



I. 3.

Palmer City Council Meeting

Meeting Date: 11/14/2023 **Approved**
Submitted For: Jude Bilafer, Public Works Director
Department: Public Works
Agenda Category: Action Memorandum
Legislation Number: AM 23-065

Subject

Authorizing the City Manager to Negotiate a Contract with Graham Industrial Coatings, LLC in the amount of \$35,956.00, for Preparation and Installation of a Lining System in Both Channels of the UV building at the Wastewater Treatment Plant.

Summary Statement/Background

Since the installation of the secondary clarifiers, the speed at which the wastewater travels through the treatment process has been shortened from 23 days to around 16 hours. The nature of wastewater creates uneven flows in treatment systems, peaking twice per day. Without the buffering effect of the treatment lagoons, the City's system requires significantly more cleaning and maintenance to operate within the National Pollutant Discharge Elimination System (NPDES) permit limits.

The City's wastewater operators have been regularly cleaning and disinfecting the wastewater effluent treatment channels on a weekly basis to ensure compliance with the City's NPDES permit. The current surface of the UV channels is rough concrete which provides numerous anchoring points and hiding spots for bacterial growth. To assist in the treatment process, staff recommend getting both channels resurfaced with a smooth, reflective epoxy system. The smooth surface of the system, to be installed by Graham Industrial Coatings, LLC, will eliminate most of the anchoring points for bacterial colonies and ease weekly cleaning while the reflective surface will improve disinfection rates.

Funding for this project will come from the FY 2023 Designated Legislative Grant.

Administration's Recommendation:

Approve Action Memorandum No. 23-065.

| | Fiscal Impact |
|--|----------------------|
| Total Amount of funds listed in this legislation: | \$35,956.00 |
| Legislation creates expenditure in the amount of: | \$35,956.00 |
| Budgeted Y/N?: | Y |
| Line Item(s): | 24-53-44-6227 |

Attachments

Graham Industrial Coatings Proposals
