



AB CONSULTANTS, INC. - REPRESENTATIVE PROJECTS

MDOT SBE/DBE/MBE 94-165

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The below is a representative list of projects, which include, but may not be necessarily limited to, the following services performed by AB Consultants, Inc.:

Project Name: 1600 East Randolph Road, Silver Spring-Structural Evaluation  
 Project Owner: Maryland National Capital Park and Planning- Montgomery County  
 Scope of Work: AB performed structural evaluation and assessment for the Valley Mill House, located at 1600 East Randolph Road in Silver Spring, Maryland. Structural inspection and assessment of County park building and special structures were performed to assist the Park Department in deciding the appropriate disposition of the building structures.

Project Name: 16401 Old River Road, Poolesville - Structural Evaluation  
 Project Owner: Maryland-National Capital Park and Planning  
 Services Performed: Structural Evaluation  
 Scope of Work: AB performed structural evaluation and assessment for the Upton Darby House, located at 16401 Old River Road in Poolesville, Maryland. Structural inspection and assessment of County park building and special structures were performed to assist the Park Department in deciding the appropriate disposition of the building structures.

Project Name: 1850 April Lane Structural Evaluation  
 Project Owner: MNCPP- Montgomery County  
 Scope of Work: Performed structural assessment for the above ground and visible components of the residential structure located at 1850 April Lane, located in Silver Spring, Maryland.

Project Name: Cross County Connector: Phase 5, 6 & 7  
 Project Owner: Charles County Government CIP  
 AB's Client: Charles County Government  
 Scope of Work: AB provided multi-disciplinary engineering and surveying services for a major arterial roadway, Cross County Connector, approximately 7.2 miles long (Phases 5, 6 & 7) in Charles County from Middletown Road to MD 210. This linear highway project was designed in three phases, however for MDE and USACE permitting, the three phases required permitting through those environmental agencies as one project, due to impacts to wetlands, Waters of the US, and floodplains. Engineering services included highways, hiker-biker path, structural bridge design, environmental, geotechnical, stormwater management, landscape architectural, utilities, surveying, public presentations, permitting, value engineering, construction documents and cost estimate.

Project Name: Farrar Road Bridge Design-Build (by US Army Contracting Command)  
 Project Owner: U.S. Army Contracting Command, Ft. Belvoir  
 Scope of Work: Design-Build highway bridge replacement project where AB was lead engineer. Bridge was demolished and replaced at a higher elevation. AB performed civil engineering, environmental, and permitting elements; environmental permitting and stream protection was critical. Project also included design and construction of roadway approaches to make a smooth transition for crossing the now higher bridge.



**Project Name:** Marc Halethorpe Station Temporary Bridge for Culvert Crossing

**Project Owner:** MTA, c/o W.M. Schlosser Company, Inc

**Services Performed:** Engineering / Design of Temporary Bridge

**Scope of Work:** This project included performing loading computations based on the live load and cover over the temporary culvert crossing and preparing structural design plans / sketches for the culvert crossing using twin 36" CMP pipes and stone fill.

**Project Name:** MSHU WMATA Vertical Storage Units

**Project Owner:** WMATA

**Services Performed:** Structural

**Scope of Work:** An AB consultant made a site and inspected the existing structural design load cap of the New Carrollton Yard building from As-Built plans.

**Project Name:** Structural Services for Forestville Center

**Project Owner:** ADP Consultants, Inc

**Services Performed:** Structural

**Scope of Work:** AB Consultants, Inc was responsible for the structural design at Forestville Center in Prince George's County Maryland.

**Project Name:** VA RTE 28 @ Kettle Run

**Project Owner:** Prince William County, c/o Rajan Mahima Associates

**Services Performed:** Structural Design

**Scope of Work:** AB designed pre-stressed concrete beam superstructure for replacement and widening of the Virginia Route 28 Bridge over Kettle Run, as part of the dualization of Route 28, in Prince William County, VA. Project included staged construction for MOT, and integral abutments to eliminate joints.

**Project Name:** Jones Falls Trail Emergency Structural Repair

**Project Owner:** City of Baltimore

**Scope of Work:** AB Consultants, Inc. provided the professional **structural engineering services** for evaluating the condition of the existing concrete bridge deck slab at the interface with the existing building facade, and developed plans and details for the retrofit of the joint between the building and the bridge deck and sidewalk slab. The scope of work for the project included the removal of a portion of the existing sidewalk and construction of a wider sidewalk atop the existing bridge deck in order to accommodate the Jones Falls hiker-biker trail crossing over the JFX and Amtrak using the St. Paul Street bridge.

**Project Name:** Replacement of Forest Grove Park Pedestrian Bridge

**Scope of Work:** AB created **structural design and plans for the replacement of the bridge superstructure with a prefabricated steel bridge** and modification of existing abutments for the pedestrian bridge over a tributary of Sligo Creek at Forest Grove Park for rehabilitation of a portion of the Sligo Creek hiker/biker trail network for the M-NCPPC in Montgomery County, Maryland.

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

*(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*

20. EXAMPLE PROJECT KEY NUMBER

7

21. TITLE AND LOCATION <i>(City and State)</i> <b>Farrar Road Bridge Design-Build Fort Belvoir, Virginia</b>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i> 2011

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER US Army Contracting Command	b. POINT OF CONTACT NAME Ms. Maria Bellino-Coffeen	c. POINT OF CONTACT TELEPHONE NUMBER 703-806-3870
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Design-Build highway bridge replacement project. Bridge was demolished and replaced at a higher elevation. Project also included: design, environmental permitting and protection since bridge crossed stream. Roadway approaches were removed and reconstructed to make a smooth transition for crossing the now higher bridge.

**Project Objective:**

To provide the US Army Contracting Command with the best value in addressing the Design \ Build contract of the bridge and roadway on Farrar Road at Fort Belvoir. Farrar Road provides access to Davison Airfield, by crossing Accotink Creek. This bridge was constructed by the 11<sup>th</sup> Heavy Combat Engineers Battalion in 1988. The project scope includes design, permitting, and construction to replace the existing bridge by constructing new foundations behind the existing ones and raise the deck elevation approximately 7.5 to 8 feet higher than the existing elevation, and then to tie the new bridges approaches into the existing roadway



**Design Responsibilities:**

Design new bridge at least 37'-00" wide with bottom beams level at least 7'-6" higher than the existing bridge, with a sidewalk and railing. Modify Farrar Road on both sides of the bridge to provide proper slope and elevation conforming to federal highway standard. Perform and provide all required surveying, environmental investigations and protection and impact plans, geotechnical investigations and design recommendations report, demolition plan, erosion and sediment control design, utility relocation coordination, structural design calculations, approach roadway design, pavement striping design, and maintenance of traffic design. PE seal design calculations, specifications, and construction plans. Meet Virginia Department of Transportation requirements for a 70 ton loading, Federal Highway Administration and any other regulatory authority requirements to obtain necessary permits, as well as providing a project to the US Army as client which fulfills the contract and meets their needs.



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME AB Consultants, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Lanham, Maryland	(3) ROLE Civil, Structural, Geotechnical, Environmental Engineering, Land Surveying, SUE
b.	(1) FIRM NAME AB Construction, Inc.	(2) FIRM LOCATION <i>(City and State)</i> La Plata, Maryland	(3) ROLE Bridge and Roadway Construction
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

AB Project ID: :2009186