

Virginia Section Newsletter

Volume 43, Issue 3

July 2008

President's Report by Don Rissmeyer

As the summer months are upon us, I want to thank all of the ASCE members in Virginia who have volunteered their time to help us plan and implement another year of successful events. Many of the names are noted on our website, www.ascevirginia.org, and some will also be recognized for their contributions at our upcoming annual meeting in September.

One area in which we need more volunteers this coming year will be forming a new committee to develop an infrastructure report card for Virginia. Some work has already been done successfully in Hampton Roads on a transportation report card, and we want to carry that success to evaluating our infrastructure statewide. If successful, our report card will then be carried to the state legislature in Richmond

continued on page 3

Electronic Newsletter

The ASCE VA section newsletter is now electronic. Update your membership information online at www.asce.org/myprofile so that you will continue to receive the newsletter. We use the ASCE National database to maintain the newsletter database. We also post the newsletters on the VA Section website. Many members either do not have e-mail addresses in the database or the newsletter e-mail was seen as spam. Due to corporate spam blocking, changing to your home e-mail address may allow the member more control of spam settings. *Announcements should be sent to the newsletter editor, Debra Brand, debrab@jlab.org. Electronic files are preferred.* ❖

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Virginia Section Annual Meeting & Installation of Officers

The Virginia Section annual awards dinner meeting and installation of officers for 2008-2009 is scheduled for Wednesday, September 17 in Williamsburg, VA. The annual dinner meeting is being held in conjunction with the Virginia Engineers Conference (VEC). Additional information will follow. ❖



Board Elections - ASCE/VA Section

Please complete the ballot and FAX/mail to Nancy Israel by August 15, 2008. Make your voice heard!

Ballot can be found on the ASCE VA Section website at <http://www.ascevirginia.org/default.aspx>

Ballots may be faxed to 804.673.0876 or mailed to:

c/o ASCE Elections
5206 Markel Road, Suite 300
Richmond, VA 23230



Life Members

Calling all Life Members. ASCE VA Section will be working with ASCE National to see how we can serve all of our members. We are looking for your thoughts and ideas about possible section or branch activities; how to involve our Life Members, etc. If you are interested in being involved, please contact Debra Brand @ debrab@jlab.org.

Section Structural Committee

ASCE VA Section is trying to determine if there is a desire to re-vitalize our structural committee. If you are interested, then please contact Don Rissmeyer at drissmeyer@amtengineering.com



Virginia Section Meeting

The Virginia Section quarterly board meeting is scheduled for Thursday, September, 18 from 8 am – 1 pm at the Williamsburg Marriott Hotel. More details will follow shortly on the ASCE Section website. ❖

during the upcoming session, and presented as a basis for their annual debate on infrastructure funding and needs. ASCE has successfully done this at the national level for years, and we are now trying to find support for this locally. Please contact us if you can help in some capacity on this challenge that lies ahead.

Hopefully all our members have found a reason to become involved in the past year, and to remain involved in the coming months. The opportunities to get involved with ASCE/Virginia are more than ever, so enjoy the summer and we'll see you again soon!



Topic - VDOT's Structure and Bridge Program

Virginia Section 2008 Civil VA Section Engineering Scholarship

Mark Miller, VMI, is the winner of the Virginia Section 2008 Civil Engineering Scholarship in the amount of \$2,000. He is from Forest, Virginia where he graduated from Jefferson Forest High School. Mr. Miller won out of five truly excellent candidates; the others were 2 from UVA and 2 from VT. Along with being an excellent student academically, Mr. Miller is in the U.S. Marine Corps Reserves and served in Iraq during his sophomore year. He is an Eagle Scout and has led community service projects. After completing his BSCE in May 2009 he plans to pursue a MS degree in Environmental Engineering. Mr. Miller's VMI academic reference stated that Mark is the top student in his class, is a great student, works very hard, is well respected. He can think of no other student in their department better suited for this scholarship. After reviewing all the scholarship applications, the Scholarship Committee agrees that no other student is better suited to win the award. ASCE is fortunate to have a young person like Mr. Mark Miller joining the Civil Engineering profession. ❖

Richmond Branch News

Jefferson Hotel meeting with ASCE National President David Mongan, P.E. F. ASCE was a success

ASCE National President David Mongan, P.E. F. ASCE spoke at the Richmond Branch meeting at the Jefferson Hotel on May 21st. Mr. Mongan spoke about the changing face of the civil engineering profession, career development for civil engineers and how civil engineers are currently engaged in a world market. Mr. Mongan also spoke of Engineers Without Borders and ASCE's partnership with the organization.

The Richmond Branch recognized Duncan Stewart for his involvement as the first Younger Member chair for the Branch. Duncan's company, MBP was also recognized by ASCE National for their support of YM programs in the markets they serve. Lee Ann Gudorp is our new YM chair.

The Richmond Branch is grateful to those who helped pull this dinner together including Roger Failmezger, Stacey Ruby, Lee Ann Gudorp, Amanda Harmon, Carlyle Glean, David Tillar, Don Rissmeyer and Bryan Stevenson. The Branch would also like to thank all of the representatives from other Branches and Section Committees who traveled to the event.

Local Branch Events

To stay current on local branch and section events and activities, please visit the local ASCE website <http://www.ascevirginia.org/default.aspx>

Virginia Engineers Conference 2008

The 2008 Virginia Engineers Conference is scheduled for September 17-18, 2008 at the **Williamsburg Marriott Hotel, 50 Kingsmill Road, Williamsburg, VA** (New Location for 2008).

The ASCE Virginia Section is providing a one day technical track on Wednesday, September 17 with the following topics:

8:00-9:30 am

Speakers

Mike Crist, Moffatt & Nichol
Jeff Florin, P.E., Va Port Authority
Aaron Zdinak, P.E. S&ME
Tom McNeilan, P.E. Fugro Atlantic

Topic - *Craney Island Update*

- Eastward Expansion Overview
- Geotechnical Exploration Program and Site Characteristics
- Main Dike Construction Alternatives Analysis

10:00-11:30 am

Speaker - Scott Kundlas, VA DEQ

Topic - *Virginia's Water Supply Planning Process*

1:30-3:00 pm

Speakers - Kendall Walus, P.E. & Anwar Ahmad, P.E. - VDOT

Topic - *VDOT's Structure & Bridge Program*

3:30-5:00 pm

Speaker - Kevin Parker, HRSD

Topic - *Hampton Roads Sanitation District Water Reuse Efforts*

Following the technical session, ASCE/V will host a cocktail hour followed by a banquet for the installation of new officers. Details and the banquet agenda will be forwarded via separate communication.

Registration for the conference and additional information on the planned events are provided on the conference website at

www.virginiaengineersconference.org.

Jay Allen, President-Elect, is coordinating the conference on behalf of ASCE. You may reach him at jallen4@ch2m.com or 757-873-1511. **Please provide your ASCE member number, to show your support for ASCE when registering for the VEC.** ❖

Virginia Engineers Conference 2008 Partner Sponsorships!

Partner Sponsorships for the VEC are currently still available. *Showcase your services and products, and demonstrate your company's commitment and support of the industry through Sponsorship.* Gain statewide exposure for as little as \$100 with the new sponsorship opportunities. Partner sponsorships are available starting with Conference Web Site Advertisement for \$100 to Track and Conference Break Sponsors to Lunch Sponsors and Conference Registration Gift and Bag Sponsor for \$2,000.

For additional information, please see the following URL link:

<http://www.virginiaengineersconference.org/> ❖

Virginia Engineers Conference 2008 Firm Sponsorships!

Support the VEC and ASCE/Virginia through a firm Sponsorship. Firm may chose from three levels of sponsorships.

- ◆ \$250.00 Bronze Sponsor
- ◆ \$500.00 Silver Sponsor
- ◆ \$750.00 Gold Sponsor

Sponsors will be listed on sponsor boards, conference brochure and web page. **Please send contributions to:**

VA Engineers Conference
Attn: Leigh Dicks
VSPE Executive Director
3420 Pump Road #240
Richmond, VA 23233
Phone: (804) 364-0505
FAX: (804) 364-0606
Email: LeighDicks@VSPE.org

For additional information, please see the following URL link:

<http://www.virginiaengineersconference.org/> ❖

Bull Run Branch – Committee

The Bull Run branch has been an inactive branch the last several years. The Section is trying to see how we can resurrect this branch. In lieu of just looking for officers, we would like to form a committee to help get the branch active again. Debra Brand, debrab@jlab.org will be contacting past officers of the branch to form this committee. If anyone is interested in chairing this committee for the Bull Run Branch, please contact Debra Brand. ❖

Lynchburg Branch News

Lynchburg Branch has begun lunchtime technical presentations for members. The purpose is twofold: (1) to enhance attendance at meetings and participation in Branch activities, and (2) to enable members to begin accumulating PDHs for license renewal. The Virginia Dept. of Conservation and Recreation made a stormwater management program presentation in May. In early July, members gathered for the ASCE webinar "*From Project Engineer to Project Manager - Look Before You Leap*". Sessions are being planned for late July and late August. DCR is tentatively scheduled to return in September to describe the changes in the dam safety regulations expected to be signed by the governor in August. ❖

ASCE Council of Younger Member Employer Recognition Award

Congratulations to the recipients of the 2007 ASCE CYM Employer Recognition Award for exemplary support of young engineer involvement in ASCE activities:

2007 Employer Recognition Award

McDonough Bolyard Peck Inc.
Williamsburg, VA



ASCE National The Report Card is Coming Are You Ready?

As ASCE prepares to compile the *2009 Report Card for America's Infrastructure*, Key Contacts will play an important role in our efforts. Make sure you, your fellow leaders and your members are in the loop!

Step 1: *Join the Key Contact Program.* Key Contacts are the first to hear about public policy developments affecting civil engineering. There is no extra charge for ASCE members. Visit <http://www.asce.org/keycontacts>

Step 2: *Join the conversation* on the *Our Failing Infrastructure* blog. Visit <http://www.asce.org/govrel> and click on the link at the top of the page.

Step 3: *Take it to another level* and join the "Save America's Infrastructure" group on Facebook at <http://www.facebook.com/group.php?gid=10325597594> (you need to be a member of Facebook, but don't worry, it's free to join!)

An important note: Steps 2 and 3 begin to reach out to the general public beyond just civil engineers, so let your friends and neighbors know. This is an important part of the overall effort to raise public awareness of this problem.

Questions? Comments? Let us know at govwash@asce.org or call ASCE's Washington Office at 202-789-7850.

Interested parties should contact Tom Fitzgerald, tfitzgerald@wileywilson.com or (434) 455-3209 to obtain more information and sign on to help with this important project which will be of benefit to all Virginians. Additional information on the previous Report Cards for Virginia is found later in the newsletter ❖

VIRGINIA HIGHWAY MARKER HONORS CIVIL ENGINEER

Imagine if some of the United States most historical artifacts had never been discovered –we wouldn't have the wealth of knowledge about the beginnings of its rich heritage. At Jamestown, VA, one of the most historical birthplaces of the USA, we have a man by the name of Samuel H. Yonge to thank for the many continued discoveries in the area.



The highway marker, through a SPAG grant, shown above is located beside Pocahontas' marker on Jamestown Road, within site of the Jamestown Settlement Museum.

ASCE Members Shown: Far Left –Shawn Maslaney, Immediate Left and Right of Marker – Jack Wall and ASCE Norfolk President, Barry Forbes respectively.

On a picturesque spring morning, May 14, at the historic Jamestown Island, the ASCE Norfolk Branch, in conjunction with the Virginia Department of Historical Resources and the Association for the Preservation of Virginia Antiquities (APVA), gathered together with other members of the community to honor and reflect upon Samuel H. Yonge's achievements, with the unveiling of a Highway Marker.



*Samuel H. Yonge
1843-1935*

Yonge, a member of the APVA, hired by The Army Corps of Engineers in the year of 1900, spearheaded the design and construction of a concrete seawall/revetment that halted the rapid erosion and loss (over 20 acres had been lost before construction) into the James River of the most-historic part of Jamestown Island-the fortress. His seawall, which replaced a wall constructed prior to 1900 due to its failure in one year of construction, still performs its function to this day!

The idea of a highway marker was first sparked through an article by George Tucker, a writer for the local newspaper, *The Virginian Pilot*. In his article, he calls on the spirited public to consider a monument for a notable, but overlooked amongst the well-known players of Jamestown's settlement, Samuel H. Yonge. Jack Wall, the Norfolk Branch's Educational Outreach Chairman, took on the calling by submitting the idea of a highway marker in hopes of obtaining a 2006 SPAG

grant. To the delight of the branch, it was approved, with the intention of being installed by the 400th anniversary of Jamestown. The Norfolk Branch felt this was a great opportunity to not only honor a Civil Engineer, but educate the public on the significant impact the profession can have on society.

Some other noteworthy career accomplishments and endeavors of S. Yonge included:

- Dredging of the James River from Norfolk to Richmond.
- Engineer for the

- Government on Construction of the Brooklyn Bridge and the Niagra Falls Suspension Bridge.
- Noted Archeologist.
- Aided in locating, excavating, and mapping the foundations of the country house the Ludwell house, and the third and fourth statehouses at Jamestown.
- Authored: "The Site of Old "James Towne," 1607-1698



A current photo of the seawall at Jamestown Island. ...to voice the opinions of countless Virginia History buffs, if it hadn't been for Yonge's sturdy stone and concrete bulward, that has withstood the erosive waters of the James for a century, there would be no reason to visit Jamestown at all.

~George Tucker, The Virginian-Pilot, August 11, 2002

Nominees Requested for ASCE Virginia Section Service Award

Nominations are now requested for the Virginia Section Outstanding Civil Engineer Award.

This award recognizes long and dedicated service to the Virginia Section and/or one or more of the Branches of the Virginia Section. Service to the Section includes contributions to the activities, functioning, and the handling of matters of concern and/or interest to the Virginia Section. The recipient shall be a member of the Virginia section and have been actively involved in Section and/or Branch activities for a minimum of seven years. Section or Branch activity may consist of service as an officer, committee chairman, committee member, or by providing enthusiastic support as exemplified by a willingness to take on assignments in support of the Section and Branches, by regular attendance at Branch and/or Section functions, or any combination of these factors.

Nominations for this award from the Branches of the Virginia Section or the Virginia Section Board are due by **September 1, 2008**, (see guidelines for submitting nominations below). The Awards and Prizes Committee will review all nominations and recommend an award winner for Virginia Section Board approval. The award winner will be recognized at the Virginia Section Banquet to be held at this year's VEC Conference.

Submission Guidelines

After a nominee has been selected by a Branch or by the Section, the President of the Branch or Section will develop and supply, or select a qualified member to develop and supply a brief summary of the nominee's contributions to the Virginia Section.

At a minimum, the summary shall consist of:

1. The various offices held in the Branch and/or Section and the number of years served in each.
2. The various committee assignments undertaken and the number of years served in each.
3. Other specific services, if any.
4. Total years of service.
5. General evaluation of the nominees' attendance, and support of Branch and/or Section activities and other interests.
- 6.

Signed: _____

Branch/Section: _____

All nominations shall be submitted by **Monday, September 1, 2008** to the following:

Tom Fitzgerald, P.E.
Virginia Section 1st Vice President
Wiley & Wilson, Inc.
2310 Langhorne Road
Lynchburg, VA 25401-1547
Email: tfitzgerald@wileywilson.com
Phone: (434) 455-3209 – if any questions ❖

Nominees Requested for ASCE Virginia Section Outstanding Civil Engineer Award

Nominations are now requested for the Virginia Section Outstanding Civil Engineer Award.

This award recognizes outstanding achievement in the practice of civil engineering by members of the Virginia Section ASCE and residing within the geographical limits of the Virginia Section.

Nominations for this award from the Branches of the Virginia Section or the Virginia Section Board are due by **September 1, 2008**, (see guidelines for submitting nominations below). The Awards and Prizes Committee will review all nominations and recommend an award winner for Virginia Section Board approval. The award winner will be recognized at the Virginia Section Banquet to be held at this year's VEC Conference.

Submission Guidelines

After a nominee has been selected by a Branch or by the Section, the President of the Branch or Section will develop and supply, or select a qualified member to develop and supply, the following information:

(a) General Information

1. Nominee's name and address
2. Year of birth
3. Engineering or other degrees, schools and year
4. Nominee's business – position – address
5. Professional activities
6. Recognition by local, state, and national organizations
7. Character
8. Civic and church affiliations

(b) Achievements:

1. The nominee's professional career achievements can be in any civil engineering category such as Construction, Design, Management, Education, Research, Environmental, Materials, etc.
2. Submit details of the highlights of a long and distinguished career and/or the details of a major contribution to a specific project, innovation, etc. or describe other types of meritorious achievement.
3. State why the achievements are considered outstanding. (Monetary savings, unique and innovative design or solutions to problems, and contributions to the public safety and welfare, for example, might be some of the factors involved).
4. List the names and addresses of persons intimately familiar with the nominee's civil engineering achievement(s).
5. Submit any supporting data available such as newspaper articles, project photos, etc. that can be used to evaluate the importance or value of the nominee's achievement(s).

Signed: _____ Branch/Section: _____

All nominations shall be submitted by **Monday, September 1, 2008** to the following:

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2310 Langhorne Road
Lynchburg, VA 25401-1547
Email: tfitzgerald@wileywilson.com
Phone: (434) 455-3209 – if any questions ❖

Daniel V Terrell Award/Daniel W. Mead for Younger Members Winner

The ASCE Virginia Section would like to recognize Matthew Swenty from Virginia Tech for being the winner of the Region 4 **DANIEL V. TERRELL AWARD**. The topic for 2007 was “Is it ethical for an engineer to participate in a project they consider to be poor public policy / not in the public’s best interest?”. His paper was entitled “Engineering Judgment and Public Policy: A Foundation of Public Trust”. Mr. Swenty presented his paper in Baltimore at the Region 4 Board of Directors Meeting in January 2008, and subsequently became the first winner from the Virginia Section of this award.

Mr. Swenty was encouraged to take his award to the national competition, and it was announced in June 2008 as this year’s recipient of the ASCE National **2008 DANIEL W. MEAD PRIZE FOR YOUNGER MEMBERS**. In a letter from our ASCE Executive Director, Pat Natale, Matt was lauded for the thoroughness of presentation and he was asked to personally accept the award at the Younger Member Leadership Symposium in Pittsburgh on November 6, 2008.

View his paper at:

http://www.asce.org/files/pdf/pressroom/meadstudents_yngrmem07paper.pdf

Next year’s paper competition is underway. See the newsletter for this year’s completion information. ❖

Virginia Middle School Engineering Essay Contest Winners Announced

Virginia middle school students were encouraged to enter the “It’s Your World Next” essay competition which called for creative solutions to solve global issues such as energy usage, water conservation, recycling, and solid waste reduction. Cash prizes were awarded to 1st, 2nd and 3rd place students. In addition, the teachers of 1st place winners received \$250 toward funding classroom activities and supplies.

This year’s winners were Andrew Leich and Matt Clementi from Short Pump Middle (Richmond), Brennen Kunka from Powhatan Junior High (Powhatan), George Wang from Belmont Ridge Middle (Leesburg), Matthew Nabers from Shelburne Middle (Staunton), and Sarah Stites (Reston), Elizabeth Shelton (Fairfax), both home-schooled.

This is the second consecutive year the ACEC *Virginia* has held the middle school essay contest. “We’re excited that the amount of entries grew to 170 this year—and we hope that trend continues into next year’s contest” says Nancy Israel, Executive Director of ACEC *Virginia*. “Our goal is two-fold: first, to involve young members of our community, giving them a voice to discuss the world’s problems and second, to support the growth of future Virginia engineers.”

Read the winning essays online at www.acecva.org. For more information about next year’s contest, please contact Nancy Israel at nisrael@acecva.org or (804) 673-0868. ❖

*Old Dominion University
Civil & Environmental Engineering
Visiting Council*

*12th Annual
James A. Rives, Sr.
Memorial Golf Tournament
(Scholarship Fund Raiser Event)
Friday, August 8th, 2008
Sleepy Hole Golf Course
Suffolk, Virginia*

PRIZES:
1st PLACE TEAM
2nd PLACE TEAM
2 - CLOSEST TO THE PIN
2 - LONGEST DRIVE
(Prizes will be flighted
based on number of
entries)

4 – MAN Captain’s Choice,
8:00 A.M. Shotgun Start,
(check-in at 7:00 a.m.)
PICNIC FOLLOWING

**LIMITED TO FIRST 120 ENTRIES
RESPOND BY FRIDAY, JULY 25, 2008
\$100.00/Player - Hole Sponsor - \$100.00**

**Major Sponsorships are available – Call Dave Plum
INCLUDES: GREEN FEES & CART, RANGE BALLS, PRIZES, BEER, PICNIC**

	<i>Amt. Pd.</i>
NAME: _____ PHONE NO. _____	_____
NAME: _____ PHONE NO. _____	_____
NAME: _____ PHONE NO. _____	_____
NAME: _____ PHONE NO. _____	_____

Sponsorship Name: _____ Amount: _____ Total _____

**MAKE CHECKS PAYABLE TO: CEEVC
Mail To: David W. Plum - URS Corporation
277 Bendix Road, Suite 500
Virginia Beach, Virginia 23452
757-499-4224**

Register online: <http://ceevcgolf.eventbrite.com/>

**ATTENTION
YOUNGER MEMBERS**



Region 4 Assembly
(Arkansas, Indiana, Kentucky, North Carolina, South Carolina, Tennessee, Virginia and West Virginia Sections)

**AMERICAN SOCIETY
OF
CIVIL ENGINEERS**



RULES

Governing the
**Daniel V. Terrell
Competition**

for

2009

THE DANIEL V. TERRELL AWARD

The Region 4 Assembly of the American Society of Civil Engineers is proud to conduct the Daniel V. Terrell Competition for Younger Members. This prestigious competition has been held for over 50 years and commemorates Dean Terrell's many years of work and service to the Society and especially of his leadership in the establishment of the District Council System, the predecessor of the Region 4 Assembly.

All members, associate members or affiliates of ASCE 35 years of age or less on February 1, 2009, residing in Region 4, are eligible to submit papers in this competition. The following rules are to be observed:

- A. The Daniel W. Mead and Daniel V. Terrell competition have the same topic: **Is it ethical for a Civil Engineer to relax design standards to achieve a sustainable design?** These are two separate competitions but the same paper can be submitted to both.
- B. No individual may submit more than one paper in any one annual Terrell competition. Please put your member ID number and your name on the paper.
- C. The paper shall be of such length that it can be presented orally in not more than fifteen minutes and contain not more than 2000 words.
- D. Submit one CD with a scan of of the paper with a cover letter to your Section President by August 31, 2008. Each section is limited to two entries. Entrants may, if they choose, alter their paper, based on comments received at the Region 4 meeting prior to submittal to ASCE Awards Department for the Mead Competition.
- E. The paper must be presented orally, by the author, before the Region 4 Assembly at its September 19, 2008 meeting to be held in Nashville, Tennessee.

The award will consist of a bronze plaque (shown above on right) mounted on a wooden shield.



BASIS OF JUDGING

PRESENTATION OF PAPER 0 - 35%

- 1. Delivery and Effectiveness - 20%
- 2. Choice of Words, Literary Style Pronunciation and Enunciation - 10%
- 3. Timing - 5%

CONTENT OF PAPER 0 - 65%

- 1. Material - 40%
- 2. Acquaintance with subject - Scope - 10%
- 3. Originality – Independence - 10%
- 4. Arrangement - 5%

Note: The Society's Daniel W. Mead Contest is a separate competition. Each section may submit one Mead paper to the Society. An electronic version of the Mead paper must be submitted by the Section Secretary by February 1, 2009.

Send Mead papers to:
ASCE Awards Department,
1801 Alexander Bell Dr. Reston, VA 20191

Please include name, email address and ASCE membership number.

ASCE Membership Profile

Update your membership information online at www.asce.org/myprofile. The ASCE VA section newsletter is electronic. MY PROFILE provides you total customization and personalization of your ASCE membership online. ❖

ASCE Membership Guidelines

If your career has advanced since you first joined ASCE, you're probably eligible for advancement to another membership grade. Many of the Virginia Section members are Associate Members even though eligible for full Member Status. There are no additional dues to upgrade to the Member grade if it is 5 years past your baccalaureate graduation. Once you have received your PE license (or at least five years responsible charge experience), you are eligible to upgrade your membership to Member Grade. Fax a copy of your P.E. license or current resume to Member applications at (703) 295-6333. Once advancement is approved/completed, you will receive a membership certificate for your new grade. .

If You Want To . . .	Here's How
Renew your membership	Go to www.asce.org/renewal or call 800-548-2723 or 703-295-6300.
Advance your membership grade and gain the professional recognition you've earned: <ul style="list-style-type: none"> • Recent Graduate/Engineer-in-Training = Affiliate Member and Associate Member • 5+ Years with PE = Member • 10+ Years with PE = Member Grade = Eminence = Fellow 	Go to www.asce.org/advancement or call 800-548-2723 or 703-295-6300.
Update your contact information, business title and technical interest area	Go to www.asce.org/myprofile or call 800-548-2723 or 703-295-6300.

<i>Membership Grade</i>	<i>Dues</i>
<i>Students/Associate Member Recent Recipients of a Baccalaureate degree</i>	<i>free</i>
<i>Associate Member – Recent Recipients of Baccalaureate degree and 1st Year After Baccalaureate</i>	<i>\$50</i>
<i>Associate Member – 2nd Year After Baccalaureate Graduation</i>	<i>\$80</i>
<i>Associate Member – 3rd Year After Baccalaureate Graduation</i>	<i>\$115</i>
<i>Associate Member – 4th Year After Baccalaureate Graduation</i>	<i>\$155</i>
<i>Associate Member – 5th Year After Baccalaureate Graduation and thereafter</i>	<i>\$205</i>
Members	\$205
<i>Fellow</i>	<i>\$240</i>

ASCE National – Virginia Infrastructure Report Card for 2005

Roads



- 29% of Virginia's major urban roads are congested.
- 26% of Virginia's major roads are in poor or mediocre condition.
- Vehicle travel on Virginia's highways increased 28% from 1990 to 2003. Virginia's population grew 19% between 1990 and 2003.
- Driving on roads in need of repair costs Virginia motorists \$1.2 billion a year in extra vehicle repairs and operating costs --- \$248 per motorist
- Congestion in the Richmond area costs commuters \$272 per person per year in excess fuel and lost time.
- Congestion in the Virginia Beach area costs commuters \$501 per person per year in excess fuel and lost time.
- Congestion in the Washington, DC metropolitan area costs commuters \$1,212 per person per year in excess fuel and lost time.

Bridges



- 26% of Virginia's bridges are structurally deficient or functionally obsolete.

Dam



- There are 74 state-determined deficient dams in Virginia.
- Virginia has 126 high hazard dams. A high hazard dam is defined as a dam whose failure would cause a loss of life and significant property damage.
- The rehabilitation cost for Virginia's most critical dams is estimated at \$147.2 million.

Drinking Water



- Virginia's drinking water infrastructure need is \$2.05 billion over the next 20 years.

Wastewater



- Virginia has \$3.52 billion in wastewater infrastructure needs.

Solid Waste



- Virginia generates 1.49 tons of solid waste per capita.
- Virginia recycles 29.1% of the state's solid waste.

Schools



- 60% of Virginia's schools have at least one inadequate building feature.
- 58% of Virginia's schools have at least one unsatisfactory environmental condition.

ASCE VA Section Report Card

The U.S. Congress is a key part of the solution. The American Society of Civil Engineers has identified **11 legislative actions** that the 110th Congress can take to raise the grades for America's infrastructure.

110TH CONGRESS INFRASTRUCTURE SCORECARD

ACTION STEP	HOUSE	SENATE	ENACTED
National Infrastructure Commission			
National Infrastructure Improvement Act	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Aviation			
FAA Reauthorization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bridges, Roads and Transit			
SAFETEA-LU Guarantees for FY 2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Brownfields			
Brownfields Revitalization Act	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dams and Levees			
Dam Rehabilitation & Repair Act (H.R. 1098)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dam Safety Act—Full Funding for FY 2008	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small Watershed Dam Rehabilitation Funding FY2008	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Levee Safety Program Act	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Drinking Water and Wastewater			
Water Quality Financing Act (H.R. 720)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safe Drinking Water Act Reauthorization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inland Waterways			
Water Resources Development Act (WRDA)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Following the Minnesota Bridge collapse, the nation's infrastructure has become a very important issue. ASCE National's 2005 Report Card for America's Infrastructure indicated that between 2000 and 2003, the percentage of the nation's 590,750 bridges rated structurally deficient or functionally obsolete decreased slightly from 28.5% to 27.1%. However, it will cost \$9.4 billion a year for 20 years to eliminate all bridge deficiencies.

Not only are we faced with catastrophic infrastructure failure, long commutes, dirty water, delayed flights, bumpy roads and failing dams are a continuous feature in our lives. With each passing day the threat of aging, overburdened and decaying infrastructure increases the threat to Virginian's quality of life and economic well being. To thrive we must not only maintain but improve our state's infrastructure.

Following the national example and building on Hampton Roads Branch work, the VA Section is soliciting volunteers to lead the 2008 Infrastructure Report Card on Virginia's Infrastructure.

We are planning our report card to cover the following systems:

AIRPORTS	BRIDGES	DAMS
DRINKING WATER	WASTEWATER	RAIL
ROADS	STORMWATER	SCHOOLS

The following organizations provided committee members for North Carolina's report card so hopefully those of you in like Virginia offices or professional positions will support our effort develop Virginia's assessment:

We need standing committees for each of the nine areas of infrastructure to be rated and given the scope of this effort it would be best to have at least three people spearheading each committee so we need a minimum of 27 volunteers from around the state to launch this effort

**DOT Bridge Section - FMC Corporation Construction Materials - Rummel, Klepper & Kahl
HNTB - Rail Division - Earth Tech, Inc. - DOT Rail Division - Terracon Geotech & Materials
HDR Water Resources - Land Design, Inc. - Kimley Horn Associates - ECS Environmental
S&ME - Wilbur Smith Associates**

We are also seeking 9 subject area experts independent of the committees for report evaluation and "Blue Ribbon Panel" endorsement of committee reports - North Carolina's list included - CEO of major private utility company/AWWA/WEA President; Professor of Transportation - UNC; State Materials Engineer - DOT; Director - Rural Economic Development; ACEC - President Elect; Director of Aviation; Past-President NC Society of Professional Engineers.

Interested parties should contact Tom Fitzgerald, tfitzgerald@wileywilson.com or (434) 455-3209 to obtain more information and sign on to help with this important project which will be of benefit to all Virginians.

ASCE Norfolk Branch 2005 Report Card

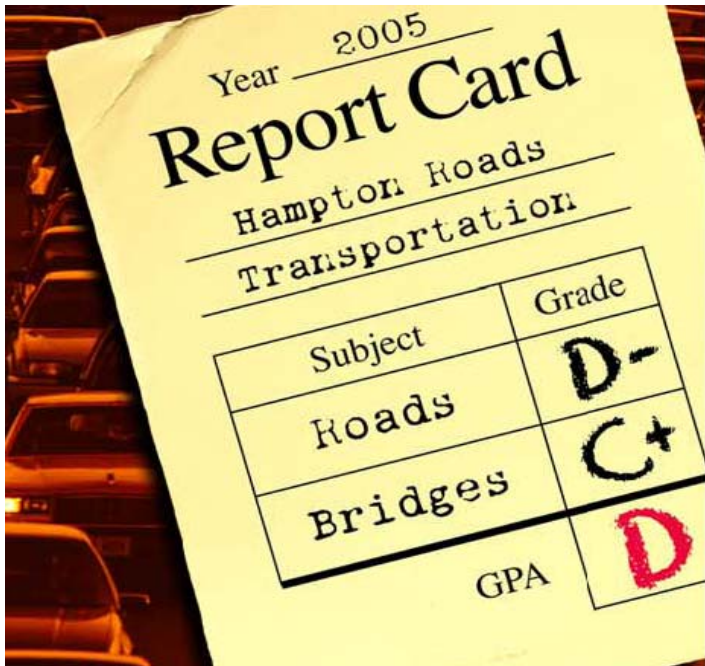
Hampton Roads - Roads D-

Motorists Pay Dearly for Poor Roads in Lost Time and Money

Inadequate roads cost Hampton Roads drivers \$1,290 annually in lost time, wasted fuel, safety hazards and vehicle operating costs according to TRIP, a national transportation research group. Deteriorating road conditions and congestion combined with a growing population have created serious problems: Norfolk tunnels are severely congested choke points. The Downtown Tunnel experiences congestion of 4+ hours each workday. By 2015, traffic in the Hampton Road Bridge-Tunnel is expected to hit delays of 15 minutes or more up to 21 times per day. Incidents and accidents at the tunnels cause back-ups averaging 3-8 miles.

Hampton Roads – Bridges C+

Hampton Roads' aging bridges were built for lighter vehicles and less traffic, but many of these crossings are now handling larger trucks and record traffic volumes. The Virginia Department of Transportation (VDOT) reports that 73 bridges in Hampton Roads are load posted, meaning that less than the normal loads are allowed to cross.



To Learn More

Detailed findings from Hampton Roads' Transportation Report Card —

www.ascenorfolk.org/reportcard

HRPDC's comprehensive transportation plan — www.hrpdc.org

ASCE 2005 Report Card for America's Infrastructure — www.asce.org/reportcard

Virginia's transportation funding problems — www.itstimevirginia.org

Transportation congestion research findings — www.tripnet.org/state.htm

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