



VDOT Research Library

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Library Overview

The amount of content in electronic collections continues to grow much faster than in print collections and use of VDOT Research Library materials is heavily skewed toward electronic content. Patron self-service access through full-text online databases continues to be very high. Full-text access through licensed databases almost tied the record set last quarter with more than 3,200 items downloaded or accessed for the second consecutive quarter.

The library initiated work on twelve literature searches this quarter, although patrons withdrew two of the requests when they determined the search was no longer needed. The quarter ended with three additional searches requested, which were carried over to the next quarter. The first Research Summary Brief in two years was produced and was under editorial review as the quarter ended.

Use of LinkedIn continues to be successful and the annual promotion via *InsideVDOT* as part of National Library Week included a poll, a feature article, and a promotional video.

National Library Week Promotion

The library worked with Central Office Communications to promote library collections and services as a part of National Library Week, which occurs each April. To avoid conflict with promotion for National Work Zone Awareness Week, also in April, the library promotion was delayed until May. At that time the library was featured in a poll on *InsideVDOT*, which got 703 votes, followed by a feature article, and a video on the library. In the future, there are plans to work with Communications to share information about the library every 2-3 months.



Library Video on InsideVDOT

The library created a brief overview video to promote its collections and services last year prior to the Research Summit. After the video was repurposed, Communications put it on the VDOT YouTube channel, and then created a link to it from the *InsideVDOT* splash page on May 24. It was viewed 453 times over six weeks before making way for the next VDOT video on *InsideVDOT* on July 9. The result is already being seen in the form of increased use of library collections and services by VDOT employees who may have been unaware of the library or the valuable services it offers.

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Library Statistics: By the Numbers

	FY2013 Q4	FY2013 Q3	FY 2013 Q2	FY 2013 Q1	FY 2012 Q4	More info on
Reference Questions Answered	110	121	58	97	121	Page 7
Questions Answered for VDOT	75	89	35	75	82	Page 7
Items Loaned through ILL	17	18	7	13	21	Page 8
Items Borrowed through ILL	46	32	41	98	43	Page 8
Document Deliveries to VDOT	37	21	23	103	35	Page 8
Total Hard-Copy Collection Usage	317	207	203	268	295	Page 9
VDOT Hard-Copy Collection Usage	270	156	163	235	234	Page 9
VDOT EOS Catalog Downloads	207	258	128	104	72	Page 9
Subscription Downloads by VDOT	1,477	1,251	790	1,297	1,387	Page 10
ASTM DOT Web Portal	1,256	1,417	1,826			Page 10
Books 24X7 Items Accessed by VDOT	313	366	374	333	374	Page 10
Total VDOT Downloads/Items Accessed	3,253	3,292	3,118	1,734	1,833	
EOS Record Count - Volumes:						
Available Items in the Library Catalog	47,426	47,095	46,709	46,240	46,055	Page 7

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VDOT Library Research Outreach Using *LinkedIn* Messages

The library continues to use LinkedIn to conduct direct—segmented—marketing to VDOT employees who establish connections to the library. The library has been using LinkedIn since 2011 and the list of employee connections is now at more than 330 people. The library tries to send out at least one LinkedIn message every 1-2 weeks, but only on topics relevant to patrons. Here are the subject lines of the six messages sent this quarter:

1. *VDOT First to Make ASCE eBooks Available!* (284)
2. *More Free eBooks! -- Engineering Management and Leadership* (286)
3. *Heads UP! New Address for ASTM Portal - <http://portal.astm.org>* (294)
4. *Do You Have a VDOT Library Card?* (322)
5. *WorldCat: 2 Billion Library Holdings and Growing!* (328)
6. *Our Job is to Help You Do Your Job...* (330)

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Literature Searches Delivered in the Quarter

- *Height Specifications for Silt Fences and Filter Barriers: Benchmarking Practices of State DOTs* (**Ed Hoppe**, Senior Research Scientist, VCTIR)
- *Peer-Reviewed Literature Search: Mechanical Properties for Cement-Treated Aggregate Bases* (**Sameer Shetty**, Associate Engineer, VCTIR)
- *Requiring Contractors Working On, Or Near Streams To Use Biodegradable Or 'Vegetable-Based' Hydraulic Fluids: A Literature Search* (**G. Michael Fitch**, Associate Principal Research Scientist, VCTIR)
- *Preliminary Literature Search: 'Quick Clearance' Policies and Best Practices for Inter-Agency Incident Management and Coordination* (**Lance E. Dougald**, Research Scientist, VCTIR)
- *Wet Accident Reduction Program Data Screening Practices: A Fast-Tracked Literature Review* (**Benjamin Cottrell, Jr.**, Associate Principal Research Scientist, VCTIR)
- *Western States Have Used Natina Steel To Help Guardrails 'Blend' With Surrounding Landscape* (**Stephen Sharp**, Research Scientist, VCTIR)
- *Stray Current Corrosion And Bridges/Structures Adjacent to Light Rail Service* (**Stephen Sharp**, Research Scientist, VCTIR)
- *The TTI Urban Mobility Report: 1986-2012* (Annotated bibliography)
- *Bibliometric Subject Analysis: Reports By The Virginia Center For Transportation Innovation & Research, 2007-2012*
- *Excessive Top-Layer Depth And/Or Insufficient Spacing Of Reinforcement Mats: Effects On Durability and Cracking In Bridge Deck Overlays* (**Soundar Balakumaran**, Research Scientists, VCTIR)

Library Negotiates Video Permission for Staunton District Engineer

Despite the range of activities in which modern libraries engage, they are still primarily known as "the place where they keep books." For the past three quarters, however, the VDOT Research Library has helped VDOT professionals negotiate permissions for using content that belonged to other organizations, all without charge to the agency and in a manner that is compliant with copyright law and follows the wishes of the copyright holder.

This quarter **Chaz Weaver**, District Materials Engineer in Staunton, got in touch with the library regarding an online video he found, which was produced by the construction firm Colas Solutions. His question: "Would it be possible to get permission to use this video for training/informational purposes? The animations are amazing!"

Weaver knew enough to realize he needed to ask permission, but he didn't have time to ask, and wasn't sure how to make the request. What he did not realize is that the format of the video was not compatible with his intended use.

The library not only secured permission from appropriate person, in this case the president of the parent company of Colas Solutions, Branscombe International, but also used special video software to reformat the video from Adobe Flash, to a Windows Media Player or .wmv, a format that will play on any VDOT computer for training purposes, could be stored on *InsideVDOT*, and could be downloaded to a thumb drive for presentations at public involvement meetings.

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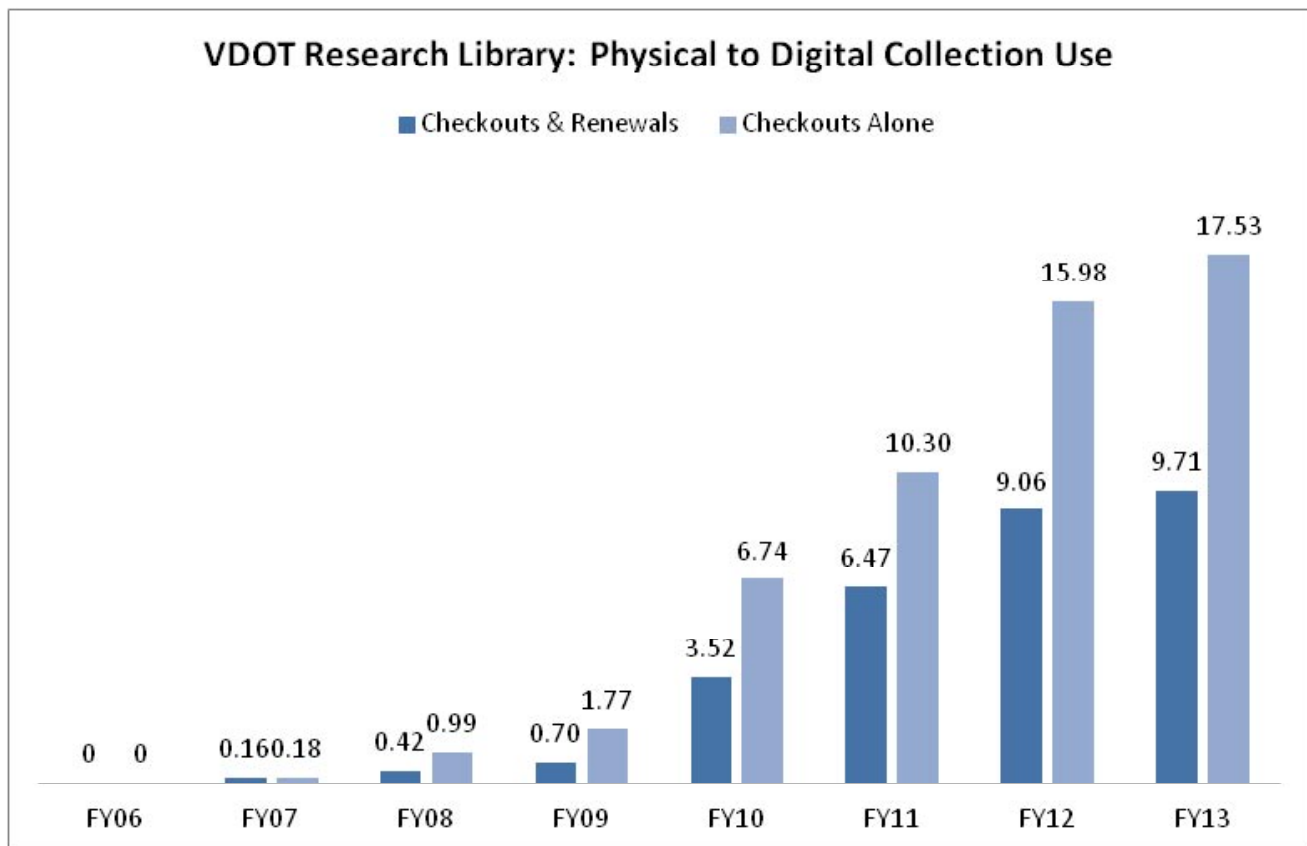
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Database Use in the VDOT Research Library

Patron self-service access to full-text documents through the library's subscription databases remains high, especially when compared to use of print resources. This quarter there were a total of 3,253 items of online content were accessed, while 317 physical items were checked out, renewed or used in-house at the library—about a 10:1 ratio. For all of FY13, metrics indicate that for physical items used in any way, including renewals, there was a 9.71:1 ratio. But, for checkouts alone, the best metric, because unlimited renewals are allowed and many patrons ask that everything they have checked out be renewed every 180 days, the ratio was 17.53 electronic items accessed for every 1 physical item checked out from the library.

The graph below shows how increased access to online resources has contributed to an increased ratio of their use, compared to physical collections, and how that has increased over the years. Other factors include the quantity of electronic collections, now at over 920,000 items, and the quality of items, including standards from ASTM and AASHTO, and key business journals and high-quality eBooks and electronic journals.

The steep increase in the electronic to print use is a noteworthy trend.





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Collections, Cataloging, and Technical Services

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EOS Catalog Record Count

Library Record Count Report as of:		
	June 30	Mar 31
Titles	34,489	34,125
Copies	44,589	44,275
Volumes (Items)	47,426	46,095

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

OCCL WorldCat Cataloging Statistics June 30, 2013

	FY13 Q4	FY13 Q3
Transactions*	1,668	2,353
Holdings Added to WorldCat Records	261	424
Total Titles as of June 30, 2013	34,440	33,736

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

Reference and Research Services

VDOT Reference and Research Questions

	FY13 QTR 4	FY13 QTR 3	FY13 QTR 2	FY13 QTR 1	FY12 QTR 4
VDOT Questions	75	89	35	75	82

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All Reference and Research Questions

Origin	Questions	VCTIR/CO/Districts	Questions
VDOT	75	VCTIR	34
		Central Office	25
Other (Non-affiliated)	35	Richmond	3
		Fredericksburg	3
		Culpeper	3
		Staunton	5
Total Questions	110	NoVA	2

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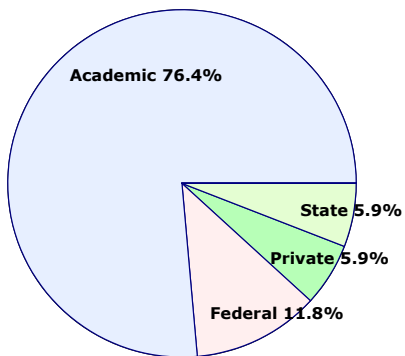
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Interlibrary Loans (ILL) and Document Delivery

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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 36 requests from 26 libraries in 17 states and Canada. A total of 17 items were loaned and, of these, 4 items were sent to transportation libraries. Academic libraries were sent 13 items, federal libraries 2 items, and a state and a private library were sent 1 each. Of these loans, all 17 were hard copy items and none were photocopy/digital fax (articles, chapters, excerpts).

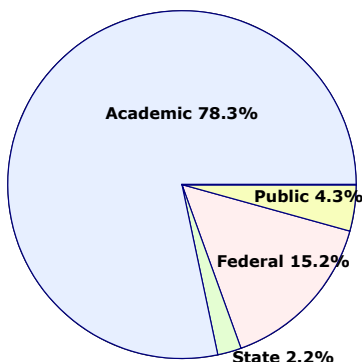
Academic	State	Private	Federal	Public	Total Items Lent
13	1	1	2	0	17

Document Deliveries

The library also provided 37 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 46 items and, of these, 2 came from transportation libraries. Items were borrowed from 29 libraries in 11 states and Canada. Academic libraries supplied 36 of the requests, federal libraries sent 7, public libraries 2, and a state library provided 1. Of the requests, 30 were filled as hard copy (books/reports) and 16 as photocopy/digital fax (articles, chapters, excerpts).

Academic	State	Private	Federal	Public	Total Items Borrowed
36	1	0	7	2	46

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Library Collection and Subscription Usage in the Quarter

Total Circulation from the Collection	524
Subscription Downloads	1,477
Items Accessed by VDOT	1,569
Library Usage in the Quarter	3,570

Collection Usage

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Collection Usage for the Quarter			
Location	Items	VCTIR/CO/Districts	Print Items
VDOT	270	VCTIR	99
U. Va.	27	Central Office	74
Other (In House/ILL)	20	Bristol	1
Hard-Copy Total	317	Salem	1
Electronic (EOS) Catalog Downloads	207	Hampton Roads	2
		Fredericksburg	45
		Culpeper	2
Total Circulation from the Collection	524	Staunton	21
		NoVA	25

EOS Downloads >6,200 URLs to full text documents	
Apr	59
May	24
June	124
Total	207

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 4	FY13 QTR 3	FY13 QTR 2	FY13 QTR 1	FY12 QTR 4
270	156	163	235	234

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VDOT Research Library Subscription Usage

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Subscription Downloads by VDOT				
	April	May	June	Total
TRR Online >14,300 articles in pdf	61	72	85	218
NTRL >750,000 reports in pdf	15	6	60	81
ASCE > 92,000 articles or proceedings papers in pdf	95	44	118	257
KNOVEL >1,100 e-books in pdf	174	207	255	636
Business Source Complete pdf and html	101	97	21	219
Business Book Summaries > 1,900; pdf, html, MP3	10	18	5	33
Regional Business News pdf and html	2	1	2	5
Other Subscriptions (International Journal of Pavement Engineering, Highway Capacity Manual, Corrosion) pdf and html	1	17	10	28
Monthly Totals	459	462	556	1,477

Subscription Downloads by Quarter				
FY13 QTR 4	FY13 QTR 3	FY13 QTR 2	FY13 QTR 1	FY12 QTR 4
1,477	1,251	790	1,297	1,387

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 > 33,200 e-books	ASTM > 9,000 standards papers, and reports
April	148	847
May	85	306
June	80	103
Total	313	1,256

Items Accessed by VDOT			
	Books 24X7	ASTM DOT Web Portal	Total
FY12 QTR 4	374		374
FY13 QTR 1	333		333
FY13 QTR 2	374	1,826	2,200
FY13 QTR 3	366	1,417	1,783
FY13 QTR 4	313	1,256	1,569