

**Engineering Division Request to Solicit
PROPOSALS
for
6th Street Memorial Park Water Transmission Main Reconstruction
PROJECT NO. 50439
W04-1423**

PROJECT DESCRIPTION

The City of Rapid City proposes to design and construct a new water transmission main beginning at the intersection of 6th Street and Memorial Park and proceeding northerly through Memorial Park.

Design services shall include alignment analysis, corrosion protection, preliminary design report, plans, specifications and cost estimates.

The project includes construction of approximately 1600 feet of 24" water main, and appurtenances. The Omaha Street water main corrosion study, which was done in 2002, indicated that the existing 24" cast iron water main has major corrosion damage and graphitization. Corrosion damage was estimated to be 50 to 75-percent of the way through the pipe wall. The project is preliminarily estimated to cost \$240,000.00. The project is slated for design in late 2004 and early 2005, with construction to be completed by mid-year, 2005.

Funding for this project is from the Water Enterprise Fund.

Design criteria for the project shall include the "City of Rapid City Standard Specifications for Public Works Construction, 2004 Edition"; "Recommended Standards for Water Works" (Ten State Standards, latest edition); "Design Criteria Manual for Water Distribution Systems and Sanitary Sewer Collection Systems for the City of Rapid City" (Draft).

The operation and maintenance costs after completion of this project will be minimal. The project will result in a new water main with an anticipated useful life of 75 to 100 years.