



SUISUN-SOLANO WATER AUTHORITY

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BOARD OF DIRECTORS

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SUISUN-SOLANO WATER AUTHORITY

BOARD MEETING

**Monday, July 9, 2018
6:00 P.M.**

**Suisun City Hall Council Chambers
701 Civic Center Boulevard
Suisun City, CA**

AGENDA

TELECONFERENCE NOTICE:

*Pursuant to Government Code
Section 54953, Subdivision (b),
the following Suisun-Solano Water
Authority meeting will include
teleconference participation
by: Boardmember Jane Day
from: 301 Morgan Street, Suisun
City, CA*

1. **Preliminary**
 - 1.1. Call Meeting to Order
 - 1.2. Roll Call
 - 1.3. Approval of Agenda
 - 1.4. Pledge of Allegiance
 - 1.5. Conflict of Interest Notification (*Any Agenda items that might be a conflict of interest to any Board members should be identified at this time by the Board member involved.*)
2. **Presentations**
None
3. **Public Comment (Non-Agenda Items)**
Limited to 5 minutes per person on any matter within SSWA's jurisdiction that is not on the Agenda.
4. **Informational Items**
 - 4.1 Capital Improvement Project Status Report
5. **Consent Calendar**
 - 5.1 Approval of the Minutes of the June 11, 2018, Regular Board Meeting

6. **Scheduled Items**

6.1 Adopt Resolution No. 18-15 awarding a Contract for the Construction of the Suisun Valley Pipeline Replacement Project

7. **Board Comments**

8. **Staff Comments**

9. **Adjourn**

**SUISUN-SOLANO WATER AUTHORITY
BOARD MEETING**

MEETING DATE: July 9, 2018

AGENDA ITEM 4.1

Capital Improvement Project Status Report

EXECUTIVE SUMMARY:

The current status of the capital projects approved by the Board for FY 2018-19 are listed below. Other projects and issues affecting the Capital Improvement Program are also listed.

STAFF REPORT:

Updates to the project list and status of projects are shown in **bold text**.

A. Replacement Projects

These projects are funded from the Replacement Reserve Fund.

1. Raw Water Screen Drainage System

Scope: Install a collection and recycling system for water used to carry away aquatic weeds screened from water passing through the CHWTP raw water intake.

Project Budget: \$28,000 from the Replacement Reserve

Status: **experimentation with temporary alternative collection methods is in progress.**

2. Sectionalizing Valve Replacement Project

Scope: replace broken and frozen main line valves on an annual basis.

Project Budget: \$83,000 from the Replacement Reserve

Status: work will be scheduled considering crew availability and the need to replace the valves

3. Suisun Valley Pipeline Replacement

Scope: relocate about 1,900 feet of the Suisun Valley 5" Pipeline in conflict with a Solano County road improvement project.

Project Budget: \$316,400 from the Replacement Reserve;

Status:

- **The Invitation to Bid has been issued**
- **The bid opening is scheduled for June 28.**
- Award of the construction contract is planned for the July 9 Board Meeting.

B. 2016 Bond Fund Projects

These projects are funded from the 2016 Bond Fund.

Cement Hill Water Treatment Plant Projects

4. New Cement Hill Pipeline:

Scope: design and construct a new pipeline parallel to the existing Cement Hill Pipeline for water quality and redundancy purposes.

Project Budget: \$1,912,000 from the 2016 Bond Fund

Notes: construction of this project is planned after completion of the Tank 2b construction project.

Status:

- **Several meetings with USBR staff have resulted in a favorable response to the preferred method of crossing the Putah South Canal. A letter to this effect is expected soon.**
- Design and environmental studies are in progress
- A proposal to design the Tank 2a connections (project 6 below) is being reviewed.
- Construction is scheduled for 2019.

5. Cement Hill Tank 2a Rehabilitation – Consulting

Scope: program management costs for the project to install new tank manifolds, valves, tank appurtenances; rehabilitate the tank shell as needed, recoat the tank interior and exterior, install TTHM Removal Systems

Project Budget: total cost: \$1.3 million; preliminary planning, and design RFP and contracting: \$20,961 from the 2016 Bond Fund

Notes: this project is planned to immediately succeed the New Cement Hill Pipeline is constructed and in service with Tank 2b.

Estimated Schedule: December, 2017, to April, 2020

6. Cement Hill Tank 2a Connections

Scope: **Install new tank manifolds and valves between new site piping and the existing tank**

Project Budget: **total cost: \$830,600; \$64,100 for design in FY 2018-19 from the 2016 Bond Fund**

Notes: **this project is planned to be done ASAP after Tank 2b is in service (the site piping will be complete) and may be included in the New Cement Hill Pipeline project.**

7. Clarifiers 2 & 3 and Tank 3 Reconstruction:

Scope: Design Plant 2 raw water treatment equipment reconstruction as follows:

Clarifier 2: install flex connections into inlet and outlet piping; recoat the clarifier vessel inside and outside; replace the clarifier equipment

Clarifier 3: install flex connections into inlet and outlet piping, recoat the clarifier vessel inside and outside; replace the clarifier equipment

Tank 3: repair roof structure, install flex connections into inlet and outlet piping, and recoat the tank inside and outside.

Project Budget: **\$150,000 for design** from the 2016 Bond Fund;

Notes: At Plant 2, rehabilitation of Tank 3 was deferred from FY 2014-15 and was added to this project. Construction is planned in FY 2019-20.

Status: Design is in progress. A field meeting of staff and KSN designers was held on June 19. Tank 3 was inspected by a diver on June 27 with their report due in July.

8. Cement Hill Plant Metering Replacement:

Scope: Upgrade existing water flow meters and add new meters where needed.

Budget: \$25,000 from the 2016 Bond Fund

Notes: this is a FY 2017-18 project that is nearly complete. Expenses are within the approved budget.

Status:

- Draft specifications and drawings for the meter replacements and additions have been submitted for review by plant operations staff
- Construction of this project by SSWA crews is being deferred to FY 2019-20 to optimize use of available funds.

9. Chemical System Replacement

Scope: this has been expanded to address several projects recommended in the 2012 Condition Assessment. The scope includes:

- Furnish and install new pumps, equipment and piping in the chemical room;
- Replace exterior piping from control buildings to plant equipment (trench piping);
- Evaluate changing from gaseous chlorine to liquid hypochlorite and design, furnish and install a liquid system if selected.

Project Budget: \$145,000 for design from the 2016 Bond Fund.

Notes: Construction is planned in FY 2020-21.

Status: A mandatory pre-proposal site visit was held on June 21 and was attended by 5 firms. Proposals are due on July 12, and the contract will be presented for Board approval at the September 10 meeting.

Distribution Facility Projects

10. Benton Court Facility Upgrade

Scope: Add a motor operated valve (MOV) within the Benton Court Pressure Reducing Station to allow remote control of alternating the filling of the Gregory Hill Tank and service into the Old Town area.

Project Budget: \$123,000 in FY 2017-189 from the 2016 Bond Fund

Notes: this is a FY 2017-18 project that is nearly complete. Expenses are within the approved budget.

Status: Control programming is the last remaining work item and is in progress.

Planning Projects

11. CIP Program Management Services

Scope: provide program management services including overall scheduling, contracting and construction management.

Project Budget: \$165,000 from the 2016 Bond Fund

Notes: Costs are spread to CIP projects that are being managed.

Status: project planning is ongoing. Regular meetings are being held.

Water Loss Control Projects

12. DMA Implementation Project – District Metered Area Creation & Implementation

Scope: study the distribution system, prepare a plan for creating three permanent DMAs, implement the DMAs by closing valves and adding infrastructure if needed, verify the hydraulic integrity of each area, and collect pressure data to inform the strategy for improved pressure management.

Project Budget: \$250,000 from the 2016 Bond Fund

Status: **Project is on hold until FY 2019-20. A planning telecon is scheduled for June 26.**

13. Meter Replacement and AMI Implementation

Scope: replace all existing customer meters in the SSWA system with new Badger meters. Install an advanced meter infrastructure (AMI) system for meter reading compatible with the new meters and City Finance billing operations, customer service and data storage.

Project Budget: \$4,300,000 from the 2016 Bond Fund

Notes: the SSWA system serves about 8,400 residential, commercial and landscape services. The existing meters are Sensus TouchRead meters, many of which are outside acceptable accuracy limits.

Status:

- **10 trial meters are installed, the website is setup, and Badger is to send a link to the website so staff can use it.**
- **Training to use the website is pending.**
- **Review of the construction project specifications based on information gathered during the pilot study is in progress.**
- **Request for Board authorization to bid the construction project is planned for the October agenda.**

C. New Capacity Fund Projects

These projects are funded from the Capacity Fund.

14. Cement Hill Tank 2b:

Scope: construct a new 2 million gallon storage tank on Cement Hill above the water treatment plant

Project Budget: total project: \$5,898,000; FY 2018-19: \$2,995,810 from the New Capacity Fund

Status:

- Submittals are being reviewed and approved.
- **Forming, reinforcing and concrete placement for the tank walls is in progress. Concrete has been placed for the first of seven wall panels. The forms are being stripped and set for the second panel.**

15. Walters Road Pipeline

Scope: install a pressure reducing station and 12” pipeline in Walters Road across Highway 12 to the distribution system in the Lawler Ranch development.

Project Budget: \$581,000 from the New Capacity Fund

Notes: This project will provide better pressure and flowrates to the Walmart store and pending development to the southeast.

Status: Bidding of this project will be rescheduled to January, 2019, due to contractors and precast vault manufacturers being very busy with ongoing projects. Later bidding will probably result in more bids and lower bids. Since the project is not urgently needed at this time, this is to the Authority's advantage.

16. Water Master Plan Update

Scope: update the 1996 Water Master Plan

Budget: \$150,000 from the New Capacity Fund

Notes: consultant proposals for this project will be requested, and the project budget may change based on negotiations with the selected firm.

Status: Preparation of a Request for Proposals is in progress.

D. Other Projects

The following items include potential and pending capital projects, and Authority non-capital work (administrative, financial, operations and maintenance) affecting capital projects and planning.

17. Corp Yard Tank Replacement/Railroad Avenue Facility

Scope:

- Construct a tank and booster facility on a new site between the railroad tracks and the extension of Railroad Avenue, north of Old Town Suisun City. Construction of two pipelines to direct supply of water to Old Town completely through this facility for TTHM reduction is included in this project.
- The parcel for the facility will be retained within the 30 Acre Site development. Mapping the parcel is approved and funded.

Estimated Cost: 2017 update, including two pipelines: \$6,060,000.

Budget: Mapping of the parcel for the facility: \$6,600 from the Rehabilitation Reserve

Status:

- The need for this facility will be reconsidered in the Water Master Plan Update (project 16).
- Completion of parcel mapping is pending confirmation of its location.

18. NBA-Dally Highline Intertie

Scope: Construct a 36" pipeline connecting a turnout from the North Bay Aqueduct with the SID Dally Highline Canal. Include a pumping plant at the NBA and outlet works in the Canal. Work includes design, environmental review and mitigation, right-of-way and construction.

Budget: to be determined, but estimated to be \$4.5 million.

Notes: Design and construction must be coordinated with Fairfield development planned between the NBA and the Dally Highline Canal. The purpose of the project is to enable the use of Suisun City's State Water Project water allocation. Addition of this project to the CIP and contracting for its design will follow the approval of an amendment of the SSWA JEPA.

Status:

- **Details of the alignment adjacent to the Putah South Canal are being developed for USBR review.**
- **A meeting with SCWA is being scheduled to discuss funding and proposed alignment of the pipeline.**

19. Clarifier 3 Drive Repairs:

Scope: rebuild or replace the 2-motor drive systems for the mixers and rakes in Clarifiers 2 and 3 at Plant 2. This will be a sole-source contract with Shoemaker Mechanical which has successfully worked on the clarifier drives at Cement Hill WTP.

Project Budget: funding will be from the Operations budget

Status: **Clarifier 3 (which is currently working as a settling basin) will be drained and inspected to determine the needed repairs in the week of July 2.**

20. District Metered Area Implementation Project

Scope: study the distribution system and prepare a plan for where and how to create three permanent district metered areas (DMAs); implement the DMAs by adding meters and valves where needed and closing valves as planned; verify the hydraulic integrity of each area; and collect and analyze flow data to identify leakage in the system and pressure data to inform the strategy for improved pressure management.

Project Budget: \$250,000 from the 2016 Bond Fund for FY 2017-18, no additional funding for FY 2018-19.

Status:

- **Planning of the DMAs will be finished and reported in the next few weeks.**
- **Due to funding priorities this project is being suspended for FY 2018-19. Implementation of the planned permanent DMAs by adding needed valves and meters, then isolating the areas and proceeding with data collection and analysis, is being deferred until July, 2019.**


RECOMMENDATION/REQUEST:

None; this is provided for the Board's information.

ATTACHMENTS:

None

STAFF RESPONSIBLE FOR REPORT:



Jim Daniels, SID District Engineer

7-5-2018

Date

**SUISUN-SOLANO WATER AUTHORITY
BOARD MEETING**

**Monday, June 11, 2018
6:00 p.m.**

**Suisun City Hall Council Chambers
701 Civic Center Boulevard
Suisun City, CA**

MINUTES

Members Present:

City of Suisun City Councilmembers: Pete Sanchez, Lori Wilson, Mike Segala, Jane Day (via telephone), Mike Hudson

Solano Irrigation District Directors: John Kluge, Lance Porter Michael Barrett, Mike German

Staff: Cary Keaten, SSWA Manager/SID General Manager; Cammie Morin, SID Director of Finance; Joe Dingman, City of Suisun Administrative Services Director; Jim Daniels, SID District Engineer; Mona Ebrahimi, SSWA Legal Counsel; Beth Luna, Suisun City Accounting Services Manager; Natasha Montgomery, SID Executive Assistant.

Absent: Guido Colla

1. Preliminary

1.1. Call Meeting to Order

President Kluge called the meeting to order at 6 p.m.

1.2. Roll Call

1.3. Approval of Agenda

Upon motion by Boardmember Sanchez and seconded by Boardmember Hudson, the Board approved the agenda as presented

Ayes: German, Hudson, Barrett, Wilson, Day, Segala, Porter, Sanchez, Kluge

Noe: None

Abstain: None

Absent: Colla

1.4. Pledge of Allegiance

President Kluge led the Pledge of Allegiance.

1.5. Conflict of Interest Notification (*Any Agenda items that might be a conflict of interest to any Boardmembers should be identified at this time by the Boardmember involved*)

No Conflict of Interest Notifications.

2. Presentations

General Manager Cary Keaten acknowledged Suisun City Manager, Suzanne Bragdon for years of service with the City and Suisun-Solano Water Authority. Best wishes to her on her upcoming retirement.

3. Public Comment (Non-Agenda Items)

There were no public comments.

4. Informational Items

4.1 Capital Improvement project Status Report

There were no comments or questions from the Board.

5. Consent Calendar

5.1 Approval of the Minutes of the May 14, 2018, Regular Board Meeting

5.2 Adopt Resolution No. 18-11 approving a Notice of Completion for the CHWTP Clarifier 1 Reconstruction Project

5.3 Approve issuing a Request for Proposals for design of the CHWTP Chemical System Rehabilitation Project and filing a CEQA Notice of Exemption

5.4 Adopt Resolution No. 18-12 approving a Professional Services Work Order with KSN for the Clarifiers 2 and 3 and Tank 3 Reconstruction Project and a CEQA Notice of Exemption

5.5 Adopt Resolution No. 18-13 approving a Professional Services Agreement with NHA Advisors, LLC, to perform General Financial Consulting Work

Upon motion by Boardmember Wilson and seconded by Boardmember Hudson, the Board voted to approve the Consent Calendar as presented.

Ayes: German, Hudson, Barrett, Wilson, Day, Segala, Porter, Sanchez, Kluge

Noe: None

Abstain: None

Absent: Colla

6. **Scheduled Items**

6.1 Review of SSWA Budget Status for FY 2017-18 and adopt Resolution No. 18-14 approving the FY 2018-19 Annual Budget and Adjusted Capacity and Meter Fees

SID Finance Director Cammie Morin opened this item, summarized the staff report and provided a presentation to the Board.

Staff answered questions from the Board and addressed Board comments.

Upon motion by Boardmember Wilson and seconded by Boardmember Hudson, the Board voted to adopt Resolution No. 18-14 approving the FY 2018-19 Annual Budget and Adjusted Capacity and Meter Fees.

Ayes: German, Hudson, Barrett, Wilson, Day, Segala, Porter, Sanchez, Kluge

Noe: None

Abstain: None

Absent: Colla

7. **Board Comments**

President Kluge asked General Manager Cary Keaten how the Governor's water conservation proposals that he signed into permanent legislation recently will affect the Suisun-Solano Water Authority.

Mr. Keaten explained the following (*from Mr. Keaten's 6/8/2018 email to the Board*): Governor Brown signed Assembly Bill 1668 and Senate Bill 606 on May 31, 2018. The bills overhaul California's approach to conserving water by requiring the State Water Resources Control Board, in coordination with the Department of Water Resources, to establish long-term urban water use efficiency standards by June 30, 2022. The standards will include components for indoor residential use, outdoor residential use, water losses and other uses.

With regards to indoor residential use, the new laws set a standard of 55 gallons per-person, per-day through Jan. 1, 2025. There's a question regarding the calculation method that is not answered in the legislation. For example, will the calculation include commercial/industrial/institutional water usage in addition to residential use? If so, the SSWA Customers' use ranged between 60 R-GPCD and 54 R-GPCD over the past 3 years which is good news for SSWA. If not, the range is much higher at about 100 R-GPCD. After 2025, the R-GPCD water budget is incrementally reduced over time. Possibly, the value is lowered to 60 R-GPCD in 2030 but, it depends on further DWR and Water Board Studies. For example, the Bills require the DWR and Water Board "... to conduct necessary studies and investigations and would authorize the department and the board to jointly recommend to the Legislature a standard for indoor residential water use..."

In addition to the personal water budgets, the bills will require local water suppliers to:

- ✓ Calculate and comply with their water use objectives
- ✓ Report those objectives and actual use to DWR
- ✓ Incorporate new five-year drought risk assessments and water shortage contingency plans into Urban Water Management Plans.

Lastly, the Bills come with steep penalties. For example, starting in 2027, local water suppliers' failure to comply with SWRCB's adopted long-term standards could result in fines of \$1,000 per day during non-drought years, and \$10,000 per day during declared drought emergencies and certain dry years.

The Board directed staff to provide updates on the bills later in the year, to monitor them and report back to the Board before they go to DWR.

8. Staff Comments

No comments from staff.

9. Adjourn

Meeting adjourned at 6:40 p.m.

**SUISUN-SOLANO WATER AUTHORITY
BOARD MEETING**

MEETING DATE: July 9, 2018

AGENDA ITEM 6.1

Adopt Resolution No. 18-15 awarding a Contract for the Construction of the Suisun Valley Pipeline Replacement Project

EXECUTIVE SUMMARY:

Staff and the Executive Committee recommend that the Board 1) award the contract to construct the Suisun Valley Pipeline Replacement Project to Pacific Underground Services from Martinez, Calif., for the bid amount of \$218,420, and 2) approve a 10% construction contingency.

STAFF REPORT:

Background

In April 2017, Solano County commenced a road widening project for Mankas Corner Road, approximately located between Ledgewood Road and Clayton Road. The road widening project impacted portions of the existing Suisun Valley five (5) inch cast iron pipeline, as the existing pipeline is shallow and located within the designed road section base. To allow Solano County to complete the Mankas Corner Road Widening Project, SSWA is required to relocate existing facilities to outside of the project area. As a result, SSWA staff developed a project scope and budget to be included as part of the FY17-18 budget.

At the June 12, 2017 Board meeting, the Board authorized funding of the Suisun Valley Pipeline Relocation Project as part of the FY17-18 budget. To prevent similar SSWA facility conflicts within Solano County right-of-way, SSWA staff decided to pursue a dedicated easement located within the adjacent private property. Once the option of a dedicated easement became feasible, SSWA staff commenced the CEQA process to assess the environmental impacts. The CEQA documents were adopted by the SSWA Board at the May 14, 2018, regular Board meeting.

Beginning May 31, 2018, SSWA commenced advertisement for bids through BPXpress, an online publishing and reprographics company. The project plans and specifications were also advertised on the Solano Irrigation District website, and through the Bay Area Builders Exchange, Placer County Contractors Association, Dodge Data & Analytics, Construct Connect, and the Sacramento Regional Builders Exchange. A non-mandatory pre-bid meeting was held at the project site on June 18, 2018, which was only attended by SSWA staff and the consulting Engineer (no bidders attended). During the advertisement period, staff issued two (2) addendums to the project documents.

The bid opening was held at the Solano Irrigation District office at 2:00 pm on Thursday, June 28, 2018. SSWA received five (5) bids ranging between \$218,420 and \$341,708. Please see the Bid Tabulation in Attachment 1. The low bid of 218,420.00 was submitted by Pacific Underground Services of Martinez, Calif. The Engineer's Estimate for the contract was

\$260,000. Review of Pacific Underground Services' bid, references, license and bond showed their bid to be responsive to the contract requirements. Staff recommends award of the construction contract to Pacific Underground Services.

Project Schedule

The schedule for the project is planned as follows. Based on discussion at the Pre-Construction meeting, and the date of the Notice to Proceed, it may change slightly.

Notice of Award	July 10, 2018
Execute contract and secure insurance and bonds	July 20, 2018
Notice to Proceed	July 30, 2018
Pre-Construction Schedule Meeting	August 2, 2018
Begin submittal review process	August 3, 2018
Begin field construction	August 9, 2018
Complete construction (45 working days from beginning construction):	October 11, 2018

Financial Analysis

The FY17-18 budget approved at the June 12, 2017, regular Board meeting included funding in the amount of \$351,000 for the Suisun Valley Pipeline Replacement Project. Please refer to the Project Budget Review in Attachment 2. To date, project expenditures for design, environmental, and administration total approximately \$30,700. The bid amount of \$218,420 plus a 10% construction contingency of \$21,842 is within the remaining budget and the project is estimated to be within the total approved budget.

RECOMMENDATION/REQUEST:

Adopt Resolution No. 18-15 to award the construction contract to Pacific Underground Services from Martinez, Calif., for the bid amount of \$218,420.00, plus a 10% construction contingency of \$21,842, for a total authorized approval limit of \$240,262.


ATTACHMENTS:

1. Bid Tabulation
2. Project Budget Review
3. Resolution No. 18-15

STAFF RESPONSIBLE FOR REPORT:


Justin Hopkins, Senior Civil Engineer

07-03-2018
Date


Jim Daniels, SID District Engineer

7-5-2018
Date

Suisun Valley Pipeline Replacement Project Bid Results (06-28-18)

Bid Rank

Item No.	Line Item	Quantity	Unit	1		2		3		4		5	
				Pacific Underground Services	Extended Cost	Lister Construction Inc.	Extended Cost	California Trenchless Inc.	Extended Cost	Vaca Valley Excavating & Trucking Inc.	Extended Cost	R. J. Gordon Construction Inc.	Extended Cost
1	Mobilization & Demobilization	1	LS	\$24,620.00	\$24,620.00	\$12,750.00	\$12,750.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$17,500.00	\$17,500.00
2	Fl&R Temporary Erosion and Sediment Control	1	LS	\$7,500.00	\$7,500.00	\$16,000.00	\$16,000.00	\$5,000.00	\$5,000.00	\$16,935.00	\$16,935.00	\$30,000.00	\$30,000.00
3	Salvage Existing Air Release Valve	1	EA	\$3,500.00	\$3,500.00	\$2,500.00	\$2,500.00	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
4	F&I Domestic Waterline, PVC 6-inch	1870	LF	\$57.00	\$106,590.00	\$55.00	\$102,850.00	\$107.00	\$200,090.00	\$85.50	\$159,885.00	\$93.00	\$173,910.00
5	F&I Butterflu Valve, 6-inch	1	EA	\$4,500.00	\$4,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00
6	F&I Air Release Valve Assembly	3	EA	\$5,500.00	\$16,500.00	\$2,000.00	\$6,000.00	\$2,800.00	\$8,400.00	\$6,000.00	\$18,000.00	\$4,500.00	\$13,500.00
7	F&I Blow-off Assembly	2	EA	\$5,000.00	\$10,000.00	\$1,500.00	\$3,000.00	\$2,500.00	\$5,000.00	\$5,000.00	\$10,000.00	\$4,000.00	\$8,000.00
8	F&I Meter Connection, 3/4-inch	4	EA	\$7,000.00	\$28,000.00	\$10,500.00	\$42,000.00	\$2,800.00	\$11,200.00	\$16,000.00	\$64,000.00	\$12,500.00	\$50,000.00
9	F&I Double Meter Connection, 3/4-inch	1	EA	\$8,500.00	\$8,500.00	\$13,000.00	\$13,000.00	\$3,000.00	\$3,000.00	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00
10	Remove Existing Waterline	671	LF	\$10.00	\$6,710.00	\$40.00	\$26,840.00	\$15.00	\$10,065.00	\$50.00	\$33,550.00	\$38.00	\$25,498.00
11	Asphalt Concrete Paving	4	SY	\$500.00	\$2,000.00	\$1,500.00	\$6,000.00	\$1,200.00	\$4,800.00	\$800.00	\$3,200.00	\$950.00	\$3,800.00
Total					\$218,420.00		\$233,440.00		\$266,555.00		\$333,570.00		\$341,708.00

**Suisun Solano Water Authority
Board Meeting, 7-9-2018
Agenda Item 6.1
Attachment 1**

Suisun Solano Water Authority
Board Meeting, 7-9-2018
Agenda Item 6.1
Attachment 2

Suisun Valley Pipeline Replacement Project
Project Budget Review

Line	Description	Amount
1	Project Design & Bidding	\$32,000
2	Construction	
3	Construction Contract	218,420
4	Construction Contingency @ 10%	21,842
5	Construction Subtotal	\$240,262
6	Construction Administration	
7	Inspection Services	10,560
8	Staff Expenses	10,000
9	<i>Subtotal</i>	20,560
10	Contingency @ 10%	2,100
11	Construction Admin Subtotal	\$22,660
12	Total Estimated Cost	\$294,922
13	Project Budget	\$351,000

SUISUN SOLANO WATER AUTHORITY

RESOLUTION NO. 18-15

**AWARDING A CONTRACT FOR THE CONSTRUCTION OF
THE SUISUN VALLEY PIPELINE REPLACEMENT PROJECT**

WHEREAS, SSWA has an ongoing program for funding Capital Improvement Program (CIP) projects to replace and upgrade facilities as needed; and,

WHEREAS, at their June 12, 2017, meeting the SSWA Board approved the FY 2017-18 CIP plan and budget, including a project to replace approximately 1,835 linear feet of existing five (5) inch cast iron pipeline, called the Suisun Valley Pipeline Replacement Project, and directed staff to advertise for bids to construct the Suisun Valley Pipeline Replacement Project; and,

WHEREAS, bids to construct the Suisun Valley Pipeline Replacement Project were received on June 28, 2018, and after analysis, the lowest responsive bid was \$218,420.00, submitted by Pacific Underground Services, of Martinez, Calif.; and,

WHEREAS, a Mitigated Negative Declaration was previously prepared, analyzing the impacts of construction of the project, and approved by the SSWA Board on May 14, 2018, by Resolution No. 18-10, and a Notice of Determination was filed with the Clerk of the Solano County Board of Supervisors on May 17, 2018.

NOW THEREFORE, the Board of Directors of the Authority does find, resolve and order as follows:

1. The construction contract for the Suisun Valley Pipeline Replacement Project is awarded to Pacific Underground Services for the amount of \$218,420.00; and,
2. The SSWA Manager is hereby authorized to execute the construction contract on behalf of the Authority with a 10% construction contingency of \$21,842.00 for a total approval limit of \$240,262.00, and to do all things necessary and proper to implement the contract.

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PASSED AND ADOPTED THIS 9TH DAY OF JULY, 2018, AT SUISUN CITY, CALIFORNIA, THE FOLLOWING DIRECTORS VOTING THEREON:

AYES:

NOES:

ABSTAIN:

ABSENT:

J.D. Kluge, President of the Board of Directors
of the Suisun Solano Water Authority

ATTEST:

I hereby certify that the foregoing Resolution was duly made, seconded and adopted by the Board of Directors of the Suisun Solano Water Authority at their meeting held July 9, 2018.

James S. Daniels, Secretary to the Board of Directors
of the Suisun Solano Water Authority