

AB&A UPDATE

SUMMER 2007



L.C. Bird students with AB&A personnel surveying the site.

Future Engineers Help Design Bridge at Pocahontas State Park

Austin Brockenbrough & Associates worked with students from Chesterfield County L.C. Bird High School in the development of a new pedestrian bridge at Pocahontas State Park. Students from the Pre-Engineering program at Bird



Survey Supervisor, Vince Temple.

under the direction of Ms. Nancy Hoover and **AB&A** Project Manager, Jeff Haas, participated in a field investigation, survey and design. This project is **AB&A's** 2007 Service Project. Prior service projects include the Chesterfield County Government Center Fitness Trails in 2005 and the design of site improvements at the new office of the Friends of Barnabas Foundation in 2006.

This project enables the park get a new bridge across Third Branch Creek and at the

same time allows aspiring engineers get some hands-on experience. The bridge will better connect campsites to the amphitheater and swimming pool. One of the biggest challenges is access to a remote location with a desire by the park to avoid extensive clearing of trees. Park Manager, Mr. Dan Quissenberry, requested a design using lightweight materials that could be delivered in sections by park personnel and then assembled in place.

Volunteering with our team were representatives from Froehling and Robertson (F&R) of Richmond for the geotechnical investigation. F&R brought in a remote controlled auger that was able to maneuver through wooded areas and avoid clearing trees for access. Other **AB&A** team members include Rachel Aylor for bridge foundation and structure design, Vann Davis for assistance with environmental and site planning, and land surveyors Vince Temple and Mark Jimison.



Students observing soils sampling by F&R.



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Work in Greek Islands

Austin Brockenbrough & Associates is prime consultant on a \$13.7M fuels project at Souda Bay, Crete, Greece. Best known for beautiful beaches and tourism, the historic island of Crete in the Mediterranean Sea, is also home to the U.S.

The facility serves as a Naval Operating Base, Naval Air Station, and Naval Weapons Station. This project is for design of new tanks, pumping, and filtration systems for the Aircraft Refueling

hydrant refueling pumphouse, considerations for explosive arcs associated with munitions loading, airfield clearance criteria, and Greek seismic design.



Don Nodes, Craig Matthews and Dang Hoanh on site.

Tim Riordan, P.E. with the Capital Improvements - Europe division of NAVFAC Atlantic, is overseeing

Naval Support Activity (NSA) Souda Bay. Crete is approximately 200 miles south of Athens and is the largest of the Greek islands.

Hydrant System. Significant project features include two 500,000 gallon cut-and-cover underground storage tanks, aircraft

this MILCON project, with construction scheduled to begin sometime in FY09. Don Nodes, P.E. is **AB&A's** PM.



Public Involvement Changes Project Outcome

Henrico County contracted **AB&A** to study and design intersection improvements at Derbyshire Road and Mooreland Road including a potential new left turn lane on Derbyshire Road. Following the preliminary evaluation and report, preliminary design,

and a public hearing, it became apparent that the majority of local property owners strongly opposed any roadway widening that would result in right-of-way impacts.

In order to accommodate the local residents the County agreed to eliminate the

turn lanes and to provide a new signal to serve the intersection. Only minor right-of-way adjustments will be needed for the signal installation that is planned for implementation at the end of this year.




Partial public hearing display and photo taken on Derbyshire looking west.

RJEC 2007 Community Service Award




AB&A was recognized at the annual Richmond Joint Engineer's Council (RJEC) banquet as the 2007 Community Service Award winner. This award was given in recognition of significant contributions to community and industry-related associa-

tions. **AB&A** employees hold key leadership positions in more than a dozen organizations and have active memberships in more than 16 organizations. Extensive community service includes annual service projects, annual Christmas Mother donations, regular blood drive donations, Adopt-A-Highway work, and student mentoring at Harrowgate Elementary and with L.C. Bird High School Pre-Engineering Specialty Center students. Last year **AB&A** was also recognized by the Chesterfield County Department of Economic Development with the First Choice Business Special Recognition Award for Community Service. 

Work on Virginia Landmarks

AB&A is providing engineering services for repair of the 19th century Chippoke's Plantation Mansion and the Sailor's Creek Hillsman House. Both projects are for the Virginia Department of Conservation and Recreation. At Chippokes Plantation State Park we are working with Commonwealth Architects to replace the existing metal roof with a historically compatible copper coated metal roof along with other repairs on the stucco chimneys. At the 1776 Hillsman House at Sailor's Creek Battlefield Historic State Park we are repairing the foundation, brick gutters, building electrical, windows and doors, and adding a handicapped viewing area for the civil war

reenactment field. Past projects that **AB&A** worked on of historical significance include the Maggie L. Walker Governor's School and the Virginia Governor's Mansion Restoration, both in Richmond. 



Portion of Historic Hillsman House

New Projects/ Contracts

Civil and Environmental Term Contract
Spotsylvania County, VA

Ventilation Upgrades
BI Chemicals
Petersburg, VA

Midlothian Turnpike Utility Adjustments
Richmond, VA

Rt. 522 Water & Sewer Lines
Goochland County, VA

LEED Visitor Center
Sailor's Creek Battlefield State Park
Amelia County, VA

Repair Historic Hillsman House
Sailor's Creek Battlefield State Park
Amelia County, VA

West End Maintenance Facility
Henrico County, VA

N. Woolridge Road Improvements
Chesterfield County, VA

Craney Island OWWO Line Replacement
VA Port Authority, Portsmouth, VA

New Fuel Farm
Camp Lemonier, Djibouti

Replace Fuel Storage Tanks & Piping
Souda Bay, Crete, Greece

Basic Engineering Services Term Contract
James City County, VA

Tank Truck Off-Loading
National Security & Crisis Mgmt Center
Amman, Jordan

Fort Clifton Park
Amphitheater Improvements
Colonial Heights, VA

Chamberlayne Rd. Waterline Improvements
Hanover County, VA

Ashley Williams represents the culture of quality and integrity that **AB&A** has

Employee Spotlight – Ashley Williams



worked hard to maintain throughout our history. In the face of the often complex, detailed challenges, Ashley is

always a calm and steady force. This year marks Ashley's 25th anniversary with **AB&A**. He serves the firm well as an Associate, Project Manager, and Civil Engineer with specialties in site development engineering, drainage design, and utilities systems. He also serves as the firm's specification specialist. Some of his current projects include site design for the new Ladysmith Elementary School, the

West End Maintenance Facility, Varina High School Dining and Field House Additions, and Ecoff Elementary School Addition. Ashley has served on the Chester YMCA Board of Management for many years and is also active in the Virginia Society of Professional Engineers and the American Society of Civil Engineers. Ashley and his wife of 38 years, Darlene, have two sons and one grandson.



Faces and Places

Welcome to **Bob Ducey** who joined the firm as a Civil Engineering Design Technician. Congratulations to **Bryan Strayer, P.E.** and **Daniel "Jed" Caldwell, P.E.** for becoming Virginia Professional Engineers.

Congratulations to **Vince Benedetti** and his wife, Janet, on the birth of a baby girl, Anna Maria Benedetti; and to **Ashley Williams** on the birth of his first grandchild, Nickolas Lee Williams.

The Governor's office has notified **Carrie Langelotti, P.E.** of her reappointment to the Virginia Design Build/Construction Management Review Board for a second four-year term. She was nominated by the Virginia Society of Professional Engineers and the American Council of Engineering Companies/Virginia as an A/E representative.



Anniversary Milestones

35 YEARS
Jerry Augst

25 YEARS
Ashley Williams

20 YEARS
Bill Green

15 YEARS
Bruce Sadler

5 YEARS
Don Nodes
Shelia Wharam
Tony Banks



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