 MdQI Conference 2010

January 27–28
Sheraton Baltimore City Center Hotel

“Envisioning our Future: Funding, Environment, and Innovation”

Printed on recycled paper
Words of Welcome from the MdQI Co-Chairmen

Welcome to the 17th Annual MdQI Conference. On behalf of all the partners of the Maryland Quality Initiative (MdQI), my Co-Chair, Greg Welker and I would like to thank you for your continued participation in the MdQI Conference during the past 16 years. In 2009 we introduced Maryland’s Green Initiatives, to bring a heightened awareness to our industry’s responsibility to be good environmental stewards. In one short year we have made significant progress and will be reporting on many lessons learned and what lies in store for the future.

The 2010 conference theme, entitled “Envisioning our Future: Funding, Environment and Innovation” is a multi-faceted theme in which our technical sessions and presentations will address the most pertinent issues facing the highway industry and provide insight into how we may build our future highways. Even with the tough economic climate, our highway industry partnership has stayed strong and vibrant, and as a group we will continue to deliver safe, innovative, sustainable, and economical projects with the highest quality.

Please enjoy this informative conference and stay posted throughout the year by visiting our website, www.mdqi.org, for upcoming industry-wide initiatives and events.
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Status Update and Lessons Learned
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“Greening” of the Standard Specifications for Construction and Materials – “Updates, Changes And Strategies”

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Al Jacobs
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**Awards and Dinner**

**Awards of Excellence Moderators**

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# 2010 MdQI Conference Schedule

“Envisioning our Future: Funding, Environment, and Innovation”

The 2010 MdQI conference is scheduled for January 27-28, 2010 with the Annual MdQI Awards of Excellence presentation and banquet on the last day of the conference. Each year, breakout topics of interest to the Maryland highway industry are identified by the MdQI Steering Committee and discussed at the conference. Each breakout topic is presented by a panel comprised of public/private professionals considered experts in the topic area. The presentations on breakout topics are followed by team discussions and brainstorming sessions. Conference attendees participate in the breakout topics of their choice.

### Wednesday, January 27, 2010

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<th>International E</th>
<th>Pratt Room</th>
<th>Poe Room</th>
<th>Mencken Room</th>
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<tr>
<td>10:00 a.m.</td>
<td>Welcome, Overview of Technical Sessions, and Keynote Speaker (Lunch provided)</td>
<td>Registration Starts</td>
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<tr>
<td>11:30 a.m.</td>
<td>Registration starts</td>
<td>Welcome, Overview of Technical Sessions</td>
<td>Registration Starts</td>
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<tr>
<td>2:00 p.m.</td>
<td>Change Orders</td>
<td>Improving your MBE Design Practice</td>
<td>MDE Permits – from Design to Field</td>
<td>Design Project Management: Wash, Rinse, Repeat</td>
<td>American Recovery and Reinvestment Act (ARRA) Fraud Prevention Training</td>
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<td>3:15 p.m.</td>
<td>A Marriage between the Contractor and Engineer – The Design/Build Team</td>
<td>MBE Participation in Construction Projects</td>
<td>Surviving the SWM Act of 2007</td>
<td>Accommodating ADA in Transportation – Construction</td>
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<tr>
<td>3:45 p.m.</td>
<td>ICC Contract A Opens Fall 2010 – Status Update</td>
<td>“Greening” of the Standard Specifications for Construction and Materials - “Updates, changes and strategies”</td>
<td>Automated Speed Enforcement in Work Zones (It’s NOT about the money…really!!)</td>
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<td>5:00 p.m.</td>
<td>ICC Design Coordination Lessons Learned</td>
<td>Context Sensitive Solutions – The Pillar of Sustainable Highways</td>
<td>Highway Construction Staging (Paper Plans meet Reality – Things Designers Should Know)</td>
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<td>7:30 a.m.</td>
<td>General Session – Keynote Speakers: MDOT Secretary Beverley Swaim-Staley and FHWA Deputy Administrator Greg Nadeau</td>
<td>Registration and Continental Breakfast (provided)</td>
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<tr>
<td>10:45 a.m.</td>
<td>ICC Contract A Opens Fall 2010 – Status Update</td>
<td>“Greening” of the Standard Specifications for Construction and Materials - “Updates, changes and strategies”</td>
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<td>6:00 p.m.</td>
<td>MdQI Banquet &amp; Awards of Excellence</td>
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Gregory “Greg” Welker was appointed Deputy Administrator/Chief Engineer for Operations for the State Highway Administration of Maryland in 2009. Greg is responsible for construction, maintenance, traffic, emergency preparedness, and system preservation.

Greg began his employment with the Maryland State Highway Administration in 1984 as a Highway Engineer in the Construction Inspection Division in the Washington, D.C. suburbs. He managed multiple large projects as District 3 Area Engineer. Greg provided administrative oversight and technical expertise while serving as a Regional Construction Engineer for the Eastern Shore of Maryland (Districts 1 and 2) and Prince George’s County. He was promoted to Assistant District Engineer – Construction for District 2 where he was responsible for design, utility, and construction activities on the upper Eastern Shore. Greg was appointed District Engineer in 2001 for District 5 where he was responsible for maintenance, traffic operations, design, construction, and emergency response in Anne Arundel County and the three counties of southern Maryland.

Greg graduated from Virginia Polytechnic and State University in 1984 with a B.S. in Civil Engineering. While enrolled, he participated in the cooperative education program with work assignments at Paciulli Simmons Land Surveyors, Fuller-Griffin Construction Management (project management for the Washington D.C. Convention Center), and the United States Coast Guard – Civil Engineering Design Division (facility database development).
Administrator of the Maryland State Highway Administration since January 2003, Neil J. Pedersen is responsible for an agency that maintains and operates nearly 17,000 lane miles of roadway and 2,500 bridges; employs more than 3,200 professionals in a variety of disciplines; and is responsible for an annual budget of $1.7 billion. In that position, he also serves as the Governor’s Highway Safety Representative and Chair of the Maryland State Roads Commission. A registered professional engineer, he previously served for two and a half years as SHA’s Deputy Administrator/Chief Engineer for Planning and Engineering – a position that oversees all of the agency’s planning, design, environmental, and real estate functions. Prior to that, he was SHA’s Director of Planning and Preliminary Engineering for 16 years. Mr. Pedersen led SHA in the delivery of two mega projects: the $2.4 billion Woodrow Wilson Bridge, which is nearing completion, and the $2.5 billion Intercounty Connector, which has begun construction.

Mr. Pedersen believes in working with other transportation professionals to advance the practice of both engineering and public administration. His involvement with the American Association of State Highway and Transportation Officials includes being Vice Chair of the Standing Committee on Highways, a member of the Standing Committees on Research; and serving on its Board of Advisors for the Center on Environmental Excellence. He is also a member of the Executive Committee of the Transportation Research Board and chairs the Executive Committee of the I-95 Corridor Coalition, a consortium of transportation organizations from sixteen states along the eastern seaboard. He also serves on the Board of Visitors of the University of Maryland’s Department of Civil and Environmental Engineering.

Mr. Pedersen has received numerous awards for his service, including most recently the 2007 Thomas H. MacDonald Memorial award from AASHTO and the 2006 George S. Bartlett award, which is given by the Transportation Research Board, AASHTO and ARTBA.

A native of Massachusetts, Mr. Pedersen holds two undergraduate degrees from Bucknell University and a Master’s degree in Civil Engineering from Northwestern University. He lives in Silver Spring, Maryland with his wife, Barbara.
Day 1 TECHNICAL SESSIONS PM

Change Order

The MD State Highway Administration (SHA) will lead a session on Construction Change Orders. This workshop will open with a brief overview of the current change order process, including the documentation required and reviewed on change order submittals; the process used to track the status of change orders in the Office of Construction (OOC); and the primary causes of change orders. The floor will be opened for a results oriented discussion regarding the initiation of the change order process, timeliness of negotiations, mandatory support documentation, use of proper forms, prior approvals, and final change order processing.

The most important goals of this session are to clarify and comprise a list of the responsibilities of both the contractor and SHA; to identify common errors in an effort to assure each change order request is properly submitted and documented; to illuminate improvement areas of the change order process and coinciding action steps that can be taken to improve the processing of change orders and the timely payment to contractors and subcontractors.

**Moderator:** Georgia Russell

**Speaker(s)**

**David Peake**

David Peake is the Deputy Director - Office of Construction, for the Maryland State Highway Administration (SHA). Mr. Peake holds a Bachelor of Science Degree in Civil Engineering from the University of Maryland, College Park. David has worked in many areas within SHA including Project Engineer in the Highway Design Division, District 7 Construction Office Engineer, District 3 Construction Project Engineer, District 3 Construction Area Engineer, and participated in the Chief Engineer’s Rotation Program. David is currently a member of the MdQI Highway Operations Subcommittee.

**James D. Folden, Jr., P.E.**

James D. Folden, Jr., P.E. graduated from West Virginia University in 1998 with a Master’s Degree in Civil Engineering. While attending WVU, he worked as a Summer Intern with the West Virginia Division of Highways from 1993 until 1997. He started his career with the MD State Highway Administration (SHA) in June, 1998 as an inspector for the Construction Inspection Division. He was assigned to the MD 450 Reconstruction and Dualization Project from Seabrook Road to MD 193. From April, 1999 through March, 2005 James served the state of MD as the Project Engineer on various multi-million dollar construction projects, such as, Structure Replacement on MD 382 (replacing an existing bridge and box culvert); I-495 Four Bridge Rehabilitation between US 29 and MD 97; US 29 Interchange at East Randolph Road and Cherry Hill Road; and MD 450 CSX Grade Separation Project in Bladensburg. During this period, James was also on rotation in the Office of Materials and Technology working with the Geotechnical Engineering Team. In April, 2005 James was promoted to Area Engineer in
District 3 and in August, 2006 he accepted his current position with SHA as Assistant District Engineer for Construction in District Five.

**Charlie Zellman, Jr.**

Charlie Zellman, Jr. has worked for the Maryland State Highway Administration’s (SHA), Office of Construction (OOC) for 24 years. Charlie began his career as a construction inspector in District Three, working in Prince George’s County for three years until transferring to District Four. In District Four, Charlie was a Project Engineer in charge of many multi-million dollar contracts in Harford and Baltimore counties. After 18 years in the field, Charlie accepted a position in the headquarters office as the Assistant Team Leader, Claims Review Team and is currently the Team Leader, for the Claims Review Team. He is a lead representative for the Office of Construction, managing statewide construction contract claims; change orders; additional work requests; prior approvals; stored materials; and provides technical support to the Director and Deputy Directors of OOC.

**Martin Ratchford**

Martin Ratchford earned a BS in Engineering from Penn State University and has 20 years of experience in the construction industry working as a carpenter, foreman, construction project manager, and for the MD State Highway Administration (SHA). He began working for SHA in 2000 as the District 7 Construction Office Engineer, which involved processing all District construction change orders, scheduling, constructability reviews, and other various construction related responsibilities. In 2008, Martin joined SHA’s Office of Construction as Chief of the Construction Inspection Division (CID). This position manages 122 state inspectors in Districts 3, 4, 5 & 7; a vehicle fleet; twelve to fifteen consultant inspection contracts totaling $150,000,000; and a materials certification program. In addition, as Chief of CID, Martin is responsible for maintaining various construction forms, directives, and a multitude of construction related policies and procedures.

**James Otterbein**

Jim Otterbein is a consultant with Whitman, Requardt & Associates, LLP. He has been assigned to the State Highway Administration since September 2008 working in District 4 Construction. He has a Bachelor of Arts Degree in Economics from the University of Maryland Baltimore County. Jim started his career as a Financial Aid Administrator working at various colleges and universities in Maryland and DC. After 17 years of financial aid, he changed careers and started working in the building industry. He spent 2 years working for a HVAC company in Baltimore and nearly 3 years working for a home builder and building supply company in Annapolis before joining WR&A.
David Ferrara

David Ferrara has been the Director of Construction with the Maryland Transportation Authority (MDTA) since July, 2007. In this capacity, he manages the MDTA Division of Construction with responsibility for planning, managing and controlling all aspects of the division. He has a management degree and has been employed with the agency since 1989. During his career, David served in a supervisory and management role as a Project Engineer on many high profile projects and as Area Engineer and Project Coordinator for the I-95 ETL Project. He currently serves as a member of the Authority’s Procurement Review Group and Policy Steering Committee. Affiliations include membership in the Maryland Association of Engineers and participation in the ACEC Construction Roundtable.

Eamonn McGeady

Eamonn McGeady is a construction executive with more than 20 years experience in heavy civil and marine construction, currently serving as the Business Development Manager for Cherry Hill Construction, Inc., a heavy/highway civil firm based in Jessup, MD. Over his career Mr. McGeady has held numerous construction leadership positions, starting as a junior project superintendent, progressing as a project manager, general manager, executive vice president, and the owner and president of a marine construction company. He holds a bachelor’s degree from McDaniel College and a Master’s degree from the Johns Hopkins University. Mr. McGeady resides in Annapolis, MD.

Lew Glassmire, Jr.

Lew Glassmire, Jr. has been involved with heavy/highway construction for 35 years, primarily in PA, WV, VA, MD & DE. He has experience in bidding and constructing heavy/civil projects throughout the region and in much of the United States (26 states). Lew has grown and performed in many capacities through the years, including project engineer, surveyor, superintendent, chief estimator, project manager, general manager, and vice president. He has worked for Atlas Machine & Iron Works, The Hardaway Company, Granite Construction, and most recently with American Infrastructure where he has been a Construction Manager over 10 years. Lew has had the privilege to perform as both Superintendent and Project Manager on many of the highways built in MD in the past 30 years, such as I-95; I-795; I-97; I-270; MD 43; and on many other rehabilitation/maintenance projects. He is an active member of the MTBMA Board of Directors and enjoys many personal hobbies, including hunting, fishing, snowmobiling, motorcycling, and coaching baseball, soccer, and basketball.
Improving your MBE Design Practice

This workshop session will help both MBE and Prime firms improve design and business practices for MBE participation on projects. Key leaders of the SHA Office of Consultant Services, SHA Office of Equal Opportunity, MBE firms and Prime firms will give you insight into the critical issues that need to be addressed in executing a successful MBE Program. By understanding the perspectives of each of our industry partners, you will gain a better understanding of the expectations of each partner, with the goal of putting this new knowledge to practice for current and future projects.

Moderator: Ziad Sabra

Speaker(s)

Ziad Sabra, P.E.

Ziad Sabra is a Principal with Sabra, Wang & Associates, Inc., a Maryland-based MBE engineering firm. He directs and manages the transportation group (traffic safety and operations, transportation planning, traffic design and ITS). Ziad is a registered professional engineer and has 26 years of experience. Ziad holds graduate degrees in Civil and Transportation Systems Engineering. Currently, he chairs the ACEC/MD Small Business Enterprise (SBE) Committee.

Karen Shipley

Karen Shipley is the Deputy Director of the Office of Equal Opportunity at Maryland State Highway Administration. Karen is responsible for SHA’s Minority Business Enterprise Program and the Federal Disadvantaged Business Enterprise Program. She has over 24 years experience in the field of Civil Rights, with over 17 years at SHA. Karen authored SHA’s MBE Compliance Manual, is a voting member on SHA’s Procurement Review Group which sets the MBE contract goals, and has served on a number of teams and workgroups relating to the MBE Program.

Terry Neimeyer, P.E

Terry Neimeyer is CEO and Chairman of the Board of KCI Technologies, a multi-disciplined engineering firm headquartered in Hunt Valley, MD with 28 offices in 14 states in the Mid/South/North Atlantic region. KCI has over 900 employees and over $142 million in revenues and is ranked # 88 on the Engineering News Record List of engineering firms. KCI has participated on many noteworthy projects in Maryland including the MD 210 Interchange for the Woodrow Wilson Bridge Project, the Intercounty Connector and MD 5 at Coventry Way. The current national treasurer of ACEC, Terry earned a B.S. in Civil Engineering from the University of Delaware, a M.S. in environmental engineering from the Johns Hopkins University, and a M.B.A. from Wilmington College. He has been with KCI since 1977.
Joan Wang, P.E., Ph.D., RJM Engineering, Inc.

Joan Wang is a project manager with RJM Engineering, Inc., a Maryland-based MBE engineering firm headquartered in Columbia, MD with 42 employees. She manages the highway design group including highway development, highway hydraulics, and traffic design. Joan is a registered professional engineer and has 17 years of experience. She earned a B.S in Geotechnical Engineering from Tongji University, one of the most prestigious universities in China, and a M.S. & a Ph.D. in civil engineering from Johns Hopkins University. Dr. Wang has been with RJM Engineering, Inc. since 1999.

Robert Gay

Bob Gay is the Director of the Office of Procurement & Contracts, which includes the Consultant Services Division. This Division is responsible for all Architectural and Engineering procurement for the State Highway Administration. Bob has 34 years of experience with SHA of which the last 20 years have been in procurement. Bob has been the Procurement Officer on projects such as the Intercounty Connector and is also SHA's representative at the Maryland State Board of Public Works.

Paul F. Becker

Paul Becker is the Chief of the Consultant Services Division. This Division is responsible for all Architectural and Engineering (A/E) procurement for the State Highway Administration. Paul has 29 years of experience with SHA of which the last 14 years have been in A/E procurement. In FY 2009 Paul oversaw the procurement of 84 A/E contracts valued at approximately $221 million. Of this dollar amount, a total of 28% or $63 million was designated to MDOT Certified Minority Businesses. Paul is SHA's representative at the Transportation Professional Service Selection Board.
MDE Permits – From Design to Field

This session will provide an overview of the permit development process on Design-Bid-Build projects. A panel of representatives including designers, regulators, reviewers, contractors and field monitors will provide an overview of the environmental permits process and discuss the necessity of making field changes as well as the appropriate procedures to follow in move keep construction forward while maintaining environmental compliance commitments. Representatives from SHA’s Office of Environmental Design (Environmental Programs Division), Office of Highway Development (Highway Hydraulics Division), Maryland Department of the Environment (Water Management Administration), and Construction Contractors will be invited to participate on the panel. In addition to designers, contractors and field personnel are encouraged to attend to provide constructive feedback on the current process, successes and challenges, and potential solutions.

**Moderator:** Chris Fronheiser

**Speaker(s)**

**Donald Hoey**

Don Hoey is the Quality Assurance Manager for the Office of Environmental Design – Environmental Programs Division within the Maryland State Highway Administration where the Quality Assurance Program now resides. He has been with SHA officially since 2006, however, has been working with the administration for over 22 years. He has been involved in the Quality Assurance Program from its pilot days in the late 1980 under the Office of Construction & Districts and has participated in numerous SHA Environmental initiatives under the Office of Environmental Design. Committed to SHA’s environmental stewardship agenda he promotes it with open communication, by including the stakeholders, walking the talk, solving problems, and streamlining processes.

Don has a BS degree in Civil Engineering from Rochester Institute of Technology and serves on a number of SHA quality teams. When not at work Don challenges himself with keeping his wife Terri and his daughter Taylor on the happy side of life. He believes “life is grand, invest in it and you will be rich.”

**Todd Nichols**

Todd Nichols is Chief of SHA’s Environmental Programs Division. This Division is responsible for obtaining wetlands/waterways permits for SHA’s Capital & Maintenance Projects, Permit Compliance, Wetland and Stream Mitigation and Stewardship and Erosion and Sediment Control Quality Assurance Program to help maintain compliance on SHA’s construction project. Todd has 20 years of service with SHA.
Karuna Pujara, P.E.

Karuna Pujara, P.E. is Division Chief of the Highway Hydraulics Division and has been with the Maryland State Highway Administration’s (SHA) Highway Hydraulics Division for nearly 17 years. Her expertise is focused on Hydraulics/Hydrology, Drainage, Water Quality, NPDES, Stream Restoration, Stormwater Management, and Erosion and Sediment Control. She leads SHA in the Stormwater and Sediment Control design and permitting.

Steve Buckley

Steve Buckley is Assistant Division Chief of the Highway Hydraulics Division and has been with the Maryland State Highway Administration’s (SHA) Highway Hydraulics Division for nearly 32 years. His expertise is focused on Hydraulics/Hydrology, drainage, Stormwater Management, Erosion and Sediment Control. Mr. Buckley has been a lead staff member in developing drainage guidelines, standard specifications, standards for stormwater facilities designs, and developing policy for the pipe material selection guidelines. He will bring his knowledge of new stormwater regulations and provide an overview of how it affects many of highway projects.

L. Ken Pensyl, III (Ken)

Ken is the Administrator of the Sediment, Stormwater, and Dam Safety Program in the Water Management Administration of the Maryland Department of the Environment (MDE). The Program is responsible for Maryland’s Erosion and Sediment Control, Dam Safety, and Stormwater Management Programs that includes the National Pollutant Discharge Elimination (NPDES) separate storm sewer system (MS4) permits. He is a graduate of Penn State University with a Civil Engineering Degree and has over 29 years of experience with State agencies (e.g., 6 with State Highway Administration, 1 with Department of Natural Resources, and 22 with MDE). Ken will be offering his insights into the Joint Permit Application requirements as they relate to national and state environmental laws.
Design Project Management: Wash, Rinse, Repeat

This session will briefly discuss the results of the recent ACEC/SHA Project Manager survey. Two experienced Project Managers, representing private and public sectors, will present their expectations, real world examples and areas for potential improvements from the perspective of an owner and a consultant. A moderated panel will then follow with a discussion of best practices, tools for the PM's and financial/contract issues. A question and answer period for the presenters will wrap up the session.

**Moderator:** Tony Mawry

**Speaker(s)**

**Kirk McClelland, P.E.**

Kirk has been with Maryland State Highway Administration (SHA) since 1982 and has served in a number of capacities including Chief of the Highway Design Division and the Highway Hydraulics section. He is a registered Professional Engineer. His current position is Director of the Office of Highway Development, with responsibility for final pre-construction engineering activities for projects throughout the state. Kirk is also active in AASHTO, serving as Maryland’s representative on the Subcommittee on Design.

**Eric Marabello, P.E.**

Eric E. Marabello, P.E. is a graduate from Clarkson University in Potsdam NY, with a Bachelor of Science in Civil and Environmental Engineering. After graduating from Clarkson, he started his career with the Highway Design Division of the State Highway Administration and now serves as Division Chief. During his time at the State Highway Administration, he obtained his license to practice as a Professional Engineer in the State of Maryland and is now responsible for management of 30 design engineers/project managers and engineering technicians and for the Major Capital Program at SHA. Prior to his promotion to Chief, he was responsible for the project management of the MD 5 Branch Avenue Metro Access Phase 1 Interchange and the I-495 at Arena Drive Design-Build projects.

**Christina Lavoie**

Christina has worked for the Maryland State Highway Administration (SHA) in the Highway Design Division for five years as a project manager overseeing the design of various projects, including the ARRA Traffic Barrier Projects and the BRAC Bethesda intersection improvement projects. She graduated from Clarkson University with a Bachelors of Civil Engineering and a Bachelors of Interdisciplinary Engineering and Management. As part of SHA’s Advanced Education Program, Christina received a Masters of Science Degree from the University of Maryland, University College in May 2009 majoring in Management with a specialization in Project Management. She is currently pursuing her Professional Engineer's License.
Rob Hudson, P.E.

Rob Hudson is a Project Engineer with Wallace, Montgomery & Associates. He has a B.S. in Civil Engineering from Pennsylvania State University, and is a registered Professional Engineer in four states (MD, PA, DE and VA). Rob has over twenty years of experience in the areas of highway design and site engineering, and his experience has included many facets of the civil engineering industry including roadway design, permitting, and construction. Rob has been actively involved in projects for various public transportation departments and agencies, as well as private sector clients, throughout his career. At Wallace, Montgomery & Associates, he is responsible for managing the design of transportation projects for several agencies in Maryland, including the Maryland State Highway Administration (SHA), the Maryland Transit Administration (MTA), and the Department of Public Works for several counties throughout the state. His management responsibilities include preparing project scopes and budgets, preparing responses to client RFP’s, and managing active design projects to assure quality and compliance with schedules and budgets.

Steve Parker, P.E.

Steve Parker began his career in 1976 as a Surveyor and Construction Inspector and later moved into highway design. During his 33 years with STV, Incorporated, he has gained experience in all aspects of the highway design and management process. Steve is a Vice President of STV Incorporated with management responsibility for the firm’s highway, bridge, water resources, and CMI practices in Baltimore.

Steve has served as Project Manager for numerous projects for public agency clients over the years, including MDOT, Baltimore City, and many local counties. As a result, he has extensive experience with different Project Management systems and styles. In addition, while serving the MD Transportation Authority as part of the I-95 Express Toll Lane (ETL) GEC, Steve has gained a client’s perspective on project management of highway design consultants. Steve graduated from Drexel University with a degree in Civil Engineering and is a registered Professional Engineer in Maryland. Steve and his wife have four children and live in Mount Airy.

The session will include an overview of the U.S. Department of Transportation, Office of Inspector General’s mission as it pertains to the detection and prevention of fraud, waste and abuse. We will discuss various types of fraud schemes that can be perpetrated and we will provide examples of fraud awareness indicators (red flags) that contract and grant oversight officials can look for when reviewing and monitoring federally funded contracts and grant agreements.

Speaker

Elise S. Woods

Elise S. Woods is the Assistant Special Agent-in-Charge of the U.S. Department of Transportation, Office of Inspector General (DOT-OIG), Washington Field Office. She has worked for DOT-OIG for over 18 years, having begun her career as a Special Agent in the Baltimore investigative office. She is a graduate of McDaniel College in Westminster, Maryland and the Federal Law Enforcement Training Center in Glynco, Georgia.
A Marriage between the Contractor and Engineer – The Design/Build Team

The Design Build relationship between a Contractor and an Engineer is a relationship that begins before advertisement (The Dating Phase) progresses through the bidding phase (The Engagement), and finishes with plan development and construction (Keeping the Marriage Happy). You’ll hear from both contractors and designers what it takes to make the “marriage” successful.

Moderators: Lisa Choplin, SHA and Joe Makar, WRA

Speaker(s)

Jo Ellen Sines

Jo Ellen Sines is currently the Vice President of Project Development at Corman Construction, a leader in heavy civil construction in the Mid-Atlantic area. She holds a civil engineering degree from the University of Pittsburgh and has been with Corman for 29 years. She is active in ARTBA, DBIA and currently serves as the Chairman of MTBMA.

John (Jack) A. Moeller, P.E.

John (Jack) A. Moeller, P.E., CPA is Executive Vice President of Johnson Mirmiran & Thompson where he is in charge of the operations for this multidiscipline engineering firm. Jack received a BSCE and MSCE from the University of Maryland. During his 33 years of civil engineering experience, he has managed numerous planning, design and construction projects. Some of the more notable projects include: the I-95/I-695 Interchange Project; the dualization of I-695 from MD 2 to MD 151; the I-95/I-295 Interchange at the Woodrow Wilson Bridge, the rehabilitation of Baltimore Harbor Tunnel, eastbound US 50 Bay Bridge, Tydings Bridge, Hatem Bridge and Nice Bridge; and the planning for managed lanes on I-95 in Baltimore County.

Prior to joining JMT in 1995, Jack spent approximately 20 years working for SHA and MdTA including, 11 years as the Director of Engineering at MDTA. Jack resides in the Phoenix area of Baltimore County with his wife and two daughters.

Leon Kriebel, P.E.

Leon Kriebel, P.E. is a Principal and President of Whitney, Bailey, Cox & Magnani, LLC (WBCM). Mr. Kriebel has 35 years of experience in planning and design of highway, bridge and transportation projects throughout the State of Maryland. He has a broad range of design experience including expressways, urban streets, streetscapes, interchanges, hydrologic/hydraulic analysis, storm drain design, stormwater management, erosion/sediment control and environmental permits.

Mr. Kriebel oversees the highway, bridge, transportation planning, traffic engineering and construction inspection departments at WBCM. He is an active design Principal in highway projects, having managed major highway projects such as the award-winning Salisbury
Bypass, Hampstead Bypass, US 29 & MD 198 Interchange, Arundel Mills roadway network as well as numerous smaller projects including streetscapes such as the reconstruction of MD 32 and MD 526 in Westminster. He is currently serving as the Design Quality Control Manager for Contract C of the Inter-County Connector.

Mr. Kriebel is actively involved in A/E/C professional organizations including ACEC, ASCE, ASHE, WTS and DBIA. He served as a Director for ACEC/MD from 2006 to 2009 and is currently serving as Secretary. He served as past President of the ASHE Chesapeake Chapter from 2002-2003. He also currently serves on the board of DBIA-Mid Atlantic. Mr. Kriebel is a graduate of the Pennsylvania State University with a BSCE degree in Civil Engineering.

**Louis K. Robbins, PE, DBIA**

Mr. Louis Robbins is the Executive Vice President for Dewberry. Mr. Robbins is Dewberry’s discipline lead and champion of design-build projects; he has involvement with design-build projects across the full spectrum of the company’s service lines (Building, Site/Civil, Waste Water and Transportation).

Projects of note for Mr. Robbins include: MD SHA Intercounty Connector (ICC) Contract C – Quality Assurance Manager for the $513 million design-build project including 3.8 miles of new six lane roadway, 20 new bridges and two - three level interchanges; New Walter Read Hospital Center – Project Manager of site/civil portion of this $660 million design-build project; Atlantic City/Brigantine Connector and Tunnel, Atlantic City and Brigantine; NJ – Co-Principal-in-Charge Preliminary Design & Owners Representative of a $22 million public/private design-build development of a major new road and tunnel and Route 133 - Hightstown Bypass, Mercer County, NJ – Project Manager NJDOT design-build project including two lanes of traffic in each direction Winner of the National 1999 Best Civil Project over $15 Million from the Design-Build Institute of America.

Mr. Robbins is a former Chair of the DBIA National Licensure Committee and of NJACEC Design Build Committee, and Co-Chair of the 2004 & 2008 DBIA National Transportation Conference. He is currently on the leadership team for DBIA’s Civil Infrastructure Committee, a board member of the DBIA Middle Atlantic Region.

**Rick Reardon**

Rick Reardon has been the Chief Engineer for Facchina Construction Co., Inc. of La Plata, Maryland for 20 years. A 1969 graduate of Cornell University in civil engineering, upon graduation he served two years in the Army Corps of Engineers, including a tour in Vietnam. He has been a heavy/highway construction engineer in the Metropolitan Washington, DC area for the last 35 years. Starting as a project engineer on the construction of underground Metro stations, he has been estimating and procuring heavy/highway projects for the last 30 years. He was the team leader for Facchina in the Pentagon Secure Bypass and ICC procurements. He is a professional engineer registered in Virginia and the District of Columbia.
R.C. "Butch" Lundgren

R.C. "Butch" Lundgren was born into a family-run New England highway construction company in 1945. In 1968 he earned his BSCE degree and started full time work on major highway projects throughout New England. In 1974 he took over the companies' coal mining operations in Eastern Kentucky (one of two major mistakes in his life as it turned out). From 1980 thru 1989 he worked for S.J. Groves in Kentucky, Ohio, Pennsylvania and Tennessee. R.C. had his first design-build experience, with contractor quality control, in 1988 while working in Louisville, Kentucky. He moved to Maryland in 1989 and started working for Concrete General in 1990 as their General Superintendent. He was a part of the first partnered project in Maryland, an FHWA contract on the Suitland Parkway, and is a believer in the partnering concept. R.C has been the design-build manager for Concrete General on six projects ranging in value from 1 to 30 million dollars.
MBE Participation in Construction Projects

This session will present an overview of the MBE/DBE process utilized on State Highway Administration projects beginning with the development of an engineers estimate and establishment of MBE/DBE goals on State and federally funded projects.

The majority of the discussion will involve prime contractors and MDE/DBE subcontractors sharing their keys to fostering a successful working relationship as well as sharing thoughts on what pitfalls to avoid that could lead to a less than positive working relationship.

Prime Contractors and MBE/DBE subcontractors are urged to attend and participate.

**Moderator:** Gary Counts

**Speaker(s)**

**James McNelis**

Jim McNelis is the Vice President of the Joseph B. Fay Company. He is responsible for the development and operation of heavy, highway and bridge construction projects in the Mid-Atlantic Region. Jim is a graduate of Penn State University with a BS in Civil Engineering. He is active in numerous related industry associations and unions and holds many board and advisory positions. He has testified before Maryland legislative committees. Jim has consulted on various MDOT MBE issues with the MDOT Secretary and staff.

**Joe Trapani**

Joseph V. Trapani is a Division Manager for La Plata based Facchina Construction Co. He is charge of their BWI branch office which serves the metropolitan Baltimore area. He has a BSCE from Johns Hopkins and forty years experience in local, state, and federal contracting, with expertise in heavy/highway and infrastructure construction.

Mr. Trapani has served on numerous committees with the MTBMA including several dealing with MBE/DBE issues. He has served on the Governor’s Commission on MBE Reform, consulted on several MBE issues with MDOT Secretary Beverly Swaim-Staley, and is currently on SHA’s DBE advisory group. Facchina Construction Co. has been very active trying to resolve MBE issues. They were the first recipient of the SHA Administrator’s Award for supporting the DBE/MBE program.

**Mike Filipczak**

Michael Filipczak, is President and CEO of Midasco, LLC, a specialty transportation contractor operating in the Mid-Atlantic and Southeastern States. Midasco specializes in signage, lighting, traffic signals and intelligent transportation systems (ITS) for highways and airports. Michael, a Professional Engineer, has twenty five years of experience in construction.
He spent ten years working for the prominent heavy civil and highway contractors, McLean Contracting Company and Cianbro Corporation in various estimating and project management roles. In his fifteen years with Midasco, Michael has been instrumental in building the business volume and in starting the Company’s traffic signal and ITS operations. Michael is a 1986 graduate of Penn State University and lives in Granite, Maryland with his wife and three boys, ages 15, 15 and 17. Michael is active in leadership positions with the Boy Scouts of America, MTBMA and the Young President’s Organization. In his spare time he likes to bicycle, mountain bike, lift weights and participate in other fitness activities.

Karen Tisdale

Karen Tisdale is the president of Fallsway Construction Company, LLC, a minority women-owned construction firm based in Baltimore, Maryland. Mrs. Tisdale is a graduate of Villa Julie College, now Stevenson University, with a Bachelor of Science degree. Mrs. Tisdale is from a family of construction entrepreneurs and has been in the construction industry for over 20 years. After working for a major corporation for 14 years, Mrs. Tisdale decided to resign in order to continue growing Fallsway full-time. Fallsway is minority women-owned business certified on the local, state and federal government levels including Baltimore City M/WBE Certified & Prequalified, MDOT (MBE/WBE/DBE), HubZone, SBA 8(a), SDB, WOSB, SDB, SBA, SBC.

Barbara Kight

President-PDI-Sheetz Construction Corp. A Highway Contractor with bridge building experience specializing in structure rehabilitation, piling, sheeting, shoring and guardrail.

President-The New Barbet II Corporation, a construction material supplier specializing in cementations products, caulking, grouts, epoxy adhesives and expansion joint systems.

In July 2009 stated New Venture – Maxmore-Hill Restoration, Inc. specializing in concrete and masonry restoration with a primary focus toward historic structures.

Marnie Beier

Marnie Beier is President of GUARDRAILS, etc., Inc. in Baltimore.

Marnie has grown up in the business. Guardrails, etc., Inc. has been a Certified WBE since 1982 when her mother, Sheila Hoffman founded the company. Marnie started in the 1980’s working as a receptionist and typing proposals. She moved into estimating and operations with responsibilities in scheduling and dispatching of crews. Later she worked her way though each discipline of the company such as collections, corporate banking, bonding, and hiring and overall company management. She accepted the office of President in 2006.
Surviving the SWM Act of 2007

In a panel discussion, SHA will present a brief overview of the Act and how it relates to Highway application in planning, design, construction and maintenance. SHA will provide its project delivery process plan and present tools developed for computational assistance. Additionally, case studies will be presented and discussion will follow. This will be an open forum discussion to allow more time for questions, answers, feedback and ideas.

Moderator: Karuna Pujara

Speaker(s)

Karuna Pujara, P.E.

Karuna Pujara, P.E., is Division Chief of Highway Hydraulics Division and has been with the Maryland State Highway Administration’s Highway Hydraulics Division for nearly 17 years. Her expertise is focused on Hydraulics/Hydrology, drainage, Water Quality, NPDES, Stream Restoration, Stormwater Management, and Erosion and Sediment Control. She leads SHA in regards to application for Stormwater and Sediment Control design and permitting.

Steve Buckley

Steve Buckley is Assistant Division Chief of Highway Hydraulics Division and has been with the Maryland State Highway Administration’s Highway Hydraulics Division for nearly 32 years. His expertise is focused on Hydraulics/Hydrology, drainage, Stormwater Management, Erosion and Sediment Control. Mr. Buckley has been a lead staff developing drainage guidelines, standard specifications, standards for Stormwater facilities designs, and developing policy for the pipe material selection guidelines. He will bring his knowledge of new stormwater regulations and provide overview of how it will affect many of highway projects.

Christie L. Minami, P.E.

Christie L. Minami, P.E., has been an engineer with the Maryland State Highway Administration’s Highway Hydraulics Division for nearly 10 years. She has an extensive background in bioretention and other low-impact development techniques, and continues to be involved with SHA-sponsored water quality research. She has been instrumental in the development of standards and specifications for innovative stormwater management techniques used by SHA. Through a grant sponsored by the U.S. Environmental Protection Agency, and as part of the Green Highways Partnership, she is also leading the development of a framework for implementing a watershed-driven approach to stormwater management. Christie has a B.S. in Environmental Engineering from the University of Maryland College Park (1999), and has co-authored several articles on bioretention.
Glen Helms, P.E.

Glen Helms P.E. is a senior design engineer with the Maryland State Highway Administration’s Highway Hydraulics Division for nearly 24 years. He is a graduate of Old Dominion University. His expertise is focused on hydraulics/hydrology, drainage, Stormwater Management, Erosion and Sediment Control. In addition to supporting major highway projects in these areas, he is a primary hydraulics liaison for majority of Projects in planning process. Glen serves on the core team developing standards and specification for SWM facilities for SHA. He will bring his knowledge of new regulations and how it will affect many of highway retrofit projects with a case study on a Streetscape type project.

Cornelius Barmer

Cornelius Barmer has over 10 years experience in the engineering and construction industry. He is currently employed with the Maryland State Highway Administration (SHA), Highway Hydraulics Division. His current duties involve assisting in the administration of remediation and retrofit activities of stormwater facilities within the SHA Right-of Way. He also provides design support to highway improvement projects including resolution of drainage challenges. Cornelius manages the compliance evaluation and development of various hydraulic softwares and technologies. Mr. Barmer is a graduate of the Morgan State University School of Engineering.
Accommodating ADA in Transportation Construction

During this session we will revisit the SHA requirements for accommodating bicycles, pedestrians and persons with disabilities through the work zone as well as what is required to achieve acceptance of completed contract work. We will explore what has worked, what has not worked and what can be done to achieve the goal of safe accommodation and quality construction.

The panel will include SHA construction personnel and contractors who will share their challenges and success stories in accommodating other forms of transportation and those with physical challenges through the Work Zone.

Moderator: Frank Waesche

Speaker(s)

Rick Cochran

After completing high school, Rick entered into the US Navy as an aviation structural mechanic in a CH-46 Helicopter Squadron. He served 4 years active duty. After his return to Maryland, he began to work in residential construction; a field he worked in for two years. After being employed in the residential construction field, Rick moved over to work in Highway Construction where he worked his way up the ranks. He started out working as a laborer and ended as a superintendent.

The opportunity presented itself and Rick obtained a position in Project Management and Inspection with KCI Technologies. He served as a project manager with a nationwide Fiber-optic installation company (Kiewit/KCI venture). Rick then moved to an inspection contract with the State Highway Administration as assistant project engineer for the MD 140 @ I-695 Interchange Reconstruction project in Pikesville.

In March 2006, Rick started his career as a State Highway Construction Inspection employee, and was immediately given a contract to demo and reconstruct a bridge on MD 136 over James Run in Harford County where that project was completed on time and under budget. Rick later moved to MD 24 for the Design Build Main Street Streetscape. He managed this sensitive project in the town of Bel Air for 16 months.

Now Rick serves as an Area Engineer for the District 4 construction office overseeing construction contracts in Baltimore and Harford Counties.
I-95 ETL Status & Lessons Learned

The I-95 Express Toll LanesSM (ETLsSM) Project is into its fourth year of construction. Major activities include the roadway widening and shift at the I-95/I-895 split to accommodate the general purpose (GP) lanes, and major ramp and mainline bridge construction at the I-95/I-695 interchange. The new mainline bridge structure carrying I-895 NB over I-95 was opened to traffic last fall.

The I-95/I-695 interchange has included construction of eight new GP ramps, the last of which opened in August, 2008. The new ramp configurations have changed how motorists travel through the interchange. GP traffic now enters and exits the interstate roadways from the right, using highway-speed directional ramps, which result in increased safety and more efficient traffic operation. Four of the ramps are large flyover structures and required a significant change in the traffic pattern. In September, 2008, the I-95 GP northbound bridge opened, with the southbound bridge set to open in December. North of I-695, paving and concrete barrier construction are almost complete with GP traffic shifted, which will allow for future ETLs to travel on the median side of I-95.

Progress will continue on the project in the upcoming construction seasons, with improvements at MD 43, and the opening of ETLs.

This presentation will focus on the status of the I-95 ETLs, the lessons learned, and what the future holds for this high-profile project.

Speaker

Dave LaBella, P.E.

David LaBella is the Project Manager of the I-95 Express Toll LanesSM (ETLsSM) Project for the Maryland Transportation Authority. Dave oversees the General Engineering Consultant as well as all design and construction operations of the project. He also assists in the management of numerous high priority System Preservation projects in the Authority’s Office of Engineering and Construction. Dave has been with the Authority for 12 years. Prior to managing the ETLs Project, he was the Manager of the Structures section at the Authority, which included all projects relating to bridge/structures design and rehabilitation, in addition to an aggressive paint program for the Authority’s structures. Dave began his career working for 11 years at the Maryland State Highway Administration as a Senior Project Team Leader in the Bridge Inspection and Remedial Engineering Division.

Dave graduated from Clarkson University in 1987 with a Bachelor of Science degree in Civil and Environmental Engineering. He is a licensed Professional Engineer in Maryland and Delaware and an active member of the American Society of Civil Engineers and the Maryland Association of Engineers.
Day 2: OPENING SESSION

Transportation Secretary
Beverley K. Swaim-Staley

Biography

Governor Martin O’Malley appointed Beverley K. Swaim-Staley as Secretary of the Maryland Department of Transportation (MDOT) in September 2009. As Secretary, Ms. Swaim-Staley oversees the Maryland Department of Transportation, which includes five modal administrations with 9,000 employees and a $3.8 billion annual budget, and the Maryland Transportation Authority. The Secretary is responsible for the operations of the Maryland State Highway Administration, the Maryland Transit Administration, the Motor Vehicle Administration, the Maryland Port Administration, and the Maryland Aviation Administration. Ms. Swaim-Staley also serves as Chairman of the Maryland Transportation Authority, Chairman of the Maryland Port Commission and Chairman of the Maryland Aviation Commission.

Prior to assuming the position of Secretary, Ms. Swaim-Staley served as Deputy Secretary of MDOT. She was appointed to the position by Governor O’Malley in January 2007. With the appointment, Ms. Swaim-Staley returned to the position of Deputy Secretary that she held from 1999 through 2003. During that time, she was Chief Operating Officer for the Department and spent considerable time at both the Maryland Transit Administration and the Maryland Aviation Administration helping manage day-to-day operations.

Prior to her work as Deputy Secretary, she headed up MDOT’s Finance Office and, earlier in her career; she served as a financial analyst in the Maryland General Assembly. She received her Bachelors in Political Science and her Masters in Contemporary Government from Hood College in Frederick.
On July 8, 2009, Gregory G. Nadeau became the 19th Federal Highway Deputy Administrator.

Since 2003, Deputy Administrator Nadeau served as the Maine Department of Transportation's (MaineDOT) Deputy Commissioner for Policy, Planning and Communication under the administration of Governor John E. Baldacci. In this role, he was responsible for state and federal governmental affairs, statewide transportation system planning, communications, freight and business services, and passenger transportation. Among Maine DOT’s accomplishments during his tenure were the development of an integrated approach to transportation system planning, the publication of “Connecting Maine,” the department’s statewide multi-modal long-range transportation plan, and the Northeast CanAM Connections Study, a regional economic analysis of east-west transportation access from Eastern Canada to New York State administered by Maine DOT. As Deputy Commissioner, he advocated and lead efforts to approach transportation planning on a systems basis utilizing the capacity of all modes, and minimizing impact on communities and the environment through regional and community based planning.

Mr. Nadeau served as Maine DOT’s liaison to Maine’s congressional delegation, and was involved in numerous statewide economic development initiatives throughout his state service. He also served on the Maine Turnpike Authority’s Board of Directors from 2002 to 2009.

Mr. Nadeau served as Senior Policy Advisor to Governor Angus King from 1995 to 2002, responsible for a number of policy areas including: transportation, economic development, energy and utilities, environmental protection and labor, to name a few.

From 1978 to 1990, Mr. Nadeau represented Lewiston in the Maine House of Representatives. During his tenure, he served on numerous special and standing committees including: the Standing Committees on Transportation, Appropriations and Financial Affairs, as well as House Chair of Housing and Economic Development (now known as Business, Research and Economic Development).
Day 2 TECHNICAL SESSIONS AM

ICC Contract A Opens Fall 2010 – Status Update and Lessons Learned

The ICC project more than $1.5 billion of mainline ICC projects under construction and $20M of stewardship projects under contract or completed; with about 1 year before ribbon cutting on Contract A and 2 years before ribbon cutting on Contracts B and C. This session will provide a comprehensive status update of the on-schedule/on-budget ICC mega-project, including its aggressive environmental program, traffic management, community outreach, DBE outreach, as well as highlight key lessons learned.

Speaker  Melinda B. Peters, P.E.

Melinda B. Peters, P.E.

Melinda B. Peters, P.E. is the Project Director for the Intercounty Connector project, responsible for delivering the $2.5 billion program. Ms. Peters graduated from Virginia Tech with a Bachelor of Science degree in Civil Engineering, concentrating in Transportation. Ms. Peters has worked for Maryland State Highway Administration for over 13 years. During that time, she completed a Masters of Business Administration degree at Mount Saint Mary’s College, and is a licensed as a registered professional engineer in the State of Maryland. Her project design/management experience includes the many projects in Maryland such as the interchange reconfiguration at I-270 and MD 124, design of the MD 124 Corridor project, and the approximately ten mile US 29 Corridor in Montgomery County, encompassing a total of nine interchanges between Stewart Lane and the Howard County Line.
“Greening” of the Standard Specifications for Construction and Materials –
“Updated, Changes and Strategies”

SHA will present a brief overview of recent updates, and changes to the Standard Specifications for Construction and Materials related to “Green” construction practices such as recycling, alternative construction and recycled materials, and equipment fuel efficiency and idling. This will also include SHA’s goals and strategies for this effort. An open forum to discuss unresolved issues and get feedback from industry will wrap up the session.

Moderator: Jason Ridgway

Speaker(s)

Jason Ridgway

Jason Ridgway is the Chief of the Design Technical Services Division within the Office of Highway Development at SHA. The primary mission of the Design Technical Services Division (DTSD) is to set policy and provide design guidance to all of SHA and local MD governments on highway development. In support of that effort, DTSD maintains SHA’s standards and specifications. Construction contracts for many divisions and districts are also advertised for bids by DTSD. Jason has a B.S. in Civil Engineering from Syracuse University and is a registered Professional Engineer in the State of Maryland. He has been working for the Maryland State Highway Administration for over 10 years. Jason’s previous work focus was in hydraulics and engineering; particularly in open channel and stream stabilization as well as project management. He has led the design, construction and monitoring of several stream stabilization projects for SHA, and currently sponsors the “Green” Specifications Team.

Al Jacobs

Al Jacobs is a member of the Standards and Specification Team in the Design Technical Services Division. He is also the Specification Engineer for the Office of Highway Development and serves as the Chairperson for the Clearinghouse Committee that services all of SHA. He has been with the Administration for 23 years. He has 14 years experience as a designer and manager in the Highway Design Division working on various projects from streetscape to major highway projects. He spent 6 years as a manager in the Office of Environmental Design on the Noise Abatement Team and has spent the last 3 years as the Specifications Engineer. In his role as the Specification Engineer Al also coordinates the “Green” Specifications Team.
Automated Speed Enforcement in Work Zones (It’s NOT about the money...really!!)

Geared toward providing information regarding the Maryland SHA's automated speed enforcement (ASE) program, this session provides participants with a short background discussion of the law that initiated this effort, the SHA policy regarding the use of ASEs, current projects on which the ASEs are deployed, and challenges and success stories related to the program.

**Moderator:** Eric Tabacek

**Speaker(s)**

**Michael L. Paylor, P.E.**

Michael L. Paylor, P.E. possesses 18 years of experience in transportation and traffic engineering and is a Team Leader for the Traffic Development and Support Division of the Maryland State Highway Administration’s Office of Traffic and Safety in Hanover, Maryland. For the past two years, he has been directing work zone policy management and guideline development, in accordance with the SHA’s Safety and Mobility Plan. Mr. Paylor oversees work zone standard and specification development, as well as the work zone Traffic Control Traffic Manager’s Course. In addition, he is a member of the team currently implementing the SHA/Maryland State Police work zone automated speed enforcement (ASE) program. Mr. Paylor obtained a bachelor’s degree in Civil Engineering from Morgan State University in 1991.

**Heather Henck, P.E.**

Heather Henck, P.E., PTOE is a Project Engineer in the traffic department at RK&K Engineers in Baltimore, MD. For the past 3 ½ years, she has been working as an on-site consultant for Maryland State Highway Administration in the Traffic Development and Support Division. Ms. Henck assisted in the development of SHA’s Work Zone Safety and Mobility Business Plan and played an integral role in developing policies, procedures and guidance documents for SHA in their efforts to obtain compliance with FHWA’s Rule on Work Zone Safety and Mobility and Rule on Temporary Traffic Control Devices. Her other work zone related experience includes educational outreach, the development of work zone safety brochures, and traffic impact analyses. She holds a bachelor’s degree in Civil Engineering from the University of Delaware and masters degree in Civil Engineering from the Georgia Institute of Technology.
Jawad N. Paracha, P.E., P.T.O.E.

Jawad Paracha is currently working as Assistant Division Chief at the Office of Traffic and Safety, Maryland State Highway Administration. His responsibilities include managing programs related to work zone traffic control safety and mobility, pedestrian/bicycle safety and special events, railroad crossings, crash analysis, and research projects with University of Maryland.

Jawad received his Bachelor of Science degree in Civil Engineering in 1994, and graduated with a Masters in Transportation Engineering & Planning from University of Maryland at College Park.
Building our Employee Farm System – School Outreach Success & Your Involvement

Hear about the successful program we've established to promote civil engineering and highway construction with Maryland schools. Find out how you and your organization can participate in these efforts, and benefit from them, and how we plan to monitor the success of this effort. While you may not be hiring today, this effort is intended to provide both short-term and long-term benefits for the industry as a whole. Your involvement will ensure a sustainable outreach program, and allow us to attract MD's brightest young people!

Moderator: Barry Catterton

Speaker(s)

Barry Catterton

Barry Catterton is a Division Chief with SHA's Office of Materials and Technology. He also serves on the MdQI Steering Team and as a Co-Chair for the MdQI Training and Recruitment Subcommittee. The subcommittee formed the MD Highway Construction and Engineering Career Day program, as well as the Civil Engineering Outreach program. Six career day events have been held throughout the state, attracting approximately 4,000 students. The Engineering Outreach program has been presented for several years at middle and high schools throughout the state, and is a component of the career day event as well. Most recently, the outreach program was presented in Anne Arundel County at an annual event that attracted 300 high school students. Preliminary plans are underway for MD's 7th career day event, this time in Frederick, and it is likely to be held in October of 2010. Barry has a Bachelor's degree in Management and is a graduate of SHA's Advanced Leadership program.

Michele Devine

Michele Devine has been a teacher in the AACPS School system for 12 years. The first ten years were spent in the classroom as a Business Education teacher were she worked to bring the curriculum alive for the students with hands-on projects, guest speakers and relevant field trips. She was also the Director of the NAF Academy of Information Technology. Michele is currently the Signature Program Facilitator at Chesapeake High School in which she works with the school and business communities as well as higher education to identify a career focused Signature for Chesapeake. She is responsible for creating and maintaining business partnerships in order to increase student achievement and prepare students for post high school educational opportunities. In addition to her current responsibilities, Mrs. Devine is also the school sponsor for the FIRST Robotics Team. This team is in its third year and has done remarkably well for being such a young team.
Jacqueline Dunn

This is Jacqueline’s 25th year of teaching with Anne Arundel County Public Schools. Her current position is Signature Program Facilitator in which she works with the school and business communities as well as higher education to identify a career focused Signature at the school. She is responsible for creating and maintaining business partnerships in order to increase student achievement and prepare students for post high school educational opportunities and operates the College Career Center for the school. She works with students, school staff and business and community partners to create opportunities for students to learn about careers so they can make informed decisions about college and career choices. Jacqueline has been the Pasadena Business Association Education Committee Chairperson since 2005. This committee serves as the business advisory board for 15 public and private schools in Pasadena. The mission of this committee in partnership with the local business community is to support the cluster goal of increasing the number of students accessing post-secondary education.
Electronic Bidding

SHA will present a status update on the recently completed testing and evaluation of electronic bidding using the Bid Express bidding system, and the remaining steps required before electronic bidding can be moved into the production phase. SHA would also like to discuss specific strategies and solicit feedback from the contracting community on phasing in implementation after all necessary approvals have been attained.

Moderator: Norie Calvert

Speaker(s)

Norie A. Calvert, P.E.

Norie currently holds the position as Deputy Director in the Office of Highway Development where she is responsible for overseeing specific areas of engineering, project management and technical expertise for the Office. She holds a Bachelor of Science Degree from Morgan State University, and graduated from the University of Baltimore with a Juris Doctorate Degree. She is a licensed Professional Engineer in the State of Maryland, and has worked for the Maryland State Highway Administration’s Office of Highway Development for over 26 years. She has been a long time proponent of implementing electronic bidding at SHA, and has worked closely with the MTBMA and the contracting community for years in moving forward with this initiative.

Andrea C. Spriggs

Andrea has 22 years of experience working at a wide variety of engineering positions with the Maryland State Highway Administration. Her responsibilities have included design, project management and approval and advertisement of contract documents. She has participated in the development and implementation of many computer applications, and has been instrumental in SHA’s efforts to implement the Bid Express online bidding service, supervising the evaluation, testing, training for both SHA staff and the private sector.
DAY 2: LUNCH ACTIVITIES

Dan Cheng
MdQI Steering Committee Co-Chair

Daniel T. Cheng, P.E. is an Executive Vice President at Johnson, Mirmiran & Thompson (JMT) which is headquartered in Sparks, Maryland. He is one of the Board of Directors of this multi-disciplined architectural, engineering and technology firm which has over 700 employees in the Eastern US. Dan is involved in the operations, strategic planning and growth of JMT’s 17 offices.

Dan has over 38 years experience in the planning, design and management of transportation improvements. Some notable projects in the region include the I-695 Baltimore Beltway widening, SR-1 Odessa Bypass in Delaware, the I-95/I-495/I-295 interchange as part of the Woodrow Wilson Bridge Replacement Project and the Double Tracking of the Baltimore Light Rail System. He is a Registered Professional Engineer in MD, VA, DE, PA, OH & FLA.

Dan is very active and participates in many professional associations, promoting engineering in the region. Dan is the past President of the American Council of Engineering Companies/Maryland (ACEC/MD), the Maryland Section of the American Society of Civil Engineers (ASCE) and the Maryland Association of Engineers (MAE). He currently serves as 1st Vice President for the Engineering Society of Baltimore.

He is a strong advocate of quality in planning, design and construction of highways in Maryland, and serves as Co-Chair of the Maryland Quality Initiative (MdQI) which involves 9 sponsors including government agencies, consultants, contractors and suppliers. A graduate of the University of Maryland-College Park in 1972 with a Bachelor’s of Science in Civil Engineering, he continued at the University of Maryland to earn his Masters of Science in Civil Engineering in 1978, specializing in Transportation and Urban Planning.
No one can move an audience the way that Donna Tyson can. Donna’s unique style has been described as a cross between a preacher, a politician, and a comedian. Donna leaves her audiences spellbound as she weaves her stories of empowerment. She draws on her experiences as a former television and radio talk show host, successful business owner, community leader and mother of three grown children for her lessons. Her many clients include the CIA, FBI, Departments of Transportation and Education, Society of Human Resource Management, Mayo Clinic, Bell Atlantic, and the American Red Cross. She was named one of SHRM’s Top 10 highest rated speakers and has shared the program with Dr. Robert Schuller, Norman Schwarzkopf, and Rosita Perez. Donna was voted 2008 Best of the Beach Inspirational Speaker by the Myrtle Beach Herald. She is a regular featured writer on work/life balance issues in the Carolina Woman Magazine and has designed and taught certification classes for the Myrtle Beach Hospitality Association on “Outstanding Customer Service” and “Management to Leadership”. Donna now travels the country as a full time motivational speaker while promoting her first children’s book on pride and self esteem entitled “The Red Bow”. After enjoying 11 years living by the ocean in Surfside Beach, SC, Donna has now returned to Virginia to enjoy her new chapter as the proud grandmother of Ms. Lila Kieran Farmer, born October 20, 2009!
DAY 2 TECHNICAL SESSIONS PM

ICC Design Coordination Lessons Learned

What are the roles of the Owner, Designer and Contractor? How did the Intercounty Connector benefit as a result of the Design Build process? What could they have done differently or better? What worked? What didn’t? These questions will be discussed by a panel of engineers with major roles in the design of the ICC has been selected including: Robert Ostermiller (RKK) from the GEC; Dave Mahoney (Dewberry) designer from the ICC Contract C; and Phil Sheridan (Clark Foundations) contractor ICC Contract C. They will take a critical look at the lessons learned from the Design-Build process implemented on the ICC contracts. Topics will include design review process, coordination with utility companies and permitting agencies, right of way and constructability.

Moderator: Kevin Kreis

Speaker(s)

Kevin Kreis, P.E., CCS

Kevin Kreis is the Quality Control Materials Engineer for The ICC, Contract C. Over the past 12 years, Mr. Kreis has served on the MdQI Steering Committee and has chair several subcommittees. He has 32 years of design and construction experience in the Mid Atlantic Region. He has successfully managed staffs of over to 120 Construction Inspectors on highway, utility and buildings projects. He is a licensed professional engineer in 10 states and the District of Columbia. Mr. Kreis has a BS in Civil Engineering, a Masters in Business Administration and is a Certified Construction Specified.

Robert Ostermiller

Robert Ostermiller is the Program Manager for the Maryland’s Intercounty Connector Project here in Maryland. He has 25 years of experience in project and program management. Prior to his current assignment, he was Project Manager for the General Engineering Consultant on the $1.7 billion multi-modal T-REX Project in Denver, Colorado. He provided project management services for a total of six years on the $450 million North I-25 Corridor Project and the $500 million I-70 Glenwood Canyon Project. In addition to these assignments in United States, he has worked for nine years in the Middle East and Asia, including three years with the Asian Development Bank (ADB).
Philip J. Sheridan, P.E., DBIA

Phil Sheridan brings with him over 25 years of design and construction experience. He is currently the Design and Construction Coordination Manager for the ICC, Contract C. He has been instrumental in the delivery of numerous infrastructure projects throughout the Washington DC area since transferring here in 2001 with Clark Foundations/Civil, LLC. His clients have included WMATA, MWAA, MTA and MSHA on projects ranging in size from $10M to over $500M. He is a licensed P.E in MD and MA as well as a DBIA Designated Professional.

Dave Mahoney, P.E.

Dave Mahoney has over 25 years of design experience. He is currently the Design Manager for the ICC Contract C project. He has been the design manager on numerous Design/Build projects over the last ten years, including a ten interchange, $400M D/B PPTA project. These projects total over $1B. He is a licensed P.E. in VA, MD, DC, and DE.
Context Sensitive- The Pillar of Sustainable Highways

The principles and practices of Context Sensitive Solutions (CSS) are transforming the way highway departments expect projects to be developed, delivered and managed. CSS principles have evolved over time, and have been applied successfully in a wide variety of cases. This session will explore what CSS is all about, how it is different from typical project delivery processes and how it is applied in practice. The concept of “sustainable highways” and environmental stewardship, which provide the philosophical basis for CSS will be presented and discussed. Examples from State DOTs are presented demonstrating the application of CSS principles and practices. Important relationships with land planning and value engineering are explored. The goal of this session is to dispel the conventional notion that highways are inevitably an obstacle to sustainability. Opportunities are identified for CSS practices that can support sustainability goals, while recognizing that highway projects aim to achieve key functionality objectives for improving safety, service levels, and structural adequacy.

**Moderator:** Marsha Kaiser

**Speaker(s)** Marsha Kaiser

Marsha Kaiser is a Vice President and Managing Principal of Parsons Brinckerhoff’s PlaceMaking Group and additionally serves as the Leader of its Urban Planning & Policy Practice. She has a broad-based background in all aspects of transportation/land use planning and financing, and specializes in the development and implementation of complex, public-sector programs that involve technical analysis, policy guidance, and building collaborative partnerships.

Prior to joining PB, Ms. Kaiser served as Director of the Maryland Department of Transportation’s (MDOT) Office of Planning and Capital Programming, and played a key role in every major transportation investment in the Washington, D.C. and Baltimore regions, including related land use, environmental, and economic impact analysis. As MDOT’s representative to the Governor’s Smart Growth Coordinating Committee, she was involved in collaborative partnerships aimed at creating livable communities and sustainable development through directed state resources. She also served with the Pennsylvania Department of Transportation for 12 years in various capacities.
Highway Construction Staging (Paper Plans meet Reality – Things Designers Should Know)

This session will review the issues that had to be considered during the major phase changes within the work zones along the MDTA’s Section 100 project of I-95. The presenters will provide their experiences from developing design plans on paper and the issues that had to be dealt with to implement the changes in the field.

Moderator: Roxane Y. Mukai

Speaker(s)

Roxane Y. Mukai, P.E., P.T.O.E.

Roxane Y. Mukai, P.E., P.T.O.E. Traffic Manager of the Maryland Transportation Authority, Office of Engineering and Construction

A graduate of Carnegie-Mellon University in Pittsburgh, PA, Ms. Mukai has spent the last 20 years learning about traffic safety within the surface transportation industry as a design engineering consultant and than as an owner/operator’s representative. Ms. Mukai is currently the Maryland Transportation Authority’s, Office of Engineering and Construction Traffic Manager.

Todd Becker, P.E.

Vice-President / Operations G.A. & F.C. Wagman, Inc.

Todd graduated from Lafayette College in 1985 with a B.S. in Civil Engineering. He joined IA Construction Corporation after graduation and worked his way up to the position of Regional Manager of the Structures Division. He has served as a board member of the Contractors Association of Eastern Pennsylvania. He joined Wagman as Vice-President of Operations in 2003 and currently holds that position. He is an active committee member for the Maryland Transportation Builders and Materials Association and the Associated Pennsylvania Constructors. He is a Registered Professional Engineer in Pennsylvania. Todd has worked on notable projects such as the Susquehanna River Segmental Bridge near Harrisburg, Pennsylvania Turnpike 6 lane widening, the Tacony-Palmyra Bridge Rehabilitation and Schuylkill Expressway Reconstruction in Philadelphia, the Woodrow Wilson Bridge and Intercounty Connector Programs near Washington D.C. along with the I95/I695 Interchange near Baltimore. Currently Todd resides in Manchester Township near York, PA with wife Theresa and 10 year old son Trace. He enjoys all sports and is an active coach and board member for youth basketball and soccer.
Utility Football – Game Plan, Handoff and Touchdown

The Utility Football Workshop tackles the perceived recurring issues of managing Utility Relocations on highway construction projects. A panel of Utility Relocation Experts will coach attendees regarding the existing Utility Game Plan from the points of view of the Owner/Design Consultant, Utility Company and Contracting Company.

Attendees will gain invaluable insight into the existing Highway Design Game Plan (process) for managing utility relocations at the design level. In addition they will acquire a wide-range of information for how to control the Hand-Off of pre-planned utility relocation work from the Design Stage to the Construction Stage. Participants will further learn how to employ the Partnering Process to better understand and communicate Utility Relocation requirements and issues in a timely, well-organized manner. At the end of the day attendees will better understand what it takes to score a Utility Football Touchdown by being prepared to successfully complete utility relocations as scheduled, and within the project’s specifications.

**Moderator:** Bridgid Seering

**Speaker(s)**

**Fred Valente**

Fred has a BS in Civil Engineering from Johns Hopkins Evening University and a BA in Environmental Management from the University of Maryland. Fred has over 40 years of well rounded construction and engineering experience from the viewpoint of owners, consultants, contractors and private sectors. He has worked for many construction contractors, serving as Senior Project Manager of many bridges, subway stations, tunnels, heavy highways utilities and building sites. Fred has worked for BGE managing the Fly Ash program, Gas/Electric/Verizon Miss Utility operations and New Business Underground Construction. He has also worked for many consulting engineering firms as Project Engineer, Area Engineer and CMI Supervisor. Fred is currently Area Engineer for MDTA’s GEC, Segment 1 of the I-95 ETL mega-project. Fred is a member of the MdQI Partnering Subcommittee.

**Christopher Clark**

Chris Clark joined Corman Construction's ranks in 2004 with a BS in Construction Management from Ohio State University. Since then, Chris has spent the majority of his time managing two large SHA design build projects, MD 216 project and the Hampstead Bypass. Chris became a leader of partnering on both of these projects and found himself directly on the receiver side of the “800" information number. The MD 216 project was a recipient of the MDQI partnering award.
**John Nesbitt**

John started his career with SHA in 1987 as Engineering Technician I in the Construction Inspection Division where he progressed to the level of Engineering Technician IV in 1993. In February of 1997, he accepted an Acting Transportation Engineer II position in District Four Traffic Engineering Department. This rotation allowed him to gain knowledge of other departments within SHA and gain knowledge of basic Traffic Engineering practices and procedures. In July of 1998, he accepted an Acting Assistant Utility Engineer position were he eventually became permanent in February of 2000.

The Utility Section of District Seven became his training ground for learning fundamental practices of the three C’s (communication, cooperation, and coordination), were he established excellent working relationships with several Utility Companies over a 7 1/2 year period. John transferred to District Three in April of 2005 to further his career goals and expand on meeting more Utility Companies and handling large and more complex Utility Relocation projects. In January of 2006, he accepted a promotion to area wide Utility Engineer in the Baltimore Office of SHA, where he remains today providing technical support to three Highway Districts (D-2, D-3 & D-5).

John graduated from Eastern Senior High School in June of 1986 and attended Bowie State University for three years. Over several years he received the Master Engineers Technician certificate for being NICET certified in Highway Construction (subfield). He completed the Advanced Leadership program in October of 2002 and the LEAD program in September of 2003. John has completed many transportation courses in Construction; Traffic & Utilities, which has helped make him a very well rounded employee.

**Rick Cochran**

After completing high school, Rick entered into the US Navy as an aviation structural mechanic in a CH-46 Helicopter Squadron. He served 4 years active duty. After his return to Maryland, he began to work in residential construction; a field he worked in for two years. After being employed in the residential construction field, Rick moved over to work in Highway Construction where he worked his way up the ranks.

The opportunity presented itself and Rick obtained a position in Project Management and Inspection with KCI Technologies. He served as a project manager with a nationwide Fiber-optic installation company (Kiewit/KCI venture). Rick then moved to an inspection contract with the State Highway Administration as assistant project engineer for the MD 140 @ I-695 Interchange Reconstruction project in Pikesville.

In March 2006, Rick started his career as a State Highway Construction Inspection employee, and was immediately given a contract to demo and reconstruct a bridge on MD 136 over James Run in Harford County where that project was completed on time and under budget. Rick later moved to MD 24 for the Design Build Main Street Streetscape. He managed this sensitive project in the town of Bel-Air for 16 months. Now Rick serves as an Area Engineer for
the District 4 construction office overseeing construction contracts in Baltimore and Harford Counties.

**RJ Marshall**

RJ Marshall, BGE Senior Project Manager has over 40 years of service with BGE, with the last 20 years dedicated to electric utility relocations associated with Capital Road Projects for all of the governmental agencies within BGE’s service territory. He acquired his B.S. degree in Business Administration from the University of Baltimore in 2006. He has managed the electric utility relocations for many major road projects over the years including; the I-95 widening for new express toll lanes, the Hampstead Bypass, the ICC, numerous bridge replacements, and countless road and bridge projects for Baltimore City and the surrounding counties.

**Andrea Abend**

Andrea Abend has 20 years in with the Maryland State Highway Administration. She attended night school while working for SHA and graduated in 1999 with an AA degree in Construction Technology. She has 5 Years experience working at SHA District 7 as the District Utility Engineer. She worked SHA Office of Highway Development, Engineering Access Permits Division-Area Engineer (Allegheny and Washington Counties; Frederick County) for 8 years, 3 Years with District 7 Utility Section as Utility Permit Inspector (Howard; Frederick), 2 Years with Office of Construction as Construction Inspector on the US 29 and Brokenland Parkway Interchange Project, 1 Year with Office of Construction District 7 Survey Crew and 1 Year with Office of Construction Headquarters.
Roadway Safety Audits (Teamwork at its best!)

RSA is a formal safety performance examination of an existing or future road or intersection by an independent audit team. In this session we will provide an update on SHA’s effort, number of RSA performed to date, and schedule for the coming years. Also in this session we will discuss funding issues, local government and law enforcement involvement, tracking RSA suggestions, and implementation of the suggestions.

Moderator: Morteza Tadayon

Speaker(s)

Morteza Tadayon

Morteza Tadayon has been with the Maryland State Highway Administration (SHA) for the past 23 years. He has spent most of his career as a Transportation Engineer with the Office of Traffic and Safety (OOTS) and since July 2006, he has been leading the SHA’s Travel Forecasting and Analysis Division, Office of Planning and Preliminary Engineering (OPPE). Morteza is co-coordinator for the State of Maryland’s Road Safety Audit (RSA) Program and his goal is to include RSA as part of all SHA’s major projects.

Erin S. Kuhn

Erin S. Kuhn has a degree in civil engineering from the University of Delaware and is a licensed professional engineer. She has been working for the Maryland State Highway Administration (SHA) since 1993. Her first four years were spent at the Office of Traffic & Safety developing signing and marking plans. Since then, she has been working in the District 4 Traffic Division. Ms. Kuhn is currently the Assistant District Engineer for Traffic at District 4. She is responsible for managing the district’s highway safety program to reduce crashes and traffic congestion on the 2,240 lane miles of state highways in Baltimore and Harford counties, by analyzing problem areas and implementing safety countermeasures.
ICC Construction Quality Control Lessons Learned

A panel of construction specialist with major roles on the ICC Project has been selected. It includes Mark Coblentz, SHA’s ICC; Rocky Goocharan, SHA’s OMT; Bob Sebastian, Construction Quality Control, ICC Contract C; and Scott Szympruch, Contractor, ICC Contract A. They will discuss the Quality Control proceeds used on the ICC Project—what worked and what did not. Discuss document control, SOS approvals, field and laboratory testing related to the frequency guide, plant fabrication inspection and acceptance and resolving Non-conformance issues.

Moderator: Kevin Kreis

Speaker(s)

Kevin Kreis, P.E., CCS,

Kevin Kreis is the Quality Control Materials Engineer for The ICC, Contract C. Over the past 12 years, Mr. Kreis has served on the MdQI Steering Committee and has chair several subcommittees. He has 32 years of design and construction experience in the Mid Atlantic Region. He has successfully managed staffs of over to 120 Construction Inspectors on highway, utility and buildings projects. He is a licensed professional engineer in 10 states and the District of Columbia. Mr. Kreis has a BS in Civil Engineering, a Masters in Business Administration and is a Certified Construction Specifier.

Mark Coblentz

Mark Coblentz is the Construction Manager on the team that is bringing to fruition the Intercounty Connector Project (ICC), located in Montgomery and Prince Georges Counties, for the Maryland State Highway Administration. He was selected for this position based on the experience he gained from his many years of employment with the Administration. Mark started in 1977 as an Engineer Associate in a design office for the Administration and since that time progressed through the ranks from construction inspector to the position of Assistant District Engineer for Construction in SHA District 5 before becoming the Construction Manager for the ICC.

Robert Sebastian, P.E.

Bob Sebastian has more than 35 years of experience managing EBA’s Construction Management and Inspection Division, which provides inspection services and field and laboratory construction materials testing. He is currently the CQC Manager for the ICC, Contract C. He also provides executive oversight and carefully reviews each project to ensure the successful completion of each project. During this tenure, Mr. Sebastian managed numerous projects that involved roadway HMA resurfacing; intersection and interchange improvements; bridge construction and rehabilitation; road condition ratings; earthwork; utilities; quality control (QC) material testing; and environmental monitoring activities.
Scott Szympruch, P.E.

Scott Szympruch is Chief Engineer at Corman Construction, a reputable leader in heavy civil construction throughout the Mid-Atlantic region. Encompassing over 16 solid years experience on heavy highway projects, Scott initially started his career as a field engineer. Through the utilization of innovative construction engineering methods and proactive project management, he is considered an integral part of numerous complex and technically-challenging projects, including the Benning Road Bridge replacement over Anacostia River and Woodrow Wilson Bridge's Virginia Approach Spans. Progressing up to his present management role, Scott currently serves as Construction Manager for the Intercounty Connector Contract A project in Montgomery County where he oversees all field operations, to ensure successful project completion.

Rocky Goocharan

Rocky Goocharan is an employee of Maryland State Highway Administration with the Office of Materials Technologies. Rocky started his career in the Materials Management Division as an Independent Assurance Auditing Inspector. He is currently the Materials Engineer on the Inter County Connector Project (ICC). His main focus is to monitor the Design Builders’ and the ICC Team Quality Control/Quality Assurance Acceptance Processes for materials quality and material clearance. His goal is to partner with the Design Builders’ QC Engineering Firms to develop a quality management system for off-site fabrication.
Building a Better Life – Concrete Steps to Success

To have a great day and a great life begins with attitude. We explore being proactive, positive and in control of your thoughts and your life. We address the importance of goal setting and how to write meaningful lifetime and daily goals. We discuss the value of time and how to manage one’s time most effectively. We conclude by putting it all together into how a great day may look!

ATTITUDE – We explore being proactive, positive, responsible and in control. We discuss what success is and what makes a great life. We discuss the Law of Control, Law of Cause and Effect, the Law of Belief, the Law of Expectation, the Law of Attraction, the Law of Correspondence, the Law of Concentration and the Law of Substitution. The overall message is change your way thinking and you can change your life.

GOALS – Goal setting is the master skill of success. We discuss the importance of goal setting and value of writing down goals. We discuss how to develop major goals and corresponding detailed plans of action.

TIME MANAGEMENT - Do you feel like you never have enough time to get everything done? At the end of a busy day, do you wonder if you accomplished anything important? Do you feel like you are spinning your wheels? Do you wonder what the top of your desk looks like (is it wood or metal)? This overview of time management looks at life management, setting priorities based on your goals and then offers tips to avoid wasting time. Come listen to how you can improve your life at work and at home by managing your time better.

PUTTING IT TOGETHER TO MAKE A GREAT DAY – We conclude by wrapping attitude, goal setting and time management together and describing what makes a great day.

Speaker

Joel Oppenheimer, P.E. (STV Incorporated)

Joel joined STV as a Vice President in May 2005. He manages the STV Baltimore office and oversees the Transportation Department including more than 60 people. In addition, he currently manages planning and design projects.

He is a registered Professional Engineer in Maryland and 8 other states, received his undergraduate degree in Civil Engineering from the University of Pennsylvania and a Masters Degree in Engineering Administration from The George Washington University. He has 30 years of planning, engineering and management experience.

Joel developed a Time Management presentation for his company’s Office Managers meeting in October 2003. He has since presented it internally at STV and externally to clients and professional organizations. The presentation has been expanded to include “Building a Better Life – Concrete Steps to Success” and has been presented dozens of times in various lengths to groups including SHA’s GETP, SHA’s “Stepping Into Success,” STV University and MTA.
If you wish to reach Joel for more information on Time Management/Life Management or for presenting to other groups, his e-mail address is joeloppenheimer@comcast.net or joel.oppenheimer@stvinc.com.

Joel and his wife, Karen, have two children, Brad and Lauren, and reside in Owings Mills, MD.
Work Zone Construction Inspection (We’re the Government and we are here to help!)

Work zone traffic control inspections have, historically, been vital for assuring that work zones are properly setup and provide the appropriate guidance for road users traveling through them. In addition, and just as critical, inspections ensure that work zone setups enhance the safety of both road users and workers. Although this objective has been achieved, more or less, there are several components of work zone setups that regularly are reported as deficient during work zone inspections. This session is aimed at discussing these areas of deficiencies and providing recommended methods of correction.

**Moderator:** Eric Tabacek

**Speaker(s)**

**Jawad N. Paracha, P.E., P.T.O.E.**

Jawad Paracha is currently working as Assistant Division Chief at the Office of Traffic and Safety, Maryland State Highway Administration. His responsibilities include managing programs related to work zone traffic control safety and mobility, pedestrian/bicycle safety and special events, railroad crossings, crash analysis, and research projects with University of Maryland.

Jawad received his Bachelor of Science degree in Civil Engineering in 1994, and graduated with Masters in Transportation Engineering & Planning from University of Maryland at College Park.

**Michael L. Paylor, P.E**

Michael L. Paylor, P.E. possesses 18 years of experience in transportation and traffic engineering and is a Team Leader for the Traffic Development and Support Division of the Maryland State Highway Administration's Office of Traffic and Safety in Hanover, Maryland. For the past two years, he has been directing work zone policy management and guideline development, in accordance with the SHA’s Safety and Mobility Plan. Mr. Paylor oversees work zone standard and specification development, as well as the work zone Traffic Control Traffic Manager’s Course. In addition, he is a member of the team currently implementing the SHA/Maryland State Police work zone automated speed enforcement (ASE) program. Mr. Paylor obtained a bachelor’s degree in Civil Engineering from Morgan State University in 1991.
Intelligent Transportation Systems 511/Intellidrive

**Maryland 511 Traveler Information System**

The State of Maryland recently embarked on the deployment of a statewide 511 Traveler Information System that will provide free traveler information service to the public via the Federal Communications Commission (FCC) designated 511 telephone number and other electronic means including a 511 website. By using this 511 telephone service and/or website, Maryland residents, visitors, commercial drivers, and transportation system operators will be able to access information associated with current or anticipated travel conditions made available by the Maryland State Highway Administration (MD SHA), Maryland Transportation Authority (MDTA) and other transportation management agencies and systems. The implementation of the statewide 511 traveler information system will allow the general public to access information associated with travel conditions from any part of the state at any particular time, which will also be useful during special events as well as emergency situations. The system is also expected to maximize the use of existing data from multiple agencies, be free of charge to its users and allow flexibility for personalization. This session will explore issues associated with the design and deployment of the proposed 511 system and anticipated benefits to its users. Updates on the current status of the system will also be provided.

**National IntelliDriveSM Program**

IntelliDriveSM, formerly known as Vehicle Infrastructure Integration (VII), is a US DOT, automobile manufacturers and state and local governments led Program that combines technologies such as advanced wireless communications, on-board computer processing, advanced vehicular sensors, and GPS navigation etc. to provide vehicles with the capability to identify threats and hazards on the roadway. Using these devices, vehicles will be able to communicate data over a wireless networking system to alert drivers of hazards in real time. The capability to collect, identify, process, exchange, and transmit this data in real time will provide drivers with a greater situational awareness of events, which will allow them to make better and safer decisions while driving.

Under the guidance of the Vehicle Infrastructure Integration Coalition (VIIC), a partnership of the USDOT, automobile manufacturers, state and local governments, IntelliDriveSM aims to provide a network environment that will support a high-speed information exchange between vehicles (V2V), vehicles and infrastructure components (V2I), and hand-held devices (V2D) to accommodate a variety of safety, mobility, and convenience applications. This session will address the current status of the IntelliDriveSM program and the applications mentioned above as well as its impact on traffic analysis, transportation/mobility management, traveler information and the potential effect on various agencies.
Moderator: Mike Zezeski

Speaker(s)

Glenn McLaughlin, P.E.

Glenn McLaughlin is the Deputy Director for Systems, Development and Administration at the Maryland State Highway Administration’s (SHA) Office of CHART & ITS Development. He has worked in the transportation industry for 22 years, and has been with SHA for 19 years. In his current position, Glenn is responsible for administration, planning, system development and funding for CHART, which is SHA’s Highway Management, Operations and ITS program. He is a former president of ITS Maryland and currently sits on several committees including the I-95 Corridor Coalition Steering Committee, the Maryland Telecommunications Resource Sharing Committee and the Metropolitan Area Transportation Operations Committee’s (MATOC) subcommittee on technology. In addition, Glenn is responsible for managing several Traveler Information initiatives for SHA, including 511, collecting and displaying travel times, and Maryland’s participation in the I-95 Corridor Coalition’s vehicle probe project. Glenn is a Professional Engineer and has a BS in Engineering from Virginia Tech.

Brian Cronin, P.E.

Brian Cronin is the ITS Research and Demonstration Team Leader in the USDOT’s Research and Innovative Technology Administration’s ITS Joint Program Office. Brian leads the team that manages projects implementing the Department’s research agenda. Mr. Cronin has a B.S. Civil Engineering, Virginia Tech and M.S. Civil Engineering, Texas A&M University. Brian is a professional engineer and has worked in the area of transportation and intelligent transportation systems for 15 years. Brian first worked in a consulting company where he planned and designed traffic management control systems for the public sector. Brian worked at the Federal Transit Administration (FTA) for 7 years prior to joining the ITS Joint Program Office in 2005. While at the FTA, Brian managed projects on traveler information systems, vehicle safety systems, standards, and system management. Brian currently co-manages the Integrated Corridor Management ITS initiative, and is coordinating the IntelliDriveSM suite of research programs.
Deck Replacement and Rehabilitation of the Thomas J. Hatem Memorial Bridge

The Thomas J. Hatem Memorial Bridge carries 11 million vehicles per year between Harford and Cecil counties along US 40 over the Susquehanna River. Opening in 1940, the existing 1.5 mile long bridge is the oldest of the Maryland Transportation Authority’s seven toll facilities. Having provided a service life of nearly 70 years, the existing concrete and steel grid deck was in need of replacement. Beginning in spring 2008, a major rehabilitation effort is underway to complete the in-kind deck replacement and to install new concrete barriers on the bridge. The presentation will focus on the unique aspects of the project and the challenges that have been faced since construction began.

Topics will include maintenance of traffic, increasing the load carrying capacity of the bridge, and accommodating the bridge widening and safety features; all within the limitations of the existing bridge configuration and geometry. We will also discuss the constructability challenges of working in narrow work zones and adapting the design to accommodate actual field conditions as well as “lessons learned” from phase I construction. The presentation will be given by Mr. Dan Williams, P.E., Manager of Bridges and Tunnels for the Maryland Transportation Authority. During the 15 minute Question & Answer session at the end of the presentation, Dan will be joined by panel members Stuart Taub, P.E. of Wallace, Montgomery & Associates, LLP and Jim McNelis of Joseph B. Fay Company.

Moderator: Dave LaBella

Speaker(s)

Dan Williams, P.E.

Bridge & Tunnel Manager
Maryland Transportation Authority

Dan Williams is a 1998 graduate of the Pennsylvania State University with a Bachelor of Science Degree in Civil Engineering. During Dan’s 12 years with the Maryland Department of Transportation, he worked as a project engineer in State Highway Administrations’ Bridge Inspection and Remedial Engineering division for 6 years before joining the Maryland Transportation Authority. At the Authority Dan worked as the Deputy Project Manager for the I-95 Express Toll Lane project before being promoted to his current position as Bridge and Tunnel Manager. Dan is responsible for the design, inspection, and repair of the Authority’s bridges, tunnels, and ancillary structures.

Jim McNelis

Jim McNelis is the Vice President of the Joseph B. Fay Company. He is responsible for the development and operation of heavy, highway and bridge construction projects in the Mid-Atlantic Region. Jim is a graduate of Penn State University with a BS in Civil Engineering. He is active in numerous related industry associations and unions and holds many board and advisory positions. He has testified before Maryland legislative committees. Jim has consulted on various MDOT MBE issues with the MDOT Secretary and staff.
Awards and Dinner

Moderator(s):

James A. Russ, President

Maryland Transportation Builders & Materials Association – MTBMA

Jim earned a Bachelor of Science degree in Physics and Engineering from Washington and Lee University in 1962 and served in the U.S. Coast Guard attaining the rank of LTCDR.

Jim has served in management positions in the construction materials industry for over 40 years operating in three major east coast markets – Virginia, Greater Baltimore Washington Area and Massachusetts. In 1991, Jim joined Aggregate Industries as President of the Mid-Atlantic region and retired as Senior Vice President of Aggregate Industries, USA in 2006. Jim joined Essroc Cement Corp. for a short period as Senior VP of Construction Materials Development and again retired in 2008.

When asked to serve the industry once again, Jim joined MTBMA in August 2009 as its Interim President and was recently elected by the Board to serve as the President.

Along his journey, Jim has been very active in industry, political and community activities, holding numerous Board positions. He was an active Boys Club football and basketball coach, served on the Board of the PG Community College for many years and as Chairman of the Board in 1983. He is a past Chairman of Massachusetts Concrete and Aggregate Association, a past member of the Board of Trustees of the Virginia Ready Mixed Concrete Association and of the Board of Trustees of the Maryland Ready Mixed Concrete Association. Jim was an active Board Member of Metro Washington, ABC and held the Chairman’s position in 2002.

Jim has held many positions throughout the years with the National Ready Mix Concrete Association (NRMCA) and as chairman of the board 2003-2004. He serves on the Board and the 2011 CONEXPO-CON/AGG Joint Show Council.

Jim and his wife Rita have three children, six grandchildren and one great grandson. They live on Maryland’s Eastern Shore.
Wesley Mitchell

Education

Graduated from Morgan State University (MSU), with a Bachelors of Science Degree in Civil Engineering in 1997

Currently Working on Masters of Business Administration Degree from the University of Baltimore

Work Experience

Wesley has worked the State Highway Administration (SHA) for 14 years primarily in the Project Planning Division

General

During Wesley’s time with SHA, he has quickly advanced through the ranks from project engineer, to project manager, to Deputy District Engineer for Montgomery and Prince George’s Counties

High Capital Projects (worked on or managed)

• I-495 Capital Beltway Project surrounding the District of Columbia
• MD 43 Middle River Improvement Project in Middle River, Maryland
• Intercounty Connector Study (ICC) in Prince George’s and Montgomery Counties

Current Position

He currently holds the position of Project Manager for McCormick Taylor.