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## CASE HISTORY



As construction on the City Place Underground Subway Tunnel continues, so does the discovery of new leaks within the structure. Most of the leaking areas occurred in construction joints, which, fortunately, were filled with BBZ Fuko Injection hose.

This hose is installed in the joint prior to the placement of the next lift of concrete in place of PVC rubber water stops. The vent and injection ends of the hose are projected through the concrete wall and coiled up in a device that resembles an electrical outlet box which is attached to the inside of the form. Once forms are stripped, the box's open end is exposed and vent ends visible. This box can be covered using a standard faceplate.

If at any time in the future a leak should develop in the construction joint, a qualified BBZ contractor can inject the hose until the injected material (usually Duroseal Inject) is seen coming from the vent end. At that time, the vent end is clamped shut and the injection end pressurized to allow material to flow into the joint, thus sealing it. Once enough material has been injected, the design of the hose allows it to be flushed clean by attaching a vacuum suction hose on one end and inserting the other end in a pail of clean water and sucking the material out of the hose until clear water is seen. The hoses can be put away and if need be, re-injected at any time in the future.

**Project:** City Place Underground Subway  
Phase II

**Dallas, Texas**

**Owner:** Dallas Area Rapid Transit

**Injection Systems:** Acrylic Resin

**Area:** 140 l-f of Fuko Hose

**Completed:** October 1996



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