

EXECUTIVE BRIEF REGULAR MEETING

AGENDA DATE: August 17, 2021

DEPARTMENT: Electric

TITLE:

Ratification of First Amendment to Work Order No. 2 with Service Electric Company for additional construction services for the 138kV Transmission Static Line Project

SUMMARY:

Ratification of First Amendment to Work Order No. 2 with Service Electric Company approves the emergency authorization provided to Service Electric Co. to provide additional construction services for the 138kV Transmission Static Line Project at a cost not to exceed \$257,855. This project has been identified as an element of the City's electric utility System Hardening and Reliability Improvement Project (SHRIP) and for which bonds were sold in November 2020.

BACKGROUND AND JUSTIFICATION:

The City previously issued a Request for Proposals in 2018 (RFP 18-219) to provide letters of interest and qualifications from companies/firms to provide 138kV utility transmission line repairs, maintenance, and new construction services. Service Electric Company (SEC) was one of three firms selected under RFP 18-219 to provide these services. The term of this agreement is for (3) years with (2) two additional single year renewals.

On August 28th, 2020, the City Commission approved Work Order No. 2 to SEC, for the 138kV Transmission Static Line Project. The scope of work for this project included replacement of the static line brackets, complete grounding and bonding of the static line and top damaged 138kV Transmission Line poles as needed. The work for this project was to be completed along both segments of the Tie-Line which are the Hypoluxo to Main and the Canal to Main segments, each offering different types of challenges.

The Static line is the upper-most wire on the City's 138kV Transmission Line and serves to protect the live 138kV power lines below it in the event of a lightning strike or during storm events. Through inspections, it was found that the static line required additional grounding & bonding to effectively protect the 138kV Transmission Lines and mitigate a potential outage in the event of a lightning strike. In addition to replacing the static wire brackets, several of the 138kV transmission poles required that the top six inches be removed due to spalling to facilitate reinstallation of the static line brackets and provide a secure mounting connection.

At the time of the initial work order, it was known that additional work would be required to complete the project, however the full extent and duration of the additional work would not be evident until the project was started and field conditions verified. The additional work was initially identified as installation and removal of matting & blocking, rail way flaggers, Maintenance of Traffic (MOT) and vegetation management. A budget of \$250,000 was set up and included as part of FY21 SHRIP improvements to fund the anticipated additional costs.

The project was kicked off on July 6th and SEC began work immediately working both the Canal to Main and Hypoluxo to Main segments. As work along the Hypoluxo to Main section began, SEC line crews experienced poor soil conditions, uneven ground and thick vegetation along the CSX corridor. It was confirmed that SEC would need to install matting that would allow the high-line trucks access without getting stuck in addition to providing a suitable platform for the high-line trucks at each pole location. Additional support was also required to assist the City's

vegetation crews to clear the path of vegetation along the CSX corridor for SEC's matting team. Additional costs were also incurred for Maintenance of Traffic (MOT) and for rail worker flaggers to keep the crews safe while working along the roadways and within the CSX rail corridor. Emergency authorization was provided in order for SEC to provide the additional work in order to keep the project moving forward and eliminate costs for remobilization and time-delays. All work has been completed to date without incident. The costs for additional services for the installation/removal of matting & blocking, vegetation management, railway flaggers and maintenance totaled \$257,855.

MOTION:

Move to ratify/not ratify the First Amendment to Work Order No. 2 with Service Electric Company, for additional construction services for the 138kV Transmission Static Line Project in the amount not to exceed \$257,855.

ATTACHMENT(S):

Fiscal Impact Analysis
First Amendment

FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2021	2022	2023	2024	2025
Capital Expenditures	\$257,855	0	0	0	0
Operating Expenditures	0	0	0	0	0
External Revenues	0	0	0	0	0
Program Income	0	0	0	0	0
In-kind Match	0	0	0	0	0
Net Fiscal Impact	\$257,855	0	0	0	0
No. of Addn'l Full-Time Employee Positions	0	0	0	0	0

B. Recommended Sources of Funds/Summary of Fiscal Impact: Funds have been identified in account No. 421-6034-531-63.15, Project No. SH1802 and Project SH2101.

Account Number	Account Description	Project Number	FY21 Budget	Current Balance	Agenda Expenditure	Balance
421-6034-531-63.15	Improve Other than Build / Infrastructure	SH1801	\$830,688	\$246,999	-\$47,938	\$199,061
421-6034-531-63.15	Improve Other than Build / Infrastructure	SH2101	\$250,000	\$209,917	-\$209,917	\$0