



A Cooperative Agreement Between The VDOT Research Library and The National Transportation Library

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What We Propose to Do...

Enter into a cooperative agreement (a limited license) with the National Transportation Library/RITA.

Archive copies of 2,000 VTRC reports digitized by the VDOT Research Library on NTL servers.

Reports will be added to the NTL digital archive for preservation, and links will be added to the TRIS Online database but those documents will continue to appear on VTRC and VDOT web sites.

License allows NTL to disseminate and preserve copies of the reports

Background Details

VDOT's Library Has Now Digitized All VTRC Reports

- 2,000 reports (200,000 pages) of high-quality pdf files created in-house over a 2-year period, optimized for fast Web download, assigned metadata to make searchable, and made accessible on VTRC's Web site.
- Ultimately will include all VTRC reports 1960-present, most of which were never available to the public before and difficult for even VDOT employees to find.
- Ensures VDOT employees, other researchers and Virginia citizens timely access to VTRC research.

Online Content Is Easily Lost

Systems Rely On URLs, But What If Files Move?

- In today's fast-paced business world files are moved, servers are renamed, URLs break, and all too often documents simply disappear due to accidents that could be avoided.
- To keep research accessible, scanning print copies is not enough. Digitized files must be stored in a secure long-term archive to ensure access and preservation.

“Off Site” Storage Is a Smart Move

LOCKSS: Lots Of Copies Keeps Stuff Safe

- LOCKSS is a model for libraries to easily and inexpensively collect and preserve digital copies intellectual content they own.
- Core Tenant: Digitize important documents and store them in secure locations.
- Redundancy is OK: Multiple access points increases use and decreases risks.

Why Should We Do This?

It Is Not Required, But It Is a Wise Thing to Do:

- This simple agreement can help ensure that research produced with taxpayer money is freely accessible online.
- More importantly, it expands access to VTRC reports for other researchers, which can accelerate research, discovery and innovation.
- There is no cost and low risk for VDOT.

Why Involve the CTB?

Required by the Code of Virginia § 33.1-12 (5)

- Because the agreement is between VDOT and a division of the U.S. Department of Transportation, it must be approved by the CTB before it can be executed.

Sample Access: VTRC and NTL Systems

Home > Reports > VTRC Reports

VTRC Reports

Show Publications For The Years: 1960-1969 1970-1979 1980-1989 1990-1999 2000-2009 2010+

Publications for the years: 2000 - 2009

Pub. No.	Title	Authors	Date
10-CR2	Grade 300 Prestressing Strand and the Effect of Vertical Casting Position	Roberts-Wollmann, Cain,Cousins, Thomas E.,Carroll, Christopher	2009
10-R1	Benefits of Using Geotextile Between Subgrade Soil and Base Course Aggregate in Low-Volume Roads in Virginia	M. Shabbir Hossain, Schmidt, Benjamin Neale	2009
10-CR1	Investigation of Enforcement Techniques and Technologies to Support High-Occupancy Vehicle and High-Occupancy Toll Operations	Smith, Bryan L.,Yook, Donghyung	2009
09-R24	Synthesis of benefits and costs of alternative lane marking strategies	Michael D. Fontaine, James S. Gillespie,	2009
09-R23	Evaluation of retroreflective material on stop sign posts in Virginia	Benjamin H. Cottrell, Jr., Lance E. Douglad,	2009
09-R22	Evaluation of lightweight high performance concrete in bulb-T beams and decks in two bridges on Route 33 in Virginia	H. Celik Ozyildirim,	2009
09-R21	Bond expectations for milled surfaces and typical tack coat materials used in Virginia	Kevin K. McGhee, Clark, Trenton M.	2009
09-R20	A functionally optimized hot-mix asphalt wearing course : part I : preliminary results	Kevin K. McGhee, Clark, Trenton M.,Hemp, Christopher C.	2009
09-R18	Development of truck equivalent single-axle load (ESAL) factors based on weigh-in-motion data for pavement design in Virginia	Brian K. Diefenderfer, Smith, Bryan C.	2009
09-R17	Evaluation of adding distance information to mainline specific service (logo) signs	Benjamin H. Cottrell, Jr., Edara, Praveen K.	2009
09-R16	Socioeconomic and travel demand forecasts for Virginia and potential policy responses : a report for VTrans2035 : Virginia's statewide multimodal transportation plan	John S. Miller,	2009
09-CR15	Anchorage zone design for pretensioned precast bulb-T bridge girders in Virginia	Michael C. Brown, Crispino, Eric Daniel, Cousins, Thomas E., Roberts-Wollmann, Cain L.	2009
09-R15	Crash causal factors and countermeasures for high-risk locations on multilane primary highways in Virginia	Nicholas J. Garber, Young-Jun Kweon, Buchanan, Chase R.	2009
09-CR14	Field testing of the Wolf Creek curved girder bridge : part II : strain measurements	Miller, Jacqueline E., Baber, Thomas Thaxton, Gomez, Jose P.	2009

National Transportation Library - Search Result

Sorted by Year | Database | Relevance

Record: Previous | Next Record: 1 Jump To Show Detail | Return to Search Results | Printable View

Mark All Records Clear Marks View Marked Records

Title	Geographical Coverage	Virginia
Record ID	OCLC	42402900
Personal Creator	TRIS Online Accession No	00789837
Corporate Contributor	Report Number	VTRC 00-TAR1; UPC 00051344-6940
Publisher	Resource type	Tech Report
Publication Abstract	URL	http://www.virginiadot.org/vtrc/main/online_reports/pdf/00-tar1.pdf
General Subject	Alternative URL	http://ntl.bts.gov/lib/30000/30700/30732/00-TAR1.pdf
Classification	Format	PDF
Geographical Coverage	Language:	English
OCLC	Database	Other Transportation Web Sites
TRIS Online Accession No	Report Number	VTRC 00-TAR1; UPC 00051344-6940
Resource type	Resource type	Tech Report
URL	URL	http://www.virginiadot.org/vtrc/main/online_reports/pdf/00-tar1.pdf
Alternative URL	Alternative URL	http://ntl.bts.gov/lib/30000/30700/30732/00-TAR1.pdf
Format	Format	PDF
Language:	Language:	English
Database	Database	Other Transportation Web Sites



Same document, two server locations...

Primary link: VTRC site, NTL archives a "backup"

Result, If Approved

The Agreement Takes Effect When Signed

- Commissioner Ekern and a representative from NTL/RITA can execute the agreement by signing it.
- The VDOT Library will immediately forward the digital files to the NTL, which will begin uploading them to their servers and adding “new” URLs to TRIS Online records.

Is There a Down Side?

Risks are Low and Potential Rewards Are High

- Public access to taxpayer-funded research.
- Monetary cost to VDOT is zero.
- No Legal risk to VDOT.
- Timing favors open access/transparency.
- **This could become a national model for all state DOT research reports.**

This is Not a New Idea

“...let us save what remains: not by vaults and locks which fence them from the public eye and use in consigning them to the waste of time, but by such a multiplication of copies, as shall place them beyond the reach of accident.”

-Thomas Jefferson, February 18, 1791