

# Arizona Best of 2008

## METRO Light Rail Line Section 5

Transportation



**The 20-mi-long new light rail** was divided into five separate sections and bid to five different contractors. The 4.9-mi-long light rail section five, which begins at First Street in Tempe and goes to downtown Mesa, was completed ahead of schedule. The project also includes track and guideway in the newly replaced Tempe Canal Bridge and partial replacement of the Apache Blvd./Loop 101 bridge structure.

Work included demolition, relocation of water and sewer lines, roadway improvements, drainage modifications, platform foundations, traffic control signals, landscaping, systems ductbanks and conduits, overhead catenary system foundations, preparation and installation of track and at-grade crossings. Unique challenges included archeological finds, utility relocations, heavy traffic areas such as the ASU college campus and the construction

of a bridge above final grade which was then lowered to final design elevation.

The nature of the project required a high degree of communication skills and the ability to work with the public in a neighborly and respectful manner.

**Submitted by:** Sundt/Stacy & Witbeck,  
A joint venture

**Owner:** Valley Metro Rail Inc.

**Project Engineer:** HDR Engineering

**Contractor:** Sundt/Stacy & Witbeck,  
A joint venture

**Engineers:** Parsons Brinkerhoff;  
Gannett Fleming; ATL Inc.

**Subcontractors:** Five G Inc.; Tpac;  
Rinker Materials; European Pavers  
Southwest Inc.; Penhall; MRM  
Construction Services; ISS Grounds  
Control Inc.; Ammex Rebar Placers;  
American Asphalt Paving &  
Sealcoating; Road Markings Inc.;  
Action Barricade; CS Construction