

**NOTICE OF SPECIAL MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
ENGINEERING COMMITTEE & PROJECT COMMITTEE 2 BOARD
JOINT TELECONFERENCE MEETING**

**July 13, 2021
8:30 a.m. - 10:30 a.m.**

Join Zoom Meeting by clicking on the link below:

<https://socwa.zoom.us/>

Meeting ID: 862 7486 4777

Passcode: 564749

One tap mobile

+16699006833,,86274864777#,,,,*564749# US (San Jose)

+13462487799,,86274864777#,,,,*564749# US (Houston)

Dial by your location

+1 669 900 6833 US (San Jose)

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+1 301 715 8592 US (Washington DC)

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Find your local number: <https://socwa.zoom.us/j/kbejlRVPJD>

NOTICE IS HEREBY GIVEN that a Special Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee & Project Committee 2 Board Joint Meeting was called to be held by Teleconference on **July 13, 2021** from **8:30 a.m. - 10:30 a.m.** SOCWA staff will be present and conducting the call at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California. This meeting is being conducted via Teleconference pursuant to the California Governor Executive Order N-29-20.

MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE IN THIS TELECONFERENCE MEETING AND MAY JOIN THE MEETING VIA THE TELECONFERENCE PHONE NUMBER AND ENTER THE ID CODE. THIS IS A PHONE CALL MEETING AND NOT A WEB-CAST MEETING SO PLEASE REFER TO AGENDA MATERIALS AS POSTED WITH THE AGENDA ON THE WEBSITE AT WWW.SOCWA.COM. ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS. PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 34-5452 AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST DISABILITY RELATED ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMATS UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA EXHIBITS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ENGINEERING COMMITTEE & PROJECT COMMITTEE 2 BOARD IN CONNECTION WITH A MATTER SUBJECT FOR DISCUSSION OR CONSIDERATION AT AN OPEN

MEETING OF THE ENGINEERING COMMITTEE & PROJECT COMMITTEE 2 BOARD AVAILABLE BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT (949) 234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA (“AUTHORITY OFFICE”). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE ENGINEERING COMMITTEE & PROJECT COMMITTEE 2 BOARD LESS THAN TWENTY-FOUR (24) HOURS PRIOR TO THE MEETING, THEY WILL BE SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.

AGENDA

1. Call Meeting to Order

2. Public Comments

THOSE WISHING TO ADDRESS THE ENGINEERING COMMITTEE OR PROJECT COMMITTEE 2 BOARD ON ANY ITEM LISTED ON THE AGENDA SHOULD SUBMIT A “REQUEST TO BE HEARD” FORM TO THE CLERK OF THE BOARD BEFORE THE PRESIDING OFFICER ANNOUNCES THAT AGENDA ITEM. YOUR NAME WILL BE CALLED TO SPEAK AT THAT TIME.

**3. J.B. Latham Treatment Plant Package B Solids Contingency
[Project Committee 2]**

Recommended Action: The Engineering Committee recommends to the PC 2 Board of Directors to approve the addition of \$985,000 of contingency to the J.B. Latham Package B Solids Project (3287-000) for a total Solids contingency of \$1,657,400 and to increase the project budget by \$985,000 to \$4,085,000 for the 21/22 FY.

4. Contract Amendment for the J.B. Latham Treatment Plant Package B Construction Management Services [Project Committee 2]

Recommended Action: SOCWA Staff recommends to the PC 2 Board to approve the contract amendment to Butier Engineering in the amount of \$612,715 for a total revised contract amount of \$1,508,442 for the construction management services for the JB Latham Package B Project.

Adjournment

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA Engineering Committee & PC 2 Board at least 24 hours prior to the scheduled time of the Special Meeting referred to above.

I hereby certify that the foregoing Notice was posted at least 24 hours prior to the time of the above-referenced Engineering Committee / PC 2 Board meeting at the usual agenda posting location of the South Orange County Wastewater Authority and at www.socwa.com.

Dated this 8th day of July 2021.



Betty Burnett, General Manager/Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Agenda Item

3

**Engineering Committee/PC 2
Board Joint Meeting**

Meeting Date: July 13, 2021

TO: Engineering Committee/PC 2 Board Joint Meeting

FROM: Jason Manning, Director of Engineering

SUBJECT: J.B. Latham Treatment Plant Package B Solids Contingency Requested Increase \$985,000 for Project Committee 2

Overview

Over the past few engineering committee meetings, we have updated the committee on the progress of the J.B. Latham Package B project as well as some of the challenges we have encountered on the project. As reported in the June 2021 Capital Improvement Construction Report and in Table 1 below, the Solids portion of the Package B project is nearly out of contingency. In addition, we have \$1,055,042 of Potential Change Orders in process that will exceed the remaining contingency. In order to prevent delays, we are requesting the approval of additional contingency for the Solids portion of the project.

Table 1 – Current Package B Contingency with Addition

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$616,800	\$244,540	\$372,260	39.6%
Common	3231-000	\$ 96,800	\$ 18,210	\$ 78,590	18.8%
Solids	3287-000	\$672,400	\$526,501	\$144,742	78.3%
	Current Total	\$1,386,000	\$789,251	\$595,592	56.9%
Requested Add Solids Contingency	3287-000	\$985,000			
Proposed Solids Change Orders	3287-000		\$1,055,043*	\$74,699	

We are requesting the solids contingency be increased by \$985,000 for a total budget of \$1,657,400 for the project solids contingency. Approval of the additional contingency will allow for continuation of work without causing delay to construction.

*\$1,055,043 is inclusive of additional Butier costs (\$269,595) related to solids as requested at Agenda Item 4.

Table 2 – Potential Additional Change Orders for Olsson Construction (Package B Solids)

PCO 002	3287-000	Digester 4 Rail Coating. The coating is not needed and resulting in a credit but some rehabilitation work will be needed.	Potential Change	\$(1,000)
PCO 004	3287-000	Digester 4 Control Narrative needed	Potential Change	\$5,000
PCO 005	3287-000	TWAS Slab Modifications	Potential Change	\$50,000
PCO 008	3287-000	Conduit Routing Conflict from MCC-F1 and Relocation of MCC-F1	Potential Change	\$350,000
PCO 009	3287-000	PLC East Headworks Integration	Potential Change	\$10,000
PCO 012	3287-000	PCL-CG Integration	Potential Change	\$5,000
PCO 014	3287-000	Digester 4 Compressor Supply Line	Potential Change	\$18,146
PCO 018	3287-000	Duct bank L Interferences	Potential Change	\$10,000
PCO 026	3287-000	Gas Hatch Lids Mating Connection	Potential Change	\$7,771
PCO 028	3287-000	4" Gas Line Routing Modifications	Potential Change	\$18,147
PCO 032	3287-000	Gas Mixer Conduit Conflict	Potential Change	\$12,384
PCO 66	3287-000	DAFT 1 and 2 Repairs	Potential Change	\$300,000
CM #1	3287-000	Butier CO No. 1/Solids Only		\$269,595
Total				\$1,055,043

The two major potential change orders are the MCC F1 Relocation (PCO 008 - \$350,000) and DAFT 1 and 2 Repairs (PCO 66 - \$300,000) and these are described in the accompanying PowerPoint to this Staff Report.

Fiscal Impact

As stated above, the current estimate for potential change orders is \$1,055,043. Significant contracted work is yet to begin and there may be additional change orders not yet identified and the cost of above identified potential change orders may vary as we progress. As a matter of procedure, all change orders against contingency are presented to the Engineering Committee and the Board for approval. The additional contingency will allow us to continue to direct work to be completed without causing delay to construction.

With the addition of the requested increase to the solids contingency, the total of the Package B Solids (3287-000) contingency will be \$1,657,400.

Agency Allocation for the Requested Contingency Increase

Member Agency	3287-000 Facility Improvements B - DAFT and Ancillary Solids
CSJC	\$295,500.00
MNWD	\$212,972.97
SCWD	\$197,000.00
SMWD	\$279,527.03
Total	\$985,000.00

Table 3

The recently approved Fiscal Year 2021/22 Capital Improvement Program Budget currently has \$3,100,000 for the Package B Solids Project (3287-000) and the increase in contingency would increase the FY 21/22 project budget by \$985,000 to \$4,085,000. The total Project contingency will increase to \$2,371,000, which will be 13.7% of the original construction contract.

Recommended Action: The Engineering Committee recommends to the PC 2 Board of Directors to approve the addition of \$985,000 of contingency to the J.B. Latham Package B Solids Project (3287-000) for a total Solids contingency of \$1,657,400 and to increase the project budget by \$985,000 to \$4,085,000 for the 21/22 FY.



JB Latham Package B Project

Construction Update

July 13, 2021

Construction Schedule Update

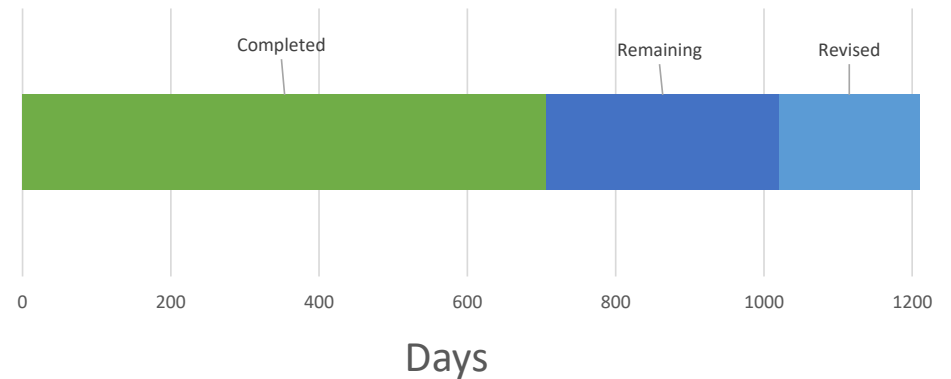
Schedule Completion YTD **58%**

Started July 2019

Baseline Schedule Completion August 2021

Change Orders Added Time February 2022

Estimated Project Completion May 2022



Contingency Utilized to Date

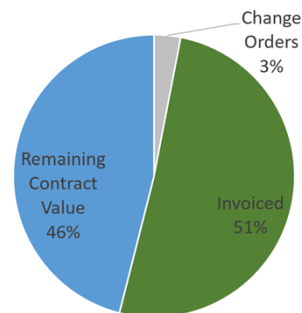
Digesters	MCCs, electrical and PLC changes; concrete and leak repair for Digester 4	\$443,604.51
Plant 1 Liquids	Remove dangerous overhead walkways in basins	\$62,114.00
Plant 2 Liquids	Fix telescoping valves; repair concrete issues	\$55,916.45
Eng'r Support	Additional Design Support	\$227,617.00
Total		\$789,251.00

Schedule and Budget Update

Contractor Budget Completion	53%
Original Contract Value	\$17,325,000
Change Orders (3.2%)	\$562,791
Revised Contract Value ⁽¹⁾	\$17,887,791
Invoiced	\$9,393,334
Retention	\$469,667

Total Project Budget Completion	57%
Original Contracts	\$19,161,255
Contingency	\$1,386,000
Invoiced	\$9,966,530
Contingency Used for App'd COs	\$789,251
Contracts Remaining	\$8,397,334
Contingency Remaining	\$595,592

(1) Potential Additional Deductive Change Order
\$1,459,875 (see slide 12) – Not yet included



Schedule as of February update
Budget as of Invoice 19 and Change Order 16

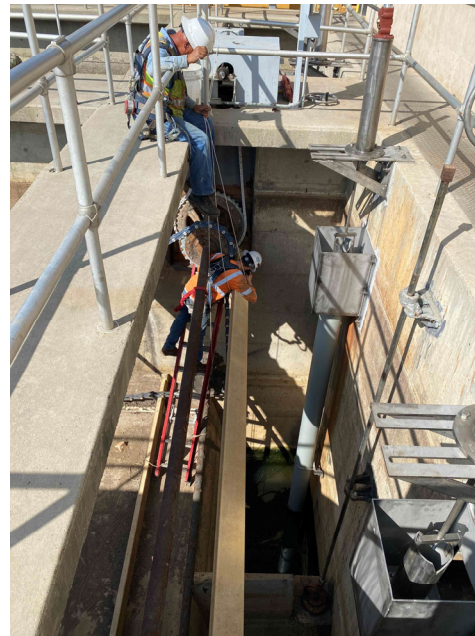
Construction Status Update

	Scope	Status	Est. % Complete
	Plant 1 and 2 Primary and Secondary Basins Rehabilitations	Ongoing	51%
	DAFT, TWAS, Digesters 1 through 3 Improvements	Ongoing	50%
	Laboratory Demolition	Ongoing	10%
	Digester 4 Improvements	Ongoing	100%
	Liquids Facility Safety Improvements	Ongoing	5%
	Solids Facility Safety Improvements	Ongoing	40%
	Boiler System	Ongoing	2%
	Fiber Loop	Ongoing	71%
	MCC Upgrades	Ongoing	90%
	Effluent Pump Station Improvements (Slide 12) *	To Be Removed	15%
	Energy Building Structural Improvements (Slide 12)*	To Be Removed	15%

*Deductive Change Order is being negotiated

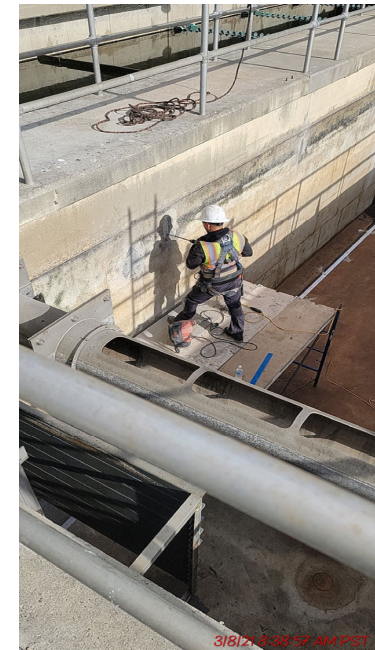
Plant 2 Primary and Secondary Basins

- Gates and baffles
- Repair influent channel walls
- Telescoping valves
- Work has been completed



Plant 1 Secondary Sedimentation Basins

- Replaced sludge collection equipment and launders
- Replaced inlet, drain, and telescoping valves
- Repaired concrete cracks
- Work has been completed



DAFT and TWAS Area

- DAFTs 1 and 2 Rehabilitation
- TWAS Pump Station
- DAFT 1 is near completion



Digesters 3 and 4

- Digester 4 rehabilitation
- Digester Heating system
- Control building roof and stairs
- Digester 4 has been in manual operation
- Digester 3 heat loop is near completion



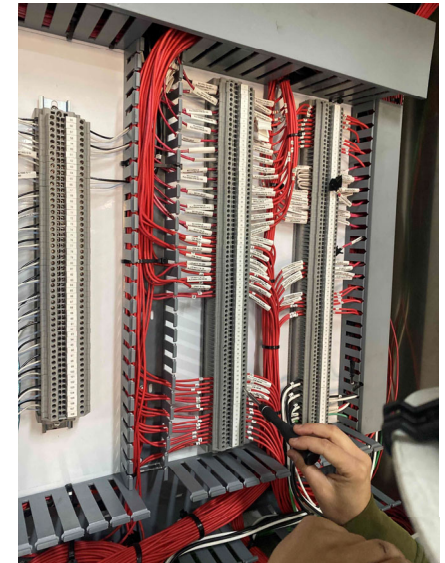
Digesters 1 and 2

- Control building roof
- Mixing and heating system
- Digester 3 cleaning has been completed
- Removal of the existing boiler
- Installation of a new boiler system in the Energy Recovery Building
- Ongoing



Lab Demolition, Fiber Loop and Safety Improvements

- Lab Demolition
 - At the end of the project
- Fiber Loop
 - completed
- Safety Improvements - ongoing
 - Handrails and toe boards
 - Fall protections
 - Hatch-skylight



Major Project Changes

- Project Delays
 - Olsson delays
 - Digester 3 and 4 Control Building Roof
 - Unforeseen ragging in Digester 3
 - Underground utilities impacting various duct banks
 - Supply Chain delay
- Contract extension for Butier and Carollo
- Removed scope for modification to the Effluent Pump Station
- Removed scope for the structural rehabilitation of the Energy Recovery Building

Removed Scoped

- Effluent Pump Station

- Replacement of valves and piping
- Will be grouped with the MCC/VFD work in the area
- Project will start in the next 18 months
- Anticipated contract reduction of \$595,000



- Structural Rehabilitation in the Energy Recovery Building

- Addition of crane/hoist
- Replacement of roof and skylights
- Will be done with the Centrate system re-piping in the building
- Project will start in the next 18 months
- Anticipated contract reduction of \$816,000



Project Outlook

- Contractor to continue with Plant 1 rehabilitation, Digesters and DAFT/TWAS area
- Received revised project schedule with removed scope
- Negotiating PCO credits for removed scope
- Butier Contract Amendment CM services
- Digesters 1 and 2 cleaning will drive the critical path

Agenda Item

4

**Engineering Committee /PC 2
Board Joint Meeting**

Meeting Date: July 13, 2021

TO: Engineering Committee / PC 2 Board of Directors
FROM: Jason Manning, Director of Engineering
SUBJECT: Contract Amendment for the J.B. Latham Treatment Plant Package B
Construction Management Services [Project Committee 2]

Overview

The scope for the construction management services includes inspection, document management, progress payment review, change order review, operations, and testing coordination. The original contractual end date was September 15, 2021. Currently approved change orders have extended the project to February 2022 and existing schedules and potential additional change orders are expected to take the project to the end of May 2022. Project detail is provided in the PowerPoint Presentation attached to Agenda Item 3 and that information will be covered by Staff at the meeting.

Due to the extension of the project schedule, Butier Engineers, the third-party Construction Manager for this project, has submitted an amended construction management services fee of \$612,715 to provide services through the end of May 2022.

Fiscal Impact

Table 1 shows the project allocation, and Table 2 shows the allocation by member agency for the Construction Management Services. The project is within budget and within the approved contingency.

Table 1 – Project Allocation

Project	Original Contract	Change Order No. 1	Total
PC 2, Task 3220-000, Facility Improvements Construction Liquids Area	\$398,618	\$294,125	\$692,743
PC 2, 3287-000 Facility Improvements Construction Solids Area	\$434,550	\$269,595	\$704,145
PC 2, 3231-000 Facility Improvements Construction Common Area	\$62,559	\$48,995	\$111,554
Total	\$895,727	\$612,715	\$1,508,442

Table 2 – Change Order No. 1 Allocation by Member Agency

Member Agency	PC2, Task 3222-000	PC2, Task 3287-000	PC2, Task 3231-000	Total
City of San Juan Capistrano	\$90,500	\$82,952	\$15,075	\$188,528
Moulton Niguel Water District	\$67,875	\$62,214	\$11,307	\$141,396
South Coast Water District	\$84,844	\$77,768	\$14,133	\$176,745
Santa Margarita Water District	\$50,906	\$46,661	\$8,480	\$106,047
Total	\$294,125	\$269,595	\$48,995	\$612,715

Recommended Action: SOCWA Staff recommends to the PC 2 Board to approve the contract amendment to Butier Engineering in the amount of \$612,715 for a total revised contract amount of \$1,508,442 for the construction management services for the JB Latham Package B Project.