

WEATHERPROOFING SEATAC INTERNATIONAL AIRPORT GARAGE

Contech Will Install Over 25,000 Linear Feet of Expansion Joint Assemblies For The Airport

The first phase of the eighth Floor Weatherproofing Project at the SeaTac International Airport garage was completed recently. Contech's Seattle office received a subcontract to remove and replace all of the approximately 4,000 linear feet of pedestrian and vehicular seismic expansion joint assemblies on the top deck of the airport's central parking garage. Although the first phase had a challenging schedule



due to substantial weather delays impacting prior trades work, Contech Services finished on time, with industry leading installation quality. Additionally, there were no safety violations, incidents or near misses thanks to Contech's Safety, Health and Environmental program, employee safety empowerment, training and crew experience.

The predominately aluminum expansion joint systems range in width from 4 inches up to 20 inches. All of the newly installed systems utilize a gutter to capture water and direct the runoff to drainage piping. The vehicular systems are designed for the heavy traffic the garage experiences during operation. The pedestrian locations are designed with heavy duty cover plates to ensure no bending or deformation occurs as hard wheeled luggage cart traffic moves across the seismic openings.

The second and final phase of the eighth floor work will begin in the spring of 2013 with completion next fall. When this project wraps up, Contech Services, Inc. will have installed over 25,000 linear feet of expansion joint assemblies for the airport over the last 14 years.

PROTECTIVE COATING FOR INTERIOR POTABLE WATER RESERVOIR

Contech Installs a Potable Water Approved Epoxy Coating to 20,000 Sq Ft of Interior Surfaces

Contech Services Portland/Vancouver office was awarded a contract to apply a potable water approved epoxy coating to all interior concrete surfaces (about 20,000 square feet) of a local municipality reservoir. This 2MG reservoir is 105' in diameter and 30' tall with a concrete lid/roof supported by 14" square columns. The underside of the lid/roof was the only surface not to receive the approved coating.

Earlier investigations and testing of the interior concrete found it to be soft and unsound to a depth



of 0" to .25". Therefore, prior to applying the coating, this top suspect surface matrix was removed by hydro blasting. Additionally, there were a few locations of isolated concrete repair and treatment of exposed reinforcing steel.

This new epoxy coating is intended to give the reservoir concrete surface protection and allow for many continued years of service life to the surrounding community. Work was executed safely, on time and within everyone's budget, an overall success.



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Cell Tower Leg
Grouting

Hospital Expansion
Joints

Soil Stabilization/
Pressure Grouting

WTP Leak Repairs

HIGH RISE APARTMENT COMPLEX SEISMIC UPGRADE COMPLETE

Contech Successfully Completes Demanding And Large Scale Project On Time

During the first quarter of 2012, Contech Services, Inc. of California completed a demanding and large scale "Voluntary Seismic Upgrade" project to an existing high-rise apartment complex in Santa Monica, CA. All work was on a tight schedule including testing, mock-up and noise restrictions. Our crews attacked the project on both ends of the 16 story building to expedite the project and accelerate completion. We utilized swing stages to access work for the paint removal and surface preparation for the bonded FRP (Fiber Reinforced Polymer) application. We put into service a carbon fiber system which carries both ICC and Los Angeles RR



approvals. Testing was performed at the start of the project to confirm the existing steel and concrete strengths. Additionally we performed mock-ups to represent the finished FRP installation with cement based finishes. Construction noise mitigation was also important so sound mock-ups and monitoring were conducted during the middle of the workdays. Over 30,000 SF of Carbon Fiber FRP was installed within 6 weeks to meet the rigid schedule. After FRP was installed, a cement based trowel finish was installed by others and painted to match the balance of the building. We are very proud of our performance and coordination on this project.



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RECENT STRUCTURES

- Reservoir
- Shopping Mall
- Church
- Plaza Repairs
- Stadium
- Tilt-Up Building
- Pulp & Paper Mill

RESTORATION EXPERTISE

- Concrete Repairs
- Epoxy Crack Injection
- Composite Strengthening (FRP)
- Waterproofing
- Shotcrete (Wet or Dry)
- Grouting
- Expansion Joint Systems
- Elastomeric Deck Coatings
- Epoxy Floor Coatings
- Caulking & Sealants

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