

CITY OF JOPLIN COUNCIL AGENDA ITEM

ITEM

Council Bill 2022-154 Work Authorization with Allgeier, Martin and Associates, Inc. for the Swede Lane Lift Station Improvements project; and containing an emergency clause.

MEETING DATE

November 7, 2022

ORIGINATING DEPT

Public Works / Engineering

ATTACHMENTS

CB 2022-154 Ordinance; Work Authorization AMA-OC22-021; Exhibit Map

REVIEWED BY

Director of Public Works – Daniel Johnson, Director of Finance – Leslie Haase, City Attorney – Peter C. Edwards, Assistant City Manager – Tony Robyn, City Manager – Nicholas Edwards

SUMMARY

This Council Bill approves a work authorization with Allgeier, Martin and Associates, Inc. (AMA), for the Swede Lane Lift Station Improvements Project in the not to exceed amount of One Hundred Ninety-Two Thousand and 00/100 Dollars (\$192,000.00).

BACKGROUND

Situated in the northernmost part of Joplin, the Swede Lane Lift Station (LS) serves the Logan's Run subdivision, Joplin's north industrial park, and the Joplin Regional Airport; the FEMA trailer park was also served by this LS. Recently, a developer proposed to build the 278-home subdivision, Emerald Glades, along N. St. Louis Ave. The developer proposed to build a new lift station, which would be connected to the same force main from the Swede Lane lift station. City staff hired AMA to evaluate the operational impact on the Swede Lane LS if another lift station connected to its force main. Noting that the 2020 Wastewater Facilities Plan had recommended upgrades to the Swede Lane LS as a priority, AMA recommended that the City have the developer connect its proposed subdivision by gravity to the Swede Lane LS, rather than assuming ownership and maintenance of another lift station, along with experiencing the effects of further impairment of the lift station's operations. The Swede Lane LS's existing valves appear to have reached the end of their useful life, as evidenced by heavy corrosion. Furthermore, this LS's reliability is already hindered because its existing pumps do not provide a scouring velocity within the force main, resulting in the buildup of solids within its mile-long piping. Not only does this result in a smaller opening within the pipe for flows, it also promotes the generation of unpleasant odors and corrosive gases. AMA was selected as the most qualified on-call engineering firm to provide these professional engineering services. The consultant's fees are within industry standards for design and bidding. AMA's scope includes development of construction drawings for approximately 3,600 LF of gravity sewer piping, and the upgrades to the Swede Lane lift station. Additionally, AMA will coordinate with the developer on route selection, and, if needed, assist with some easement negotiations.

FUNDING SOURCE

These payments are included in the FY 2022-2023 budget of the Wastewater fund.

RECOMMENDATION

Staff recommends adoption of this Council Bill, approving a work authorization on an Emergency basis being an ordinance relating to a public improvement, it is an emergency within the meaning of Section 2.12(6) of the HOME RULE CHARTER of the City of Joplin, Missouri and the Council hereby declares that this ordinance shall be in full force and effect from and after its passage. Specifically, adoption of this Council Bill on an emergency basis allows the design of the lift station improvements to occur prior to the lift station receiving flows from the Emerald Glades subdivision.