



AGENDA REPORT

SAN CLEMENTE CITY COUNCIL MEETING
Meeting Date: August 18, 2020

Agenda Item CoM
Approvals: _____
City Manager ES
Dept. Head DR
Attorney _____
Finance JW

Department: Utilities
Prepared By: David Rebensdorf, Utilities Director DR

Subject: CITY COUNCIL ACCEPTANCE AND NOTICE OF COMPLETION FOR THE WATER RECLAMATION PLANT SOLIDS HANDLING STORAGE TANK, PROGRESSIVE CAVITY PUMP REPLACEMENTS AND DIGESTER NO. 1 STRUCTURAL AND MECHANICAL IMPROVEMENTS, PROJECT NOS. 14205, 23202 AND 15204.

Fiscal Impact: Yes. The total project cost was \$2,446,050 which is within the approved budget of \$2,648,420 from the Sewer Fund Depreciation Reserve.

Summary: Acceptance and Notice of Completion for the Water Reclamation Plant Solids Handling Storage Tank, Progressive Cavity Pump Replacements and Digester No. 1 Structural and Mechanical Improvements. Refer to Attachment 1 for Location Map and Attachment 2 for Notice of Completion.

Background: On April 7, 2015, the City Council awarded a construction contract to Newest Construction Company, Inc. for the installation of a new Solids Handling Storage Tank, replacement of the Progressive Cavity Pumps and improvements to Digester No. 1. The new Solids Handling Storage Tank more than doubles the City's ability to store digested sludge prior to dewatering from one and a half to four days. The storage redundancy is beneficial to system operations for cleaning and rehabilitation of the tanks and provides operational flexibility in the event of an emergency in the downstream sludge drying system or challenge in disposal due to hauling, a wet weather event preventing landfill application or issues with composting. In addition, the project replaced eight Progressive Cavity Pumps that convey the solid waste stream throughout the treatment process and improved Digester No. 1 allowing for its return to service while Digester No. 2 will be taken offline for cleaning and evaluation.

The project took longer than anticipated due to challenges associated with the design and operation of the Sludge Mixing Pump in the new Solids Handling Storage Tank. Fortunately, the issues associated with the pump were resolved and the project is complete and ready for acceptance.

A summary of the total expenditures is provided below:

Administration and Engineering Design	\$ 274,992
Construction Management & Inspection	174,873
Construction	<u>1,996,185</u>
Total Project Cost	\$ 2,446,050

Recommended

Action: STAFF RECOMMENDS THAT the City Council:

1. Accept the Water Reclamation Plant Solids Handling Storage Tank, Progressive Cavity Pump Replacements, and Digester No. 1 Structural and Mechanical Improvements, Project Nos. 14205, 23202 and 15204;
2. Authorize the Utilities Director to execute and the City Clerk to record the Notice of Completion for the Water Reclamation Plant Solids Handling Storage Tank, Progressive Cavity Pump Replacements, and Digester No. 1 Structural and Mechanical Improvements, Project Nos. 14205, 23202 and 15204;
3. Authorize the City Clerk to release the Payment Bond 35 days from the recordation of the Notice of Completion upon verification with the Utilities Department that no liens have been levied against Newest Construction Company, Inc.; and
4. Authorize the City Clerk to release the Performance Bond upon receipt of a Warranty Bond in the amount of 25% of the construction cost.

Attachments:

1. Location Map
2. Notice of Completion
3. Agenda Report Dated April 7, 2015

Notification: None.

Recording Requested By:
City of San Clemente

When Recorded, Mail To:
Utilities Department
City of San Clemente
380 Avenida Pico, Building N
San Clemente, CA 92672

Recorded for the benefit of the City of San Clemente and exempt from recording fees pursuant to Government Code Section 27383.

Space above this line is for Recorder's Use Only

NOTICE OF COMPLETION

Notice is hereby given by the City of San Clemente, a Municipal Corporation, that a public work of improvement has been completed as follows:

1. *Project title or description of work:* Water Reclamation Plant Solids Handling Storage Tank, Progressive Cavity Pump Replacements, and Digester No. 1 Structural and Mechanical Improvements, Project Nos. 14205, 23202 and 15204.
2. *Date of completion:* August 18, 2020.
3. *Street address or legal description of the project site:* 380 Avenida Pico
4. *Name of owner:* City of San Clemente.
5. *Interest or estate of owner:* Public Facility; Owned in Fee.
6. *Address of owner:* 910 Calle Negocio, Suite 100, San Clemente, CA 92673
7. *Name and address of contractor:* Newest Construction Company, Inc., 9235 Trade Place Suite A, San Diego, CA 92126-6313.

I am the Utilities Director for the City of San Clemente, a Municipal Corporation, the owner of the indicated interest or estate in the property described above. I make this verification on behalf of the City of San Clemente. I have read this Notice of Completion and know its contents. I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed on _____ in San Clemente, California.

David Rebensdorf, Utilities Director
City of San Clemente



AGENDA REPORT

SAN CLEMENTE CITY COUNCIL MEETING
Meeting Date: April 7, 2015

Approvals:

City Manager: JM

Dept. Head: [Signature]

Attorney: [Signature]

Finance: [Signature]

Department: Public Works / Engineering Division
Prepared By: Ken Knatz, Principal Civil Engineer KK

Subject: **CONSTRUCTION CONTRACT AWARD TO NEWEST CONSTRUCTION COMPANY, INC. FOR THE WATER RECLAMATION PLANT SOLIDS HANDLING STORAGE TANK, PROGRESSIVE CAVITY PUMP REPLACEMENTS, AND DIGESTER NO. 1 STRUCTURAL AND MECHANICAL IMPROVEMENTS, PROJECT NOS. 14205, 23202 & 15204.**

Fiscal Impact: Yes. A supplemental appropriation in the amount of \$948,420 is needed from the Sewer Fund Depreciation Reserve. The Sewer Fund Depreciation Reserve ending balance for FY 2015 totals \$5,633,732. There are sufficient funds for this expenditure. This appropriation was anticipated and in line with estimates. The funding need is due to accelerating the digester improvements which were originally scheduled for FY 2016 as shown in the attached Capital Project 6-year outlay from FY 2015.

Summary: Staff recommends that the City Council approve a construction contract with Newest Construction in the amount of \$1,899,420 for construction of the new sludge storage tank, replacement of the progressive cavity pumps and digester rehabilitation.

Background: The solids waste stream (sludge) at the Water Reclamation Plant is conveyed through treatment process by eight progressive cavity pumps. Sludge is stored in an existing concrete tank prior to dewatering to reduce the weight of the material so it can be transported and disposed at a lower cost. The existing sludge storage tank provides approximately 1.5 days of storage. During wet weather periods, the digested sludge cannot be taken to the local landfill and hauling is more problematic. Part of this project increases storage capacity to approximately 4 days, which will improve operational conditions during wet periods and reduce the daily operations of solids handling to every other day.

As part of the new sludge holding tank construction, it was determined that Digester No.1 would be needed as part of the construction sequencing to bring the new tank online. Since Digester No. 1 was scheduled for rehabilitation in 2016, the schedule was accelerated to coordinate the improvements to the digester with the construction of the sludge holding tank. As part of this process, the City Council approved an amendment to the contract with the sludge tank designer, Wilson Engineering, to design the required digester improvements on July 1, 2014.

Discussion: The project was advertised for public bidding and sealed bids were opened at the City Clerk's Office on February 19, 2015, at 2:00 p.m. The results from the bid opening are presented in the attached Bidder's Listing. The low bid of \$1,899,420 was received from Newest Construction Company, Inc. who has successfully completed other projects at the WRP for the City. Based on the low bid, project costs are estimated as follows:

Engineering Design	\$ 274,000
Construction Management & Inspection	190,000
Construction	1,899,420
Construction Contingency (15%)	<u>285,000</u>
Total Estimated Project Cost	\$2,648,420

The project is currently budgeted for a total of \$1,700,000 from the Sewer Fund Depreciation Reserve. A supplemental appropriation in the amount of \$948,420 is needed to construct the project.

The funding required to construct the project coincides with budget estimates. A total of \$1,000,000 for construction was projected for FY 2016 as part of FY 2015 CIP 6-year outlay. As a result of accelerating the digester improvements to facilitate construction of the new sludge holding tank, funding that was to be recommended in the FY 2016 CIP is being recommended as a supplemental appropriation 3 months ahead of the new budget year. Combining of the projects expedites completion of needed improvements to improve operations efficiency and saves costs in administering separate construction contracts.

Recommended Action:

STAFF RECOMMENDS THAT the City Council

1. Approve Plans and Specifications for the Solids Handling Sludge Holding Tank, Progressive Cavity Pump Replacements and Digester No 1 Structural and Mechanical Improvements, Project Nos. 14205, 23202 and 15204;
2. Approve a supplemental appropriation in the amount of \$948,010 from the Sewer Fund Depreciation Reserve to Account No. 054-476-45300-000-15204; and
3. Approve and authorize the Mayor to sign a construction agreement with Newest Construction Company, Inc. in the amount of \$1,899,420 for the Solids Handling Sludge Holding Tank, Progressive Cavity Pump Replacements and Digester No 1 Structural and Mechanical Improvements, Project Nos. 14205, 23202 and 15204.

- Attachments:**
1. Location Map
 2. Bidder's Listing
 3. FY 2015 CIP Outlay

Notification: None.

BIDDER'S LISTING

BID OPEN TIME: 2:00pm
 BID OPEN DATE: February 19, 2015
 PRESENT: [Signature]

Subject: RFP/Bid Number – 14205 & 23202
 WRP Sludge Storage Tank & Progressive Cavity Pump Replacement

No. of Bids:

Company Information	Bid Bond, Etc.	Other Bid Information <i>Add #1</i>	Amount
NEWest Construction Company INC	✓	✓	\$ 1,899,420 ⁰⁰
Spless Construction Co., Inc.	✓	✓	2,757,460 ⁰⁰
MMC, Inc.	✓	✓	2,100,500 ⁰⁰
SCW Contracting	✓	✓	2,209,778 ⁰⁰

New Capital Improvement Projects
Summary by Category

Description	6 Yr. Total	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Drainage							
Calle Los Molinos/Calle Redondo Storm Drain Rehabilitation	200,000	200,000	0	0	0	0	0
Del Cerro	175,000	0	0	0	0	175,000	0
MO2 Reach "E" Natural Channel Slope Protection	500,000	0	0	500,000	0	0	0
MO203 San Clemente High School Storm Drain Improvements	800,000	0	800,000	0	0	0	0
MO208 Amanecer	350,000	0	0	0	350,000	0	0
Plaza La Playa - R&R ex. 24" RCP 160'	200,000	0	200,000	0	0	0	0
MO1/Avenida Vaquero Culvert Structural Rehabilitation	100,000	100,000	0	0	0	0	0
Riviera Culvert Undercrossing	1,500,000	0	0	0	0	200,000	1,300,000
Trafalgar Canyon Outlet Water Quality Improvement	100,000	0	100,000	0	0	0	0
Via Montega/Cascadita Storm Drain MO1	350,000	0	350,000	0	0	0	0
West Escalones Storm Drain System	610,000	0	0	60,000	550,000	0	0
	4,885,000	300,000	1,450,000	560,000	900,000	375,000	1,300,000
Beaches, Parks & Medians							
Bonito Canyon Park Rehabilitation	1,000,000	0	0	0	200,000	800,000	0
Dog Park Lighting	150,000	0	0	0	0	150,000	0
Lausuen Beach Access Rehabilitation	700,000	0	0	200,000	500,000	0	0
Playground Equipment Replacements	328,000	128,000	132,000	186,000	140,000	144,000	148,000
Recycled Water Retrofit of City Parks & Medians	150,000	150,000	0	0	0	0	0
San Luis Rey Park Upgrades: ADA Access & Basketball Courts	50,000	0	0	0	50,000	0	0
Steed Park Lighting Improvements	1,000,000	0	0	0	0	0	1,000,000
	3,878,000	278,000	132,000	336,000	890,000	1,094,000	1,148,000
Sewer							
Aeration Basin #1 Rehabilitation - Lining	650,000	0	150,000	500,000	0	0	0
Aeration Basin #2 Rehabilitation - Lining	650,000	0	0	150,000	500,000	0	0
Aeration Basin #3 Rehabilitation - Lining	500,000	0	0	0	500,000	0	0
Blower No. 3 Replacement	250,000	0	0	0	0	0	250,000
Cypress Shores PS Force Main Slip Line	600,000	0	200,000	400,000	0	0	0
Digester #1 Structural & Mechanical Rehabilitation	1,200,000	200,000	1,000,000	0	0	0	0
Digester #2 Structural & Mechanical Rehabilitation	1,200,000	0	200,000	1,000,000	0	0	0
Frontier Pump Station Force Main Slip Line	600,000	200,000	400,000	0	0	0	0
Primary Clarifier 1, 2 & 3 Rehabilitation - Lining	500,000	0	0	0	0	500,000	0
Primary Clarifier 4 & 5 Rehabilitation - Lining	550,000	0	0	0	550,000	0	0
Recycled Water Storage Bay Rehabilitation	600,000	0	0	100,000	500,000	0	0
Secondary Clarifier 1, 2 & 3 Rehabilitation - Lining	800,000	0	0	0	200,000	600,000	0
Secondary Clarifier 4 & 5 Rehabilitation - Lining	600,000	0	0	0	0	0	600,000
Sewer Facilities Generator Replacements - AQMD	400,000	0	0	100,000	100,000	100,000	100,000
Sludge Dehydration System	2,000,000	0	0	0	0	2,000,000	0
WRP Co-Generation	3,000,000	0	0	0	3,000,000	0	0
	14,100,000	400,000	1,950,000	2,250,000	5,350,000	3,200,000	950,000
Streets							
Avenida Calafia	700,000	0	0	0	0	0	700,000
Avenida La Pata - Onda to Extremo	757,000	757,000	0	0	0	0	0
Avenida La Pata - Vista Hermosa to Saluda	550,000	0	0	0	0	550,000	0
Avenida Navarro - Pico to Los Molinos	195,000	0	195,000	0	0	0	0
Avenida Pico - Hermosa to Camino La Padriza	881,000	0	0	0	0	881,000	0
Avenida Pico - Los Molinos to Pico Plaza	500,000	0	500,000	0	0	0	0
Avenida Puente Rehabilitation - Paltzada to Del Poniente	460,000	0	0	460,000	0	0	0
Avenida Victoria	900,000	0	0	0	0	900,000	0
Calle De Los Molinos - Pico to Navarro	277,000	0	277,000	0	0	0	0
Calle Frontera - Pico to Vista Hermosa	1,200,000	1,200,000	0	0	0	0	0
Camino De Los Mares Traffic Signal Synchronization	32,500	0	16,300	16,300	0	0	0
Camino Del Rio & Camino De Los Mares Intersection Control	400,000	0	100,000	300,000	0	0	0
Camino Del Rio & Sarmientoso Intersection Control	400,000	0	100,000	300,000	0	0	0
Cascadita - Vaquero to San Andreas	358,000	0	358,000	0	0	0	0
Estrella - Los Molinos to E. El Portal	517,000	0	0	517,000	0	0	0
Intersection Improvements At Amanecer & Ave Pico	791,300	0	0	0	0	0	791,300
Intersection Improvements At Ave La Pata & Ave Pico	750,000	0	0	100,000	0	650,000	0
Intersection Improvements At PCH & Camino Capistrano	500,000	0	0	100,000	400,000	0	0
Los Mares - Vaquero to I5	1,253,840	0	0	0	1,253,840	0	0
Montego - Cascadita to Alegre	95,000	0	95,000	0	0	0	0
Presidio - Cortez to Lower Miguel	800,000	0	0	0	800,000	0	0
S. La Esperanza - Presidio to Patricia	230,000	0	230,000	0	0	0	0
Sidewalk Improvements/CP&G	900,000	150,000	150,000	150,000	150,000	150,000	150,000
South El Camino Real - Mendocino to S. City Limit	1,800,000	0	0	0	0	0	1,800,000