



SUISUN-SOLANO WATER AUTHORITY

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EXECUTIVE COMMITTEE MEETING

**Monday, February 5, 2018
9:00 a.m.**

**Suisun City Hall Conference Room
701 Civic Center Boulevard
Suisun City, CA**

AGENDA

1. **Preliminary**
 - 1.1. Call Meeting to Order
 - 1.2. Approval of Agenda
2. **Presentations**

None
3. **Public Comment (Non-Agenda Items)**
4. **Informational Items**
 - 4.1 Capital Improvement Project Status Report
5. **Consent Calendar**
 - 5.1. Approval of the Minutes of the January 2, 2018 Executive Committee Meeting
6. **Scheduled Items**
 - 6.1. Approve Contract Amendment with KSN for CIP Project Inspection Services
 - 6.2. Approve a FY 2017-18 Operations Budget Adjustment for Additional Street Repair Costs
 - 6.3. Items for the SSWA Board Meeting scheduled for Monday, February 12, 2018 at 6 p.m.
7. **Adjourn**

**SUISUN-SOLANO WATER AUTHORITY
EXECUTIVE COMMITTEE MEETING**

MEETING DATE: February 5, 2018

AGENDA ITEM 4.1

Capital Improvement Project Status Report

EXECUTIVE SUMMARY:

The current status of the capital projects approved by the Board at its June 12, 2017, meeting 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. Clarifiers 2 & 3 Drive Replacement:

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: \$50,000 from the Replacement Reserve

Notes: This work was originally scheduled for FY 2023-24, but the work needs to be done now. It will be coordinated with the Tank 3 and Clarifiers 2 and 3 Rehabilitation project as well as repairs to Clarifier 1 at Plant 1.

Status: The drive for Clarifier 3 is being rebuilt by Action Machine and Welding as approved at the December Board meeting. The clarifier is expected to be back in service in February.

2. Telephone System Replacement:

Scope: install internet-based phones in both plant control buildings. Integrate this with the plant security system for access control.

Project Budget: \$20,000 from the Replacement Reserve; projected \$10,000 remaining for FY 2017-18

Status: the system is installed and functional. Integration with the plant security system and phone systems at other District facilities will be done during the Cisco Physical Security System Integration project.

3. Perimeter Security System Upgrade:

Scope: replace the existing perimeter sensor system and integrate them with the upgraded security system already installed.

Project Budget: \$35,000 from the Replacement Reserve; projected \$34,000 remaining for FY 2017-18

Status: This project is complete.

4. Suisun Valley Pipeline Relocation

Scope: relocate about 2,300 feet of the Suisun Valley 5" Pipeline in conflict with a Solano County road improvement project.

Project Budget: \$351,000 from the Replacement Reserve; added at the June 12, 2017 Board meeting, item 6.2.

Status:

- The terms of the easement for the relocation have been agreed to, and the agreement and easement are being prepared.
- The topographic survey is finished.
- The engineering design and bid documents are being prepared.

B. 2016 Bond Fund Projects

These projects are funded from the 2016 Bond Fund.

Cement Hill Water Treatment Plant Projects

5. Plant 1 Filter Piping Rehabilitation:

Scope: Design and replacement of the steel piping at the pressure filters in the Plant 1 Control Building. Approximately 300 feet of 12" and 20" piping, and smaller sizes as well, are involved.

Budget: \$300,000 from the 2016 Bond Fund; projected \$299,500 remaining for FY 2017-18

Notes: Replacement is needed due to coating failure discovered in the 2012 Condition Assessment. Investigation of the extent of the failure will be included in the design process.

Status: scheduling of this work is being reviewed. This project is on hold.

6. Plant 1 Main Pump & Valve Replacement – Design:

Scope: design for new pumps, valves and manifolds

Budget: \$24,000 from the 2016 Bond Fund; projected \$12,000 remaining for FY 2017-18

Notes: In anticipation of the future need to replace the raw water pumps at Plant 1, a design for new pumps, valves and manifolds will be prepared. Procurement and installation of the equipment will be deferred until the need to do so is established.

Status: this project is on hold. Scheduling of this work will be coordinated within the Capital Improvement Program. Similar planning for the Plant 2 main pumps is also in progress.

7. 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: the project scope is being expanded to address all process meters within the WTP that are used to control and document plant operation and production. The project budget will be adjusted when the scope is finalized.

Status: **Engineering of the project is under way by KSN to identify and specify meter replacements and additions.**

8. Tank 3 and Clarifiers 2 & 3 Rehabilitation:

Scope: Plant 2 raw water treatment equipment will be rehabilitated as follows:

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

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

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

Project Budget: \$307,000 from the 2016 Bond Fund; projected \$305,500 remaining for FY 2017-18. An updated estimate to replace the equipment in both clarifiers may increase the cost by \$1.2 to \$1.5 million.

Notes: At Plant 2, rehabilitation of Tank 3 was deferred from FY 2014-15 and was added to this project.

Status: design in planned in 2018 with construction in 2018-19.

9. New Cement Hill Pipeline:

Scope: design a new pipeline parallel to the existing Cement Hill Pipeline for water quality and redundancy purposes. The project passes through two distinct areas: on the ranch north of Clay Bank Road, and in Clay Bank Road and across the Putah South Canal.

Project Budget: Design: \$155,000; construction: \$1,553,000 from the 2016 Bond Fund.

Notes: construction of this project is planned after completion of the Tank 2b construction project. The TTHM studies (project #30 below) recommend this project.

Status:

- **Proposals from seven consulting firms were received on January 25, and are being reviewed.**
- Award of the contract is tentatively scheduled for the March 13 Board meeting.
- **Construction is scheduled for 2019.**

10. Miscellaneous Piping Replacement

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

- **Provide adjusting mounting tables for six chemical feed pumps**
- **Rearrange the pumps and equipment in the chemical room**
- **Install new piping to the relocated pumps.**
- **Replace plant piping outside of the control buildings in the concrete trenches to the operating equipment.**

Project Budget: \$70,000 from the 2016 Bond Fund; projected \$65,000 remaining for FY 2017-18. **A new budget is being prepared for the expanded project.**

Notes: **The liquid chemical solutions include coagulant, filter aid and chlorine. The compressed air piping will also be replaced.** The existing pumps are still serviceable. This project was previously known as the Chemical Feed Piping (Interior) Replacement project. Expanding the project throughout the plant will make including the chlorination and compressed air piping a logical choice.

Status: **A Request for Proposals for engineering for this project is being prepared and will be presented to the Board in the March meeting.** It will probably be done in 2019.

11. Cisco Physical Security System Integration

Scope: install and integrate plant security equipment

Project Budget: \$190,000 from the 2016 Bond Fund; projected \$180,000 remaining for FY 2017-18

Notes: this will integrate remote-controlled cameras, access control and monitoring equipment into the District's central security system. It will allow remote monitoring and response by plant operators and IT personnel.

Status: **the selected contractor has told us that they no longer do Cisco physical security systems, and contract negotiations were not complete. Retaining another integration contractor will begin.**

12. Pump Control Programming

Scope: provide programming to optimize the operation of the variable frequency drives for both the raw water pumps and main water pumps at both Plants 1 and 2

Project Budget: \$15,000 from the 2016 Bond Fund; some work will be done in FY 2017-18

Status: this project is complete.

13. Clarifier 1 Reconstruction

Scope: furnish and install a new clarifier meeting the design requirements established for the plant.

Project Budget: \$870,000 from the 2016 Bond Fund; approved at the October 10, 2017, Board meeting.

Notes: The contractor is W.M. Lyles, and the manufacturer is ClearStream.

Status: work is in progress. Completion is scheduled for May 18, 2018. Structural analysis of the tank shell has been completed, and a proposal to construct the structural modifications to the existing tank shell is pending. **Cost of the extra work is expected to be well within the project contingencies.**

14. Raw Water Screen and Meter Replacement

Scope: replace the existing travelling water screen in the Raw Water Intake Subsystem.

Replace the existing open flow meter (designated FM3) which measures diversions from the PSC, with a Rubicon FlumeMeter.

Project Budget: \$105,000 from the 2016 Bond Fund

Notes: this project is beneficial to accurately measure SID and Suisun City diversions from the PSC, and is recommended by the SCWA to proceed. A more accurate measurement of input to the plant will also contribute to a more accurate water balance for SSWA, a new annual requirement of the State Water Board.

Status: **The raw water screen is installed. The Rubicon meter has been delivered and will be installed next week. Power and control wiring will be installed next.**

Distribution Facility Projects

15. Railroad Ave. Meter & Pressure Reducing Station Rehabilitation

Scope: replace two existing large meters and one pressure reducing station at Railroad Avenue and Humphrey Drive, including new concrete vaults with traffic-rated covers.

Project Budget: \$208,000 from the 2016 Bond Fund

Notes: this project is designed and ready for construction by SSWA forces. These are the oldest such facilities in SSWA and critical to reliable service from the Cement Hill WTP.

Status: Construction is scheduled for **mid-February**, 2018.

16. Benton Court Facility Upgrade

Scope: Add a motor operated valve (MOV) within the Benton Court Pressure Reducing Station to

Project Budget: \$124,000 from the 2016 Bond Fund; projected \$123,000 remaining for FY 2017-18

Notes: The MOV will allow remote configuration for pumping to and delivering from the Gregory Hill Tank, optimizing use of the tank and the TTHM-reduced water in it.

Status: **Installation of the MOV and power and control conduits and circuits is scheduled for late February, 2018.**

Distribution System Projects

17. Tolenas Pipeline Replacement in Clay Bank Road:

Scope: there is one remaining payment due to the City of Fairfield for the relocation of the Tolenas Lateral in Clay Bank Road. When Fairfield grants to SID and easement for the relocated pipeline within the road right-of-way, SSWA will pay the remaining balance of \$200,000 from the 2016 Bond Fund.

Status: this project is complete.

18. Sectionalizing Valve Replacement Project

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

Project Budget: \$81,000

Notes: this project has been approved.

Status: five locations have been identified, and replacements have been made at two of them.

19. Suisun Valley Pipeline Creek Crossing

Scope: design, obtain permits for, bid and construct a new creek crossing for the Suisun Pipeline.

Project Budget: \$150,000 from the 2016 Bond Fund; projected \$135,000 remaining for FY 2017-18

Notes: The pipeline is exposed in the bottom of the creek. Installation on the County road bridge across Suisun Creek is preferred to a bored crossing under the creek.

Status: **A maintenance project protected the pipe adequately for now. Further monitoring of the pipeline will determine if relocation is needed.**

Supervisory, Control, And Data Acquisition (SCADA) Projects

20. Storage Tank Chlorine Residual Monitors

Scope: install test equipment at three existing storage tanks and integrate them into the SCADA system to report chlorine residual levels in the tanks.

Project Budget: \$50,000 from the 2016 Bond Fund

Notes: this will improve the efficiency of ensuring adequate chlorine residual for disinfection of the water taken from the tanks into the distribution system.

Status: this project is on hold.

Water Loss Control Projects

21. Large Meter Replacement Project

Scope: replace meters from 3" to 6" in size

Project Budget: \$271,000 from the 2016 Bond Fund; projected \$123,000 remaining for FY 2017-18

Notes: this project has been approved but was deferred for funding. New, accurate, lead-free meters will be installed by SSWA crews. Due to their size and variations among models, each installation is somewhat unique and can involve significant reconstruction of the water service.

Status: meters manufactured by Badger will be installed once the meter reading infrastructure is in service – see project 23 below.

22. 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: **a meeting of staff with the consultant (WSO) and the CIP Program Manager (KSN) was held on January 30. Hydraulic analysis of the proposed metered area boundaries by Summers Engineering is being arranged.**

23. Meter Replacement and AMI Implementation

Scope: replace all existing customer meters in the SSWA system with new accurate meters compatible with the existing Sensus meter reading system. Design/specify an advanced meter infrastructure system for meter reading compatible with the new meters and City Finance billing operations, customer service and data storage.

Project Budget: \$2,460,000 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: Board approval to bid the meter replacement and AMI project using Badger meters was given in August. Draft bid documents have been distributed for staff review. The location and number of gateway transceivers to collect the meter data is being studied.

System-wide Planning Projects

24. CIP Program Management Services

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

Project Budget: \$330,000 over 2 years from the 2016 Bond Fund

Notes: because of the greater bond proceeds received in 2016 (actual \$9.5 million vs. planned \$5.3 million) still planned to be spent in three years, and with many small to medium projects each of which require roughly the same work to design, contract and administer as larger projects, staff is challenged to deliver capital projects fast enough.

Status: project planning is ongoing. Biweekly meetings have been scheduled.

C. New Capacity Fund Projects

These projects are funded from the Capacity Fund.

25. Cement Hill Tank 2b:

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

Project Budget: **\$5,898,000** from the New Capacity Fund (approved at the 1-8-2018 Board meeting)

Status:

- **Preconstruction meeting held on February 1, 2018.**
- **Construction is planned to start March 1, 2018.**

26. 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: \$436,000 from the New Capacity Fund

Notes: this project has been approved. It will provide better pressure and flowrates to the Walmart store and pending development to the southeast.

Status:

- **The Caltrans permit for boring under Highway 12 is being renewed**
- **Bids will be invited next week.**
- **Award of the contract is scheduled for the March board meeting.**

27. New Capacity Study

Scope: update the calculation of water demand in the SSWA system and evaluate alternatives for providing the supply and treatment capacities required to meet it. The scope is to be expanded to include the preparation of a new Water Master Plan, and will be reflected in the Water Capacity Charge Update Study now in progress. (See project #31 below.)

Project Budget: \$15,000 from the New Capacity Fund; projected \$13,000 remaining for FY 2017-18. Proposed budget including a new water master plan is a total of \$30,000.

Notes: this will update the October, 2013, study presented to the Board.

Status: Work on this project will be done in conjunction with discussions of the SSWA JEPA, the Suisun Commerce and Logistics Center WSA and the ongoing TTHM Phase 2 studies.

D. Other Projects

28. Corp Yard Tank Replacement/Railroad Avenue Facility

Scope: construct a 1.5 million gallon storage tank, 2,000 gpm booster pump station and appurtenances on a new site between the railroad tracks and the extension of Railroad Avenue, north of Old Town Suisun City. When complete, take the existing Corp Yard Tank out of service. Demolition of the existing tank is to be determined. Construction of two pipelines to direct supply of water to Old Town completely through this facility for TTHM reduction is included in this project.

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

Notes: Construction of the Railroad Ave. Facility depends on development of the adjacent land (known as the "30 Acre Site"). Determination of the alignment of Railroad Avenue past the facility site, and the relocation of the existing Kinder Morgan high-pressure fuel line outside of the site, are precursors to this project as well, and are under discussion. Analysis of this project will be included in the New Capacity Study, project 27, above.

Status: The project is being removed from the CIP Plan for now, but the parcel for it will be retained within the 30 Acre Site development.

29. Clarifier 1 Drive Repair

Scope: repair the Clarifier 1 mixer and rake drive systems

Budget: this is a plant maintenance expense and is paid under the Operations Budget

Notes: This is a maintenance project. The goal is to repair the drive so that it lasts at least through the 2017 high-demand season. Project #12 above is to replace the clarifier. Project #1 above is suspended until the completion of this work allows Clarifier 2 to be removed from service for drive repair.

Status: This project is complete.

30. TTHM Study Phase 2

Scope: implement recommended actions, conduct further examination and accumulate more data to develop a dynamic operational strategy for SSWA to use to combat the formation of total trihalomethanes (TTHM) in the water distribution system

Budget: \$100,000 in the Operations Budget

Status: **A full-scale study of chemical dosing, TOC removal and TTHM reduction is being planned after completion of major capital projects affecting water conditions in the system (Cement Hill Tanks 2a and 2b, the New Cement Hill Pipeline, CHWTP clarifier upgrades).**

31. Water Capacity Charge Update Study

Scope: based on updated project list and costs, determine the development impact fees (water capacity charges) to be paid by new development within Suisun City for water supply projects to serve the new development.

Budget: \$27,500 from the Capacity Fund

Notes: NBS is the consultant preparing the Study. The CIP Plan will be changed to remove the Railroad Avenue Facility (project #28, above) for now, and add the NBA-Dally Intertie (project #32, below).

Status: The study is in progress. **A draft report is due Friday, February 2. The report is planned to be presented in the March Board meeting.**

32. 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.

Status:

- An updated project cost estimate has been prepared.
- The project is included in the Water Capacity Charge Update Study now in progress.
- **A proposal to design the new facility has been requested from the engineer designing the development north of the North Bay Aqueduct, through which the intertie pipeline must be located.**

RECOMMENDATION/REQUEST:

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

ATTACHMENTS:

None

STAFF RESPONSIBLE FOR REPORT:



Jim Daniels, SID District Engineer

2-1-2018

Date

**SUISUN SOLANO WATER AUTHORITY
EXECUTIVE COMMITTEE MEETING**

**Monday, January 2, 2018
9:00 a.m.**

**Suisun City Hall Conference Room
701 Civic Center Boulevard
Suisun City, CA**

MINUTES

(UNADOPTED – SUBJECT TO REVISION)

Members Present:

City of Suisun City: Pete Sanchez, SSWA Board Vice President, Suisun City Mayor;
Suzanne Bragdon, SSWA Assistant Manager, Suisun City Manager

Solano Irrigation District: J.D. Kluge, SSWA Board President, SID Board President
(via teleconference); Cary Keaten, SSWA Manager; SID General Manager

Staff Present: Jim Daniels, SSWA Secretary, SID District Engineer

1. **Preliminary**

1.1 **Call to Order**

Sanchez called the meeting to order at 9:00 a.m.

1.2 **Approval of the Agenda**

Upon a motion by Bragdon, seconded by Keaten, the Committee voted
unanimously to approve the agenda as presented.

2. **Presentations**

None

3. **Public Comment (Non-Agenda Items)**

None

4. **Informational Items**

4.1 **Capital Improvement Project Status Report**

There were no questions or comments on this item.

AGENDA ITEM 5.1

4.2 TTHM Reduction Study Status Report

Daniels and Keaten briefly summarized the status report. Topics of discussion included:

- The TTHM concentrations are below the MCL of 80 parts per billion (ppb) but still high (between 60 and 80 ppb).
- Further studies are needed to optimize operations and chemical dosing
- Readings at the Suisun Valley School are lower due to TTHM removal in the Gregory Hill Storage Tank, but they are still relatively high.

5. Consent Calendar

5.1 Approve the Minutes of the December 4, 2017, Executive Committee Meeting

Upon a motion by Keaten, seconded by Bragdon, the Committee voted unanimously to approve the minutes as presented.

6. Scheduled Items

6.1 Cement Hill Tank 2b Contract Award

Daniels reviewed the bid results and analysis, and the proposed change to the FY 2017-18 CIP Budget. Suggestions for additions to the staff report included:

- Nearby prestressed concrete tanks that have been constructed
- Information on performance of concrete tanks during earthquakes

6.2 Items for the SSWA Board Meeting scheduled for Monday, January 8, 2018, at 6 p.m.

By common consent the Committee agreed to take all items to the Board.

7. Adjourn

The meeting was adjourned at 9:18 a.m.

**SUISUN-SOLANO WATER AUTHORITY
EXECUTIVE COMMITTEE MEETING**

MEETING DATE: February 5, 2018

AGENDA ITEM 6.1

Approve an Amendment to the Contract with KSN to add CIP Project Inspection Services

EXECUTIVE SUMMARY:

SSWA requires inspection of capital construction projects. An amendment to the agreement with KSN is proposed to have them provide these services. Approval of the amendment is requested.

STAFF REPORT:

Inspection of the construction of SSWA capital facilities is needed to ensure the quality of the finished work and compliance with the contract design and standard specifications. Experienced inspectors, either SSWA staff members or hired specialists, are assigned to projects to observe and report on the work, confirm compliance with the contract drawings and specifications, and be the main representative of SSWA to communicate and coordinate with the contractor(s) on the project. SSWA staff needs the assistance of a contract inspector because they are very busy with their own assignments.

The consulting firm of KSN, retained by SSWA to be the program manager of the Capital Improvement Program, provides inspection services. KSN was selected to provide services to SSWA through a proposal and interview process in 2017. The contract includes fees for inspection services but all services under the contract are to be paid as part of a not-to-exceed contract amount. The inspection costs should be accounted to the capital projects on which they are incurred, not the program management costs. Inspection costs will be included in the project budgets which are approved by the Board when the projects and contracts are approved. For example the approved budget for the Cement Hill Tank 2b project includes \$260,300 for inspection services by KSN. Attachment 1 is a proposed contract amendment to properly account for project-specific inspection costs.

RECOMMENDATION/REQUEST:

Staff requests the Executive Committee to recommend to the SSWA Board the approval of the contract amendment for inspection services with KSN.

ATTACHMENTS:

1. Draft Contract Amendment 1

STAFF RESPONSIBLE FOR REPORT:



Jim Daniels, SID District Engineer

02-02-2018

Date

SUISUN SOLANO WATER AUTHORITY

AMENDMENT 1

TO THE

AGREEMENT FOR PROFESSIONAL SERVICES AND OTHER SERVICES

TO

PROVIDE PROGRAM/PROJECT MANAGEMENT FOR THE SSWA CIP PROGRAM

THIS AMENDMENT, effective _____, 2018, is to the Agreement dated _____, 2017, between Suisun Solano Water Authority, a joint powers agency, therein and hereinafter referred to as "Authority," and Kjeldsen, Sinnock, & Neudeck Inc., a California Corporation, therein and hereinafter referred to as "Consultant."

The Authority requires construction inspection services for its Capital Improvement Program projects. The Consultant is willing to perform these services pursuant to the terms and conditions set out in this Amendment.

IT IS MUTUALLY AGREED, as follows:

1. SCOPE OF SERVICES

The Authority hereby engages the Consultant, and the Consultant agrees to perform construction inspection services.

2. COMPENSATION

Compensation for the Services under this Amendment shall be made on a time and materials basis per the rate schedule provided in Exhibit B to the Agreement. Compensation for inspection services shall not be accounted against the compensation established under the Agreement. Rather, compensation for inspection services shall be accounted to the capital projects for which the inspection services are provided.

3. TIME OF PERFORMANCE

Said Services will take place during the construction projects for which the inspection services are provided or as otherwise authorized by the Authority.

All other terms of the Agreement remain unchanged and in effect, and services provided under this Amendment shall be supplied in accordance with the terms of the Agreement.

The parties have executed this Amendment the day and year first above written. If the Consultant is a corporation, documentation must be provided that the person signing below for the Consultant has the authority to do so.

Suisun Solano Water Authority
a California Public Agency

Kjeldsen, Sinnock & Neudeck, Inc.
a California Corporation

By: _____
Cary Keaten, General Manager

By: _____

**SUISUN-SOLANO WATER AUTHORITY
EXECUTIVE COMMITTEE MEETING**

MEETING DATE: February 5, 2018

AGENDA ITEM 6.2

Approve a FY 2017-18 Operations Budget Adjustment for Additional Street Repair Costs

EXECUTIVE SUMMARY:

Additional costs to conform to new Suisun City traffic control and backfill compaction requirements during maintenance work in City streets will exceed the planned costs in the approved FY 2017-18 Operations Budget. A budget increase of \$70,000 is requested.

STAFF REPORT:

The current FY 2017-18 Operations Budget includes costs for traffic control while SSWA crews perform operations and maintenance activities in City streets. Such activities include hydrant flushing, valve exercising, main and service pipeline break and leak repairs and replacements, repairs and replacements of valves and appurtenances, and various capital improvements (new construction). Traffic control costs include, signs, traffic delineators (cones) and flaggers (usually crew members) to direct traffic safely around work in the street. Also included are the costs of compaction testing of the aggregate base used to backfill the excavation in the street.

Suisun City has implemented new requirements for traffic control and backfill compaction beyond what was done in the past and planned for in this year's SSWA Operations Budget. Following is an estimate of the new costs for traffic control.

Estimated Additional Annual Street Repair Costs

Line	Description	Amount
1	Labor - two flaggers with vehicle and extra signs	\$40,000
2	Equipment Rental	10,000
3	Traffic Control Plans	12,000
4	Additional compaction testing (one test each lift, \$2,000 per repair)	80,000
5	Annual Total	\$142,000

For the remainder of FY 2017-18 the additional cost is estimated to be \$70,000 which will cause the budget to be exceeded. Only actual costs are charged for the repair work. Staff is requesting an additional budget of \$70,000 to fund these unanticipated additional costs. Future budgets will be increased to cover ongoing additional costs.

RECOMMENDATION/REQUEST:

Staff recommends and requests the Executive Committee to recommend approval of the addition of \$70,000 to the FY 2017-18 Operations Budget for traffic control costs.

ATTACHMENTS:

None

STAFF RESPONSIBLE FOR REPORT:



Matt Medill
Water and Power Operations Superintendent

02-02-2018

Date



Jim Daniels, SSWA Secretary

02-02-2018

Date