Geocomp
CORPORATION

Technologies to manage risk for infrastructure

Transportation Industry Capabilities

Geocomp Transportation Services: Providing structural safety, preservation and long term performance

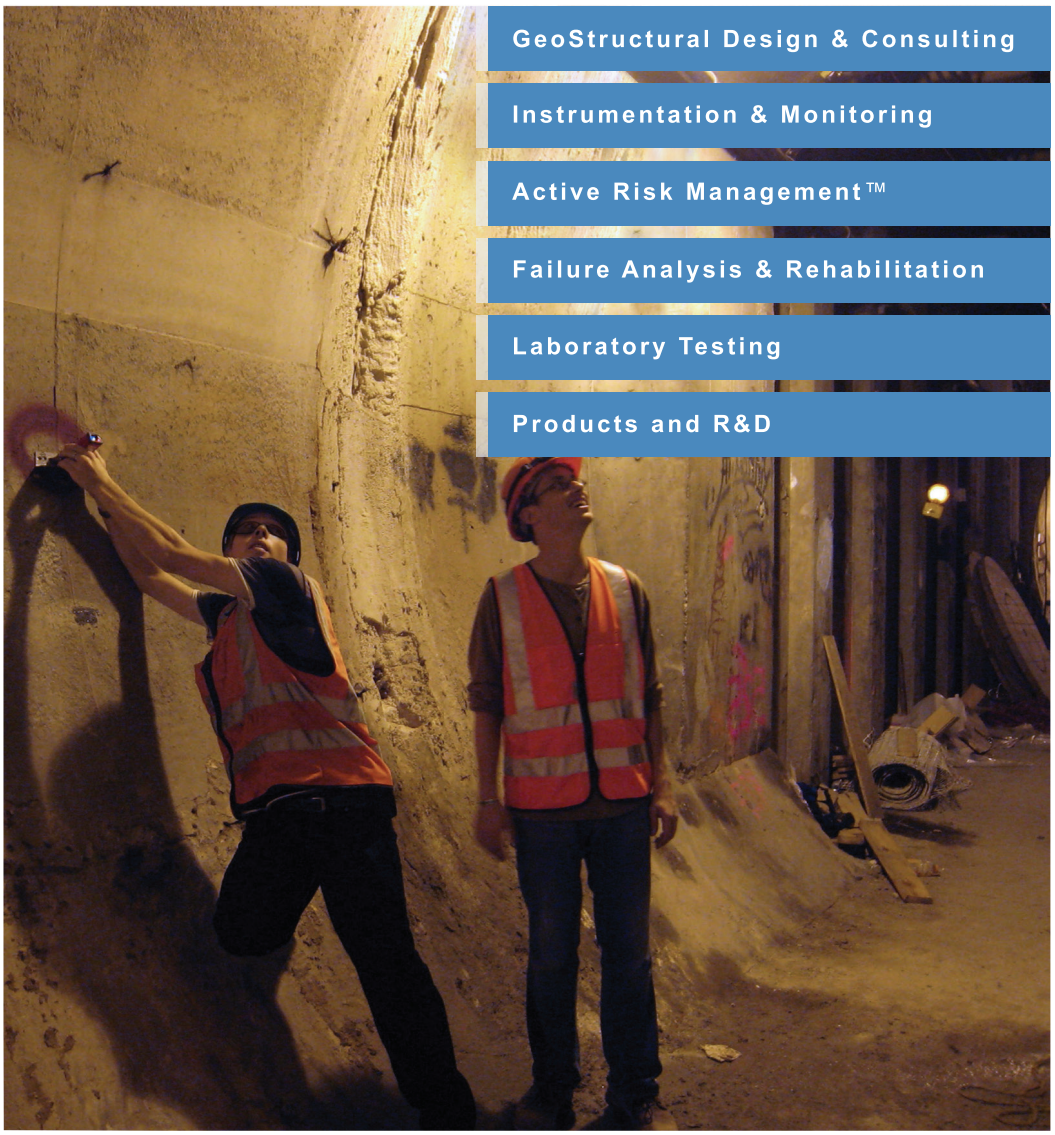
Since 1982, Geocomp's experienced team of engineers has been solving some of the world's most challenging geostructural problems on wide-ranging public and private transportation projects. From the "Big Dig" Central Artery/Tunnel in Boston, Massachusetts, to the Metro Subway in Athens, Greece, the Woodrow Wilson Bridge in Washington, D.C., to the I-10 Bridge in Louisiana – Geocomp has provided innovative solutions, saving time, reducing cost, and minimizing risk for public and private owners.

Whether it is a bridge, tunnel, highway or engineered retaining structure, a project's success is enhanced by sound geostructural practices. Without a comprehensive understanding of the underground conditions and potential hazards below the surface, owners risk delays, additional costs, damage to property, and the safety of works and the public.

We help our transportation clients identify, manage, and mitigate risk by providing expert geostructural services to support the design, construction, and operation of the underground portion of all types of transportation facilities. We also monitor risk using state-of-the-art instrument systems to measure, in real time, ground and facility conditions before, during, and after construction, as well as the effects of construction activities on adjacent properties.

Our Capabilities

Asset and risk management for public and private owners...before, during and after construction



Expertise and experience that enable accelerated construction while managing risk

Our approaches allow our transportation clients to meet the requirements for accelerated construction at acceptable levels of risk while ensuring long-term structural performance.

Our staff has been instrumental in the development and implementation of advanced numerical models, new design methods, new materials, and risk-monitoring programs on constructed facilities worldwide. We have provided underground solutions as independent consultants to owners, and as integral members of design and construction teams – employing the most appropriate technology and tailoring our services to the specific site conditions and unique requirements of each project.

Photos: (Cover) East Side Access; (Inside Left) Midtown Tunnel, CentralArtery/Tunnel, I-10 Bridge at Lake Ponchitrain; (Inside Right) East Side Access; (Back Cover) Pleasant Street Bridge, North Shore Connector, Storrow Drive, Tobin Bridge, 2nd Avenue Subway

Our transportation project portfolio encompasses all aspects of asset and risk management:

Bridges

- Sakonnet Bridge, Rhode Island
- I-10 at Lake Ponchitrain, Louisiana
- Tobin Bridge, Massachusetts
- North Shore Connector, Pennsylvania
- Woodrow Wilson Bridge, Washington, DC

Tunnels

- Leonard Zakim Bridge, Massachusetts
- Accelerated Bridge Program, Massachusetts
- I-90 Cuyahoga River, Ohio
- Pleasant Street Bridge, Massachusetts
- Ballardvale Bridge, Massachusetts
- Storrow Drive Tunnel, Massachusetts

Engineered Structures

- "Big Dig" Central Artery/Tunnel, Massachusetts
- South Ferry Terminal, New York
- 2nd Avenue Subway, New York
- East Side Access, New York
- World Trade Center, New York
- Dulles Airport
- Woodrow Wilson Bridge
- The Colony, Utah

About Geocomp Corporation

We specialize in the engineering and control of risk for construction below the ground surface for all types of structures – AND we excel on tough projects with challenging soil conditions and related structural design criteria.

We improve the design and construction team's understanding of subsurface conditions and provide innovative and sound geostuctural solutions – resulting in better control of the risk and cost of construction for owners.

What differentiates Geocomp is our proven history in the application of leading edge technologies to solving complex geostructural challenges.

We leverage our experience on thousands of projects in the development of industry leading applications for:

- Real-time, web-based instrumentation and monitoring systems;
- Computer software and instrumentation;
- Advanced numerical modeling;
- Active Risk Management™ protocols; and
- Soil, rock and geosynthetic testing services, through our GeoTesting Express, Inc. (GTX) division.

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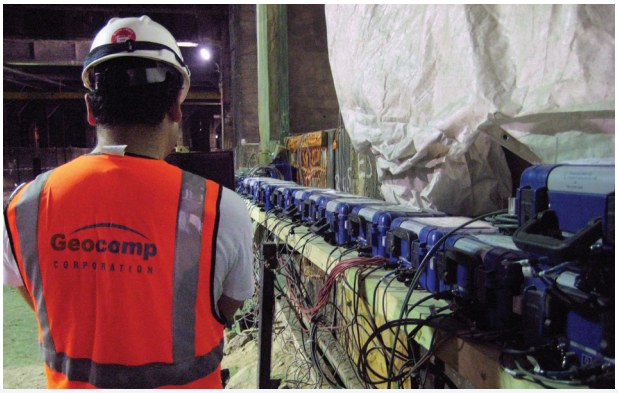

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