

## 2009 Awards and Achievements

### BUSINESS

Name of Award	Presenting Organization	Project/Employee	Summary	VDOT Awardee/Contact
2009 Infrastructure State of the Year	GC/LA Infrastructure LLC	The Commonwealth of Virginia	<p>The state – including these projects totaling \$13.8 billion – was recognized at the North America Strategic Infrastructure Leadership Forum:</p> <ul style="list-style-type: none"> <li>• Interstate 495 High Occupancy Toll (HOT) Lanes</li> <li>• Dulles Metrorail Corridor</li> <li>• Norfolk Southern Crescent Corridor</li> <li>• Port of Virginia Expansion</li> <li>• CSX/High-Speed Rail Extension to Richmond</li> </ul> <p>The infrastructure development firm evaluated the states using a model that combines quantitative information – such as infrastructure investment per capita and end-user cost of electricity – and an eight-criteria qualitative model – including infrastructure vision, leadership, project quality, project performance and local engineering quality.</p>	Office of the Governor

<p>Honorable Mention – 2009 Governor’s Technology Awards</p>	<p>Commonwealth of Virginia Innovative Technology Symposium (COVITS) and the Office of the Governor</p>	<p>VDOT’s “ARRA reporting tool,” submitted in the “Online, Not ‘In Line’” category</p>	<p>COVITS recognized VDOT for developing and implementing a transparent Web-based application that allows internal and external users to report and track use of federal stimulus funds.</p>	<p>Murali Rao, director, Information Technology Division</p>
<p>2009 Bronze Trailblazer Award</p>	<p>American Association of State Highway and Transportation Officials (AASHTO)</p>	<p>VDOT’s Construction Lessons Learned program</p>	<p>This award, from AASHTO’s Standing Committee on Performance Management, is based on the Baldrige National Quality Program’s “Criteria for Performance Excellence.”</p> <p>VDOT’s Construction Quality Managers’ Community of Practice researched, developed, piloted and implemented the Construction Lessons Learned program to encourage staff to share information about work-related issues. The community of practice includes representatives from VDOT’s nine districts, VDOT’s Construction Quality Improvement Program and the Center for Knowledge and Information Transfer (formerly VDOT’s Knowledge Management Division).</p>	<p>Maureen Hammer, director, Center for Knowledge and Information Transfer, Virginia Transportation Research Council and Education Institute</p>

# SYSTEM

Name of Award	Presenting Organization	Project / Employee	Summary	VDOT Awardee/Contact
2009 Project Achievement Award for Program Management – Infrastructure	Construction Management Association of America	Woodrow Wilson Bridge	<p>The award recognizes outstanding professional construction and program management.</p> <p>Virginia, Maryland, the District of Columbia and the Federal Highway Administration co-sponsored construction of the \$2.5 billion bridge on the Capital Beltway (Interstate 95/Interstate 495) across the Potomac River.</p>	Nick Nicholson, Virginia Megaprojects program manager, Northern Virginia District
Gustav Lindenthal Medal	2009 International Bridge Conference	Woodrow Wilson Bridge	<p>The medal recognizes a noteworthy recent outstanding achievement in bridge engineering that demonstrates technical and material innovation, aesthetic merit, harmony with the environment and successful community participation.</p> <p>The Woodrow Wilson Bridge was selected from a worldwide list of distinguished bridge projects and joins a prestigious roster of past winners, including the Golden Gate Bridge in San Francisco, the Millau Viaduct in southern France and China’s Yangtze River Bridge.</p>	Nick Nicholson, Virginia Megaprojects program manager, Northern Virginia District

Grand Award – 2009 Engineering Excellence Awards	American Council of Engineering Companies	Woodrow Wilson Bridge	<p>The bridge was one of eight recipients of this award, which recognizes engineering firms for projects that demonstrate a high degree of innovation, achievement and value, uniqueness and originality, technical complexity, social and economic value and public awareness.</p> <p>It was selected from among 168 national finalists and joined such projects as Lucas Oil Stadium in Indianapolis and the Great River Energy Headquarters in Maple Grove, Minn., in this prestigious honor.</p>	Nick Nicholson, Virginia Megaprojects program manager, Northern Virginia District
2009 Globe Award	American Road & Transportation Builders Association (ARTBA)	Anacostia East wetland mitigation at the Woodrow Wilson Bridge project	The award from ARTBA’s Transportation Development Foundation recognizes private-sector firms and public-sector transportation agencies that do an outstanding job in protecting and/or enhancing the natural environment in the planning, design and construction of U.S. transportation infrastructure projects.	Nick Nicholson, Virginia Megaprojects program manager, Northern Virginia District
2009 Construction Quality Award	Virginia Transportation Construction Alliance	<p>Interstate 95-Temple Avenue interchange improvement project in Colonial Heights:</p> <ul style="list-style-type: none"> <li>• VDOT Richmond District</li> <li>• Chesterfield Residency</li> <li>• Abernathy Construction Corporation</li> </ul>	<p>The award recognizes the project team whose work exemplifies the best in construction quality, project inspection and overall project management.</p> <p>The 2,900-foot ramp, which came in under budget and ahead of schedule, provides Temple Avenue drivers direct access to I-95. The project’s construction challenges included working around heavy traffic and an environmentally sensitive site over a stream. The ramp’s design also works in context with its surroundings.</p>	Tom Hawthorne, district administrator, Richmond District, Mal Kerley, chief engineer

Top 10 Roads of 2009	<i>Roads and Bridges</i> magazine	Interstate 64-Battlefield Boulevard interchange	The listing recognizes the best in road construction for 2009. The \$100 million Interstate 64/Battlefield Boulevard project included widening two miles of I-64 from six to 14 lanes and reconstructing the interchange to meet current standards and traffic volume. The list is at <a href="http://www.roadsbridges.com">http://www.roadsbridges.com</a> .	Michael Johnson, construction manager, Hampton Roads District
2009 List of Government Innovations for Traffic Control	Harvard Kennedy School's Ash Center for Democratic Governance and Innovation	Zigzag Traffic Markings in Northern Virginia	The zigzag pavement markings, installed in the spring of 2009 in the Northern Virginia District where the Washington and Old Dominion trail crosses Sterling Boulevard and Belmont Ridge Road in Loudoun County, made the Harvard University Kennedy School Ash Institute list of government innovations for traffic control. The markings benefit bicyclists and pedestrians by warning motorists of upcoming crosswalks. The Virginia Transportation Research Council, VDOT's research division, is studying the benefits and effectiveness of the markings.	Hari Sripathi, regional traffic engineer, Northern Virginia District
Finalist	Intelligent Transportation Society of America (ITS America)	VATraffic system	ITS America recognized VDOT with one of the top five finalist awards for its VaTraffic system. ITS America also recognized ITS Virginia with the National Chapter Award in the area of professional development.	Ken Earnest, assistant division administrator, Operations and Security Division
Finalist – Bentley's 2009 Be Inspired Awards	Bentley Systems	Animated simulation of the Interstate 66/U.S. 29/Linton Hall Road interchange in Gainesville in Northern Virginia	The Be Inspired Awards celebrate works of infrastructure that improve the lives of people worldwide. The animation and other renderings of the interchange finished in the top three of 30 projects submitted worldwide in the category "Communicating Through Visualization."	Maria Sinner, Prince William County preliminary engineering manager, Northern Virginia District

<p>Practice-Ready Papers (2)</p>	<p>Transportation Research Board (TRB)</p>	<p>Alexander K. Appea, Todd Rorrer and Trenton Clark, for their paper, “Case Studies on Processes Involved in the Production and Placement of High RAP Asphalt Concrete Mixes in 2007 on Selected Routes in Virginia”</p> <p>Richard E. Thompson, for his collaboration with Cambridge Systematics on the paper, “Multiperiod Bridge Investment Optimization Utilizing Pontis Results and Budget Constraints by Work Type”</p>	<p>Each year, standing committees of TRB’s Technical Activities Division identify and catalog peer-reviewed papers presented at the TRB annual meeting that could be of potential interest as “practice ready” to transportation professionals nationally and worldwide.</p> <p>Practice-ready papers are those in which research results presented and discussed these papers contribute to the solution of current or future transportation problems or issues. Information presented in these papers is ready for immediate implementation.</p>	<p>Trenton Clark, asphalt program manager, Materials Division</p> <p>Richard E. Thompson, bridge management engineer senior, Structure and Bridge Division</p>
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## WORKFORCE

Name of Award	Presenting Organization	Project/Employee	Summary	VDOT Awardee/Contact
2009 Frank G. Erskine Award	Expanded Shale, Clay and Slate Institute	Celik Ozyildirim, principal research scientist	<p>Ozyildirim received this award for his “outstanding contributions to the use of lightweight aggregate.” He is a principal research scientist at the Virginia Transportation Research Council (VTRC), VDOT’s research division, which has investigated lightweight concretes over the years, and VDOT has used them mainly in projects to widen bridge decks.</p> <p>VDOT also used lightweight, high-performance concrete in Virginia’s first structure using such a beam and deck on Route 106 over the Chickahominy River and the two long bridges on Route 33 at West Point.</p>	Celik Ozyildirim, principal research scientist, VTRC

<p>2009 Past Presidents Award for Merit in Transportation</p>	<p>Institute of Transportation Engineers</p>	<p>Ning Li, senior highway safety engineer</p>	<p>Li received this award for his paper on “Improving Data Accuracy of Roadway Departure Crashes: Virginia Practice and its National Implications.” It brought data inaccuracy issues regarding roadway departure crashes to the attention of other state DOTs and the Federal Highway Administration, which, in turn, issued an official memorandum on the new definition and selection criteria of such crashes in May 2009.</p> <p>FHWA used some suggestions from this paper in this memo, and its staff acknowledged VDOT’s “significant contribution to this important highway safety effort.”</p>	<p>Ning Li, Traffic Engineering Division</p>
<p>2009 Bronze Telly Award</p>	<p>The Telly Awards – film/video category</p>	<p>“The Covered Bridges of Virginia” half-hour video – Rob Monroe, videographer</p>	<p>The video takes viewers on a tour of Virginia’s seven remaining covered bridges. It aired on several public television stations throughout the state and is available online at <a href="http://coveredbridges.pwnet.org/">http://coveredbridges.pwnet.org/</a>.</p>	<p>Rob Monroe, Public Affairs Division</p>

2009 Hermes Platinum Award	Association of Marketing and Communications Professionals	Hampton Roads Battlefield Boulevard project	The Hermes Creative Awards is an international competition for professionals involved in the concept, writing and design of traditional materials and programs, and emerging technologies. The Battlefield Boulevard project team won this award for its public relations and communications community relations campaign. The \$100 million Interstate 64/Battlefield Boulevard project included widening two miles of I-64 from six to 14 lanes and reconstructing the interchange to meet current standards and traffic volume.	Lauren Hansen, acting public affairs manager, Hampton Roads District
Communicator Awards' Award of Distinction	The International Academy of Visual Arts	Hampton Roads Battlefield Boulevard project	The Communicator Awards honor creative excellence for communications excellence. The Battlefield Boulevard project team won this award for its public relations and communications community relations campaign.	Lauren Hansen, acting public affairs manager, Hampton Roads District
Best Presentation/Paper	National Conference on Access Management	Presentation: "The Road to Access Management in Virginia"	The presentation described VDOT's successful effort to implement a statewide access-management program. Because of this recognition, the author was invited to make the presentation at the 2009 annual meeting of the Transportation Research Board, part of the National Academies.	Paul Grasewicz, program administrator, Land Use Section, Maintenance Division

First place	University of Virginia Student Sustainability Project Competition	Mike Fitch for his project on “Management and Reuse of Salt-Contaminated Stormwater Runoff”	<p>The competition, organized by the U.Va. President's Committee on Sustainability, showcased projects aimed at creating a more sustainable future. Fitch proposed ways to reduce the amount of wastewater from VDOT's road-salt storage facilities by up to 50 percent. His project also identified and evaluated potential treatment alternatives and investigated the feasibility of recycling this runoff into the brine used to manufacture anti-icing agents.</p> <p>The project estimated that reuse of salt-laden runoff could result in annual savings of \$1 million to \$6 million, a 35 percent reduction in the salts used on roads and a reduction in the amount of fresh water needed to create brine.</p>	Mike Fitch, associate principal research scientist, VTRC, and Ph.D. candidate at U.Va.
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Young Professional Scholarship Award	Institute of Transportation Engineers (ITE)	Ning Li, senior highway safety engineer	The Transportation Consultants Council (TCC) of ITE implemented this award in 2005 to encourage young professionals to attend the ITE annual meeting. The recipients receive the award at the ITE annual meeting and are recognized in the ITE Journal and the TCC newsletter.	Ning Li, Traffic Engineering Division
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2009 Walter Satterfield Memorial Award	ManTech Systems Engineering Corporation	Teresa Underwood, administrative assistant, Staunton District	This award is given to the person who has given of their time and talents to support the training program.	Teresa Underwood, Staunton District
2009 District and VDOT Technician of the Year	VDOT Equipment Management Team	Mark Munson Lenny Hodge Kenneth Morrison Walter Lawrence Sligh Jr. Robert Samuel Randy Mauck Jack Borden Juan Sakata	<p>These awards recognize technicians who exemplify the prototypical professional technician, based on their performance in:</p> <ul style="list-style-type: none"> <li>• Occupational/environmental safety</li> <li>• Community service</li> <li>• Use of technology</li> <li>• Ethics</li> <li>• Innovation and initiative</li> <li>• Technical proficiency</li> <li>• Continuing education/experience</li> <li>• Customer service</li> </ul>	<p>Mark Munson, Salem District and VDOT Technician of the Year Lenny Hodge, Lynchburg District Kenneth Morrison, Richmond District Walter Lawrence Sligh, Jr., Hampton Roads District Robert Samuel, Fredericksburg District Randy Mauck, Culpeper District Jack Borden, Staunton District Juan Sakata, Northern Virginia District</p>

<p>2009 Civil Engineering History and Heritage Award</p>	<p>American Society of Civil Engineers (ASCE)</p>	<p>Howard Newlon</p>	<p>Howard Newlon was director of the Virginia Transportation Research Council, VDOT's research division, from 1981 to 1989.</p> <p>He received this ASCE award for his pioneering initiative to document and preserve this history of transportation, including early roads and significant structures, and to recognize the many contributions of notable civil engineers in the development of America's transportation system.</p>	<p>Gary Allen, chief of Technology, Research and Innovation</p>
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