



VDOT Research Library

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Library Provides a Variety of Services for VDOT

In addition to the cataloging and reference services VDOT Research Library staff perform, librarians provide many other services for VDOT. Among these are some that may not be considered traditional.

Library staff continues to consult with other VDOT departments on things like vendors, access issues, and specialized information/content. During the quarter staff consulted with the Learning Center regarding authentication for Books24x7 and VDOT IT on a possible subscription to Gartner Group content.

The library continues to seek copyright permissions for other departments within the agency. Included was a standard from the Swedish Geotechnical Society for limited access on SharePoint.

Ken Winter continues outreach efforts to inform VDOT personnel about P.E. and other exam study collections. Marketing efforts using *LinkedIn* proved especially effective in this area.

Library staff remain responsive to patrons seeking un-owned materials. A collection development policy and an efficient process for ordering materials is in place to better serve VDOT.

Internet access to content has become the norm. Full-text access through licensed databases rose to a record high of 3,292 downloads by VDOT employees during the quarter. Based on current circulation and database access statistics, for every one physical item used by patrons, 15.9 virtual items were used. That is up from a 12:1 ratio last year.

VDOT Library Research Outreach Using *LinkedIn* Messages

This quarter more inquiries were received from VDOT's districts than is typical. This could be attributed in part to the increase of outreach and marketing efforts, including direct e-mail, but is believed to be mainly due to the use of concise *LinkedIn* marketing messages to VDOT personnel. The library has been using *LinkedIn* since 2011 and the list of employee connections is up to 286 people. The library sends *LinkedIn* messages only on topics thought to be relevant to patrons. Six messages sent this quarter:

1. *TRID Database Tops 1 Million Records!* (271 recipients)
2. *FREE Full-Text Business Periodicals!* (265 recipients)
3. *Highway Capacity Manual 2010: Corrections and Clarifications* (265 recipients)
4. *FREE TRB Publications: Just a Click Away* (276 recipients)
5. *TTI's Annual Urban Mobility Report* (284 recipients)
6. *Free P.E. Exam Study Materials!* (278 recipients)

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Library Statistics: By the Numbers

	FY2013 Q3	FY 2013 Q2	FY 2013 Q1	FY 2012 Q4	FY 2012 Q3	More info on
Reference Questions Answered	121	58	97	121	130	Page 6
Questions Answered for VDOT	89	35	75	82	100	Page 6
Items Loaned through ILL	18	7	13	21	21	Page 7
Items Borrowed through ILL	32	41	98	43	50	Page 7
Document Deliveries to VDOT	21	23	103	35	24	Page 7
Total Hard-Copy Collection Usage	207	203	268	295	195	Page 8
VDOT Hard-Copy Collection Usage	156	163	235	234	149	Page 8
VDOT EOS Catalog Downloads	258	128	104	72	87	Page 8
Subscription Downloads by VDOT	1,251	790	1,297	1,387	1,919	Page 9
ASTM DOT Web Portal	1,417	1,826				Page 9
Books 24X7 Items Accessed by VDOT	366	374	333	374	328	Page 9
Total VDOT Downloads/Items Accessed	3,292	3,118	1,734	1,833	2,334	
EOS Record Count - Volumes: Available Items in the Library Catalog	47,095	46,709	46,240	46,055	45,938	Page 6

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New Databases and Licensed Content

This quarter the library added two new eBook collections to subscriptions of existing databases. In both instances the eBook content is designed for on-screen reading in pdf format.

Engineering Management & Leadership: Added to VDOT's subscription to the database, *Knovel*, it includes 133 eBook titles in pdf format designed to address the needs of both new and experienced engineering leaders, as well as managers of teams of engineers, scientists and other technical staff. Licensing restricts use of these materials to devices on the VDOT network.

ASCE eBooks: Added to VDOT's subscription to the ASCE Research Library database, it includes full-text online access to more than 300 ASCE eBooks published in pdf format. These books have very light Digital Rights Management and can be downloaded to eBook readers, tablets, or portable storage media, including personal devices.

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Literature Searches Delivered in the Quarter

- *Linking Polychlorinated Biphenyls (PCBs) To Bridge Paints* (**Ed Wallingford**, Central Office Environmental Section Manager)
- *Employee Recognition: Literature Search and Review*--Provided by the Mn/DOT Library (**David Mark**, Central Office Performance and Strategic Planning Analyst)
- *Stray Current Corrosion and Bridges/Structures Adjacent to Light Rail Service* (**Stephen Sharp**, VCTIR Research Scientist)
- *Excessive Top-Layer Depth And/Or Insufficient Spacing Of Reinforcement Mats: Effects On Durability and Cracking In Bridge Deck Overlays* (**Soundar Balakumaran**, VCTIR Research Scientist)
- *Correlating P.E. Licensure and Other Professional Certifications With Workplace Performance* (**Mark Cacamis**, State Construction Engineer)
- *Research and Best Practices In Telework: 2013 Update of a 2007 Literature Review* (**Jill Guice**, Central Office Human Resources Manager)
- *Interferometric Synthetic Aperture Radar (InSAR) To Detect and Monitor Sinkholes, Landslides and Bridge Displacements* (**Ed Hoppe**, VCTIR Research Scientist)
- *Topical Analysis of Research Funded By The Alaska Department of Transportation: 2002-2012* (**Ed Hoppe**, VCTIR Research Scientist)

Collaboration With Minnesota DOT Library Saves Time and Speeds Implementation of Innovative Employee Recognition Program at VDOT

This quarter VDOT's Human Resources Department turned to the VDOT Research Library for support in exploring the topic of innovative practices in employee recognition, and to benchmark spending for such employee programs. HR asked the library to help review the professional literature on this topic, but they also wanted to poll other state DOTs to establish best practices and understand potential pitfalls. The library simultaneously initiated the literature search process and helped **David Mark**, Performance and Strategic Planning Analyst, compose a brief poll for distribution via the TRANLIB listserv.

This approach has worked well in the past and **Mr. Mark** received complete survey responses from over ten DOTs and some form of correspondence from another ten. What happened next was a surprise and saved staff the trouble of conducting a labor-intensive literature search.

The Minnesota DOT library staff was very responsive to the request to forward the poll on to their HR department. But they also revealed that just a few months earlier they had been asked by their HR department to conduct an identical literature search and topic synthesis. More importantly, they offered to share both their bibliography of recommended resources and a well-thought-out analysis of the topic from their state DOT's perspective.

That simple act of information sharing dramatically advanced VDOT's project and the Mn/DOT Library's willingness to share their work eliminated a great deal of duplicated effort VDOT's library staff would have engaged in. Instead, the library redirected staff resources toward a queue of other search requests other patrons were waiting for.

Emily Elliott, Director of VDOT's HR department and team leader of the effort, went on to say, "Your assistance not only provided the needed information and important lessons learned from Mn/DOT to accelerate VDOT's HR recognition program, but also an abundance of meaningful and useful information from your library's contacts and from the survey responses. I consider the research finished. You provided a wealth of information and I am very appreciative of the research that was completed. This will give us lots of data to consider for future benchmarking, creation and revamp of existing programs."

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Collections, Cataloging, and Technical Services

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EOS Catalog Record Count

Library Record Count Report as of:		
	Mar 31	Dec 31
Titles	34,125	33,807
Copies	44,275	43,908
Volumes (Items)	47,095	46,709

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

OCCL WorldCat Cataloging Statistics March 31, 2013

	FY13 Q3	FY13 Q2
Transactions*	2,353	2,874
Holdings Added to WorldCat Records	424	264
Total Titles as of March 31, 2013	33,736	33,630

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

Reference and Research Services

VDOT Reference and Research Questions

	FY13 QTR 3	FY13 QTR 2	FY13 QTR 1	FY12 QTR 4	FY12 QTR 3
VDOT Questions	89	35	75	121	100

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All Reference and Research Questions

Origin	Questions	VCTIR/CO/Districts	Questions
VDOT	89	VCTIR	40
		Central Office	29
Other (Non-affiliated)	32	Salem	3
		Lynchburg	3
		Richmond	2
		Fredericksburg	2
		Culpeper	1
		Staunton	4
Total Questions	121	NoVA	5

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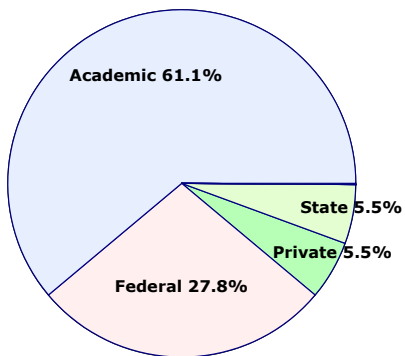
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Interlibrary Loans (ILL) and Document Delivery

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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 50 requests from 39 libraries in 22 states and 3 foreign countries (Australia, England, and Denmark). A total of 18 items were loaned and, of these, 3 items were sent to transportation libraries. Academic libraries were sent 11 items, federal libraries 5 items, and a state and a private library were sent 1 each. Of all loans, 13 were hard copy items and 5 were photocopy/digital fax (articles, chapters, excerpts).

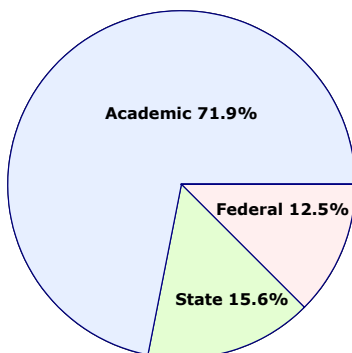
Academic	State	Private	Federal	Public	Total Items Lent
11	1	1	5	0	18

Document Deliveries

The library also provided 21 additional items this quarter to VDOT patrons through Document Delivery.

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VDOT as a Borrower from Other Libraries



The library requested and received 32 items and, of these, 5 came from transportation libraries. Items were borrowed from 22 libraries in 9 states and New Zealand. Academic libraries supplied 23 of the requests, federal libraries sent 4, and state libraries provided 5. Of all requests, 21 were filled as hard copy (books/reports) and 11 as photocopy/digital fax (articles, chapters, excerpts).

Academic	State	Private	Federal	Public	Total Items Borrowed
23	5	0	4	0	32

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Library Collection and Subscription Usage in the Quarter

Total Circulation from the Collection	465
Subscription Downloads	1,251
Items Accessed by VDOT	1,783
Library Usage in the Quarter	3,499

Collection Usage

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Collection Usage for the Quarter			
Location	Items	VCTIR/CO/Districts	Print Items
VDOT	156	VCTIR	71
U. Va.	26	Central Office	36
Other (In House/ILL)	25	Bristol	2
Hard-Copy Total	207	Lynchburg	1
Electronic (EOS) Catalog Downloads	258	Richmond	11
		Hampton Roads	4
		Fredericksburg	6
Total Circulation from the Collection	465	Staunton	20
		NoVA	5

EOS Downloads >6,200 URLs to full text documents	
Jan	55
Feb	105
Mar	98
Total	258

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 465.

VDOT Hard-Copy Usage

VDOT Checkouts/Renewals by Quarter				
FY13 QTR 3	FY13 QTR 2	FY13 QTR 1	FY12 QTR 4	FY12 QTR 3
156	163	235	234	149

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VDOT Research Library **Subscription Usage**

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Subscription Downloads by VDOT				
	January	February	March	Total
TRR Online >12,400 articles in pdf	128	97	53	278
NTRL >750,000 reports in pdf	5	9	2	16
ASCE > 92,000 articles or proceedings papers in pdf	80	60	95	235
KNOVEL >800 e-books in pdf	163	161	140	464
Business Source Complete pdf and html	49	36	70	155
Business Book Summaries > 1,700; pdf, html, MP3	1	24	76	101
Regional Business News pdf and html	0	0	0	0
Other Subscriptions (International Journal of Pavement Engineering, Highway Capacity Manual, Corrosion) pdf and html	1	0	1	2
Monthly Totals	427	387	437	1,251

Subscription Downloads by Quarter				
FY13 QTR 3	FY13 QTR 2	FY13 QTR 1	FY12 QTR 4	FY12 QTR 3
1,251	790	1,297	1,387	1,919

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 and ASTM DOT Web Portal.

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	ASTM
	> 31,800 e-books	> 9,000 standards papers, and reports
January	120	472
February	84	472
March	162	473
Total	366	1,417

Items Accessed by VDOT			
	Books 24X7	ASTM DOT Web Portal	Total
FY12 QTR 3	328		328
FY12 QTR 4	374		374
FY13 QTR 1	333		333
FY13 QTR 2	374	1,826	2,200
FY13 QTR 3	366	1417	1,783