

## Fresh Creek Bridge Demolition and Replacement - Environmental Compliance Construction Inspection Services

The Fresh Creek Bridge and approaches along the Belt Parkway are being demolished and reconstructed along a 1.3 mile stretch of the Belt Parkway. GRB's role is environmental compliance manager providing inspections during construction, hazardous materials abatement oversight and air monitoring (asbestos and lead paint), environmental sampling and testing, site investigations, erosion control inspections, environmental risk management, coffer dam dredging environmental



inspection, environmental permitting support, preparation and oversight of Best Management Practices, surface water turbidity monitoring, dewatering monitoring, steel structural paint inspection services, waste management support, and environmental consulting services. As part of GRB's duties it inspects and follows up on the following permits: Army Corps of Engineers, Coast Guard, NYSDEC consolidated permit (SWPPP, SPDES, Natural Resources, Water Quality Certification, tidal wetlands, excavation & fill in navigable waters, general conditions). On a daily basis GRB inspects contractor's activities, photographs activities, documents compliance/out-of-compliance activities, prepares weekly reports, attends monthly environmental meetings, responds to oil spills, prepares environmental best practices procedures, and interprets and enforces permit requirements. GRB also is providing stormwater and sedimentation control inspection services.



On a routine basis, GRB reviews bi-weekly construction schedules to ascertain if any forthcoming activities could possibly result in a permit violation. Under those circumstances where such might occur, GRB has prepared a BMP for that activity and interfaced with the Contractor and Resident Engineer to discuss mitigating approaches, implementation, and monitoring requirements. Complicating the project is the presence of a New York State Inactive Hazardous Waste Site (Pennsylvania Avenue Landfill) and a National Park abutting the project site.

GRB also provided asbestos and lead paint abatement project monitoring and air monitoring during bridge demolition work. In addition, GRB provided NACE paint inspection services during painting operations on the new bridge.