



## Union Station Link Ramp Structure - Washington, DC

### PROBLEM

- Severe and chronic leakage into the facility through cracks and expansion joint assemblies.
- Deteriorated concrete
- Broken prestressed tendons
- Operations cannot be interrupted

### SOLUTION

- Removal of the walkway
- Design and rehabilitation of the expansion joint assembly
- Shoring
- Removal and replacement of deteriorated beam/column concrete.
- Vacuum structural repairs with PermeJect™ Permeation Injection Process
- Temporary signage and graphics for traffic routing to accommodate the work.

