

# PARTNERS IN QUALITY

A PUBLICATION OF THE MARYLAND QUALITY INITIATIVE STEERING COMMITTEE (MdQI)

## STEERING COMMITTEE

**Doug Rose**  
MdQI Chairman, SHA  
**Daniel Cheng**  
MdQI Co-Chairman, JMT

**Sponsors**  
**Ed Adams, Jr.**  
CEAM

**Hassan Raza**  
FHWA  
**Brian Dolan**  
MAA

**Keith Duerling**  
MdTA

**Tom Evans**  
MRMCA

**Sam Miller**  
Northeast ACPA

**Brian Holmes**  
MHCA

**Fred Wagner**  
ACEC MD

**Subcommittee  
Chairs/Co-Chairs**

**Conference**  
**Bob Olsen**  
JMT

**Ray Moravec**  
URS

**Highway Operations**  
**Bob Harrison**  
SHA

**Bob Simon**  
Site-Blauvelt

**Training & Recruitment**  
**Barry Catterton**  
SHA

**Joe Makar**  
Whitman Requardt

**Partnering**  
**Bridgid Seering**  
SHA

**Steve Whitecotton**  
P. Flanagan & Son

**Project Development**  
**Daniel Cheng**  
JMT

**Kirk McClelland**  
SHA

**Public Relations**  
**Joel Oppenheimer**  
STV, Inc.

**Eileen Straughan**  
Straughan Environmental

**Members**  
**Shelly Baquol**  
MHCA

**Greg Brozowski**  
Melvin Benhoff Sons

**Dick Weddle**  
SHA

**Tony Mawry**  
Wallace Montgomery

## MARYLAND'S HIGHWAY INDUSTRY FOCUSES ON "QUALITY AND SAFETY - BEYOND THE BARRELS"

**Public and Private Sectors Share Best Practices, Recognize Excellence in State Road and Bridge Construction at 12th Annual Maryland Quality Initiative Conference and Awards Ceremony January 26-27**

"Quality and Safety - Beyond the Barrels" was the theme of the Maryland Quality Initiative's (MdQI) twelfth annual conference, held January 26 and January 27 at Marriott's Hunt Valley Inn in northern Baltimore County. The conference, sponsored by the MdQI consortium of government agencies and private firms, included eight technical sessions, nine presentation sessions and an interactive technical/vendor exhibit area. Doug Rose, SHA's Deputy Administrator/Chief Engineer for Operations and MdQI Chairman, hosted the two-day conference.



SHA Administrator, Neil Pedersen addresses conference attendees during the Welcome Session

SHA Administrator Neil Pedersen confirmed the State's commitment to highway safety during the Welcome Session on Day One. Neil issued his annual challenge to the MdQI participants to share best practices at the conference and strive for excellence. This year, he also focused on environmental issues; "mega-projects" such as the Intercounty Connector, the Woodrow Wilson Bridge, I-695 and the I-95 Section 100 project; and, new laws affecting DBE/MBE firms.

Following the opening luncheon, conference attendees had the opportunity

to attend the technical and vendor exhibits and their choice of eight Technical Sessions, with topics such as:

**Work Zone Awareness, Our Lives Depend on It**: Information related to work zone safety problems and SHA initiatives to improve safety and awareness were presented.

**Avoiding Short Circuits with Innovation**: Utility coordination issues/challenges stakeholders face delivering Design/Build projects.

**Public/Private Partnerships (P3) for Highways**: Elements of the P3 process, such as service demand and funding available to finance.

**Independent Quality Assurance and Construction Management**: Successes and challenges with the implementation of SHA's Construction Management. Discussion of the challenges and successes with outsourcing and Quality Assurances on the Woodrow Wilson Bridge project.

**Hey, I'm Working Here! Safety in Workplace/Construction**: Safety management materials handling, fleet management, and safe equipment operations.

**Highway Traffic Incident Response Planning Exercise**: Case studies of two highway traffic incidents.

**SHA's Implementation of Best Value**: Panel discussion with a sample Request for Qualifications and Request for Proposals.

**Materials Documentation, You Want What?**: Panel discussion with aggregate and asphalt producers on why superpave specifications don't match aggregate production.

At the conclusion of Day One, everyone gathered for a networking session at the vendor exhibits. MdQI's own deejay, George Hall of SHA, hosted a reception at Frankie and Vinnie's nightclub.

On Day Two, leaders of the highway contracting and consulting community



Conference attendees gather in exhibit/vendor area

met for an Executive Breakfast featuring Neil Pedersen, Doug Rose, Doug Simmons, MdTA's Executive Secretary Trent Kittleman, Joe Waggoner and Keith Duerling. Later that morning, all the conference participants gathered in the main ballroom for the Opening Session to hear Neil and Transportation Secretary Robert L. Flanagan, FHWA's Associate Administrator for Safety George Ostensen, and Dr. Gerald Ullman of the Texas Transportation Institute share their perspectives on safety and the highway industry. Special guests included Bob Templeton, Executive Director of the National Partnership for Highway Quality, and Maryland State Police Superintendent Colonel Thomas E. "Tim" Hutchins, demonstrating MSP's commitment to highway safety.

continued on Page 5



MdQI 2005 CONFERENCE TEAM  
 1st row: George Hall, SHA; John Malinowski, Wilbur Smith; Ray Moravec, URS; Russ Walto, SHA; Steve Parker, STV; Errol Stoute, SHA; 2nd row: Ashok Saini, SHA; Scott Newill, SHA; Melissa Williams, MdTA; Tracey Barnhart, SHA; Scheryl Brown, SHA; Glen Smith, SHA; Allen Jacobs, SHA; Tracy Patey, SHA; Dennis Alkins, SHA; Sandy Talbert-Jackson, FHWA; Fran Ward, SHA; Shelly Baquol, MHCA; Bob Olsen, JMT.

Team members not pictured:  
 Sam Miller, ACPA; Joel Oppenheimer, STV; Suenette Pope, SHA

## MdQI 2004 Awards of Excellence Presented at Banquet

Continued from Page 3

**In-House Highway Design - Small Project**  
**Urban Street Reconstruction of US 40 Alternate between MD 68 and MD 67 in Washington County**  
 Contractor: C. William Hetzer, Inc.  
 Project Bid Cost: \$3.7 million

**Consultant Highway Design - Small Project**  
**MD 765/Calvert Beach Road - St. Leonard Streetscape in Calvert County**  
 Contractor: JSI Paving & Construction  
 Design Firm: Rummel, Klepper & Kahl  
 Project Bid Cost: \$1.8 million

**Highway Design - Innovative - Contract Methods**  
**MD 175 - Odenton Roundabout in Anne Arundel County**  
 Contractor: Concrete General, Inc.  
 Design Firms: SHA, URS Corporation  
 Project Bid Cost: \$ 1.1 million



**Context Sensitive Solutions - Small Project**  
**US 13 at Church Street - Intersection Reconstruction in Wicomico County**  
 Contractor: Interstate Construction of Delmarva, Inc.  
 Design Firm: Whitman, Requardt & Associates  
 Project Bid Cost: \$ 300,000

**Hot Mix Asphalt Production Facility**  
 Contractor: American Paving Corporation - Salisbury, MD  
 Location: Eden Plant  
 Quality Control Director: Ed Hunt

**Concrete Production Facility**  
 Contractor: Maryland Portable Concrete - Aberdeen, MD  
 Location: Riverside Plant  
 Quality Control Manager: Charles H. Waudby

The MdQI Steering Committee is jointly sponsored by representatives of the following agencies



**The MdQI Mission** - "To provide the Maryland Highway Industry a forum that fosters Coordinated and Continuous Quality Improvement in order to ensure Safe, Efficient, and Environmentally Sensitive Highways which meet the needs of all Transportation Stakeholders"

Please visit our website at [www.mdqi.org](http://www.mdqi.org)

## MdQI Chairman's Letter

I would like to express my many thanks to all of you who made the 12th Annual Maryland Quality Initiative (MdQI) conference a greater experience for 2005. Attendance was outstanding and our largest to date. The conference offered a wide variety of session topics as well as providing a good mix of work and fun. Over 650 people attended the full conference as well as 42 vendors. In addition, approximately 750 people attended our annual awards banquet.



We were very fortunate again this year to have as speakers, the Secretary of Transportation, the Honorable Robert L. Flanagan, the Federal Highway Administration's (FHWA) Associate Administrator for Safety, Mr. George A. Ostensen, Maryland State Police (MSP) Colonel Thomas E. Hutchins, Texas Transportation Institute (TTI), Dr. Gerald L. Ullman, and the National Partnership for Highway Quality's (NPHQ) Executive Director Mr. Bob Templeton. Secretary Flanagan discussed the priorities of the Administration and of Governor Robert L. Ehrlich, such as the importance of highway safety and that it is the number one priority. Secretary Flanagan embraced on the true meaning of partnering between the public/private sectors, and he recognized the worthwhile efforts of this partnership effort in providing a quality transportation system. Associate Administrator George A. Ostensen offered the federal perspective on work zone safety. Colonel Thomas E. Hutchins, Maryland State Police spoke of MSP's partnership with State Highway Administration (SHA) and his commitment to work zone safety. Dr. Gerald L. Ullman spoke on the quality improvement in work zones: challenges and opportunity.

This year's theme, "Quality in Safety....Beyond the Barrels" included interesting and pressing topics which attendee's embraced. Subjects covered a wide range of issues and challenges that face the industry daily. These sessions provided a forum for open dialog and personal experiences. Some of the successes we experienced during the conference included the Building for the Future: I-95 Expansion and Intercountry Connector session that concentrated on the progress and issues associated with Maryland's larger and more complex projects. Other sessions that were well received were The ABC's of Managed Lanes, ADA: Hot Topics and Utility Coordination in Design Build, and Private Public Partnerships for Highways.

This year the quality movement led SHA to win three NPHQ awards for projects which exemplify all aspects of innovation and project partnerships. The Woodrow Wilson Bridge project won a gold level and silver level award in two categories and I-270/MD187 Rockledge Drive project won a gold level award.

Please take the time to utilize the MdQI web site. The site is improved year after year and provides valuable information and is user friendly. Copies of this year's conference presentations are posted on the website for easy access at [www.MdQI.org](http://www.MdQI.org).

The Third Annual Highway Construction and Engineering Career Day event will be held on April, 25 2006 at the Timonium Fairground. The new format will be presentation based and we will again be working with our industry and consultant partners.

In 2008, SHA will be celebrating 100 Years of SHA. Keep a look out for updates on this historic event. We also have great news for the 2006 MdQI Conference. The conference will be moving to a more spacious facility and will be held at the Wyndham Hotel, Inner Harbor on January 18 & 19, 2006. Keep your eyes open for additional details throughout the year.

Once again, I would like to thank Secretary Flanagan, FHWA's Associate Administrator for Safety George A. Ostensen, Maryland State Police Colonel Thomas E. Hutchins, Texas Transportation Institute, Dr. Gerald L. Ullman, NPHQ's Bob Templeton and SHA's Administrator Neil Pedersen, for their continued support and participation in this year's conference.

In conclusion, I would like to extend my sincere appreciation to all the transportation stakeholders, particularly MdQI's sponsors, for all the tireless work that goes into making the Maryland transportation infrastructure one that leads the nation in innovation and quality. I would also like to thank everyone for their dedication and hard work in making the 12th annual MdQI Conference a huge success. I look forward to building on the momentum generated from this year's conference as we proceed through 2005.

**Doug Rose**

MdQI Chairman, SHA Deputy Administrator, Chief Engineer for Operations

## Industry News Updates and Schedule of Upcoming Industry Events

### Save the Date!

### 2006 MdQI Conference

January 18, 2006 - January 19, 2006

### NEW BIGGER AND BETTER LOCATION

MdQI Conference 2006 will be held at the Wyndham Baltimore Inner Harbor 101 West Fayette Street Baltimore, MD



### Need Information?

go to [www.mdqi.org](http://www.mdqi.org)

Check out MdQI's website for information on last year's conference, plans for the 2006 conference, and updates on other current news and events.

### New Subcommittee Co-Chair Needed

The MdQI Steering Committee recently approved establishment of a Safety Subcommittee to address issues related to highway safety in planning, design and construction. Eric Tabacek of SHA has agreed to Co-chair this committee and we are looking for a Co-chair who is a contractor or consultant to work on Maryland's safety issues. Please contact Doug Rose (410.545.0360) if you are interested in the Co-chair position.

Mark your calendar now for **Maryland's 3rd Annual Highway Construction & Engineering Career Day on April 25, 2006 at the State Fairgrounds in Timonium.** For more information on this event please read the article on page 5.



## Concrete 2005 Conference Is A Great Success



The program agenda for the Wednesday, April 6, 2005 Concrete Conference included some exciting and knowledgeable speakers. The registration this year totaled around 220 attendees. Key players on the conference planning committee included Vicki Stewart and Tom Evans as Co-Chairs, Jerry Kalista as Treasurer, along with committee members Tom Sparks, Kevin Clisham, Paul Finnerty, Vachel Davis, David Beaulieu, Pete Stephanos, Lou Triandafilou, Azmat Hussain, and Sam Miller. This committee of talented professionals worked very well together in producing a notable conference. Conference Key Note speaker was Calvin McCall, Engineering Services, Inc. and our Luncheon Speaker was Neil Pedersen, MD State Highway Administrator. Other speakers represented local firms like URS and Lafarge while even more spokespersons from State and National organizations contributed, including MD SHA, PENNDOT, VTRC, FHWA, ACPA. This year's event welcomed 16 exhibitors and 25 sponsors who networked with all attendees. The Conference continued the format this year of four concurrent technical sessions with a focus in four areas: Concrete Pavements, Concrete Structures, Architectural Concrete and General Concrete Technology.

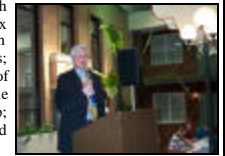
The committee wishes to thank all of the following sponsors and exhibitors.

### 2005 Concrete Conference Sponsors:

Concrete General, Inc.; ACI - Maryland Chapter; Aggregate Industries; Chaney Enterprises; Degussa Admixtures, Inc.; Florida Rock Industries / Arundel Corporation; Hunt Valley Contractors, Inc.; Lafarge Mid-Atlantic; Lafarge North America; S&G Concrete Company; St. Lawrence Cement Co.; Essroc Cement Corporation; H.B. Mellott, Inc.; Sanders Saws - A Division of Multiquip, Inc.; Separation Technologies, LLC; Silica Fume Association; Superior Plus, LLC; The SEFA Group; and Thomas, Bennett & Hunter, Inc.

### 2005 Concrete Conference Exhibitors:

American Concrete Pavement Association; Carolina Stalite Company; Chaney Enterprises; Degussa Admixtures, Inc.; FHWA - Resource Center; Hunt Valley Distributors, Inc.; IVS Hydro Demolition; Lafarge North America; Maryland Ready Mix Concrete Association; Penniman & Browne, Inc.; Rafco Products; Sanders Saws - A Division of Multiquip, Inc.; Silica Fume Association; The SEFA Group; United Rentals Aerial Lift; and W.R. Grace & Company.



## Exciting Changes For The 2006 Construction & Engineering Career Day

The 3rd Annual Highway Construction & Engineering Career Day will be held on April 25, 2006 at the Timonium Fairgrounds. A significant change in format will be used for this event. Plans are underway for one-on-one discussions with local schools to attract specific students who are genuinely interested in career information on civil engineering and related fields, construction trades and/or construction inspection.

The exhibit hall will be separated into two sections, Engineering and Construction Trades. Students will be required to pre-select the section that they wish to participate in. The Construction Trades area will have timed, interactive presentation stations on topics such as Heavy Equipment Maintenance, Heavy Equipment Operations, Plant/Quarry Operations & Inspection, Field/Construction Inspection, Lab Testing, Asset Management, CHART, etc. The Engineering area will contain timed, interactive presentations on each phase of the project development process (planning, surveying, design, structures, traffic, geotechnical, construction management, etc). Local firms, contractors, material producers, suppliers, SHA, and FHWA personnel will have the opportunity to serve as presenters at the presentation stations. We will not offer company-sponsored booths.

Hands-on activities will also be made available in the lunch area, where students will also be given information to take with them on the construction trades training opportunities; actual jobs available in the industry (for the non college-bound seniors who will be graduating within the next month and looking for work), the companies that are hiring, and the Human Resources contact; information from local colleges and universities with engineering programs; and, local firms offering internships.

If you would like to participate in this event as a presenter, event sponsor, or if you need additional information, please contact Barry Catterton via e-mail at [bcatterton@sha.state.md.us](mailto:bcatterton@sha.state.md.us) or at 410-321-4102. Sponsors will be recognized at the event, and in distributed materials.

## 12th Annual Maryland Quality Initiative Conference

*continued from Page 1*

Secretary Flanagan summarized the issues faced by Maryland's transportation community: "The challenge for us lies in freeing up highways from congestion and none of us need to be reminded of what we traveled through to get here this morning. Maryland is growing and that growth is seen on the roads. Maryland - America in Miniature - presents a unique combination of assets that make it an attractive location for business and families alike, and that creates a dilemma for the elected officials struggling to provide services to our population." He also praised MdQI members for their advocacy of Governor Robert L. Ehrlich's transportation revenue increase package, passed during the 2004 General Assembly, and for the continued success of the MdQI public-private partnership.

After the Day Two opening session, conference-goers had an opportunity to visit technical and vendor exhibits and attend one of three presentation sessions: Road Safety Audit; Cover Your Assets; SCAN TOUR.

At lunch, motivational speaker Ron Culberson of "FUNsulting, Etc." provided a light-hearted look at the six fundamentals of humor in the workplace. He demonstrated how to use humor to balance serious issues with a light touch, reduce stress, increase creativity and productivity, and improve problem solving.

The technical and vendor exhibits opened for visitors once again and six presentation sessions provided a wide range of topics: ADA - Hot Topics and Cold Facts; Achieving Environmental Stewardship through Proactive Erosion and Sediment Control Practices; Building for the Future: I-95 Expansion and Intercountry Connector; The Road to Better Utility Coordination, "The Sequel"; ETL, HOT, ETC, HOV, E-ZPass; The ABC's of Managed Lanes; Time Management = Life Management. The conference concluded with the annual MdQI banquet and presentation of the annual MdQI Awards of Excellence for highway projects completed in calendar year 2004.

## SHA Studies The Use Of Movable Steel Barrier For Worker Protection

Work zone safety is a high priority for the Maryland State Highway Administration (SHA) and is one of the key goals of SHA's Highway Safety Business Plan. The SHA is continuously exploring new ideas and strategies to improve work zone safety for both workers and road users. Barrier types, such as temporary concrete barrier, movable concrete barrier, and water-filled plastic barrier are currently being used in various work zone scenarios. However, new methods of positive protection are being developed in response to the challenge of improving worker safety.

One new type of movable barrier system currently being evaluated by the SHA is the SafeGuard Link System, developed by Barrier Systems Inc. The portable "link system" is a movable steel reinforced barrier constructed with retractable wheels, which provides for quick deployment. The link system consists of individual barrier sections approximately 28 feet long and three feet in height, with a weight of about 3700 pounds. The system is costly to purchase - \$16,000 per section - making the rental of this equipment possibly more desirable to contractors considering its use.

The barrier sections are connected with a steel pin and do not require anchoring or foundations. The link system has been tested and approved in accordance with NCHRP Report 350 at Test Level 3 (62 mph collision). When test impacts with a pickup truck were conducted, the link system performed similar to temporary concrete barrier, recording a deflection slightly more than six feet. This deflection is based on a barrier "length of need" of 100 feet on both ends of the assembly in the vicinity of the work area. Barrier Systems states that most collisions with barriers do not result in significant damage to the barrier. In most cases following a collision, only minor adjustments or repairs are necessary for the redeployment of impacted sections.

Additionally, the link system may be used to close breaks in barriers for vehicles entering/exiting the work site. One section of the assembly can be disconnected and pushed back to provide safe access points for construction vehicles.

To evaluate the effectiveness of this product under actual work zone conditions, the SHA has approved the deployment of the link system along I-695 (Baltimore Beltway) at the York Road overpass, the location of an ongoing bridge replacement project. This project has a reduced work zone speed limit of 50 mph. The portable link system, stored adjacent to the existing median concrete barrier next to the work area, is moved every night to protect the work area. The deployment takes approximately 15 minutes.

So far, the portable link system has performed satisfactorily in terms of quick deployment/ portability and, according to workers on site, has provided an increased sense of safety along the project. With a work area of almost 140 feet, more than 300 feet of the portable link system is deployed during nighttime operations at this project, including two truck-mounted attenuators (one as an end treatment and one to prevent errant motorists from entering the work space). There have been no incidents recorded at this site since the deployment of the portable link system. SHA continues to develop and implement new strategies to improve work zone safety. It is expected that the SafeGuard link system would improve safety in short work zones where portability and quick deployment is needed.

For more information, contact Michael Paylor at 410-787-5864.



## State Leaders Search For New Solutions To Bay Bridge Congestion

### NEW TASK FORCE ANNOUNCED; TRANSPORTATION NEEDS REPORT RELEASED

The Task Force on Traffic Capacity Across the Chesapeake Bay is poised to begin identifying and examining issues associated with adding traffic capacity across the Chesapeake Bay.

The Task Force is comprised of 19 distinguished Marylanders and will be led by co-chairs Senator J. Lowell Stoltzfus and former Transportation Secretary and Anne Arundel County Executive, O. James Lighthizer.

"Governor Ehrlich has directed us to tackle one of the most formidable transportation challenges we will face in the years ahead -- effectively meeting the growing traffic demand across the Bay," said Robert L. Flanagan, State Transportation Secretary and Chairman of the Maryland Transportation Authority (MdTA). "The diversity represented by these task force members ensures that a wide variety of viewpoints will be at the table as the important issues are explored."

The appointment of the Task Force comes on the heels of the Bay Bridge 2004 Transportation Needs Report issued by the MdTA in

December 2004. The report projects that during the next 20 years traffic will increase by 40 percent, resulting in 12 hours of traffic congestion on weekends.

The Task Force will review the findings of the Needs Report as well as examine community, economic and environmental issues associated with increasing capacity across the Bay. Its goal will be to increase public understanding of the capacity issues, define objectives associated with capacity expansion, and identify other issues that also must be considered when developing solutions.

Members are not being asked to identify any specific project. Further planning for any future project would occur through Federal and State mandated planning and review processes.

The Task Force's first meeting was to be held May 24, 2005. The public will be encouraged to attend meetings of the Task Force and workshops will be held to receive public input.

More information on the task force and its work is available at [www.mdtransportationauthority.com](http://www.mdtransportationauthority.com).

## Awards of Excellence Presented at 12th Annual MdQI Conference

The 12th annual MdQI conference concluded with the annual Awards of Excellence Banquet, hosted by Neil Pedersen, Doug Rose and Brian Holmes, Executive Director of the Maryland Highway Contractors Association (MHCA). Prior to the MdQI awards presentation, Bob Templeton praised Maryland for winning three NPHQ Making a Difference awards in 2004. The Woodrow Wilson Bridge Contracting Team won a Gold "Risk Taking" Award for its successful re-engineering and re-bidding of a project contract to stay within budget. The I-270 Partnering team earned a Gold "Partnering" Award for its success in reducing the duration of a major project to construct a new interchange along I-270 and reconstruct the I-270/MD 187 interchange. Another Woodrow Wilson Bridge team won a Silver "Breaking the Mold" Award for its innovative efforts to protect fish in the Potomac River during deep water pile driving for the bridge foundations. Neil, Doug, and Brian presented 21 MdQI Awards of Excellence to State and private sector teams. The awards ceremony featured a PowerPoint presentation of winning projects created by Steve McClain and SHA's Office of Construction.



### Major Roadway Project Widen US 29 from MD 99 to MD 100 in Howard County

Contractor: Concrete General, Inc.  
Project Bid Cost: \$11.9 million  
Design Firm: URS Corporation

### Consultant Highway Design - Large Project

Widen US 29 from MD 99 to MD 100 in Howard County  
Contractor: Concrete General, Inc.  
Project Bid Cost: \$11.9 million  
Design Firm: URS Corporation

### Minor Roadway Project

Widening of MD 139 from Malvern Avenue to Chestnut Avenue in Baltimore County  
Contractor: Gray & Son, Inc.  
Project Bid Cost: \$2.1 million  
Design Firm: Rummel, Klepper & Kahl

### New Bridge Construction

Replace MD 32 Bridge over River Road, CSX and Patapsco River in Howard County  
Contractor: Joseph B. Fay, Co.  
Project Bid Cost: \$3.7 million  
Design Firm: SHA

### In-House Bridge Design

Replace Bridge on MD 32 over River Road, CSX and Patapsco River in Howard County  
Contractor: Joseph B. Fay, Co.  
Project Bid Cost: \$3.7 million  
Design Firm: SHA

### Bridge Rehabilitation and Consultant Bridge Design Repairs/Replacements/ Reconstruction to Three Structures on US 40 Alt. over Spiker

Contractor: Carl Belt, Inc.  
Project Bid Cost: \$1.2 million  
Design Firms: SHA; KCI Technologies, Inc.; Diver Brothers Consulting Engineers

### Hot Mix Asphalt Resurfacing Resurface US 40 from Clear Spring to Spikler Road in Washington County

Contractor: P&W Excavating, Inc.  
Project Bid Cost: \$700,000  
Design Firm: SHA

### Maintenance of Traffic

### Resurfacing and Safety Improvements to MD 695 (Baltimore Beltway/Patapsco Freeway Outer Loop Only) from Cove Road to End of SHA Maintenance in Baltimore County

Contractor: American Infrastructure, Inc.  
Project Bid Cost: \$800,000  
Design Firm: Whitman, Reardon & Associates

### General Environmental Improvement Project

### Drainage Improvements on US 220 North of Milnor Avenue in Allegany County

Contractor: IA Construction Corporation  
Project Bid Cost: \$400,000  
Design Firm: SHA

### Landscape Architecture

### Construct Sound Barrier on I-95 Northbound from Patuxent River to MD 216 in Howard County

Contractor: Cherry Hill Construction  
Project Bid Cost: \$1.9 million  
Design Firms: SHA; Rummel, Klepper & Kahl

### Disadvantaged Business Enterprise - Project Specific

### Construct Concrete Pads on MD 32 for Portable Variable Message Signs in Anne Arundel County

Contractor: Highway & Safety Services, Inc.  
Project Bid Cost: \$100,000  
Design Firms: URS Corporation

### "Other" Pedestrian/Bike Route

### Pedestrian Walkway on US 219 at Glendale Road in Garrett County

Contractor: Huntington & Hopkins, Inc.  
Project Bid Cost: \$300,000  
Design Firms: Kennedy Porter & Associates

### Partnering - Minor Project

### MD 26 from I-695 to Washington Avenue/Interchange Improvements in Baltimore County

Contractor: Kibler Construction Co.  
Project Bid Cost: \$3.6 Million  
Design Firm: Rummel, Klepper & Kahl

### Partnering - Major Project

### I-95/I-495/I-295 Interchange I-95 Northbound Soil Preconsolidation/Rosalie Island Initial Grading (Woodrow Wilson Bridge Project) in Prince George's County

Contractor: John Driggs Co., Inc.  
Project Bid Cost: \$9.3 Million  
Design Firms: Johnson, Mirmiran & Thompson and Whitman, Reardon & Associates (Joint Venture)

Continued on Page 6