, targeted marketing was sent to district administrators, to about 50 known users of the database through the previous trial, to the staff of VCTIR, and to about 270 VDOT employees through *LinkedIn*.

As a result, the first quarter of use saw 1,826 views of ASTM standards and other documents by VDOT employees from all districts and divisions. By comparison, last year a small group of VDOT employees had restricted access to a database from another vendor to download ASTM standards. Due to difficulties in access and a pay-as-you-go costing, only 312 standards were accessed at a significantly higher cost than the new subscription.

While the cost reduction is significant, there is an even greater value in the expanded availability to all agency employees and the improvement in the quality of their work thanks to access to the right information when needed.

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Collections, Cataloging, and Technical Services

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EOS Catalog Record Count

Library Record Count Report as of:		
	Dec 31	Sept 30
Titles	33,807	33,375
Copies	43,908	43,413
Volumes (Items)	46,709	46,240

This **Record Count Report** reflects the totals in the library's permanent collection

OCCL WorldCat Cataloging Statistics December 31, 2012

	FY13 Q2	FY12 Q1
Transactions*	2,874	793
Holdings Added to WorldCat Records	264	114
Total Titles as of June 30, 2012	33,630	33,323

*Includes search, browse, update, replace, export, display holdings, and delete holdings

Reference and Research Services

VDOT Reference and Research Questions

	FY13 QTR 2	FY13 QTR 1	FY12 QTR 4	FY12 QTR 3	FY12 QTR 2
VDOT Questions	35	75	121	100	52

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All Reference and Research Questions

Origin	Questions	VCTIR/CO/Districts	Questions
VDOT	35	VCTIR	19
		Central Office	11
Other (Non-affiliated)	23	Fredericksburg	1
		Staunton	3
Total Questions	58	NoVA	1

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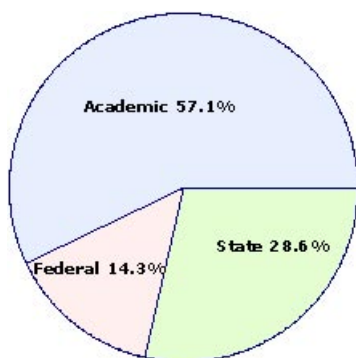
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Interlibrary Loans (ILL) and Document Delivery

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Interlibrary lending helps the library quickly locate, acquire, and deliver specialized information in a way that is more effective than if the library were to attempt to acquire, catalog, and store the same publications. The library uses OCLC software that helps efficiently place and receive loan requests from a pool of thousands of libraries worldwide. The library is able to offer this service to all VDOT employees.

VDOT as a Lender to Other Libraries



The library received 22 requests from 18 libraries in 15 states. A total of 7 items were loaned and, of these, 3 items were sent to transportation libraries. Academic libraries were sent 4 items, a federal library 1, and state libraries were sent 2 items. Of all loans, 4 were hard copy items and 3 were photocopy/digital fax (articles, chapters, excerpts).

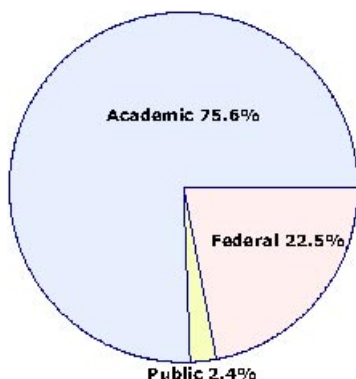
Academic	State	Private	Federal	Public	Total Items Lent
4	2	0	1	0	7

Document Deliveries

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The library also provided 23 additional items this quarter to VDOT patrons through Document Delivery.

VDOT as a Borrower from Other Libraries



The library requested and received 41 items and, of these, 5 came from transportation libraries. Items were borrowed from 30 libraries in 13 states and Canada. Academic libraries supplied 31 of the requests, federal libraries sent 9, and a public library provided 1. Of all requests, 17 were filled as hard copy (books/reports) and 24 as photocopy/digital fax (articles, chapters, excerpts).

Academic	State	Private	Federal	Public	Total Items Borrowed
31	0	0	9	1	41

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VDOT Research Library

Library Collection and Subscription Usage in the Quarter

Total Circulation from the Collection	331
Subscription Downloads	790
Items Accessed by VDOT	2,200
Library Usage in the Quarter	3,321

Collection Usage

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Collection Usage for the Quarter			
Location	Items	VCTIR/CO/ Districts	Print Items
VDOT	163	VCTIR	58
U. Va.	27	Central Office	45
Other (In House/ILL)	13	Hampton Roads	5
Hard-Copy Total	203	Fredericksburg	32
Electronic (EOS) Catalog Downloads	128	Staunton	8
		NoVA	15
Total Circulation from the Collection	331		

EOS Downloads >5,800 URLs to full text documents	
Oct	64
Nov	26
Dec	38
Total	128

Collection usage tracks circulation of items from the VDOT Research Library's collection, which include hard-copy books and periodicals, CDs, and DVDs. In addition, electronic downloads of items in the Library's EOS catalog, which include articles, reports, and proceedings papers, are counted as part of the collection usage to reach the total circulation figure of 331.

VDOT Hard-Copy Usage

VDOT Checkouts/Renewals by Quarter				
FY13 QTR 2	FY13 QTR 1	FY12 QTR 4	FY12 QTR 3	FY12 QTR 2
163	235	234	149	118

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VDOT Research Library **Subscription Usage**

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Subscription Downloads by VDOT				
	October	November	December	Total
TRR Online >12,400 articles in pdf	67	69	22	158
NTRL >750,000 reports in pdf	8	0	11	19
ASCE > 92,000 articles or proceedings papers in pdf	49	63	64	176
KNOVEL >800 e-books in pdf	111	84	53	248
Business Source Complete pdf and html	13	7	6	26
Business Book Summaries > 1,700; pdf, html, MP3	23	0	0	23
Regional Business News pdf and html	120	0	0	120
International Journal of Pavement Engineering pdf and html	10	6	2	18
Corrosion pdf and html	0	0	0	0
Highway Capacity Manual pdf	0	2	0	2
Monthly Totals	401	231	158	790

Subscription Downloads by Quarter				
FY13 QTR 2	FY13 QTR 1	FY12 QTR 4	FY12 QTR 3	FY12 QTR 2
790	1,297	1,387	1,919	1,551

Subscription databases, which were acquired by the library in 2010, have significantly increased availability of hundreds of thousands of articles and reports and more than 28,500 e-books to each VDOT desktop. Electronic items downloaded are articles, reports, proceeding papers, and full-text AASHTO publications. Items accessed on screen are reported for Books 24X7.

Items Accessed by VDOT

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Books 24X7 and ASTM DOT Web Portal Items Accessed by VDOT		
All items accessed via html onscreen	Books 24x7 > 31,000 e-books	ASTM (NEW!) > 9,000 standards papers, and reports
October	108	427
November	174	512
December	92	887
Total	374	1,826

Items Accessed by VDOT			
	Books 24X7	ASTM DOT Web Portal (NEW!)	Total
FY12 QTR 2	288		288
FY12 QTR 3	328		328
FY12 QTR 4	374		374
FY13 QTR 1	333		333
FY13 QTR 2	374	1,826	2,200