



AB Consultants, Inc. (Headquarters) 9450 Annapolis Road Lanham, Maryland 20706 Phone: 301-306-3091 Fax: 301-306-3092	AB Consultants, Inc. (Baltimore) 7020 Tudsbury Road Windsor Mill, Maryland 21244 Phone: 443-729-2650 Fax: 443-729-2711
Contacts: Mr. Amrish Patel, PE, President Mr. Kirk McClelland, PE, Senior VP Mr. Michael Morse, FE/EIT, Marketing	amrish.patel@abconsultantsinc.com kirk.mcclelland@abconsultantsinc.com michael.morse@abconsultantsinc.com

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: 6905 Wells Parkway, University Park
Project Owner: c/o Prime Engineering, Inc.
Services Performed: CCTV Inspection
Scope of Work: AB Consultants, Inc performed CCTV inspections and conditional pipeline assessment of 100 LF of storm drainage as per NASCCO guidelines and prepared assessment reports for client along with video recording.

Project Name: BCS 2005-13G, Task #51: Engineering and Drainage System Inspection Services for MD 4
Project Owner: Maryland State Highway Administration
Services Performed: Perform CCTV inspections
Scope of Work: AB performed pre-rehabilitation design CCTV inspections for a total of 3700 LF of various sizes of storm water pipes ranging from 18" to 60" in diameter. The inspections were conducted using an Aries TR3000 badger unit and the pipes were coded per the NASCO PACP coding system. Reporting for each day of the inspection work was sent to the engineer with videos, and inspection reports with pictures of defects noted.

Project Name: Biemans Terrace- Springdale, S10-029, Task #23
Project Owner: PG County
Services Performed: CCTV, Utility Test Pits, Geotechnical
Scope of Work: AB Consultants, Inc. provided geotechnical investigations and engineering services for the referenced project, which consisted of review of a previous CCTV inspection of the storm drain system, a geotechnical investigation of soil conditions within the storm drain trench and other areas of settlement, and a report of the findings and remedial recommendations. The geotechnical drilling was assisted by subsurface utility location with air-vacuum excavation to avoid drilling through the pipe or other utility.

Project Name: Cabin John Basin ESA, Task 12
Project Owner: WSSC
Services Performed: Pipeline Cleaning and CCTV Inspections
Scope of Work: AB performed CCTV services for the referenced project. The scope of services included 290 LF of sewer pipeline cleaning using Jet/Vac truck, followed by AB performing pipeline inspection using CCTV technology.

Project Name: Cabin John Basin ESA, Task Order 15
Project Owner: WSSC
Services Performed: Pipeline Cleaning and CCTV Inspections
Scope of Work: AB performed CCTV services for the referenced project. The scope of services included 1,313 LF of sewer pipeline cleaning using Jet/Vac truck, followed by AB performing pipeline inspection using CCTV technology.



Project Name: Cabin John Basin ESA, Task Order 17

Project Owner: WSSC

Services Performed: Pipeline Cleaning and CCTV Inspections

Scope of Work: AB performed CCTV services for the referenced project. The scope of services included 220 LF of sewer pipeline cleaning using Jet/Vac truck, followed by AB performing pipeline inspection using CCTV technology.

Project Name: Cabin John Basin ESA, Task Order 9

Project Owner: WSSC

Services Performed: Pipeline Cleaning and CCTV Inspections

Scope of Work: AB performed CCTV services for the referenced project. The scope of services included 1,073 LF of sewer pipeline cleaning using Jet/Vac truck, followed by AB performing pipeline inspection using CCTV technology.

Project Name: Cabin John Basin; C15385A12-Deborah Drive, Task # 22

Project Owner: WSSC

Services Performed: CCTV

Scope of Work: AB performed CCTV services for the referenced project. The scope of services included sewer pipeline cleaning using Jet/Vac truck, followed by AB performing pipeline inspection using CCTV technology.

Project Name: CCTV- I-83 Southbound from Mount Carmel Road to Shawan Road; BCS 2007-04D, Task #22

Project Owner: SHA

Services Performed: CCTV, MOT

Scope of Work: AB Consultants, Inc. performed CCTV inspection /assessment for existing storm drain system along I-83 from Mt Carmel to Shawan Road. The purpose of these assessments was to determine the condition of existing storm drain pipes. A total of 125 LF was CCTV inspected. Pipes were underneath I-83 and accessed from the end walls or inlet in the shoulders of the interstate.

Project Name: City of Baltimore #1141 Task #7: High Level Sewershed Project CCTV

Project Owner: City of Baltimore

Services Performed: CCTV

Scope of Work: AB Consultants, Inc. provided CCTV services for City of Baltimore Improvements to the High Level Sewershed Collection System Project for the City of Baltimore in Maryland.

Project Name: Giant Gas Station CCTV Pipe Inspection

Project Owner: Giant

Services Performed: CCTV Inspection/Assessment Services

Scope of Work: AB performed CCTV inspection/assessment for existing storm drain system at the Giant Gas Station in Mt Joy. The purpose of these assessments was to determine the condition of the system. AB created a summary report of findings for client.

Project Name: I-270 Video Inspection Pipes, Task # 8

Project Owner: MDSHA

GFIServices Performed: CCTV

Scope of Work: AB performed CCTV inspection assessment for an existing storm drain system along I-270 Northbound. The purpose of this assessment was to determine the condition of existing storm drain pipes. The storm pipes which were inspected had a diameter ranging from 15- to 36-inches with about 24 access points for accessing the storm drain pipes. A total footage of about 3,000 linear feet was inspected by CCTV. Approximately 50% of the pipes required cleaning by high pressure jet and vacuum.



Project Name: I-695, North of MD 122; BCS 2007-04D, TASK 13

Project Owner: SHA

Services Performed: CCTV

Scope of Work: AB Consultants, Inc. provided CCTV inspection /assessment for existing storm drain system Along I-695, north of MD 122. The purpose of the assessments were to determine the condition of existing storm drain pipes. Four (4) storm drain pipes with diameter ranging from 24- to 42-inches; a total footage of about 400 LF was inspected by CCTV. AB prepared a summary report for client.

Project Name: Keedysville CCTV

Project Owner: MDSHA

Services Performed: CCTV

Scope of Work: AB Consultants, Inc. performed CCTV inspection for the referenced project. The purpose of this task was to determine the condition of existing storm drain pipes and their associated structures. The storm drain pipes inspected have a diameter ranging from 15 to 42 inches plus a 2x2, 2x3, 3x3, 4x2 and 4x3 structures. A total footage of 950 linear feet was inspected.

Project Name: Light Rail Howard Street Embedded Track Investigation; MTA 1117E, Task # 96

Project Owner: MTA

Services Performed: Utility Designation/GPR, CCTV, Geotechnical Investigations, Test Pits

Scope of Work: AB Consultants, Inc. performed Utility Designations, Utility Test Holes, Ground Penetrating Radar (GPR) investigation, CCTV and Geotechnical Investigation services in support of Light Rail track subsurface condition evaluation along Howard Street, Baltimore, Maryland. Three (3) locations/intersections along Howard Street were identified for this phase of study: Clay Street, Lexington Street, and Baltimore Street.

Project Name: MD 5 MD 223 to South of I-95; BCS 2005-13G, Task # 23

Project Owner: SHA

Services Performed: CCTV, MOT

Scope of Work: AB Consultants, Inc. provided CCTV inspection /assessment for pipes at the manhole of Malcolm Road intersecting MD Route 5. The purpose of these assessments was to determine the condition of existing storm drain pipes, that included a video inspection of both of the pipes, the manhole, location of the pipe joints, and a slow video inspection of each of the pipe joints. AB created a summary report and provided to their client.

Project Name: MD 528 from 62nd St. to Convention Ctr Dr., Task 21

Project Owner: MDSHA

Services Performed: CCTV Inspections, Engineering

Scope of Work: AB performed engineering and CCTV inspection services. AB performed a visual inspection of a sample of structures (inlets, manholes, outfall headwalls, and surface above pipe) for noticeable significant deterioration. The system inspected consisted of approximately 800 linear feet HDPE storm drain pipes of sizes between 12" and 24". Most of the inspection was performed for 24" in diameter pipes with four (4) access points. A light cleaning (debris removal) was performed at entrance of existing storm drains as necessary for entry and travel of camera crawler unit. AB also performed CCTV inspections and conditional assessment as per NASCCO guidelines. The camera stopped at all points of interest and provided camera views from multiple angles. All findings were logged by distance from the pipe entrance points.

Project Name: Nice Bridge- MDTA Storm Drain Inspection (CCTV)

Project Owner: MDTA, c/o Century Engineering, Inc

Services Performed: CCTV

Scope of Work: AB performed Mob / Demob of CCTV Van Unit, Pipe Inspection and Videography using CCTV for approximately 250 feet of thirty-six inch (36") CMP storm drain. AB created and provided the client with a summary report of findings.



Project Name: On Call Video Inspection Services

Project Owner: MDSHA

Services Performed: CCTV

Scope of Work: AB performed on-call CCTV inspection for the referenced project. The purpose of this task is to determine the condition of existing storm drain pipes and their associated structures (inlets, manholes, outfalls,). The storm drain pipes inspected had a diameter ranging from 15 to 36 inches. A total footage of 9,500 linear feet was inspected. Light cleaning of pipes was performed as needed by Jet/Vac. AB prepared Assessment Report along with Video Recording as per NASSCO guidelines.

Project Name: US 40 @ Rogers Avenue; BCS 2011-09K, Task # 18

Project Owner: SHA

Services Performed: CCTV

Scope of Work: AB Consultants, Inc. obtained necessary permits, did a pre-mobilization site visit, performed 400 LF of storm drain video pipe inspection, and created and provided a summary report of findings.