



**REPORT TO: SUA**

**MEETING DATE: DECEMBER 20, 2021**

<b>Agenda Item:</b>	6 a, b, c. SUA-21-56
<b>Prior Council Action/Related Items:</b>	<a href="#">SUA 21-20</a> ; <a href="#">Study Session 092721</a> ; <a href="#">Study Session 102521</a>
<b>Background / Issue:</b>	<ul style="list-style-type: none"><li>• Previous studies at the Water Treatment Plant (WTP) and Raw Water Delivery System (RWDS) indicated improvements were needed to various components for the systems.</li><li>• Given the magnitude of the indicated improvements, staff recommended to SUA Trustees that an overall assessment of the WTP and RWDS should be performed to determine the feasibility of constructing new facilities.</li><li>• On June 07, 2021, SUA authorized Professional Services Agreements (PSA) with Carollo Engineers (Carollo) and Burns &amp; McDonnell (B&amp;M) to perform Project Definition Services for improvements to the Water Treatment Plant (WTP) and Raw Water Delivery System (RWDS) including determination on feasibility of constructing new facilities</li><li>• In selecting and recommending Carollo and B&amp;M to SUA for the Project Definition Phase, it was the intent for those firms to move into design and construction of any needed improvements.</li><li>• On September 27, 2021, staff presented to City Council alternatives for additional raw water storage, improvements to the WTP, and confirmed previous identified system improvements were compatible with the alternatives for other work at the WTP.</li><li>• On October 25, 2021, staff provided an update to City Council and estimated that the SUA would be asked to consider authorization of the confirmed system improvement projects in November/December.</li><li>• The confirmed system improvements include:<ul style="list-style-type: none"><li>○ Caustic Feed System</li><li>○ Recovered Water Pump Station</li><li>○ Finished Water Pump Station</li><li>○ Cathodic Protection System</li></ul></li></ul>

	<ul style="list-style-type: none"> <li>• A Cathodic Protection System is still within the study phase and design/construction will be considered by SUA in the future.</li> </ul>
<p><b>Proposal/Solution:</b></p>	<ul style="list-style-type: none"> <li>• Staff believe it is in the best interest of the SUA to continue to use Carollo and B&amp;M for design, preconstruction services, and Construction Manager at Risk (CMAR) services for the caustic feed system, finished water pump station and recovered water pump station in advance of the other elements of the WTP and RWDS.</li> <li>• The CMAR will provide pre-construction services and ultimately set the guaranteed maximum price (GMP) when design has reached 90% completion. Once design is complete, the CMAR will assist SUA in competitively bidding various elements of the construction work and manage construction of the project.</li> <li>• B&amp;M will serve as CMAR and will provide pre-construction services for the caustic feed system, finished water pump station and recovered water pump station through Contract Amendment No. 1 (CA1) to the PSA in an amount not to exceed \$396,806.</li> <li>• Carollo will provide design services for the caustic feed system through Contract Amendment No. 1 in an amount not to exceed \$179,355.</li> <li>• Carollo will provide design services for the finished water pump station and recovered water pump station through Contract Amendment No. 2 (CA2) in an amount not to exceed \$1,998,078.</li> </ul>
<p><b>Financial Impact/Funding Source(s):</b></p>	<ul style="list-style-type: none"> <li>• Sufficient funds are available in the Water Fund for the design and pre-construction services.</li> <li>• Construction may be funded by a combination of the Water Fund and DWSRF loans, or other loan or grant funds. Staff will return to SUA when the projects are ready for construction.</li> </ul>
<p><b>Strategic Plan Alignment:</b></p>	<p>#4 Connected Spaces: To develop a strong sense of place that recognizes the interconnectedness of people, buildings and public systems (such as transportation, utilities and parks) that best serve the needs of the public.</p>
<p><b>Recommended Action/Motion:</b></p>	<p>Agenda Item 6a:</p> <ul style="list-style-type: none"> <li>• Motion to approve Contract Amendment No. 1 to Agreement for Construction Management at Risk Services with Burns &amp; McDonnell to modify scope of services to include services for Preconstruction Phase</li> </ul>

for the caustic feed system, finished water pump station, and recovered pump station; authorize General Manager to sign the amendment; and approve the budget amendment appropriating \$437,000 for the project and authorize expenditures not to exceed \$437,000.

Agenda Item 6b:

- Motion to approve Contract Amendment No. 1 to Professional Services Agreement with Carollo Engineers to modify scope of services to include design services for the caustic feed system; authorize General Manager to sign the amendment; and approve the budget amendment appropriating \$198,000 for the project and authorize expenditures not to exceed \$198,000.

Agenda Item 6c:

- Motion to approve Contract Amendment No. 2 to Professional Services Agreement with Carollo Engineers to modify scope of services to include design services for the finished water pump station and recovered water pump station; authorize General Manager to sign the amendment; and approve the budget amendment appropriating \$2,198,000 for the project and authorize expenditures not to exceed \$2,198,000.

**Prepared By:**

David Barth, P. E., Capital Project Manager  
Bill Millis, P.E., Deputy Director, City Engineering

**Reviewed By:**

Monty Karns, Director City Engineering  
Patti Osmus, Assistant to the City Manager

**Submitted By:**

Norman McNickle, General Manager

**Attachment(s):**

Budget Amendment