BSCI
“Best Solutions and Cost-effective Innovations”
QUALIFICATIONS SUMMARY
Mission Statement

BSCI, Inc. is a community oriented company committed to consistent delivery of cost-effective, innovative solutions.
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Established in 1987

BSCI, Inc. is a Houston-based firm offering Construction Management, Project Management and Construction Inspection services. In addition, we offer constructability review, construction administration, quality assurance inspection, data management and environmental management services to the both municipalities and private sector owners. We have a demonstrated track record of streamlining the construction process while protecting our client’s resources, revenue stream, and/or constituency. We have a top down and bottom up commitment to deliver cost effective, state-of-the-industry construction and real estate development programming. Our team of seasoned construction management professionals are experts in their respective fields (civil engineering, architecture, construction cost accounting, project controls, information technology and environmental assessment).

As managers we understand the business as well as the science of construction. Our primary objective is to maximize production and to minimize waste. The key to this is relationship management; understanding and facilitating the synchronized interaction between stakeholders as well as construction related activities. Our mandate is excellence: in form, function and service to our clients.

Unique Solutions Through Team Approach

BSCI, Inc. uses the project team approach to accomplish our client’s objectives. Our team of professionals represent more than 35 specialists. Through the utilization of several disciplines, clients are assured a greater level of service.

When contracted to provide Construction Management or Project Management services, a team is formed before the project gets underway. Team members are selected on the basis of individual expertise. A Project Manager is appointed and has overall responsibility from design through project completion. When contracted to provide Construction Inspection services, each Inspector has at their disposal the resources of the entire BSCI team.
Long-standing Associations With Our Clients

BSCI, Inc. has a strong commitment to deliver quality service to its clients. Our commitment to quality, along with the ability to stay abreast of changing trends and technological advances in the marketplace, distinguish BSCI from its competitors. Our effectiveness is evidenced by the fact that our clients often request our services on multiple projects.

Since our inception, BSCI, Inc. has completed more than 50 major consulting assignments and has managed projects valued in excess of $4 billion. More than half of our current projects represent ongoing relationships with existing clients.

BSCI, Inc. Client List

City of Houston Department of Public Works
City of Houston Department of Aviation
Harris County Engineering and Planning
Metropolitan Transit Authority of Harris County
U. S. Department of Fish and Wildlife
Brown and Root
Parsons Brinkerhoff
Texas Southern University
Rice University
The University of Texas
The University of Houston
District of Columbia Water and Sewer Authority

Professional Staff Classifications:

- Construction Managers
- Construction Inspectors
- Mechanical Engineers
- Electrical Engineers
- Civil Engineers
- Project Managers
- Schedulers/Estimators
- Architects
- Technical Administrators
- Administrative Support
<table>
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<th>Locations</th>
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| Houston Corporate Office  
1802 Calumet  
Houston, Texas  77004  
Phone: (713) 529-4949  
Fax: (713) 529-4040 |
| Dallas Office  
11615 Forest Central Drive, Suite 101-B  
Dallas, Texas  75243-6614 |
| San Antonio Office  
210 S. Grimes, Suite 204  
San Antonio, Texas  78203-2100 |
| Washington DC Office  
BSCI-Washington, L.L.C.  
Georgetown Place  
1101 30th Street, NW, Suite 500  
Washington, DC  20007  
PHONE: (202)625-8337 |
BSCI, Inc. offers the following services:

* Program Management
* Project Management
* Construction Management
* Construction Inspection
* Administrative Support
Construction Program Management

- Owner representation
  - Budget and Cost Control
  - Schedule Analysis
  - Contract Compliance
  - Risk Management
  - Constructability Review
  - Quality Assurance
  - Document Control

- Stakeholder Communication
  - Progress Reports
  - Information Management
❖ Project Design Oversight
  ✓ Pre-design Conceptualization
  ✓ Pre-qualification of Professional Services
  ✓ Value Engineering
  ✓ Cost Estimation
  ✓ LEED™ Evaluation

❖ Project Management
  ✓ Project Controls
  ✓ Quality Assurance
  ✓ Project Close-out
BSCI Services

+ Quality Assurance Inspection
  ✓ We document daily progress of Contractor and Sub-contractors
  ✓ BSCI is on-site to inspect all materials and methods used
  ✓ We ensure construction techniques meet/exceed:
    Construction Drawings
    Specifications
    Building, Life/Safety Codes
Project Experience

BSCI’s Project Experience Encompasses

Water & Wastewater Infrastructure

Transportation Infrastructure

Facilities, New Construction & Renovation

Environment Management
District of Columbia Water and Sewer Authority
Biosolids Management Program

Brian Smith Construction is subcontracting with Brown and Caldwell to execute the Program Management contract for DC Water and Sewer Authority. BSCI, Inc. is working with Brown and Caldwell staff to implement a new system in order to meet the demands of the 21st century. In one of the nation’s most ambitious and innovative biosolids management programs, the new and upgraded process will replace lime stabilization with thermal hydrolysis and mesophilic anaerobic digestion. The team will provide program management services to oversee the accomplishment of projects comprising the Biosolids Management Plan for the Blue Plains Advanced Wastewater Treatment Plant along with other projects related to biosolids processing at the plant.

BSCI will participate with program management to help establish scopes, budgets and schedules in the Authority’s capital improvements program for required projects, negotiating and managing the preparation of designs for construction bidding by other Project Design Engineers and coordinating designer services during construction.

Contract Value: $12,100,000
Owner: DC WASA
Prime: Brown & Caldwell
Contact: Phil Braswell
PBraswell@BrwnCald.com
Kirby Drive Relief Storm Sewer Phase 2

In July 2009, BSCI, Inc. was awarded a Construction Management contract with the City of Houston’s Public Works and Engineering Department. BSCI teamed with United Engineers, Infrastructure Associates, Inc. and SES Horizon Consulting Engineers to provide construction management and inspections services. This is a storm sewer relief project located west of Kirby drive, east of River Oaks Blvd and south bound on Inwood Drive within the River Oaks Community. The construction cost of this project is $10,923,847. The scheduled completion date is September 2010.

**SCOPE OF SERVICES FOR PROJECT:**

- Construction of 27, 21 and 31 foot wide paving with 8 inch thick concrete pavement.
- Construction of asphalt transition pavements at intersecting streets
- Construction of 6 inch thick live stabilization subgrade
- Construction of 24 inch mch to 96 mch rcp pipes, with over 200 ln ft. 84” inch storm sewer pipe jacked tunnels including inlets, manholes and junction boxes.
- Construction of 4-1/2 inch concrete sidewalk and wheelchair ramps and 6” concrete driveways.
- Construction of 6, 9, 10, 15, and 21 inch sanitary waste sewer lines with various construction methods by open cut, auguring, and pipe burst the existing pipes, including manholes and reconnecting the existing service lines.
- Construction of 8-inch waterline with open cut and auguring on Bellmeade Road from Ella Lee Lane to Westheimer Road including the fire hydrants and different size of valves.
- Construction of 4-inch to 24-inch thermoplastic pavement markings as well as the installation of traffic control and street signs.
- Replacement of street lights including electrical conduit installations.

**Project Value:** $10.9 million

**References:**

JoAnne Kamman, P.E.
City of Houston, PW&E
611 Walker, 17th Floor
Houston, Texas 77002
832-395-2394
HOV Lane Automated Reversible Gate Operation (ARGO) & High Occupancy Toll (HOT) Lanes Project

Brian Smith Construction Inspection, BSCI-Inc., was notified in 2010 by Houston’s Metropolitan Transit Authority of Harris County (METRO) through work authorization to provide field inspection services for the HOV Automated Reversible Gate Operation Project. METRO’s prime construction contractor, TransCore will design, furnish, install, operate, and maintain a high occupancy toll and automated reversible gate operation system for 83 miles of reversible high occupancy vehicle (HOV) lanes. The total contract is valued at an estimated $81 million and is 80-percent federally funded. The first corridors will be operational by late 2011 and the entire system will be completed in two years. TransCore will provide operations and maintenance of the system for five years following the installation.

The High Occupancy Vehicle Improvement Program will convert five existing HOV corridors throughout the Houston metropolitan area, including I-45 North and South, U.S. 290, and U.S. 59 North and South, to allow single-occupant vehicles access to the HOV lanes for a toll and the program will improve safety by providing an automated reversible gate operation (ARGO) system to control entry into the reversible roadway system. The conversion is expected to increase utilization of the HOV system by up to 50 percent and decrease congestion in the general purpose freeway lanes. The HOV Improvement Program includes 156 lanes, a customer service center, and back-office systems, as well as an interface with the area’s multi-agency traffic management center, Houston TranStar. The system will be fully electronic and tolls will be calculated using variable pricing.

**Scope of Inspection Services Provided on Project:**

- Assure compliance with contract requirements; permit prompt and appropriate corrective action.
- Provide daily reporting of progress of construction to ensure compliance by bound inspector’s diary and electronic transmission.
- Monitor compliance of TxDOT specifications.
- Review and approve product submittals.
- Provide suggestions for improvements to the plans and specifications to save time and expense during this design-build process.
- Monitor site conditions and notify appropriate personnel of unstable conditions.

Project Value: $81,000,000

References:
Larry Horst.  
Metro Project Manager  
1900 Main  
Houston, Texas 77002  
713-739-6655
Project Experience

Katy-Ft Bend County Road- Metro Transit Authority

In 2010, BSCI, Inc. was issued a work authorization for Construction Management and inspection services contract by Harris County Metropolitan Transit Authority. BSCI is the prime contractor for this work authorization. BSCI will provide construction management and inspections services. MDBE subconsultants include ESPA Corp, MDA, Inc. and Gunder Inc. The project is located on an existing Harris County-maintained 2-lane undivided asphalt roadway with open drainage ditches. The road will be reconstructed to a 4-lane divided concrete boulevard section with underground water and storm drainage lines from IH-10 to Colonial Parkway- a distance of approximately 0.625 miles.

**SCOPE OF SERVICES PROVIDED ON PROJECT: CM AND INSPECTION**

- Providing daily reporting of progress of construction to ensure compliance with contract plans and specifications.
- Conduct bi-weekly progress meetings.
- Review and approve product submittals.
- Process contractor's pay estimates.
- Review and respond to RFI's and Change Orders.
- Address citizen complaints and concerns.
- Resolve utility conflicts that impede construction activity through inter-agency coordination.
- Monitor lab testing of materials and samples.
- Ensure work is done in accordance to OSHA safety procedures.

**Project Value:** $2,932,296.40

**References:**
Mike McCoy, P.E.
Metro Project Manager
1900 Main
Houston, Texas  77002
713-739-6855
San Antonio International Airport Terminal Expansion Program

In June 2007, the City of San Antonio chose Clark/Byrne, A Joint Venture as the Construction Manager at Risk (CMR) for the San Antonio International Airport (SAIA) Terminal Expansion Program. The Clark/Byrne Construction Manager at Risk contract is the first of its kind for the City of San Antonio. This project will forever mark the City of San Antonio history pages, as the single-largest Capital Improvement project in City history. This project includes nearly 300,000 square feet of new terminal space, renovation of existing terminal space in excess of 40,000 square feet, a new Central Utility Plant, and over 9000 linear square feet of baggage handling systems. Total project costs are estimated at nearly $200 million dollars.

Owner: City of San Antonio

BSCI Inc. is providing support to

Project Management team,
Program Management team
Project Construction team

Project Value: $200 million

References:
Chris Desko, Clark Byrne
Clark Byrne a Joint Venture
1303 N. Terminal Drive
San Antonio, Tx 78216
212-319-2100
University of Houston Downtown - Academic Building and Parking Garage Project

PGAL, Inc. contracted with BSCI Inc. for inspection services for a new 4 story 132,500 sf Academic Building and 620 spaces Parking Garage at the University of Houston Downtown campus. The design build project located in a dense urban area incorporates a design concept that reinforces both a physical and visual connection to the University of Houston Downtown One Main Building. The construction cost was $28.3 million with a completion date of 2007.

**Scope of Services:**

- Provided inspection of structural construction including concrete
- Provided daily inspection reports for all structural activity
- Provided periodic construction activity photos
- Reviewed proposed schedule for accuracy
- Documented and reported construction activity not consistent with contract specifications

Project Value: $28.4 Million

References:

Paul Bonnette, AIA
Senior Associate, PGAL
55555 San Felipe, #1000
Houston, Texas  77056
713-622-1919
The University of Texas Perimeter Berm Project-Houston

The University of Texas Perimeter Berm Project was a $5.5 million project comprised of three elements: a berm to provide flood protection for the UT Medical School and John Freeman Building, a higher active flood protection perimeter wall and flood gates to provide protection for the truck dock and the northwest entry plaza, and the associated utility and drainage improvements. The project scope was developed from the FEMA 404 project grants resulting from Tropical Storm Allison. BSCI was contracted for construction management inspection services.

The passive berm protection project consists of raising the perimeter elevation. This included raising the highpoint of the tow driveways into the site at the southwest corner, earthen berms along Fannin, and a redesigned northwest entry plaza. Attempts are still being made to include the raising of Ross Sterling on both the west and east sides of the building. Coordination with Hermann Hospital and the Houston Academy of Medicine are being made as well.

The active protection system also includes berms supplemented with walls at the higher elevation to meet the 500-year flood protection plan for Texas Medical Center. Since there is an interior active flood protection system, this system serves as added protection for the more vulnerable lower dock area and the northwest entry plaza. The berm system will provide a place of refuge outside the building in case of fire or other problems within the building during a flood event. Due to physical constraints, the higher elevation only extends around the west side of the site. The interior protection system would be required to handle the flooding on the north and east sides.

In order for the flood protection to work, certain utility improvements were required. The storm lines were in need of repair and the pump systems were upgraded. In addition to the wastewater systems, the interior ejector systems and other building penetrations were also made flood tight.

Project Value: $5.5 Million
Project Mgr: Leo Garcia
Office of Facilities Planning & Construction
The University of Texas System
6900 Fannin Street
Houston, TX 77030
713 794-4411
Rehabilitation of the Potomac Pumping Station

URS Corporation contracted with BSCI to provide Construction Phase Management and related Engineering Services for the District of Columbia Water and Sewer Authority for the Potomac Pumping Station Rehabilitation Project in Washington, D.C. This project is scheduled for duration of 27 months and is valued at $11 M. It consists of the rehabilitation of the 460 MGD combination sewer/storm water Potomac Pumping Station. The project includes:

- Demolition and replacement of existing electrical substations, including installation and removal of a temporary electrical building
- Renovation of three sewage pumps including replacement of motors and variable frequency drives
- Partial demolition and modification of concrete motor supports for three pumps and surrounding platforms
- Renovation of ball valves and replacement of actuators
- Modifications to wet walls, intake conduits, and existing 5-KV switchgear
- Demolition and replacement of existing 480-volt motor control center
- Replacement of the existing pumping control panel with a new PLC panel
- Replacement of the existing HVAC system serving the Operating Room & Screen Room
- Construction of an Operator Control Room

SCOPE OF SERVICES:

- Office engineering including review of all drawings not reviewed by the Design Engineer, schedules, and other construction contractor submittals
- Preparation and negotiation of Change Orders
- General Construction Management
- Resident Engineering and Inspection
- Quality Assurance
- Materials testing
- Claims avoidance, claims analysis and management
- EPA Grant Close-out
- Incidental and reasonable services necessary to complete the work

Project Value : $11 million
References: Shua Mengale, URS Corp
2020 K Street N.W.
Washington, DC 20006 Map
(202)355-2910
BSCI, Inc. was contracted by Texas Children’s Hospital (TCH) to provide construction project management services for Feigin Center’s state-of-the-art research facility for more than 120 researchers from Texas Children's and Baylor College of Medicine. The project consists of a vertical expansion of eight floors and 206,000 square feet of space, to an existing 12 story research and office building. The project includes a 2 story Vivarium Imaging Suite addition of approximately 6,000 square feet. Other additions are to include minor interior renovation of the existing Vivarium on Level 1 and related interior renovations at Level 2. BSCI provided construction administration (CA) services and Project Management Services to TCH during the construction of the shell, core and interior build-out of the work, along with assistance in occupancy phase activities. The construction value was 4 million dollars and the project was successfully completed in June 2009.

Scope of Work Included:

- Provide sufficient personnel and management to carry out the requirements of TCH’s interest.
- Assistance in preparation and issuances of Requests for Proposals as directed by TCH.
- Expedite the resolution of technical problems and field conflicts. Observe tests required by Contract Documents.
- Monitor the contractor’s construction schedules on an ongoing basis and alert TCH to conditions that may lead to delays in completion of the work.
- Participate in proposal requests and review all change orders, advising TCH with respect to their validity and the potential impact on the project schedule.
- Review all cost saving proposals of Project contractor, subcontractors and suppliers.
- Periodically monitor the commissioning of the utilities, operations of systems and equipment, initial start-up, and testing by Project Contractor.
- Assist Architect with warranties and similar submittals required for delivery to TCH. Coordinate delivery of all keys, manuals, record drawings and maintenance stock to TCH.
BSCI, Inc. teamed with ESPA Corp. to manage and inspect the Reconstruction of Mesa Street from Tidwell Road to Little York Road in Houston, Texas. The construction cost of this project is $10,446,736.15. Scheduled completion: March 2008

Scope of Services

- Construction of 55 foot wide concrete pavement boulevard
- Construction of asphalt transition pavements at the intersecting streets.
- Construction of 6-inch and 8-inch thick lime-fly ash stabilized subgrade.
- Construction of 7-inch and 10-inch concrete pavement and asphalt pavement and base.
- Construction of 12-inch PVC drain pipe; 24-inch to 72-inch RCP pipes; 5’ x 9’, 6’ x 4’, 7’ x 5’, and 8’ x 5’ RCBC pipes including inlet, manholes and junction boxes; and roadside ditch construction and regarding of existing ditches.
- Construction of 4-1/2-inch concrete sidewalk and wheelchair ramps; and 7-inch concrete driveways.
- Construction of 4-inch to 24-inch thermoplastic pavement marking as well as the installation of traffic control and street signs.
- Construction of 6-inch to 16-inch waterline; 8-inch to 16-inch sanitary sewer line; and related appurtenances.

Project Value: $10.4 Million

References:
Jerry Sowels, ESPA Corp.
713-680-0080
7120 Grand Boulevard, Ste. 100
Houston, Texas 77054
City of Houston Sims Bayou and Bellaire Braes Pump Stations Improvements Project

BSCI, Inc. was contracted by City Of Houston Public Works and Engineering Department to oversee the construction improvements to the Sims Bayou pump Station and Bellaire Braes Pump Station. Project construction value of 3.1 million dollars and the estimated completion of project is November 2008.

Scope of Work Included:

- Construction of prefabricated modular concrete building for ammonia storage, including ammonium 7,000 gallon storage tank, 20 gallon per hour (GPH) ammonia vacuum feeder system, one 10 GPH ammonia vacuum feeder system for ground water and two booster pumps for ammonia injection.
- Construction of an above-ground chemical feed piping run on the groundwater line near Tank 4. Re-route chlorine solution feed line from existing to new chemical feed piping run.
- Construction and installation of a dry-type chlorine scrubber and controls and new interconnecting ductwork to the existing chlorine storage feed rooms.
- Programming, configuration and integration to establish system communication configuration and communication between all fields.
- Demolition of two existing ammonium sulfate chemical feed pump systems, day tank, and piping and controls for conversion to ejector-based system.
- Installation of new above ground meter run and meter run by-pass line.
- Installation of 48inch carbon steel yard piping to the surface water line.
- Geotechnical investigation for soil conditions for the successful implementation of the work.

Project Value: $3.1 Million

References:
Tom Fung, P.E., City of Houston
611 Walker, 17th Floor
Houston, Texas 77004
713-837-4000
BSCI, Inc. began a contract with the City of Missouri City for Construction Inspection and Inspector Training in January 2006.

The first phase of the contract consisted of:
- General construction oversight
- Preparation of two city employees to conduct inspections

The second contract consisted of:
- General construction oversight
- Training of two employees to conduct inspections
- Plan review duties including Public Works residential, commercial, right-of-way drawings and defect reporting
- Public Works representation on the job site
- Administering tests as required
- Design assistance
- Explanation of infrastructure requirements and general engineering principals were also required from both Public Works and Planning Departments in Missouri City.

A general city representative was required on all job sites to insure that contractors delivered a quality product. The importance of training prospective inspectors was emphasized to carry out this goal. The project is being carried out as outlined in the contract and should be concluded in a timely manner.

Reference: Frank Simpson
City of Missouri City
1522 Texas Parkway
Missouri City, Tx 77489
(281)403-8500
fsimpson@missouricitytx.gov
The Rehabilitation of the Main and ‘O’ Street Pumping Station

URS Corporation contracted with BSCI to provide Construction Phase Management and related engineering services for the District of Columbia Water and Sewer Authority for the rehabilitation of the Main and the ‘O’ Street Pumping Station and also the Replacement of Screens for the Main Pumping Station in Washington, D.C. The duration of the project is for one to three years valued at $42 Million and it consists of:

(a) the rehabilitation and upgrade of the existing 200 MGD Main Pumping Station to 240 MGD
(b) the rehabilitation of the 45 MGD ‘O’ Street Storm Water Pumping Station

The contract for the Main Pumping Station included:

- Rehabilitation of Sanitary Pumps, Nos. 1 – 4
- Removal of existing low area sewer pumps, piping and appurtenances
- Installation of new HVAC systems
- Instrumentation and controls upgrades and improvements
- Removal of two (2) underground storage tanks, appurtenant piping, and equipment
- Rehabilitation/replacement of gates and valves
- Rehabilitation/replacement the tide gates
- Facade cleaning and mortar repairs
- Office space refurbishment
- Provision of a temporary office complex
- Replacement of the electrical distribution system
- Construction of new locker and restroom facilities
- Application of elastomeric roofing system
- Construction of a redundant data center

Improvements for the ‘O’ Pumping Station included:

- Replacement of the sanitary pumps, intermediate shafting and motors
- Installation of an odor control system
- New mechanical screens
- New screening conveyance equipment
- New HVAC system
- Temporary office complex for use during construction
- Replacement of electrical distribution systems
- Miscellaneous instrumentation and controls upgrades
- Replacement of building roof and parapet
- Interior architectural rehabilitation of office space

Project Value: $42 million
References: Shuas Mengale, URS Corp
2020 K Street N.W.
Washington, DC 20006 Map
(202)355-2910
Replacement of the Anacostia Pumping Station Project

EA Engineering, contracted with BSCI Inc. for Construction of the new finished water pumping station capable of pumping into three different service areas and involving a total of twelve new pumping units. The project includes the complete construction of a new pumping station structure to include lower level area, pump room, operators’ room, electrical room, battery room and generator room. Site work to include excavation, dewatering, paving, landscaping, fencing and miscellaneous site improvements.

Construction to include a new electrical substation and new underground feeder duct banks to facilitate operation of the new pumping station. The substation will also include a diesel storage tank. A façade wall constructed around the entire west, north and east sides of the facility. The entire substation will be constructed on a concrete pad. The existing electrical substation will be removed after the new pumping station has been operational for a period of 30 days.

Project Value: $3.5 Million
References:
Tanweer Baig, P.E.
301 Bryant Street
Washington, DC 20001
202/462-5117
202/306 7205
Rehabilitation of the East Side Pumping Station

EA Engineering, Science, and Technology Inc. contracted with BSCI to provide Construction Phase Management-related Engineering Services for the District of Columbia Water and Sewer Authority for the East Side Pumping Station Rehabilitation at Anacostia Park, Washington, D.C. The duration of this project is 803 calendar day and has a value of $12.2 Million. It consists of the construction of 45 new MGD combination sewer/storm water pumping stations. It included installation of the following:

- Erosion and sediment controls
- Evacuation and support systems
- Foundation piles and groundwater dewatering system
- Structural building components
- Civil site work and utilities
- Landscaping
- Four 15 MGD pumps with valves, piping, and process equipment
- HVAC systems
- Plumbing systems
- Architectural features
- Electrical systems
- Ductbanks,
- Force Main
- Underground vaults
- Flow diversion structures
- Interconnection utilities
- Hazardous materials removal & disposal from within the existing pumping station
- Demolition & removal of the existing pumping station

SCOPE OF SERVICES:

- General Construction Management
- Office engineering including review of all drawings not reviewed by the Design Engineer, schedules, and other construction contractor submittals
- Preparation and negotiation of Change Orders
- Resident Engineering and Inspection
- Quality Assurance
- Materials testing
- Claims avoidance, claims analysis and management
- EPA Grant Close-out
- Incidental and reasonable services necessary to complete the work

Project Value: $12.2 million
References: Tanweer Baig, P.E.
301 Bryant Steet
Washington, DC 20001
202-462-5117
202-306-7205
Replacement of Screens at the Main Pumping Station

The duration of Contract 2 is 19 months with an $8M value. It consists of the Replacement of Screens at the Main Pumping Station. It includes:

- Installation of two new mechanical screens and one trash rack
- Installation of new screenings conveyance and handling equipment including a belt conveyor washer compactor and diverter plate
- Installation of the Odor Control System and connecting ductwork
- Installation of a new HVAC in the screening area
- Civil/Site work including airlocks, isolation walls, and door and window rehabilitation
- Replacement of Electrical Distribution Systems in the screenings area
- Architectural upgrades including airlocks, isolation walls, and door and window rehabilitation
- Structural modification including slab replacements, wall removals and bypass screen room roof replacement
- Modifications to the existing Bypass Screen
- Rehabilitation of three Sluice Gates

SCOPE OF SERVICES:

- General Construction Management
- Office engineering including review of all drawings not reviewed by the Design Engineer, schedules, and other construction contractor submittals
- Preparation of and negotiation of Change Orders
- Resident Engineering and Inspection
- Materials Testing
- Quality Assurance
- Claims avoidance, claims analysis and management
- EPA Grant Close-Out
- Incidental and reasonable services necessary to complete the work

Project Value: 8 million
References: Shuas Mengale, URS Corp
2020 K Street N.W.
Washington, DC 20006 Map
(202)355-2910
Project Experience

Rice University
Main Street Storm Sewer
Drainage System Project

Brian Smith Construction Inspection, Inc. (BSCI) provided Project Management and Construction Inspection Services. Project duration for this project was four months.

Project Value: $807,083.82
Reference: Max Amery, P.E.
Rice University
Facilities & Engineering – MS 312
6100 Main St.
Houston, TX 77030
(713) 348-5350

Project Scope of Work:

- Construction of new 24” and 36” diameter storm sewer lines.
- Construction and Installation of new brick manholes.
- Pavement and parking lot repairs.
- Milling of existing asphaltic roadways.
- Sub-base, base and concrete parking.
- Overlay new asphaltic roadways.
- Install new irrigation and landscape systems.
Greater Houston Wastewater Program

**Project Description:** The Greater Houston Wastewater Program (GHWP) was a six-year $1.2 billion project to control wet weather overflows in the City's sanitary sewer system. Houston's wastewater system is one of the largest in the nation, with 43 wastewater treatment plants, 5,600 miles of sewers, and 320 lift stations. Overflow control was accomplished through the planning, design, and construction of approximately 430 projects comprised of relief sewers, sewer rehabilitation, new or upgraded pump station, and wet weather treatment facilities. The City created this program to comply with a 1987 **Administrative Order** imposed by the U.S. **Environmental Protection Agency** (EPA) and the **Texas Natural Resource Conservation Commission** (TNRCC) to control wet weather overflows.

**Services Provided:** BSCI was retained at the start of the Program as one of three minority subconsultants to the program management consultant, Montgomery Watson. Personnel were provided to perform hydraulic modeling, cost-savings analysis, design, construction management, and clerical support tasks. BSCI’s staff served as an extension of City staff and was housed with City personnel in a dedicated program office. This arrangement facilitated professional skill transfer and stimulated continuous exchange and dialogue between our staff and the client staff. These individuals assisted in the management of over 75 design consultants developing construction contract documents for approximately 430 sewer rehabilitation and overflow relief projects. This fast-track program used various strategies such as pre-qualified and pre-purchased but also took the time to include cost saving Technical Review and Value Engineering efforts.

BSCI personnel were involved in all aspects of the program including **project management**, **design management**, hydraulic modeling, environmental engineering and permitting support, comprehensive program management, cost-savings analysis, detailed design and construction management. The sewer rehabilitation component of the program was the largest sewer rehabilitation effort in the United States at the time. The work included conceptual design of relief and rehabilitation projects ranging from **open cut to deep tunnels**, **slip lining**, **cured-in-place**, **deform/reform** and **pipe-bursting** techniques. Over **150,000 feet** of new sewer installed by **micro tunneling** was also completed in the course of the work. The development of design guidelines for underground construction to ensure standardization of designs being prepared by the design subconsultants was also accomplished. Construction Management on the program also required resource planning to optimize the capacity of available contractors (both prime, sub and minority sub) to successfully complete the work. At the peak the Program management team consisted of more than 300 staff from the City and consultants working in an integrated organization.

**Owner:** City of Houston
**Contact Person:** Carl Smitha, P.E.
**Phone Number:** 713-837-7398
**Completion Date:** July 1999
**Construction Cost:** 1.2 Billion
Project Experience

City of Houston’s Wastewater Program

On May 3, 1999, the City of Houston assigned BSCI, Inc. 18 projects varying in duration of 6 months to 18 months with combined construction costs of $37 million. The original contract has been amended several times. To date BSCI CMT has managed over 50 Public Works and Engineering projects with a construction cost of more than $180 million. This enabled BSCI to develop and implement policies and procedures to provide a Quality Assurance Program in order to review and monitor the Contractor and Construction Management Team’s effort for effectiveness, efficiency, and consistency during the construction contract’s administration. The construction projects ranged from Pump Station and Collection Line Rehabilitation to WWTP Expansion.

Collection System - A variety of construction technologies were utilized to meet the EPA deadline, including Open-cut, Micro-Tunneling, Box Tunneling, Jacking, Augering, Pipe, Cure-in-Place, and Sliplining. The service area was 600 square miles with upgrades to approximately 5700 miles of (6 to 144 inches) Sewer, over 100,000 manholes and 377 Pump Stations were either rehabilitated and/or constructed. Three Upstream Wet Weather Facilities were constructed along with fifteen Wastewater Treatment Plant Modifications.

SCOPE OF SERVICES:

- Document Control
- Coordination of review of contractors submittals
- Coordination of field laboratory testing for each project
- Review of pre/post construction TV tapes for project evaluation
- Analysis of contractor monthly and final request for payment
- Evaluation, negotiation, and administration of change orders
- Quality Assurance

Owner: City of Houston
Contact Person: Carl Smitha, P.E.
Phone Number: 713-837-7398
Completion Date: May 2007
Construction Cost: 37 Million
East Water Purification Plant - Plant 1
Sedimentation Basin Drive Replacement

BSCI, Inc and Turner Collie & Braden, Inc teamed up to provide Management and Inspection Services for this project. The duration of the project was two months and consisted of replacing four drives in Sedimentation basins A and B, installing Sludge Level Detectors in Basins A, B, and C and modifying Motor Control Centers to serve the sedimentation system in Basins A and B.

SCOPE OF SERVICES:
- Pre-Construction Support
- Construction Feasibility Assessments
- Daily Construction Inspection
- Documenting Daily Construction Activities with Photos
- Monitor and Confirm Overall Project Compliance

Project Value $628,000.00
Reference: Rod McCrary
5757 Woodway
Houston, TX 77057
(713) 780-4100
City of Houston Parking Meter Project

ACS State & Local Solutions, Inc. contracted BSCI, Inc. to install new solar panel parking meters for the City of Houston. The meters are replacing the old coin operated meters that have been in force for many years. The project includes installation of 750 meters, thermoplastic striping and traffic control signs on each metered block. The project cost is approximately $15.1 million dollars and two years to complete.

BSCI, Inc. is working with the City of Houston Parking Management, the Public Works Department, the Downtown District and ACS representatives for quality assurance. The BSCI Project Manager attends weekly update meetings with the aforementioned representatives. All work completed is presented in verbal and written submittals on a weekly basis.

Scope of Services:

- Removal of existing multi-space meters, steel posts, and existing signs
- Delivery of removed items to designated City of Houston locations
- Documentation of solar meter locations with assigned serial numbers
- Documentation of amount and location of completed thermoplastic striping
- Documentation of the number of new signs installed and their locations
- Storage of newly shipped meters, thermoplastic materials, signs, and other associated materials

Project Value: $15.1 Million

References: Lilliana Rambo, C.A. P.P.
City of Houston
1001 Avenue De Los Americas
Houston, Texas 77001
713-853-8276
lilliana.rambo@cityofhouston.net
The Cotswold Project

The Cotswold Project is one component of the Houston Downtown Management District’s Capital Projects & Planning Program, which concentrates on long-range planning and short-term improvement projects. The project was undertaken to improve streets and sidewalks in the north end of downtown and provide expanded on-street parking. It is also initiating a Way Finding system downtown that will make getting around downtown understandable to users. The Way Finding system will include signs in the tunnels and as well as on the streets above.

The project involved:
- upgrading the existing underground utilities (electrical cabling, sanitary and storm sewers)
- upgrading the existing sanitary and storm sewers
- overlaying the streets involved in the project
- streetscaping and landscaping
- installing street and sidewalk pavers

Brian Smith Construction Inspection, Inc. provided construction inspection during Phase 1a of the project. The inspector assigned to the project had the following duties:

- overseeing construction activity
- providing daily reports
- overseeing contractor compliance with construction specifications
- resolving on-site disputes
- generating pay estimates
- assigning testing labs for site testing of materials
- attending weekly program meetings

The contract value for the overall Cotswold Project was $58 million. The project’s original contract value for Phase 1a was $2,947,831.22. It was completed on February 28, 2000.

Contact: Bob Eury
909 Fannin, Suite 1650
Houston, Texas 77002
713-650-1470
bob@centralHouston.org
Metro Downtown/ Midtown Street Project

The Metropolitan Transit Authority engaged Brian Smith Construction Inspection, Inc., and Raytheon Infrastructure Inc., to provide Construction Inspection, Construction Management and Civil Engineering services for three projects in connection with its massive street revitalization program. Duration time for this project was six months.

Project Value: $6.6 Million
Contact: Brent Patterson
Raytheon Infrastructure, Inc.
Houston, Texas

Project Scope of Work:
New Street Repair
Installation of: Underground Utilities
Storm Sewers
Sanitary Sewers & Clean Water
Traffic Control Devices

BSCI & Raytheon Infrastructure, Inc. participated in the following:
• San Jacinto, Segment 1 (from Walker to Leeland)
• San Jacinto, Segment 2 (from Leeland to Pierce)
• San Jacinto, Segment 3 (from Commerce to Walker)
BSCI, Inc. teamed with Othon, Inc to provide Construction Management and Inspection services for Metro Light Rail project. This is phase one of a multi-phase Metro Commuter rail project that boarded its first passengers in January, 2004. Phase One is a 7.5-mile light rail line serving the Main and Fannin street corridors, from University of Houston Downtown to south of the Reliant Astrodome. The duration of this project was 30 months.

**SCOPE OF SERVICES:**
- Pre-Construction Support
- Construction Feasibility Assessments
- Daily Construction Inspection
- Monitor and Confirm Overall Project Compliance
- Daily Construction Surveillance Reports

**Project Value:** $324 Million
**Reference:** Bob Baker
3400 North Terminal
Houston, Texas 77032
(281) 233-7903
RCTSS provides a state-of-the-art traffic signal/communications system capable of regional transportation management thus resulting in more efficient transit service through improved traffic flow along transit service routes. RCTSS will also interface with the Texas Department of Transportation (TxDOT) freeway management system at the Central Control Facility, in turn producing a truly regional integrated transportation management system. The project includes design, procurement, installation, construction, and testing of all equipment necessary to implement the RCTSS within the METRO service area.

Additionally, special transit vehicle priority controls will permit RCTSS to achieve preemptions and reliable bus operations by an automated means. A geographic information system will evaluate the vehicle’s position relative to its target schedule. RCTSS will evaluate the transit vehicle progress relative to congestion and performance measure criteria in the surrounding area and will then issue a priority override to the local traffic signal equipment to expedite the transit vehicle’s movement.

RCTSS will also provide a modern communications system. The communications link will enable immediate traffic management control at local intersections for non-recurring incidents and facilitate an integrated RCTSS/METRO transit communications network to connect bus operating facilities, park & ride facilities, transit centers, and major jus stops via high speed optical network. METRO bus patron security and advance traveler information will be facilitated via this communication network.

The RCTSS communication network will also accommodate future integration of Intelligent Transportation System (ITS) projects.

**SCOPE OF SERVICES:**
- Review Construction Schedules
- Construction Management
- Daily Construction Inspection
- Contract Administration
- QA/QC Reporting
- Generate Change Orders
- Coordination with other Local Agencies
- Construction Feasibility Assessments
- Reviewing and Answering RFIs
- Review and Approve Contractor’s Monthly Application for Payment
- Documenting Daily Construction Activities with Photos
BSCI, Inc. teamed with Brown & Root to provide Construction Management and Construction Inspection for the extension and widening of runways 15 Right and 33 Left. This project involved the demolition of the existing runways and the construction of a longer and wider one. The duration of this project was two years.

**SCOPE OF SERVICES:**
- Pre-Construction Support
- Construction Feasibility Assessments
- Daily Construction Inspection
- Monitor and Confirm Overall Project Compliance
- Provide Daily Construction Surveillance Reports

Project Value $82 Million

Reference: David Bradley
4100 Clinton Drive
Houston, TX 77020
(713)753-3615
BSCI, Inc teamed up with PTI to manage and inspect this project. The project comprised of renovating the Plant 3 Administration Building and installing 240 LF of 42” diameter Steel-Welded Pipe Waterline. The duration of the project was eleven months.

The project involved totally demolishing the third floor interior and rebuilding it with new configuration of offices, control room, lunch room and restrooms. The windows, from level one to three were replaced with new glazing and reinforcements. The wall structural systems were reinforced with buttress walls to sustain high velocity winds.

**SCOPE OF SERVICES:**
- Pre-Construction Support
- Construction Feasibility Assessments
- Daily Construction Inspection
- Documenting Daily Construction Activities with Photos
- Monitor and Confirm Overall Project Compliance
- Review, Prepare and Submit to the City Contractor’s Monthly Application for Payment
- Assist in Preparing and/or Reviewing RFI’s and Work Change Directives
BSCI, Inc. teamed with Parsons-Brinkerhoff to manage and inspect the installation of baggage handling system and to provide fully integrated solution for high speed, automated baggage handling – including radio frequency identification (REID) implementation and explosive detection system (EDS) integration.

The contract for IAH baggage handling system included:

- Construction of Baggage Handling System, Security System and Ventilation System
- Installation of Electrical, Control and Communication devices for new baggage handling system
- Installation of new Instrumentation and Control System

The operating conditions for Spiral Curves with positive – drive chain/belt system and Ventilation system.

The driving mechanism of the baggage handling and control system.
Harris County Civil Justice Center

The new 661,000 square foot Civil Courts Building will consolidate civil court functions, improving efficiency and promoting accessibility. Currently planned as 17 floors, the new facility will house all 39 existing civil courts and their supporting agencies, and likely will include four future courtrooms and shell space for another eight. Issues include prominence of exterior design, flexibility of plan, circulation and zoning, security, provisions for current and future court technology, space needs, functional adjacency, and the needs of persons with disabilities.

Construction on the new Civil Courts Building began in December 2002, and includes tunnel connections to other facilities in Houston's 12-building County Courts Complex, including the 788,000 square foot Harris County Criminal Justice Center. The anticipated completion date is December 2006.

Scope of Services:
- Document Control
- Quality Assurance/Quality Control
- Management System Administration
- Schedule Analysis
- Daily Progress Inspection

Project Value $76 million
Reference: Rich Elwood
1001 Preston, 7th Floor
Houston, TX 77002
(713) 755-8381
Reliant NFL Stadium

This state-of-the-art NFL stadium for the Houston Texans, occupies a total of 1,900,000 square foot with a seating capacity configured as follows: 69,500 for NFL, 72,000 for Super Bowl, 70,500 for Rodeo and 69,250 for Soccer. Brian Smith Construction Inspection, Inc teamed with Manhattan/Beers to provide Management, Inspection and Cost Estimating services. The construction of the stadium was substantially completed in 29 months and the first NFL game played here on August 24, 2002. This project is comprised of 166 private luxury suites/boxes, 8250-seat club, fabulous retractable roof, uniquely engineered Bermuda Tifsport grass turf and approximately 25,000 parking spaces.

SCOPE OF SERVICES:
- Pre-Construction Support
- Project Cost Estimating
- Monitor and Confirm Overall Project Compliance
- Perform Shop Inspections
- Document Daily Construction Activities

Project Value $376 million
Leonard Raychex
Manhattan Construction
2120 Montrose Blvd.
Houston, Texas 77006
BSCI, Inc teamed with Othon, Inc., Consulting Engineers to manage and inspect this Rental Car Facility under construction at Bush Intercontinental Airport. The two-story parking facility includes offices and restrooms. The capacity of this facility is 35,500 cars. The duration of project is 2 years.

**SCOPE OF SERVICES:**
- Pre-construction Support
- Construction Feasibility Assessments
- Documenting Daily Construction Activities
- Review and Tabulate Contractor’s Quantities
- Monitor and Confirm Overall Project Compliance
- Perform Shop Inspections

Project Value $54 million  
Reference: Bob Baker  
3400 North Terminal  
Houston, TX 77032  
(281) 233-7903
BSCI, Inc. teamed with Brown & Root to manage and inspect the construction of this modern air-cargo facility at Intercontinental Airport. The Project comprised of the construction of taxiways, aprons, three major cargo office buildings and underground fuel line from the fuel main to the cargo area. The duration of this project was 13.5 months.

SCOPE OF SERVICES:
- Pre-Construction Support
- Construction Feasibility Assessments
- Monitor and Confirm Overall Project Compliance
- Daily Construction Inspection
- Document Daily Construction Activities

Project Value $45 Million
Reference: Bill Bradley
4100 Clinton Drive
Houston, TX 77020
(713) 753-3615
BSCI is currently providing quality assurance construction inspection on this 8 story, 2500 space parking garage. The facility serves patrons of Bush Intercontinental Airport. Project value is $32,000,000. Project has a projected completion date of May 2004.

Project Value: $32 Million
Reference: Bill O’Bar
Parsons-Brinkerhoff
15333 John F. Kennedy Blvd. Ste 300
Houston, Texas 77032
(281) 227-7922
Brian Smith Construction Inspection, Inc. (BSCI, Inc.) provided quality assurance surveillance of work in progress at a 40-acre county landfill remediation project. Approximately 850,000 cubic yards of waste was exhumed, segregated and transported and transplanted to accommodate a new runway at Bush Intercontinental Airport. The scope of work included monitoring safety practices, clearing, extraction, separation, testing offsite, transportation and backfill compaction. The removal rate was approximately 4,000 cubic yards per day.

Project Value: $18 Million
Reference: David Bradley
Brown & Root Services
4100 Clinton Drive
Houston, TX 77020
713/753-3615
Robertson Stadium

Robertson Stadium is one of the oldest stadiums in the City of Houston. It dates back to the early 1940’s when it was built as a playing field for Houston’s high schools. During the mid-nineties, the University of Houston, located adjacent to the stadium, acquired the property for its’ athletic program. Having existed for at least fifty years, the stadium was in dire need of renovation and modernization.

The University of Houston System contracted with Brian Smith Construction Inspection, Inc. in February 1999 to provide professional quality construction inspection services for the construction phase of the project. The project was $6 million dollars. The following changes and renovations were made:

- The field was lowered 10’ giving fans a better view of the field.
- An increase in seating capacity from 20,000 to 32,000.
- The addition of a $1.5 million scoreboard to the south end zone.
- The addition of a state-of-the-art sound system.

Our services as they related to construction inspection were:

- On–site inspection of the materials, structures, equipment, and workmanship used by the construction contractor to insure that the project was constructed in compliance with the contract documents.
- Providing daily on-site observation of the progress and quality of the construction work.
- Inspecting and observing the construction contractor’s activities on a daily basis to verify that the work complied with drawings and specifications.

Tracking the progress of the work in order to minimize delays and to prevent deviations from the construction documents.

Keeping the Project Manager informed as to the compliance or non-compliance with the drawings, plans, and specifications.

Project Value $6 million
Reference: Virgil L. Gay Jr., AIA
University of Houston System
4211 Elgin Street
Houston, TX 77004
Project Experience

Texas Southern University
Student Housing Complex

BSCI contracted to oversee the following work at the Texas University Campus:

The construction, furnishing and equipping of student housing complexes, consisting of approximately 78 four bedroom, two bathroom
54 two bedroom, two bathroom, and
2 one bedroom, one bathroom fully furnished apartment units to be known as “Tierwester Oaks”, located at 3505 Blodgett, Houston, Texas 77004.

Scope of Services:

• Review the work progress and ensure the work is progressing according to the construction schedule.
• Confirm the presence of stored materials and of the date of the pay request
• Confirm the completed work, stored materials, and math on the Contractor’s pay request are correct
• Prepare the written monthly report outlining the results of each site visit to verify that the scheduled percentage of work indicated has been completed in accordance with the Design, Plans and Specifications set forth in the Contract Documents and review the Contractor’s pay requests for accuracy

Project Value $11 Million
Reference: Algenita Scott Davis, Houston Student Housing, II. LLC
c/o JP Morgan, Chase & Co.
713-503-7124
BSCI and Gilbane Building Company entered into a joint venture to provide Construction Management, Program Management and Construction Inspection services in connection with the University’s campus-wide construction and improvement programs.

Planned Construction/Improvement Programs include:
- Campus-wide Fire Alarm System
- MEP Upgrades
- Thermal Utilities Plant Renovation
- Storm Drainage Improvements
- Building Renovations
- Student Housing Development
- Athletic Facility Renovations

BSCI Participation:
- Planning & Design
- Project Management
- Construction Management
- Administrative Support

Project Value $36 Million
Reference: Carolyn Freemen
Texas Southern University
Facilities Planning & Operations
(713) 313-7011
Certifications

Brian Smith Construction Inspection, Inc., participates in the SBA 8(a) Program and as a small business or minority/disadvantaged business enterprise with the following agencies:

- Broward County, Florida
- City of Atlanta, Georgia
- City of Austin, Texas
- City of Baltimore, Maryland
- City of Houston, Texas
- City of Los Angeles, California
- City of Portland, Oregon
- City of West Palm Beach, Florida
- Houston Independent School District
- Los Angeles County Metropolitan Transportation Authority
- Maryland Department of Transportation
- Metropolitan Transit Authority - Houston, Texas
- Metropolitan Washington Airport Authority
- Port of Houston Authority
- North Central Texas Regional Certification Agency
- School Board of Broward County, Florida
- South Florida Water Management District
- State of Florida
- State of Texas Historically Under-Utilized Business
- Texas Department of Transportation
- U.S. Small Business Administration
- VIA Metropolitan Transit - San Antonio, Texas
Why BSCI, Inc.?  

Brian Smith Construction Inspection, Inc. has managed infrastructure projects in the Greater Houston Area for the past 16 years. Though we have private sector clients, our primary focus is on the municipal, county and transit authority public sector. To date we participated and managed CM teams responsible for over $4 Billion in publicly funded infrastructure work.

We understand and have successfully assisted in meeting its global and project specific objectives by managing task efficiently and overcoming impediments while operating within Metro’s business and regulator constraints.

Our construction management team of professionals are academically prepared and experienced in the delivery of the best available construction management project control and quality assurance technologies. From sanitary sewer installation micro tunneling in downtown Houston to erection of transportation related structures at the Houston Intercontinental, BSCI resident engineers and inspectors have lead construction management teams.

We use an outcome based team approach to construction program management. The configuration of our team is totally dependent on the client’s needs. Our mission is to apply the best resource in the most efficient manner to assure our client’s:

- minimum exposure to commercial risk
- minimum interruption of the owner/stakeholder’s business
- elimination or expeditious resolution of conflicts
- maximum savings in construction costs
# The BSCI Approach

## At A Glance

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- **Constructability Review**
- **Contract and Document Review**
- **Setup and Maintenance of Project Controls**
- **Facilitate Communication Between Stake Holders**
- **Review of Contractor Submittals for Conformity to Contract Plans and Specifications**
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