



Legislation Details (With Text)

File #:	R-2020-315	Version:	1	Name:	H&S 19-04 Amend. No. 1 Oxygenation Flow Dist. Box Odor Control Replacement
Type:	Resolution	Status:			Passed
File created:	10/29/2020	In control:			Department of Public Utilities
On agenda:	12/2/2020	Final action:			12/2/2020

Title: A Resolution Of The City Commission Of The City Of Hollywood, Florida, Approving and Authorizing The Appropriate City Officials To Issue An Authorization To Proceed For Amendment Number One To Work Order Number H&S 19-04 With Hazen And Sawyer, P.C. To Provide Professional Engineering Services Related To The Design, Permitting And Bidding For A Chemical Scrubber Odor Control System In Lieu Of A Biological Odor Control System Serving The Oxygenation Flow Distribution Box, Located At The Southern Regional Wastewater Treatment Plant, In The Lump Sum Amount Of \$37,191.00.

Sponsors:

Indexes:

Code sections:

Attachments: 1. 01 Resolution- H&S 19-04 Amend. No. 1, Oxygenation Flow Dist. Box Odor Control Replacement.pdf, 2. 02 ATP H&S 19-04 Amend. No. 1, Oxygenation Flow Dist. Box Odor Control Replacement.pdf, 3. 03 Proposal - H&S 19-04 Amend. No. 1, Oxygenation Flow Dist. Box Odor Control Replacement.pdf, 4. 04 R-2019-255 (Executed) - Oxygenation Flow Dist. Box Odor Control Replacement.pdf, 5. 05 R-2017-283 (Executed) - H&S 19-04 Amend. No. 1, OFDB Odor Control System.pdf, 6. TermSheetATPAmendmentOneHazenSawyerOxygenationFlowBoxOdorcontrolsystem.pdf

Date	Ver.	Action By	Action	Result
12/2/2020	1	Regular City Commission Meeting	adopt	Pass

A Resolution Of The City Commission Of The City Of Hollywood, Florida, Approving and Authorizing The Appropriate City Officials To Issue An Authorization To Proceed For Amendment Number One To Work Order Number H&S 19-04 With Hazen And Sawyer, P.C. To Provide Professional Engineering Services Related To The Design, Permitting And Bidding For A Chemical Scrubber Odor Control System In Lieu Of A Biological Odor Control System Serving The Oxygenation Flow Distribution Box, Located At The Southern Regional Wastewater Treatment Plant, In The Lump Sum Amount Of \$37,191.00.

Infrastructure & Facilities

Staff Recommends: Approval of the attached Resolution.

Explanation:

The Southern Regional Wastewater Treatment Plant (SRWWTP) is a 55.5 million gallon per

day wastewater treatment facility that uses multiple treatment processes to treat wastewater and produces high quality effluent. This plant utilizes biological treatment via five (5) oxygenation trains. The preliminary treated wastewater is distributed among the oxygenation trains via an Oxygenation Flow Distribution Box (OFDB). Odor is generated in the OFDB due to the turbulence in the flow. The odor control system in the OFDB was installed in 2002 and has reached the end of its useful life and needs extensive maintenance.

On September 4, 2019, pursuant to Resolution No. R-2019-255, the City Commission approved and authorized the issuance of an Authorization to Proceed to Hazen and Sawyer, P.C. to provide professional engineering services for the design, permitting, and bidding for Oxygenation Flow Distribution Box Odor Control System Replacement at the Southern Regional Wastewater Treatment Plant in the amount of \$89,548.00 with the intent to replace it with a biological odor control system in consideration of reduced maintenance needs. However, after review of the predesign technical memorandum submitted by Hazen and Sawyer, P.C., the Department of Public Utilities staff is concerned about the biological odor control system's limited odor removal capacity of sulfur compounds and determined a chemical scrubber odor control system is preferred for the project for which additional data collection is required.

On September 20, 2017, City Commission approved Resolution No. R-2017-283 authorizing an agreement with Hazen and Sawyer, P.C. for Professional Services for General Engineering Consulting Services for Water Treatment Plant and Wastewater Treatment Plant projects.

The attached Resolution seeks the City Commission's authorization to issue the attached Authorization to Proceed for Amendment No. One to Work Order No. H&S 19-04, to Hazen and Sawyer, P.C. to provide Professional Engineering Services related to additional data collection and change of design to a chemical scrubber odor control system, in the lump sum amount of \$37,191.00.

The estimated time to complete the project is eight (8) months from the date of the Authorization to Proceed.

The Department of Public Utilities staff will manage this project. No additional staff is needed as a result of this project.

Fiscal Impact:

Funding has been provided via Resolution No. R-2020-236 which continued the appropriation for previously approved capital projects from FY 2020 to FY 2021, and is available in account 442.409901.53600.531210.001224.000.000.

Recommended for inclusion on the agenda by:

Clece Aurelus, Interim Assistant Director, Department of Public Utilities

Vivek Galav, Director, Department of Public Utilities

Gus Zambrano, Assistant City Manager/Sustainable Development

Attachments

- 01 Resolution - H&S 19-04 Amend. No. 1, Oxygenation Flow Dist. Box Odor Control Replacement
- 02 ATP - H&S 19-04 Amend. No. 1, Oxygenation Flow Dist. Box Odor Control Replacement
- 03 Proposal - H&S 19-04 Amend. No. 1, Oxygenation Flow Dist. Box Odor Control Replacement
- 04 R-2019-255 (Executed) - H&S 19-04 Amend. No. 1, Oxygenation Flow Dist. Box Odor Control Replacement
- 05 R-2017-283 (Executed) - H&S 19-04 Amend. No. 1, Oxygenation Flow Dist. Box Odor Control Replacement