

Leak Repairs and Expansion Joint Assemblies Installed At Washington's Historic Union

Washington, DC - Tecvac, Inc. has now completed leak repairs and the installation of new TecJoint™ expansion assemblies in the parking ramp link structure at Union Station.

In connection chronic leakage into the historic train station, Tecvac worked closely with the A/E team of McKissack & McKissack and McMullan Associates, to bring the water intrusion to a halt. Since the ramp is over 1000 feet long and was not originally designed to be waterproof, this proved to be a formidable task.

Varying construction details, intense traffic from taxis and heavy bus loads caused significant damage to previously installed expansion joints within a short period of time after installation. Tecvac installed heavy bridge-type joints with its TecJoint™ Process that were designed to withstand intense traffic.

Many of the leaks were found to be originating under curbing and sidewalks. The cracks discovered were repaired with Tecvac's exclusive TecSeal™ Process of resin injection. TecSeal™, is a method developed by Tecvac, Inc. to introduce repair materials deep into fractures using negative force induction. Tecvac uses a special expansive repair material that is as thin as water. Then, rather than pushing the material with pressure, the TecSeal™ Process pulls the material along and across the plane, deep within the fracture zone. Then, the entire area was waterproofed with a tough polyurethane waterproofing membrane and the concrete was re-cast.

After numerous rain events, there is not a single leak in the station area below. It was noted by Amtrak personnel that five previous contractors in the past seven years failed to get the area watertight. Tecvac is proud to proclaim that its technicians did.

To learn more about this distinguished process, or to discuss your chronic problem, call and speak to a Tecvac technical representative.

TECVAC, Inc.

886 Rhonda Place Leesburg, VA 20175
Office 703 742-9186 Fax 703 742-9231 Toll Free 800 847-9324

