

Staff Report

TO: Board of Directors

FROM: Tonia M. Tabucchi Herrera, PE, Senior Engineer
Matthew Crowe, PLS, Land Surveyor

DATE: August 23, 2023

SUBJECT: **Surveying Services for Tarr Canal at Auburn Road (Project #2646) and Tarr Diversion (Project #2336) Projects**

ENGINEERING

RECOMMENDATION:

Award a consulting contract to Wood Rodgers, Inc. for surveying services for the Tarr Canal (Project #2646) and Tarr Diversion (Project #2336) Projects (Projects) in the amount of \$153,660, and a contingency of \$23,049, and authorize the General Manager to execute the appropriate documents.

BACKGROUND:

The Tarr Canal distributes raw water year-round to customers in the Nevada Irrigation District (District). Portions of the Tarr Canal starting at Auburn Road have been identified for concrete lining or box culvert installation due to leakage sections and limited access issues. The Tarr Diversion project was identified to replace the headworks of the canal at Wolf Creek due to the structure being badly deteriorated. Water leaks through the existing diversion and walls, while the sluice gate is inoperable and buried. For design, CEQA, and permitting to proceed, a topographic survey with property and easement delineation is required.

The Projects require topographic surveying along approximately 11,300 lf of canal, the diversion structure area, approximately 13,100 lf of access road, staging area, and spill channels. The survey work will also include delineation of property boundaries and easements across approximately 25 parcels.

The survey work will take an estimated two to three months to complete in a concentrated effort. To meet District's schedule for these Projects, District surveying staff would need to dedicate nearly all of their time to this job for two to three months. Consequently, most other District projects and routine functions that require surveying support would be delayed. Engineering and Surveying staff determined

that an outside surveying firm could perform the necessary services for the combined Projects, allowing District surveying staff to focus on the broader survey needs of the District.

On July 6, 2023, an RFP for Surveying Services was sent to five (5) qualified consultants. The District received two (2) proposals with two (2) formally declining to submit.

Proposals were reviewed by four (4) Staff members independently and discussed as a group. Both consultants ranked high in the evaluation and are qualified to complete the survey.

Below is a list of the consultants and their associated costs.

- Wood Rodgers, Inc. \$153,660
- Dundas Geomatics, Inc. \$185,255

Based on the Wood Rodgers proposal content, timeline, and available staffing, Staff recommends that Wood Rodgers be awarded the consulting contract in the amount of \$153,660 with a contingency of \$23,049.

BUDGETARY IMPACT:

The Tarr Canal and Tarr Diversion Projects are included in the approved 2023 CIP Budget with a budget of \$80,000 and \$180,000, respectively for a total of \$260,000. The total contract amount of \$153,660 will be weighted over the two projects for a cost of \$122,928 (80%) for the Tarr Canal and \$30,732 (20%) for the Tarr Diversion. Any contingency used will be divided as appropriate to the two projects. A mid-year amendment request is pending to transfer sufficient funds to the Tarr Canal from the Tarr Diversion to allocate the surveying services accordingly. The overall budget amount for 2023 for the two projects will not change. The contract will not be executed until the amendment request is approved by the Board.

TMTH/mbc

Attachments: None