



## CITY COUNCIL MEETING STAFF REPORT

<b>Meeting Date:</b> September 19, 2022		<b>Subject: Resolution No. 3000</b> Authorizing the City Manager to Execute a First Amendment to the Professional Services Agreement with Murraysmith, Inc. to Provide Final Design and Construction Support Services for the Charbonneau Lift Station Rehabilitation (CIP #2106)  <b>Staff Member:</b> Mike Nacrelli, PE, Senior Civil Engineer  <b>Department:</b> Community Development	
<b>Action Required</b>		<b>Advisory Board/Commission Recommendation</b>	
<input checked="" type="checkbox"/> Motion <input type="checkbox"/> Public Hearing Date: <input type="checkbox"/> Ordinance 1 <sup>st</sup> Reading Date: <input type="checkbox"/> Ordinance 2 <sup>nd</sup> Reading Date: <input checked="" type="checkbox"/> Resolution <input type="checkbox"/> Information or Direction <input type="checkbox"/> Information Only <input type="checkbox"/> Council Direction <input checked="" type="checkbox"/> Consent Agenda		<input type="checkbox"/> Approval <input type="checkbox"/> Denial <input type="checkbox"/> None Forwarded <input checked="" type="checkbox"/> Not Applicable  <b>Comments:</b> N/A	
<b>Staff Recommendation:</b> Staff recommends Council adopt the Consent Agenda.			
<b>Recommended Language for Motion:</b> I move to adopt the Consent Agenda.			
<b>Project / Issue Relates To:</b>			
<input type="checkbox"/> Council Goals/Priorities:	<input checked="" type="checkbox"/> Adopted Master Plan(s): Wastewater Collection System Master Plan 2014 Project CIP-23	<input type="checkbox"/> Not Applicable	

### ISSUE BEFORE COUNCIL:

A City of Wilsonville Resolution approving a First Amendment to the Professional Services Agreement (PSA) with Murraysmith, Inc. in the amount of \$453,509 for Final Design and Construction Support Services for the Charbonneau Lift Station Rehabilitation (CIP #2106) project (Project).

**EXECUTIVE SUMMARY:**

The Charbonneau Lift Station pumps wastewater collected from the Charbonneau District on the south side of the Willamette River, across the Interstate 5 (I-5) Boone Bridge via a 12-inch force main to the Wilsonville Wastewater Treatment Plant (WWTP) located on the north side of the river. The lift station was originally built in 1972 and was last updated in 1996.

The 2014 Wastewater Collection System Master Plan identified the Charbonneau Lift Station as needing major improvements in the near term. A subsequent condition assessment completed in 2018 confirmed this finding and identified additional required improvements to ensure the continued functionality and reliability of this lift station. In addition, the force main between the lift station and WWTP mounted to I-5 Boone Bridge consists of multiple changes in pipe size and materials, experiences occasional clogging, and lacks pipe access needed for regular maintenance.

Council approved Resolution No. 2945 on December 20, 2021, authorizing a Professional Services Agreement with Murraysmith in the amount of \$163,197 for Preliminary Engineering Services for the Project. Preliminary design is now complete, and a final design scope and fee have been negotiated.

**EXPECTED RESULTS:**

The pumping, electrical, and control systems will be replaced, and a new wet well constructed with submersible pumps installed. Site access for operation and maintenance will be improved, and a permanent standby generator will be installed to reduce the risk associated with power outages. The oldest segment of the force main will also be replaced.

**TIMELINE:**

Final design will be completed in September 2023. Construction is anticipated to begin in December 2023 and be completed by September 2024.

**CURRENT YEAR BUDGET IMPACTS:**

The adopted budget for FY22/23 includes \$510,750 in Sewer Operating funds for CIP #2106. The contract amendment amount for Final Design and Construction Support Services is \$453,509, within the FY22/23 budgeted amount. The project construction costs will be updated during final design and help inform the FY 23/24 Project budget.

**COMMUNITY INVOLVEMENT PROCESS:**

Outreach to residences in the immediate vicinity of the lift stations will be provided by City staff through direct mail. Meetings will be scheduled to solicit input on proposed changes to the lift station and address concerns pertaining to site access, visual aesthetics, noise, and odor control.

**POTENTIAL IMPACTS OR BENEFIT TO THE COMMUNITY:**

The Project will benefit the community by providing more reliable critical wastewater infrastructure and minimizing the risk of failure.

**ALTERNATIVES:**

Not proceeding with the project will result in increased deterioration of structural assets, greater risk of equipment failure, and increased operations and maintenance costs.

**CITY MANAGER COMMENT:**

N/A

**ATTACHMENTS:**

1. Vicinity Map
2. Resolution No. 3000
  - A. Charbonneau Lift Station Rehabilitation Project First Amendment to Professional Services Agreement