

Tuhin Basu & Associates, Inc.

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Mission

The mission of Tuhin Basu & Associates, Inc. is to:

- Provide state of the art, quality professional services to our clients, on time, and within budget.
- Attract, develop, and retain highly talented professionals, and provide them with opportunities to grow, and be at the leading edge of the industry.
- Create a challenging and rewarding work environment.
- Enhance the quality of life in our communities.
- Make significant contributions to the advancement of the civil engineering profession.

Services

From concept to construction, the engineering firm of Tuhin Basu & Associates, Inc., provides a broad spectrum of professional consulting engineering services. The firm has the capabilities and experience to provide the following services:

- New Bridge Design
- Bridge Replacement and Widening
- Bridge Inspection and Evaluation
- Bridge Rehabilitation and Repair Design
- Roadway and Highway Design
- Roadway Widening
- Railroad Bridge Design and Rehabilitation
- Mass Transit Structure Design
- Tunnel Design and Rehabilitation
- Construction Management
- Construction Engineering and Inspection
- Public Workshops / Public Meetings

Experience

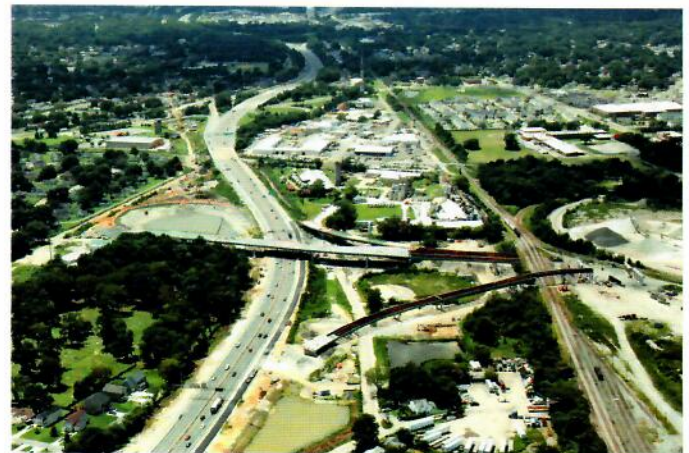
Tuhin Basu & Associates, Inc. has provided project management, design, and construction engineering and inspection services to a wide range of clients. We have provided specialized professional services to Federal, State, and local government agencies; public authorities and commissions; private sector, and professional organizations.

Bridge Design

Tuhin Basu & Associates, Inc. has designed many concrete and steel bridges throughout the eastern and southeastern United States. We have extensive experience in performing design services for all aspects of bridge design such as new bridges, bridge replacements, bridge widenings, bridge rehabilitation and staged construction.

Featured Project

**MLK Expressway Extensions Ramp SW and WN
Portsmouth, Virginia for VDOT**



Ramp SW: 3-span continuous 470-ft long steel curved girder structure. Ramp WN: 5-span continuous 905-ft long steel curved girder structure over CSX railroad.

Inspection, Evaluation, and Rating

Tuhin Basu & Associates, Inc. provides bridge inspection services including condition inspections, load ratings, and evaluation of a variety of bridge types including multi-beam steel, timber bridges, prestressed concrete bridges, concrete slab bridges, steel thru-girder bridges, masonry arch bridges, curved girder bridges, steel truss bridges, pipe arch structures and concrete box culverts.

Featured Project

**Downing Bridge Biennial Inspection
Tappahannock, Virginia for VDOT**



Highway Design

Tuhin Basu & Associates, Inc. has extensive experience in the design of highways and interchanges for various state transportation departments throughout the eastern and southern United States. We have provided engineering services for all aspects of roadway design including alignment studies, traffic studies and analysis, preliminary and final right-of-way plans, drainage/hydraulic analysis and design, erosion and NPDES Management design, utility coordination, final roadway design and plans, public meetings and public hearings, specifications and cost estimates, and technical assistance during construction.

Featured Project

MD Route 108 Improvements for Maryland State Highway Administration

Construction Inspection

Tuhin Basu & Associates, Inc. is experienced in providing construction engineering and inspection services for transportation projects including highway and bridge construction projects. Our staff is experienced in all areas of construction inspection including concrete placement, asphalt placement, steel and prestressed girder erection, material testing, fill placement, paint inspection and foundation construction. Additionally, our inspectors have the necessary construction certifications from the appropriate agencies in the jurisdictions in which we work.

Featured Project

Chesapeake Bay Bridge Structural Repairs for Maryland Transportation Authority



Mass Transit Design

Tuhin Basu and Associates, Inc. possesses considerable experience in the design of Mass Transit structures. We provided design services on the Largo Blue Line Extension Project for the Washington Metropolitan Area Transit Authority (WMATA). This phase of the \$434 million project includes the 3.1-mile extension of the line, trackwork and systems for the Blue Line from the existing Addison Road Station to the proposed station at Largo Town Center in Prince George's County, Maryland. The project is the first segment to be added to the 103-mile Adopted Regional System and is the largest single construction contract awarded in the history of WMATA.