

Concrete Evaluation and Repair

CTLGroup can tackle any concrete issue, no matter how intricate or unique. We work with clients to develop and customize approaches in order to translate specific problems into practical solutions. We have considerable expertise in the investigation, evaluation, analysis, and repair design of concrete structures. Our projects range from marquee monument analysis, to high-rise structures and historic landmark buildings. CTLGroup's work extends to the evaluation and rehabilitation of all types of aging infrastructure.

CTLGroup experts are able to customize evaluation and repair programs to provide the most responsive, cost-effective solutions. With a wide range of performance deficiencies and client needs, each of our repair projects is unique.

CTLGroup has in-depth knowledge of current and historic construction materials for historic restoration projects. We can investigate how the structure was originally designed and built, review repairs made over the life of the structure, analyze/design replacements to simulate obsolete construction materials, and develop repairs to restore the structure.

Services

We offer the most sophisticated suite of engineering, testing and consulting services to address concrete performance, durability and life-cycle serviceability with the most progressive repair and restoration techniques available in the construction industry today.

Concrete/Structural Evaluation

- Nondestructive testing
- Condition assessments
- Structural integrity evaluation
- Facade inspections
- Forensic investigations
- Failure analysis
- Corrosion assessment, testing, and protection planning
- Materials, building systems certification, and code compliance
- Structural performance evaluation
- Investigation of material durability issues

Repair/Rehabilitation/Restoration Design

- Investigation of the makeup of historic materials and specifications of remedial repair materials and techniques
- Structural strengthening repairs
- Enhance long-term durability repairs
- Material and repair mock-ups
- Construction administration and observations

