



Date: October 27, 2015
To: Water Utility Board
From: Dennis M. Cawley P.E.
Re: Request to Advertise for Engineering Design Proposals
Project: 2016 Painting Contract

General Scope

Madison Water Utility (MWU) is seeking to advertise for proposals from interested, qualified firms to provide professional engineering services for the preparation of plans and specifications, and construction inspection services for the painting of three steel water storage reservoirs.

Madison Water Utility has proposed spending \$1,650,000 in the 2016 Operating Budget for the repainting of a 3 million gallon reservoir at 4724 Spaanem Avenue (9), a 3 million gallon reservoir at 4701 Bunker Hill Lane (115), and a 500,000 gallon elevated storage tank at 3518 Cross Hill Drive (315).

Background

Reservoir 9 was constructed in 1960 and is 106 feet tall and 79 feet in diameter. The exterior was recoated in 2002 but there is no evidence that the interior has ever been recoated with proper surface preparation.

Reservoir 115 was constructed in 1966, and is 46 feet tall and 110 feet in diameter. In 2001 the interior was properly recoated but the exterior was just brush coated without recommended surface preparation.

Reservoir 315 was constructed in 1994 and is a 116 foot tall golf ball style reservoir that has never been recoated.

AWWA Standard D 102-14 Coating Steel Water Tanks, recommends that prior to repainting all steel surfaces be sand blasted in accordance with standards established by the Steel Structures Painting Council (SSPC) and the National Association of Corrosion Engineers (NACE).

The Water Utility seeks to hire a professional consultant with staff familiar with the SSPC standards and with inspectors certified by NACE.

Staff Availability

MWU Engineering staff does not have staff trained in SSPC and NACE standards which is required to complete this project. MWU will work closely with the selected consultant to ensure project objectives are met.

Estimated Cost

The total design and construction project budget is estimated at approximately **\$1.65 million**, distributed as follows:

Consultant Services

- Consultant Engineering Services: \$ 70,000
- Facility/Reservoir Construction: \$ 1,550,000

Water Utility Staff Engineering Work

- Water Utility Engineering Services: \$ 30,000

Total Estimated Project Cost: \$ 1,650,000