



AGENDA MEMORANDUM

Action Item for the City Council Meeting of March 19, 2024

DATE: March 19, 2024

TO: Peter Zaroni, City Manager

FROM: Jeff H. Edmonds, P.E., Director of Engineering Services
jeffrey@cctexas.com
(361) 826-3851

Nick Winkelmann, P.E., Interim Director of Water Systems and Support Services
nickw@cctexas.com
(361) 826-1796

Josh Chronley, CTCD, Assistant Director of Finance & Procurement
joschc2@cctexas.com
(361) 826-3169

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| <p align="center"><u>Construction Contract Award and Professional Services Contract Amendment</u> <u>O. N. Stevens Water Treatment Plant Pre-Sedimentation Basin Dredging</u></p> |
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CAPTION:

Motion awarding a construction contract to GFL Environmental Services USA, Inc., of Raleigh, North Carolina to dredge, dewater, haul, and dispose of settled sediments and water treatment plant residuals from the pre-sedimentation basin at the O.N. Stevens Water Treatment Plant in an amount of \$8,757,565.00 and authorize a professional services contract amendment No. 6 to Hazen and Sawyer, Corpus Christi, Texas, to provide construction phase services in an amount of \$164,032.00, for a total contract value not to exceed \$1,147,012.00, located in Council District 1, with funding available from the Water CIP Fund.

SUMMARY:

This motion approves a construction contract with GFL Environmental Services USA, Inc., of Raleigh, North Carolina to dredge, dewater, haul and dispose of approximately 28,000 - 44,000 dry tons (DT) of settled sediments and water treatment plant residuals, as well as remove, haul, and dispose of cattails and other aquatic vegetation from the pre-sedimentation basin at the O.N. Stevens Water Treatment Plant (ONSWTP) and a professional services contract amendment No. 6 to provide construction phase services.

BACKGROUND AND FINDINGS:

The pre-sedimentation basin located at ONSWTP serves as a preliminary settling location for raw water suspended solids and is also used for emergency water storage. Built in 1988, the pre-sedimentation basin has been dredged twice since construction, with the most recent attempt in 2021-2022 resulting in partial solids removal. Results from a 2022 survey determined over 40%

of the basin’s volume consists of solids from water treatment plant residuals and settled sediments. In addition to limiting water storage capacity in the basin, the accumulated solids also hinder the usage of critical basin equipment during emergency events. Dredging the pre sedimentation basin is required to maximize emergency water storage capacity, provide optimal pretreatment solids settling, and allow for operational flexibility at ONSWTP.

This project consists of dredging, dewatering, hauling and disposing of 28,000-44,000 DT of settled sediments and water treatment plant residuals, as well as removal, hauling and disposal of cattails and other vegetation from the pre-sedimentation basin. Removed material will be transported to the Cefe Valenzuela landfill. The Contractor will be responsible for conducting and providing documentation of trip tickets and paint filter tests (as applicable), moisture content test for daily composite samples, and all other required regulatory tests for each truckload sent to the landfill.

PROJECT TIMELINE:

| 2020-2023 | 2023-2024 | 2024-2025 |
|--------------|-----------|-------------------|
| May - August | Sep-Feb | March - September |
| Design | Bid/Award | Construction |

Projected Schedule reflects City Council award in March 2024 with anticipated construction completion by September 2025.

COMPETITIVE SOLICITATION PROCESS:

The Contracts and Procurement Department issued a new Request for Bids (RFB 5204) in November 2023. The solicitation contained two base bids and required the contractor to select a disposal method. On November 29, 2023, the City received four bids. City analyzed the bids in accordance with the contract documents and determined that GFL Environmental Services USA, Inc., is the lowest responsive and responsible bidder. An administrative hearing was held on January 04, 2024, to discuss City’s expectations of the project.

| BID SUMMARY | | |
|---|--|--|
| Contractor | Base Bid 1 (Disposal to Cefe Valenzuela Landfill) | Base Bid 2 (Disposal by Land Application) |
| GFL Environmental Services USA | \$8,757,565.00 | No Bid |
| American Process Group | \$10,379,783.00 | No Bid |
| Renda Environmental | \$12,500,000.00 | \$11,170,000.00 |
| Denali Water Solutions | \$22,475,280.00 | \$18,912,000.00 |
| <i>Engineer’s Opinion of Probable Construction Cost</i> | <i>\$15,090,000.00</i> | <i>\$15,090,000.00</i> |

GFL Environmental Services USA dba Terrapure Environmental has previously worked for the City on ONSWTP Dredging of Lagoons #5 and #6 project from 2019 to 2020. GFL Environmental Services USA, Inc. has significant experience working on dredging projects and serves a wide range of industries including municipalities.

ALTERNATIVES:

City Council could choose not to award the construction contract to the low bidder, GFL Environmental Services USA, Inc. This would delay needed improvements to the ONSWTP.

FISCAL IMPACT:

The fiscal impact for FY 2024 is an amount of \$164,032 for the professional services contract amendment and \$6,000,000 for the construction contract with funding available from the Water Capital Fund. The remaining construction costs will be incurred in FY 2025 in the amount of \$2,757,565 for a total construction cost of \$8,757,565.

FUNDING DETAIL:

GFL Environmental Services USA, Inc.

Fund: WTRCP RR 032950 2023 (Fund 4487)
Department: Water (45)
Organization: Grants & Capital Projects Funds (89)
Project: ONSWTP Sedimentation Basin Improvements (Project No. 18130A)
Account: Demolition/Cleanup (530220)
Activity: 18130-A-4487-EXP
Amount: \$8,757,565

Year 1 (FY2024): \$6,000,000
Year 2 (FY2025): \$2,757,565
Total: \$8,757,565

Hazen and Sawyer

Fund: WTRCP RR 032950 2023 (Fund 4487)
Department: Water (45)
Organization: Grants & Capital Projects Funds (89)
Project: ONSWTP Sedimentation Basin Improvements (Project No. 18130A)
Account: Outside Consultants (550950)
Activity: 18130-A-4487-EXP
Amount: \$164,032

RECOMMENDATION:

Staff recommends awarding a construction to contract to GFL Environmental Services USA, Inc., of Raleigh, North Carolina for the ONSWTP Pre-Sedimentation Basin Dredging project in the amount of \$8,757,565.00, with construction duration planned for 17 months from issuance of the Notice to Proceed and authorize a professional services contract amendment No. 6 to Hazen and Sawyer, Corpus Christi, Texas, to provide construction phase services in an amount of

\$164,032.00, for a total contract value not to exceed \$1,147,012.00.

LIST OF SUPPORTING DOCUMENTS:

Bid Tabs
Location and Vicinity Maps
CIP Page
PowerPoint Presentation