



**American
Infrastructure™**

INSITE

Observations on heavy civil construction, site development and construction materials published by the partner companies of American Infrastructure



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Chairman's Message

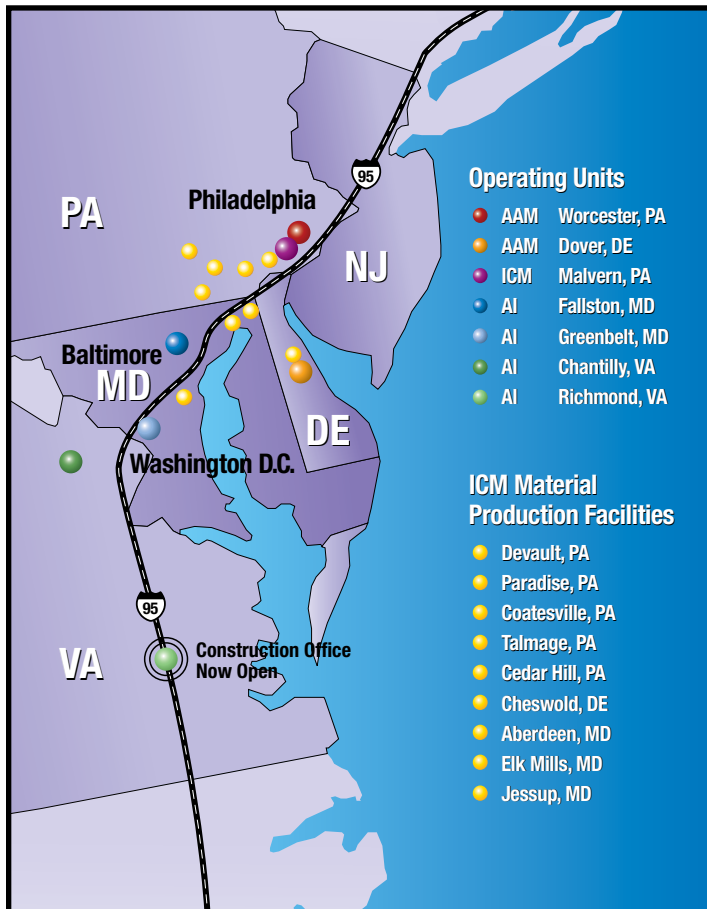


Ross Myers

The opening of our new Richmond, Virginia, office and the commencement of work at the Westchester Commons project in Midlothian (see page 3), mark our intention of becoming a strong presence in the Richmond-area construction market. In fact, Westchester Commons has such an aggressive schedule and requires

the performance of so much work that few other Mid-Atlantic contractors could entertain the prospect of delivering a project of this scope. A never-ending effort to assemble the resources—in both personnel and equipment—to provide superior service and product has been responsible for our ability to meet the demands of a project like Westchester Commons.

As in any new geographical region we enter, it is our intention to bring as much—or more—to the relationship than we take away. Because of the employment opportunities we bring, our community outreach and volunteerism, and our consumption of local products and services, we hope the region is as happy to have us there as we are to be there.



“Best Places to Work” Rankings Are Announced

In the fall of 2007, we learned that we had once again been included on the list of the Best Places to Work in Pennsylvania. In December it was announced that we were ranked number 42 in the top 100. This recognition is of special significance

satisfaction with their training, their understanding of the company’s mission and strategic goals, relationships with supervisors, pride in the organization and many others. Their input also serves as a key tool for improving the company,

BEST PLACES to work in PA 2007

because it is based on input from the people who work for the company. They are asked to answer a survey, and this time they gave the company a “good” to “outstanding” score on 81 percent of the survey questions. They use criteria such as their

which ultimately benefits the customer in measurable, real-world ways. As our customers strive to build better companies, they can be sure we’re working to do the same so we can continue to exceed their expectations, now and in the future.

One Night, Three Awards

Against strong regional competition, Allan A. Myers received recognition in three different categories at the the annual Associated Builders and Contractors, Southeast Pennsylvania Chapter, awards banquet. It takes great people to make a great place to work,

and these are just a few of the many who make it so.



(Above) STEP Safety Award accepted by Jim Deacon (Right) and Dave Zellner (Left)



(Above) TEAM Training Award accepted by Bob Lanyon (Left), Jamie Leitch (Center) and Travis Bailey (Right)



(Left) Contractor of the Year Award accepted by Tim Casey (Left) and Jack Newnam (Right)

Mass Excavation/Site Development Project Marks American Infrastructure's Entry into Richmond Market

The excavation and site work at Westchester Commons in Midlothian, Virginia, is currently ahead of schedule thanks to good weather conditions and the ability to marshal equipment and personnel from many sources within American Infrastructure. Our work at the 140-acre future retail/commercial/residential complex is scheduled for delivery by November 2008. The project is being developed by Zaremba-Metropolitan Midlothian, LLC.

Westchester Commons is significant not only because it marks our entry into the Richmond market, but because the size of the project and the timetable for its completion required that most contractors in the region partner with someone else to accomplish the work. American Infrastructure is able to perform the work utilizing resources from within the company, yielding the production efficiencies, control and value to the project in ways that quantifiably benefit the owner/customer.

By May 1, 2008, 2.8 million cubic yards of bulk excavation will have taken place on the Westchester Commons site. The effort will have included putting 57 major pieces of equipment to work, including eight excavators and 20 articulated off-road dump trucks. A horseshoe-curved, 64-foot-high gabion-basket retaining wall almost 2000' in length and with a 1:6 slope will define the southern boundary of the Resource Protection Area. Fifteen miles of pipe in various sizes up to 72" will be installed to accommodate storm/sanitary/water needs. In addition, American Infrastructure is building two new interchanges on



VA Rt. 288, a limited-access roadway adjacent to the site.

Westchester Commons, though a challenging undertaking, is on track for delivery ahead of schedule and serves as ample promise that we're ready to tackle anything the region has to offer.



PA Turnpike Project Continues, Night and Day



This bridge reconstruction over Henderson Road is one of five required for the Turnpike project. As of this writing, traffic is running over this bridge and the adjacent roadway supported by MSE wall.

Running toward on-time completion in November 2008, the highway and bridge reconstruction project near the Valley Forge interchange of the Pennsylvania Turnpike continues to provide photo opportunities in every discipline of highway building. The right in-house resources in people and equipment have allowed Allan A. Myers to self-perform nearly every operation on the job, providing control of schedule and quality of work. When complete, this project will provide the last section of six traffic lanes linking the Turnpike's five Philadelphia exits.



Pre-cast concrete beams are erected over commuter rail line tracks. The center section of the old bridge has now been demolished and new concrete abutment is being placed. Concurrent with this operation is the widening of the opposite side of the roadway.



Widening the roadway from four to six traffic lanes required that new reinforced concrete piers for the bridges be constructed adjacent to the existing roadway, allowing little extra room and requiring extreme safety measures.



All ramps at the Valley Forge interchange were reconstructed, including the westbound off ramp shown. New embankment has been built and traffic now runs on this side of barrier while the far side is under construction.



Limited work space is evident on the eastbound Valley Forge on ramp, where stone/asphalt lifts totaling 26" were needed for the new roadway. This section is finished and the construction has moved to the area behind the barrier.



A reinforced soil slope (RSS) was needed to widen the Turnpike without encroaching on neighboring right-of-way. When complete, the steps will be hidden by fill, resulting in a constant slope.



Looking east at the eastern end of the project, highway reconstruction approximately three months before the lane switch which placed traffic on the right and closed the center lanes shown.

Pre-cast bridge started, finished and functional in one week

Innovative solutions come in many forms, and this bridge over a permanent sediment basin at the Stony Creek project in Montgomery County, PA, can be considered one. By using pre-cast concrete arches to build the structure, valuable schedule time was gained when compared to conventional bridge construction. After footers were poured, ten pre-cast arches were placed in position sequentially, grouted in place and then the joints were sealed. This part of the structure was in place in one day. The second phase included the installation of 200 feet of precast wing walls. 14 pre-cast wing wall sections with embedded anchors designed to work with the backfill to act as a self-retaining structure were installed to complete the structure. This unique system was designed by Contech, the supplier of the pre-cast components for this project. The entire precast structure was installed and backfilled in less than one week. The finished bridge measures 70' wide and approximately 120' long, with the exposed walls covered in manufactured stone designed to replicate the look of natural stone indigenous to this region. Innovative solutions, especially when they are clever, quick and cost-effective, as this one is, are always appreciated by contractor and owner/customer alike.



Unique Conditions at Maryland Pipeline River Crossing Require Creative Solutions

After approximately 24 months of construction, the Stemmer's Run contracts for Baltimore County, Maryland, are nearing completion. Essentially two projects in one, they are a 72 MGD pump station (\$12 million) and 15,000 lf of 54" diameter PCCP force main (\$26.5 million) joining it to the Back River sewage treatment plant east of Baltimore City in Essex, MD. About 1,700 lf of the force main traverses the Back River at more than fifteen feet below the surface of the water. Using temporary causeways on sheet piling coffer dams and working from both shorelines toward the center of the river channel, crews have completed approximately 90 percent

of the river crossing. The terrestrial installations on both sides of the river are complete and have been pressure tested. The pump station is also at 90 percent completion, with pumps scheduled for test firing shortly and other finish work to conclude on

schedule. Under the best of conditions, Stemmer's Run would be a challenging project. It is a measure of the commitment and creativity of everyone on the job that bad weather and tight logistics were overcome and that delivery is on the horizon.



Temporary causeways facilitate installation of 54" force main fifteen feet below surface.



Tight working conditions and weather impacted complex pump station construction.

Underground Clean-Water Reservoir Completed

The new 10-million gallon Cool Springs underground reservoir in Wilmington, Delaware, is going on line after more than two years of construction. Begun in December 2005, the unique concrete structure required a single 13,000 cubic yard slab to support the new structures above. The original two-basin open reservoir was built on this site in 1877. The new structure occupies the area that was originally the south basin; the old north basin and the area above the new underground reservoir are the subject of a landscaping and beautification program under the direction of the Wilmington Bureau of Public Works.



Fall 2007

Spring 2006



Responsive Service Team Keeps Maryland Landfill Project on Track

The Quarantine Road Landfill project in Baltimore, Maryland, is now in its final stages. The work will be completed nearly one year to the day since its commencement in early 2007. The customer is the City of Baltimore, Bureau of Solid Waste. This project required over 1.5 million cubic yards of bulk excavation, and utilized five CAT excavators and 18 30-ton Volvo articulated off-road trucks to handle the volume of work. The success of this job, where the equipment was constantly on the move, is due in large part to the support and responsiveness of the service and maintenance team, who performed its work so seamlessly that little impact to crews or schedule was ever felt. American Infrastructure's equipment service and maintenance capabilities have been nationally recognized for excellence and are so highly regarded by some manufacturers that they allow us to perform OEM warranty work in our own facilities, indicating a level of confidence not often bestowed on contractors. The best equipment in the business, and more of it, spell success for us and our customers alike.

Allan A. Myers Completes Expansion of Forest Park Water Treatment Plant



New chemical building and new GAC filter construction tie into existing construction.

Allan A. Myers completed a 2½ year expansion of the Forest Park water treatment plant in Bucks County, Pennsylvania, increasing production from 20-million to 40-million gallons per day. In addition to increased capacity, the upgrades included changing the chlorine disinfection system to sodium hypochlorite generation system. Forest Park

was one of the first plants in the U.S. to employ ozone treatment for drinking water when it was first constructed in the early 1990s, and that system was also upgraded with new membrane filters created from the existing multimedia filters.



New GAC filter pipe gallery tied into the existing GAC filter pipe gallery.



Modified multimedia filters with new membrane filters installed.

Tree Spade Gets Little Rest

American Infrastructure's tree spade continues to improve landscapes throughout the Mid-Atlantic.

Recently, an office expansion project by the Berwyn Property Group in Berks County, Pennsylvania, demonstrated the win-win situation that can be achieved when a forward-thinking developer and the tree spade come together. An existing on-site parking lot was to be reconfigured as part of the expansion. Instead of cutting down the 60 mature shade trees that dotted the islands all over the parking area, the developer chose instead to have them harvested by the tree spade (above right) and replanted at the perimeter of the site to serve as a pleasing, natural buffer between the site and adjacent existing residential housing (below).



Residential developers also see the benefits that can be realized by using mature trees on their sites to enhance the visual appeal of new construction. Southeastern Pennsylvania developer Bentley Construction changed the character of its Edgemoor development (below) by relocating trees already on the site to the entrance of the property. Trees are a ready resource that add value and beauty to any site, and the American Infrastructure tree spade is what makes it all happen.



Before above, after below



Before above, after below



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