



CASE STUDY:

TEXAS LIFT STATION

CLIENT

A South Texas City

Sprayroq Certified Partner (SCP) Fuquay, Inc., undertook the rehabilitation of a Lift Station in southern Texas, which had suffered extreme deterioration and loss of structural integrity, threatening its operational capacity and necessitating urgent intervention.

PROBLEM

A Texas lift station was suffering from severe deterioration and loss of structural integrity.

SOLUTION

To restore the lift station to full functionality while avoiding digging up the surrounding area, Fuquay crews implemented a trenchless rehabilitation approach. The team started by removing two truckloads of debris from the bottom of the structure. Once the debris was removed, Fuquay addressed low spots, spalls, and delaminations within the structure by filling them in and applying cementitious profiling. The structural rehabilitation was completed using an engineered thickness of SprayWall. This method not only ensured comprehensive structural repair but also avoided the need for an expensive and disruptive excavation.

RESULTS

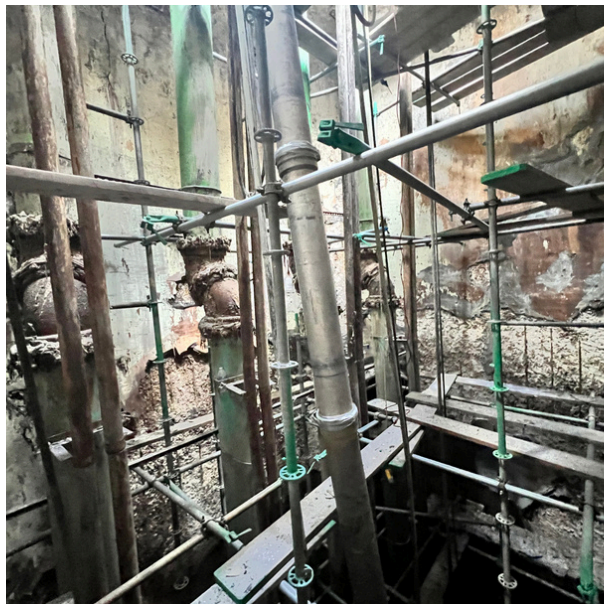
Fuquay Inc., applied SprayWall to the structure, avoiding excavation and ensuring a truly structural repair.

RESULTS

The decision to utilize SprayWall for this job proved highly beneficial. Not only did it offer significant cost savings, with the lining process being approximately one-third of the cost of traditional excavation and replacement methods, but it also drastically reduced the timeline for completion, minimizing disruption to the surrounding area and the community.

Additionally, SprayWall, with its 50-year design life, provides a long-term solution against future microbial-induced corrosion, offering peace of mind to asset owners and municipalities. With this extended lifespan, the lift station is now poised to operate efficiently for decades to come, alleviating concerns about future maintenance and ensuring continuous functionality.

Fuquay's utilization of SprayWall for the rehabilitation of the lift station not only restored the structure's integrity, but also delivered significant cost savings, expedited completion, and provided long-term reliability, exemplifying the many benefits of Sprayroq's solutions in addressing critical infrastructure challenges.



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