

# CULVERT PROJECTS

## INSPECTION, EVALUATION, DESIGN SURVEY

**D & R Canal Culvert, Trenton, NJ.** - In-depth inspection and documentation of this 6300ft long structure along Rt. 1 carrying drinking water for the NJ Water Supply Authority and under jurisdiction of NJDOT. Work involved partial dewatering, underwater inspection, condition assessment, and preparation of a comprehensive report including findings, tables, drawings by CAD, photos and recommendations.

**Parkside & Sullivan Way Aqueducts, Trenton, NJ.** - In-depth inspection of these structures carrying drinking water over roadways. Work involved both underwater and underside inspection to determine cause of water leakage and method of repair.

**Carnegie Lake Aqueduct, Middlesex County, NJ.** In-depth inspection of the structure carrying drinking water along the Delaware River. The work involved detailed inspection, evaluation, and preparation of reports.



**Cedar Creek and Franks Creek Culverts in Hudson County, NJ.** - In-depth underwater inspection and report preparation of these older structures draining water to the Passaic River and supporting Amtrak and NJ Transit train lines. The culverts consisted of brick arches, concrete fixed frames, and concrete box sections.

**Erie Canal, New York State** - U/W Inspection of 20 structures on the Erie Canal including culverts, siphons, tainter gates, walls, bridges. In-depth inspection, probings, scour or undermining evaluation and preparation of reports for the NY State Canal Corporation, Utica, NY.



**Beatties Dam intake Structure** - In-depth inspection of the intake structure including culvert, sluice gates, and floating debris boom. Preparation of report and repair recommendations.



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