

**DSI References**

Owner RED Development, LLC, Scottsdale, AZ, USA +++ **Shoring Contractor** Buesing Corp., Phoenix, AZ, USA +++ **General Contractor** Hunt Construction Group, Phoenix, AZ, USA +++ **Shoring Engineer** AMEC, Phoenix, AZ, USA +++ **Structural Engineer** Paul-Kohler, Scottsdale, AZ, USA +++ **Architect** Callison Architects, Seattle, Washington, USA
DSI Unit DSI USA, BU Geotechnics, USA
DSI Scope Supply of 18,480m of type R38N DYWI[®] Drill Hollow Bars and 13,200m of R51N DYWI[®] Drill Hollow Bars type incl. accessories; rental of stressing jack

**Redevelopment of Downtown Phoenix, Arizona with DSI USA**

For more than ten years, there was a nearly empty area the size of three blocks in the downtown area of Phoenix in Arizona. This space included two parking lots as well as the city's only central park, Patriots Square Park. In order to revive Phoenix's city center and make better use of this important location, a decision was made to build the Phoenix CityScape Project.

The project includes an area of more than 232,000m² with several new buildings that will accommodate shops, restaurants, apartments, offices and parking spaces. In addition, the city will redesign Patriots Square Park to make it more appealing for all citizens.

The project is the largest private investment project to have ever been carried out in downtown Phoenix. The new complex of buildings will function as a service center and be open to residents, tourists and visitors to the Phoenix Congress Center. It will be

directly linked to the city's new light railway network.

The plans currently include four forty-story, 120m tall high-rise-buildings in which a surface of more than 232,000m² will be available for shops and restaurants. Approximately 55,700m² are planned for offices, and there will be 400 new hotel rooms in two different hotels. In addition to approximately 1,200 condominiums and 65 apartments, the project will include approximately 3,900 parking spaces.

For excavation support, DSI USA was awarded a contract to supply the DYWI[®] Drill Hollow Bar Soil Nail System. All in all, DSI supplied 18,480m type R38N DYWI[®] Drill Hollow Bars as well as 13,200m type R51N DYWI[®] Drill Hollow Bars. The hollow core of these special rods allows for simultaneous drilling and grouting of the nail.

DSI USA also supplied the necessary system accessories such as nuts, washers, plates, drill bits and grout swivels. In addition, DSI USA rented the stressing jack needed for testing the soil nails. Construction for this major project began in October 2007 and the first part of the project is scheduled for completion by the end of 2009. The new complex of buildings in the city center of Phoenix is scheduled for completion in 2011.

