



Interoffice Memorandum

May 9, 2024

To: Mayor Jerry L. Demings  
-AND-  
County Commissioners

 Carrie Mathes, CFCM, NIGP-CPP, CPPO, C.P.M., Manager II,  
Procurement Division

Contact: Troy Layton, P.E. Manager II, Utilities Field Services  
407-254-9880

Subject: Change Order No. 5, Purchase Order M108856, Emergency Gravity Main  
Replacement at South Water Reclamation Facility

**ACTION REQUESTED:**

Approval of Change Order No. 5, Purchase Order M108856, Emergency Gravity Main Replacement at South Water Reclamation Facility, with Prime Construction Group, Inc., in the amount of \$2,000,000 for a revised not-to-exceed award amount of \$8,000,000.

**PROCUREMENT:**

This change order is due to unforeseen conditions that have been found during the project, which includes the emergency replacement of existing gravity mains into the influent headworks of the South Water Reclamation Facility. The Field Services Division has an inspector assigned to the project to ensure the contractor is diligent with time and to track daily progress. The need for additional funds is due to material delays and installation methods of the pipe that have impacted the schedule.

**FUNDING:**

Funding is available in account number 4420-038-4906-3810.

**APPROVALS:**

The Utilities Field Services Division concurs with this recommendation

**REMARKS:**

There are two 54-inch valves that are required to be installed and were planned to be onsite in December 2023. They are currently scheduled to be onsite in May 2024. These are critical path items that are affecting the overall time to complete. The schedule has also been impacted by a supplier that manufactures concrete structures. The supplier had a financial situation and would not release any products. The contractor had to contact other manufacturers for the products, resulting in a significant impact to the construction schedule and sequence.

HDPE piping was chosen to be used for the project to eliminate the use of metallic fittings on the pipe. The use of HDPE required a specialized contractor to be onsite to perform the welding. Because of the conflicts and the proximity of the infrastructure the contractor had to take additional time to prepare each weld of the piping. In addition, welding of HDPE requires the area be free of water and of any adverse conditions. Since the pipes are connected to the existing wastewater system, the area is susceptible to water back flowing and to the hydrogen sulfide gasses that exist. These conditions require the contractor to take additional steps when setting up the site for each weld.

The Utilities Department and Prime Construction Group, Inc. have reviewed the remaining items to be constructed and the requested amount for the change order is within the estimated cost to complete the project. The remaining construction has limited variables such as long lead time items or unforeseen conditions that would cause the costs to exceed the change order amount.

On November 15, 2022, the Board authorized the ratification of Purchase Order M108856, to Prime Construction Group, Inc. in the not to exceed amount of \$3,500,000.

Previous change orders are as follows:

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| Change Order No 1:  | Effective Date:10/13/2023 Amount: \$0.00<br>Accounting line change, no change to award amount.                   |
| Change Order No 2:  | Effective Date:03/15/2023 Amount: \$0.00<br>Unit price and quantity correction, no change to award amount.       |
| Change Order No. 3: | Effective Date:8/23/2023 Amount: \$2,500.00<br>Additional emergency services approved by the Board on 8/22/2023. |
| Change Order No. 4: | Effective Date: 10/27/2023 Amount: 0.00<br>Encumbrance only, no change to award amount.                          |