



PROJECT BRIEF

# Accelerated Bridge Program Active Risk Management® & Monitoring

## PROJECT PROFILE

**CLIENTS:**

Massachusetts Department of Transportation (MassDOT)

**LOCATION:**

Massachusetts

**VALUE:**

- Minimize the probability and consequences of adverse events
- Maximizing the probability and consequences of positive events

**SERVICES PROVIDED:**

- Identify potential risk that can impact cost and schedule
- Recommend proactive risk response strategies
- Develop potential risk mitigation strategies
- Evaluate and manage threats, vulnerabilities, and consequences

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## ACTIVE RISK MANAGEMENT BRIDGE MONITORING

Geocomp is working with MassDOT to provide Active Risk Management® services and sequencing. Our expertise in risk management for heavy civil construction along with Geocomp’s Active Risk Management® process guides the project team in minimizing the probability and consequences of adverse events (threats) and maximizing the probability and consequences of positive events (opportunities). Risk elements that threaten the project’s schedule and cost are identified by the risk management team early in the design process and either eliminated or followed through the construction process. Early detection permits timely intervention with pre-planned risk mitigation plans and programs to reduce the consequences of these risk elements. Geocomp assembled a team of qualified firms and consultants to address and respond to project objectives outlined by the client. Geocomp coordinated and managed this team of experts to help restore the bridges with a controlled risk envelope so that the projects progressed on time and on budget. This methodology was applied to sites including the Craigie Dam Bridge and Drawbridge Rehabilitation, the Longfellow Bridge Early Action and Full Rehabilitation, the Boston University Bridge Rehabilitation, the Anderson Memorial Bridge Rehabilitation and more.



## BACKGROUND

More than 500 bridges controlled by the State of Massachusetts are classified as structurally deficient. The Accelerated Bridge Program (ABP) oversees the prioritization for the repair of these bridges across the state. Over \$400 million has been allocated in the ABP to improve the conditions of the structurally deficient bridges in the Lower Basin area of the Charles River. Geocomp’s challenge was how to help MassDOT keep their projects in the Charles River Basin on schedule and within budget as mandated by the State Legislature.