



City Council Report

Date: November 3, 2014
To: City Council
Through: Kari Kent, Deputy City Manager
From: Beth Huning, City Engineer
Rob Kidder, Assistant City Engineer
Subject: Preconstruction Services Contract for the
Compressed Natural Gas Infrastructure Improvements
City Project CP0440
Citywide

Strategic Initiatives



Purpose and Recommendation

The purpose of this report is to provide information to the Council on the Construction Manager at Risk (CMAR) Preconstruction Services Contract for the Compressed Natural Gas (CNG) Infrastructure Improvements Project. Refer to Exhibits "A1" and "A2" for the sites of the proposed infrastructure improvements.

It is recommended that Council award the contract to Caliente Construction, Inc. for a total award amount of \$50,832.00.

Background

The Solid Waste Department is in the process of converting their collection fleet to CNG fueled vehicles to reduce overall operational costs for refuse collection. The Solid Waste Department currently relies on a mobile, temporary fueling station at the 6th St. Service Center for their existing CNG Vehicles. The City's existing CNG fueling infrastructure at the 6th St. Service Center and East Mesa Service Center, initially installed in 1994, are insufficient to meet the needs of a fully converted Solid Waste CNG fleet. Other City Department fleet vehicles are also being considered for conversion to CNG fuel. Additional CNG station capacity is needed to meet the fuel needs of planned purchases of CNG vehicles such as light duty pickup trucks by multiple departments.

With continued growth and development in the eastern portion of the City, expansion of the Solid Waste fleet will be necessary. The projected fleet is anticipated to grow to 69 CNG vehicles split between the East Mesa Service Center and the 6th St. Service Center. Splitting the fleet between the two service centers allows for the most efficient collection and operational procedures.

Service center maintenance garage modifications are also necessary to meet building code requirements for work on CNG vehicles and to provide for a safe work environment.

Discussion

In July 2014, City Staff received four Statements of Qualifications (SOQs) from potential contractors that were interested in becoming the CMAR for the CNG infrastructure Improvements project. Based on an evaluation of the SOQs by a panel consisting of staff from the Engineering, Solid Waste, Fleet Maintenance, and Energy Resources Departments, as well as an independent General Contractor (as required by State law), Caliente Construction, Inc. was selected as the top ranked firm. Caliente Construction is a local General Contractor based in Mesa.

The Preconstruction Services Contract will allow the CMAR to be involved as part of the project team during the development of the plans and specifications for the fueling stations and garage modifications. At the conclusion of the design phase, Staff will bring the construction contract ("GMP" package) to council for consideration. Staff also anticipates the need for multiple GMPs for separate project components including fueling stations and garage modifications for each of the Service Center sites, which staff will also bring before Council for approval.

Alternatives

One alternative is to not build the proposed Compressed Natural Gas fueling station. This is not recommended because it would increase operational costs, limit the ability of the Solid Waste Department from providing adequate refuse collection service to current residents, and would not allow for expansion of the fleet to meet the needs of growth in the east valley.

Another alternative is to use the low bid delivery method. Staff recommends the use of the CMAR contracting method due to the complexity of the project and the special type of work that must be performed. Contracting using the CMAR process should result in a reduction of construction change orders and related claims since the CMAR is providing valuable input during the design phase.

Fiscal Impact

The recommended total award is \$50,832.00. This project is funded by 1994 authorized Solid Waste bonds.

Coordinated With

The proposed project impacts the Solid Waste, Energy Resources, and Fleet Services Departments. These departments concur with this recommendation.