

**Client Projects Profile**

- Commercial
- Ecclesiastical
- Development
- Government
- HealthCare
- Manufacturing
- Residential
- K-12 Schools
- Higher Education



**Services**

- Structural Design & Analysis
- Special Structures Design
- Condition Surveys
- Existing Structures Evaluation
- Feasibility Studies
- OSHA Load Capacity Ratings
- Bridge Load Capacity Ratings
- Equipment Foundations
- HVAC Equipment Supports
- Medical Equipment Supports
- Building Construction Plans
- Bridge Construction Plans
- Test Boring Plans
- Land Development Plans
- Stormwater Management Plans
- Soil Erosion Plans
- Construction Specifications
- Construction Cost Estimates
- Contractor Bid Review
- Construction Phase Observation
- Technical Reports
- Value Engineering



**Quarterly Newsletter — Summer 2013**

QproQ Engineering, Inc. thanks our clients for their continued business and support. We value each client and recognize you as the key to our success.

With Sincere Thanks,

**Contact Info**

**Administrative, New Projects, & In-Progress Projects**

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**22**

YEARS OF  
EXCELLENCE

QPROQ ENGINEERING, INC.

**A Connection with Lady Liberty**



Recently QproQ was retained as a forensic engineering consultant after storm water infiltration resulted in extensive staining of exposed natural wood surfaces in a luxurious log home.

Soda blasting is a cleaning technology that uses sodium bicarbonate (commonly referred to as baking soda) to restore wood surfaces was proposed as a proven technology by the

restoration company.

Interestingly, the technology was developed by a team of French and American architects, engineers, and conservators during the 1980's looking for a method to clean and restore the 100 year old Statue of Liberty. Their concerns centered on environmental pollution, waste disposal, and protection of the Statue of Liberty itself. Use of any common abrasive material to clean the surface would have harmed the statue's aging copper plates as well as polluted the waters in the surrounding New York City harbor.

Virtually any coating can be removed from almost any surface without damaging the underlying base material -- wood, glass, chrome, sheet metal, fiberglass and plastic plus it is non toxic to humans.

We concurred with the restoration company's proposal that a technology safe enough for Lady Liberty and the New York harbor was appropriate for stain removal from natural wood surfaces.



