



# S A W P A

SANTA ANA WATERSHED PROJECT AUTHORITY  
11615 Sterling Avenue, Riverside, California 92503 • (951) 354-4220

## NOTICE OF SPECIAL COMMISSION MEETING TUESDAY, JANUARY 10, 2017 – 9:30 A.M.

AT  
SANTA ANA WATERSHED PROJECT AUTHORITY  
11615 STERLING AVENUE  
RIVERSIDE, CALIFORNIA 92503

### AGENDA

1. CALL TO ORDER (Thomas P. Evans, Chair)
2. ROLL CALL
3. PUBLIC COMMENTS

Members of the public may address the legislative body concerning any item that has been described in the notice for this Special Meeting before or during consideration of that item as authorized by Government Code §54954.3(a).

#### 4. ITEMS FOR COMMISSION CONSIDERATION

##### A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION PURSUANT TO GOVERNMENT CODE SECTION 54956.9(d)(1)

Name of Case: Spiniello Companies v. Charles King Company, Inc., Santa Ana Watershed Project Authority, The Ohio Casualty Insurance Company (Superior Court of Los Angeles BC616589)

##### B. CONSIDER CONTRACT ACTIONS FOR REACH V REHABILITATION AND IMPROVEMENT PROJECT – PHASE I (CM#2017.5) ..... 3

**Recommendation:** Authorize the General Manager to:

1. Award a contract on the Inland Empire Brine Line Reach V Rehabilitation and Improvement Project – Phase 1 to Weka Inc. for an amount not to exceed \$12,950,113;
2. Execute Task Order No. VALI326-04 in an amount not to exceed \$1,252,400 with Vali Cooper & Associates, Inc. to provide Construction Management Services for the Inland Empire Brine Line Reach V Rehabilitation and Improvement Project – Phase 1; and,
3. Execute Task Order No. DUDK326-06 in an amount not to exceed \$134,900 with Dudek to provide Engineering Services during Construction for the Inland Empire Brine Line Reach V Rehabilitation and Improvement Project – Phase 1.

#### 5. ADJOURNMENT

**PLEASE NOTE:**

Americans with Disabilities Act: Meeting rooms are wheelchair accessible. If you require any special disability related accommodations to participate in this meeting, please contact (951) 354-4220 or [kberry@sawpa.org](mailto:kberry@sawpa.org). 48-hour notification prior to the meeting will enable staff to make reasonable arrangements to ensure accessibility for this meeting. Requests should specify the nature of the disability and the type of accommodation requested.

Materials related to an item on this agenda submitted to the Commission after distribution of the agenda packet are available for public inspection during normal business hours at the SAWPA office, 11615 Sterling Avenue, Riverside, and available at [www.sawpa.org](http://www.sawpa.org), subject to staff's ability to post documents prior to the meeting.

**Declaration of Posting**

I, Kelly Berry, Clerk of the Board of the Santa Ana Watershed Project Authority declare that on Monday, January 9, 2017, a copy of this Notice of Special Meeting and Agenda has been uploaded to the SAWPA website at [www.sawpa.org](http://www.sawpa.org) and posted at SAWPA's office at 11615 Sterling Avenue, Riverside, California.

/s/

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Kelly Berry, CMC

## COMMISSION MEMORANDUM NO. 2017.5

**DATE:** January 10, 2017

**TO:** SAWPA Commission

**SUBJECT:** Inland Empire Brine Line Reach V Rehabilitation and Improvement Project – Phase 1

**PREPARED BY:** David Ruhl, Program Manager

### RECOMMENDATION

It is recommended that the Commission authorize the General Manager to:

1. Award a contract on the Inland Empire Brine Line Reach V Rehabilitation and Improvement Project – Phase 1 to Weka Inc. for an amount not to exceed \$12,950,113;
2. Execute Task Order No. VALI326-04 in an amount not-to-exceed \$1,252,400 with Vali Cooper & Associates, Inc. to provide Construction Management Services for the Inland Empire Brine Line Reach V Rehabilitation and Improvement Project – Phase 1.
3. Execute Task Order No. DUDK326-06 in an amount not-to-exceed \$134,900 with Dudek, to provide Engineering Services during Construction for the Inland Empire Brine Line Reach V Rehabilitation and Improvement Project – Phase 1.

### DISCUSSION

On August 2, 2016 SAWPA terminated Charles King Companies (CKC) work on the Inland Empire Brine Line Reach V Rehabilitation and Improvement Project – Phase 1 (Project). After termination, SAWPA contracted with Weka, Inc. to repair and place into service segments 1 through 16 (Reach 1 of the project) including removal of about 3,400 feet of deficient liner and PVC pipe, repair deficiencies from CKC's original construction and replace with new C905 DR 18 pipe. The removal and replacement work is anticipated to be complete in January 2017.

At the January 3, 2017, meeting staff was requested to review contract actions for completion of the Project. The Project includes rehabilitation of up to 12,800 feet of 24-inch PVC pipe, 9 new maintenance access structures, 3 isolation valves, modifications and replacement of 9 air vacuum release valves and 9 blow-off assemblies and CCTV and laser inspection of 12,800 feet of 24-inch pipe. The purpose of the project is to rehabilitate the pipeline in locations where extensive investigation has revealed poor compaction and over-deflection of the pipe, which led to the pipe failure and catastrophic brine spill on October 18, 2011.

SAWPA staff has received a proposal in the amount of \$12,905,113 to complete the work on the project. SAWPA staff has reviewed the proposal and believes the costs are reasonable.

### Construction Management Services

In October 2014, the Commission authorized a contract with Vali Cooper and Associates (VCA) to provide Construction Management and Inspection Services for the project under the original Contractor. The original project completion under the previous Contractor was anticipated to be completed in March 2016. In January 2016, the Commission approved a change order with Vali Cooper to include the Construction Management and Inspection services through November 2016 due to original contractor

delays. The professional services of a construction management firm continues to be necessary through project completion in early 2018. At this time, it is necessary to authorize Vali Cooper to provide Construction Management and Inspection Services for the work remaining on the project. The attached scope of work and fee from Vali Cooper is for Construction Management and Inspection Services for the project.

### **Engineering Support Services during Construction**

In September 2013, the Commission approved a Task Order with Dudek for preliminary and final design services for the project. The attached scope of work from Dudek is for engineering support services during construction, including review of contractor's request for information (RFI), review of contractor submittals, technical support, preparation of record drawings and archeological monitoring. As part of the SRF Loan, SAWPA must comply with the recommendations in the cultural resources assessment which include maintaining a qualified biological monitor on-site during all ground disturbing activities. Staff has reviewed the proposal and has determined that it is sufficient to meet the needs of a construction job of this size. Because Dudek prepared the design drawings and specifications, it is desirable for them to provide the services during construction, as they are the most knowledgeable on the content of the drawings and specifications. Bringing a new consultant on board would not be cost effective due to the time associated with bringing the consultant up to speed with the project.

### **CRITICAL SUCCESS FACTORS**

1. Minimize disruptions to customers.
2. Maintain sufficient funding and reserves for current and future Capital and O&M costs through stable, predictable, and affordable rates and charges.
3. Protect and preserve and the useful life of Brine Line assets through strategic maintenance, repair, and capital improvements.
4. Operate the Brine Line to: (1) protect the OCSD treatment plant and the environment from non-compliant dischargers, and (2) eliminate any uncontrolled pipeline releases.

### **RESOURCE IMPACTS**

The Project is being funded by the Brine Line Reserve, and is supported by an SRF loan for part of the project cost. SAWPA intends to hold the contractor and the performance bond surety responsible for completing the project within the original bid price.

#### Attachments

1. Task Order No. VALI326-04
2. Task Order No. DUDK326-06



**SANTA ANA WATERSHED PROJECT AUTHORITY  
TASK ORDER NO. VALI326-04**

**CONSULTANT:** Vali Cooper & Associates, Inc. **VENDOR NO.** 2034  
1935 Chicago Ave., Unit A  
Riverside, CA 92507

**COST:** \$1,252,400

**PAYMENT:** Upon Proper Invoice

**REQUESTED BY:** David Ruhl, Program Manager **January 3, 2017**

**FINANCE:** \_\_\_\_\_  
Karen Williams, CFO Date

**FINANCING SOURCE:** Acct. Coding 326-Reach-6113-01  
Acct. Description: General Consulting

**COMMISSION AUTHORIZATION REQUIRED:** YES (X) NO ( )  
Ref. Commission Memo #2017,\_\_\_

This Task Order is issued by the Santa Ana Watershed Project Authority (hereafter "SAWPA") to **Vali Cooper & Associates, Inc.** (hereafter "Consultant") pursuant to the Agreement between SAWPA and Consultant entitled *Agreement for Services*, dated 6-17-2014 (*expires 12-31-2018*).

**I. PROJECT NAME OR DESCRIPTION**

Inland Empire Brine Line Reach V Rehabilitation Project - Phase 1, Tasks 3 and 4 – Construction Management and Inspection Services

**II. SCOPE OF WORK / TASKS TO BE PERFORMED**

Consultant shall provide all labor, materials and equipment for the Project to perform the specific tasks of construction management and inspection services for the Inland Empire Brine Line Reach V Rehabilitation Project, Phase 1, Tasks 3 and 4, as thoroughly outlined in the Scope of Work, Attachment A.

*Please refer to Appendix X for acceptable formats*

**III. PERFORMANCE TIME FRAME**

Consultant shall begin work within five days of the date this Task Order is signed by the Authorized Officer and shall complete performance of such services by or before **June 30, 2018**.

**IV. SAWPA LIAISON**

David Ruhl shall serve as liaison between SAWPA and Consultant.

**V. COMPENSATION**

For all services rendered by Consultant pursuant to this Task Order, Consultant shall receive a total not-to-exceed sum of **\$1,252,400** in accordance with the Construction Management Cost of Services Worksheet (Attachment B). Payment for such services shall be made monthly upon receipt of timely and proper invoices from Consultant, as required by the above-mentioned Agreement. Each such invoice shall be provided to SAWPA by Consultant within 15 days after the end of the month in which the services were performed.

**VI. CONTRACT DOCUMENTS PRECEDENCE**

In the event of a conflict in terms between and among the contract documents herein, the document item highest in precedence shall control. The precedence shall be:

- a. The Agreement for Services by Independent Consultant/Contractor.
- b. The Task Order or Orders issued pursuant to the Agreement, in numerical order.
- c. Exhibits attached to each Task Order, which may describe, among other things, the Scope of Work and compensation therefore.
- d. Specifications incorporated by reference.
- e. Drawings incorporated by reference.

**In witness whereof**, the parties have executed this Task Order on the date indicated below.

**SANTA ANA WATERSHED PROJECT AUTHORITY**

\_\_\_\_\_ Date  
Celeste Cantú, General Manager

**VALI COOPER & ASSOCIATES, INC.**

\_\_\_\_\_ Date  
*(Signature)*

\_\_\_\_\_ Print /Type Name



**Vali Cooper & Associates, Inc.**

December 16, 2016

David Ruhl, PE  
Santa Ana Watershed Project Authority  
11615 Sterling  
Avenue Riverside, California 92503

Subject: Inland Empire Brine Line Reach V Rehabilitation Project – Task 3 and 4  
Construction Management and Inspection Services

Dear Mr. Ruhl,

Vali Cooper & Associates (VC&A) is pleased to provide you the attached **Scope of Services** and **Fee Schedule** for Task 3 and 4 of the Inland Empire Brine Line Reach V Rehabilitation Project (Reach V Project) for removal of the Bypass Reach 1 bypass piping and completion of the project within Bypass Reaches 2 and 3. With the initiation of these additional tasks for Reach V, VC&A has prepared the attached documents reflecting the scope of services for the contract activities and to provide construction management and inspection services through the duration of the contract.

Should you have any questions, please do not hesitate to call me. We look forward to working with you and successfully completing this project.

Sincerely,  
**Vali Cooper & Associates**

A handwritten signature in blue ink, appearing to read 'ED', is placed below the typed name of the sender.

Edward Durazo, CPM, QSP  
Senior Vice President



# Vali Cooper & Associates, Inc.

## Scope of Work

Vali Cooper & Associates will be responsible for providing construction management services throughout the duration of the Project. The scope of work will include, but not be limited to the following tasks:

### ***Task 1 – Preconstruction Services***

1.1 VC&A shall review the construction plans and specifications for potential conflicts, errors, ambiguity or discrepancies within the Contract Documents or between the Contract Documents. The Consultant shall submit written comments to SAWPA immediately, or within five (5) days upon notice to proceed with Construction Management Services.

1.2 VC&A shall prepare an agenda, distribute notices and shall conduct a preconstruction conference for the Project. The Consultant's Project Manager and Inspector(s) shall attend the preconstruction conferences. The Consultant shall prepare minutes and distribute copies to the attendees, SAWPA and other stakeholders as identified by SAWPA within 48 hours.

### ***Task 2 – Construction Services – Field***

2.1 VC&A shall provide inspection for the project to include review and inspection of Contractor's work for compliance with Contract Documents, review of Contractor's compliance with all permits and mitigation measures. Consultant shall provide personnel with the training required to perform duties (safety, confined space entry, etc.). NASSCO Certification and experience with CIPP is required for inspection of CIPP installation, CCTV and line cleaning.

2.2 VC&A shall monitor contractor's activities related to advance notification of property owners, coordination with permit agencies (including but not limited to City of Corona and Riverside County Transportation), permit compliance review, coordination with SAWPA, EMWD, WMWD, EVMWD, coordination with utility companies and consideration of upstream Brine Line dischargers.

2.3 VC&A shall notify SAWPA promptly of any actual or proposed contractor deviations from the contract requirements and provide written recommendations for review by SAWPA and the Engineer when applicable.

2.4 VC&A shall notify the Contractor and SAWPA immediately of any spills from the Brine Line or any other anomaly. Consultant shall document all spills from the Brine Line and provide documentation to SAWPA within 2 days of the Brine Line spill.

2.5 VC&A shall prepare daily construction reports and other necessary documentation, detailing the contractor's operations performed for each day the contractor is on-site. Include photos in daily reports and provide video if necessary. A copy of the Inspectors Daily Report and photos shall be available to SAWPA within five (5) days from the date of the report through either a web based document management system or email. Daily reports shall be consistent with industry standards and at a





# Vali Cooper & Associates, Inc.

minimum include the following: Date, Contractor's name, time of inspection, Inspector's name, arrival and departure from site.

2.5.1. 2.5.2 General site and weather conditions

2.5.3 Hours of work

2.5.4 Activities (including details of each activity)

2.5.5 Difficulties encountered by Inspector or Contractor

2.5.6 Number and work classification of Contractor Personnel on site

2.5.7 Equipment on site including equipment numbers and descriptions sufficiently detailed to obtain independent rental rates for equivalent equipment.

2.5.8 Time periods of equipment being used

2.5.9 Idle or inoperable equipment

2.5.10 Materials and equipment deliveries to the site (including type, quantity, how delivered and a statement on the condition of the deliveries).

2.5.11 Quantities of materials installed

2.5.12 Safety concerns. The corrective action proposed by the Contractor, the person told of the concern, the suggested time frame for correction, the person scheduled to make the correction and the emergency precaution taken until correction could be made

2.5.13 Description of accidents. A separate accident report is to be filled out and signed by the Contractor for each accident and included with the daily report

2.5.14 By-pass system status

2.5.15 Tests, time, duration and location of tests, and results

2.5.16 Names and employer of any visitors to the site, and time and duration of visit.

2.6 VC&A will provide a short descriptive daily email to SAWPA Project Manager to include a brief summary, in bullet point format, of the contractor's prior day completed activities/proposed activities for the next day.

2.7 VC&A will provide digital photos in JPEG format during the course of construction. Photos shall have the date and time stamp on the photo. Photos shall be provided every two weeks to SAWPA by either CD/DVD or web based data management system.

### ***Task 3 – Construction Services – Office***



# Vali Cooper & Associates, Inc.

**3.1 VC&A will provide records management for the project. Maintain a web- based document management system (DMS). All project documents shall be uploaded to the document management system as soon as possible but no later than fourteen (14) calendar days of the date of the document. The web-based DMS shall be accessible to SAWPA and the Engineer at all times. All project documents shall be delivered to SAWPA at the completion of the project in electronic format.**

**3.2 Weekly progress meetings with Contractor. Schedule and lead weekly meetings with the Contractor including preparing agenda, meeting minutes, and distributing copies of minutes to attendees and SAWPA. Agenda and meeting minutes shall be distributed no later than the day prior the progress meeting during Contractor work hours. Consultant shall track outstanding issues on a weekly basis and post the current list to the DMS. The Inspector shall be present. A Submittal log and RFI log shall be updated weekly and provided at each progress meeting and maintained in the DMS.**

**3.3 Weekly Coordination meetings with SAWPA. Schedule and lead weekly meetings with SAWPA, preferably prior to or after the weekly progress meetings with the Contractor. Agenda shall include progress report on Contractor activities, status of contractor schedule, submittals and RFI's, change orders and potential claims. Provide status of Consultants contract and budget and potential impacts to the schedule and budget. Consultant shall prepare and track a list of action items from the meetings. The Engineer and other stakeholders may participate in the meetings.**

**3.4 Monthly Progress Payments: Review and forward with comments or approve Contractor payment requests within the period allowed by the Contract Documents. Forward to SAWPA for review and payment. Respond to comments from SAWPA or return to Contractor to incorporate comments and resubmit for review/approval.**

**3.5 VC&A shall assist SAWPA in the preparation and submittal of reports to the SWRCB as part of the reporting requirements of the SRF Project Finance Agreement, see Section 11 – Available Documents.**

**Quarterly Reports. Consultant shall submit to SAWPA quarterly reports on the status of the project. At a minimum the reports will contain the following information:**

- A summary of progress to date including a description of progress since the last report, percent construction complete, percent contractor invoiced, and percent schedule elapsed;
- A description of compliance with environmental requirements;
- A listing of change orders including amount, description of work, and change in contract amount and schedule;
- Any problems encountered, proposed resolution, schedule for resolution, and status of previous problem resolutions.

**Federal Disadvantaged Business Enterprise (DBE) Reporting. Consultant shall obtain DBE utilization report from the Contractor, review and forward to SAWPA which will forward to the Division on the DBE Utilization Report, State Water Board (Form DBE UR334). DBE reporting must be submitted to SAWPA**



# Vali Cooper & Associates, Inc.

semiannually within five (5) calendar days following April 1 and October 1 until such time as the "Notice of Completion" is issued.

## 3.6 Shop Drawings, Submittals and RFIs:

3.6.1 Shop Drawings: Coordinate review process for shop drawings, traffic control plans, test reports, and other data submitted by the contractor for compliance with the information required by the Contract Documents. Submittals to be transmitted to the Engineer for their review, comment and/or approval, with an e-mail copy to SAWPA. Submittals shall be tracked and logged. Email copies of Engineers/CM submittal comments to SAWPA for their information and review. Submittals shall not be returned to the Contractor until SAWPA has reviewed and responded with either comments or "no comment". VC&A shall budget for 50 submittals total.

3.6.2 Request for Information (RFI). Review and respond to RFI's. Transmit design related RFI's to the Engineer to obtain input, with an e-mail copy to SAWPA. RFI's shall be tracked and logged. Email copies of RFI's to SAWPA for their information and review. RFIs shall not be returned to the Contractor until SAWPA has reviewed and responded with either comments or "no comment". Consultant shall budget for 15 RFI's total.

3.6.3 RFI's and Submittals shall be reviewed within the time specified in the Contract Documents.

## 3.7 Proposals and Changes

3.7.1 When extra work is deemed necessary by SAWPA, VC&A will prepare a Request for Proposal to the Contractor describing the proposed changes in detail. All proposed drawings and specification changes shall be prepared by the Engineer, and forwarded to the Contractor by the Consultant. VC&A will budget for three (3) RFPs. RFPs shall be prepared within 24 – 48 hours of request depending on the complexity.

3.7.2 Review proposals from Contractor for contractual and technical merit, negotiate with the Contractor, and provide recommendation to SAWPA with documentation for reasoning.

3.7.3 Prepare Field Change Order documentation to be included with Field Change Order. SAWPA will prepare Field Change Order.

3.7.4 Review Contractor's request for changes for contractual and technical merit, assist SAWPA in negotiating with Contractor, and provide recommendation to SAWPA with documentation for reasoning.

3.7.5 Prepare change order documentation to be included with Change Order. SAWPA will prepare Change Order. Consultant shall budget for a total of 20 change order items. Change order items may be grouped into one single Change Order, e.g., Changer Order 1 may include change order items 1 – 20.

## 3.8 Disputes between Contractor and SAWPA



# Vali Cooper & Associates, Inc.

3.9 VC&A will provide written recommendations concerning disputes between Contractor and SAWPA relating to the acceptability of the work, or interpretation of the requirements of the Contract Documents pertaining to the furnishing and installing of the work. VC&A shall assist and support SAWPA in analyzing, responding, negotiating, and resolving any disputes. VC&A shall budget for four (4) disputed items.

3.10 Provide Office Space – VC&A shall provide office space during construction. Office space provided shall accommodate CM staff as appropriate, temporary work space for the Engineer and a meeting room space appropriate for weekly progress meetings with the Contractor and SAWPA.

### 3.11 Miscellaneous

Perform tasks as defined in the contract documents or as required for a complete and successful project.

### ***Task 4 – Project Closeout***

#### 4.1 Operations and Maintenance Manuals

VC&A will receive from Contractor operation and maintenance manuals, warranties and guarantees for materials and equipment installed on the project. VC&A shall review these submittals for conformance with the Contract requirements and shall forward to the Engineer and SAWPA for review.

#### 4.2 Substantial Completion

In coordination with SAWPA, VC&A shall determine when the Contractor's work is substantially complete. Upon substantial completion of work, the Construction Manager shall coordinate with SAWPA, Engineer, the City of Corona and Riverside County to conduct a final walk through and develop a comprehensive punch list of items to be completed. This shall be issued with the Certificate of Substantial Completion, which shall be issued by the Construction Manager.

#### 4.3 Final Completion

In coordination with SAWPA, the Consultant shall determine when the work is completed, and shall issue a Certificate of Final Completion. VC&A shall provide a written recommendation to SAWPA regarding final payment to the Contractor. SAWPA will prepare and file a Notice of Completion. Verify required certificates and O&M manuals have been submitted, all permit conditions are completed, and all work required by the Contract is complete. Verify required training is complete.

#### 4.4 Record Drawings.

Collect and review Contractor red-line drawings for compliance with the contract documents at least monthly and at the end of the project. VC&A shall ensure that Contractor's red-line drawings include all RFIs, Field Directives, Change Order modifications, and shop drawing revisions at least on a monthly basis. In order to monitor Contractor's drawings, VC&A will generate and maintain an independent set of record drawings that incorporate all RFIs, Field Directives, Change Order modifications and



# **Vali Cooper & Associates, Inc.**

documented changes to the Contract Documents. Upon acceptance of the Contractor's red-line drawings, we will submit red-line drawings to the Engineer with a copy to SAWPA for preparation of the Project's Record Drawings. Review record drawings prepared by Engineer and submit to SAWPA.

# ATTACHMENT B

VALI COOPER & ASSOCIATES, INC.  
 SAWPA - Brine Line Reach V Rehabilitation and Improvements Project  
 Project Schedule -  
 December 19, 2016  
 Construction Management Cost of Services Worksheet

Project Schedule	Task 1 and 2				Task 3				Task 4				2018														
	2016			2017												2018											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Calendar days	31	30	31	31	28	31	30	31	30	31	31	30	31	30	31	31	28	31	30	31	30	31	30	31	30	31	31
Work days	21	20	21	21	20	23	20	22	22	20	23	20	22	20	20	22	20	22	21	22	21	21	23	19	23	20	20
Preconstruction - Bidability - PreCon Meeting																											
Construction Phase- Task 1, 2, 3 and 4																											
Closeout																											

Estimated Fees-			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals	
Position	Name	Rate																													
Project/Contract Manager	Edward Durazo	\$210.00				40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40									640	\$134,400
Construction Manager	Michael Yepiz	\$185.00				160	160	160	160	160	160	160	160	160	160	160	160	160	160	160									2,560	\$473,600	
Office Engineer	Jennifer Saldivar	\$125.00				120	120	120	120	120	120	120	120	120	120	120	120	120	120	120									1,920	\$240,000	
Additional Inspection	Thomas Michael	\$140.00				160	120	120	120	160	160	160	160	160	120	120	120	120	80										2,040	\$285,600	
Construction - Claims	CPM Partners - Dave Seevers	\$225.00				24	24	24	24	24	24	24	24	24	24	24	24	24										336	\$75,600		
Office		\$2,400.00																										18	\$43,200		
																												\$1,252,400			

ASSUMPTIONS

- \*\* Amendment includes remaining budget from prior contract.
- \*\* Also includes 2.0 months for Project Closeout
- \* Weekly meetings, special meetings and letter preparation/review
- \* Based on full time CM efforts. This may change during progress if permissible.
- \* Based on 3/4 time efforts for document support as well as closeout
- \* Hours estimated based on Contractor completing tasks 1, 2, 3 and 4 in a linear fashion
- \* Based on supporting the efforts for potential claims, document review and project closeout
- \* Budget does not include preparation for arbitration or extended claims negotiations



**SANTA ANA WATERSHED PROJECT AUTHORITY  
TASK ORDER NO. DUDK326-06**

**CONSULTANT:** Dudek **VENDOR NO.** 1969  
605 Third Street  
Encinitas, CA 92024

**COST:** \$134,900

**PAYMENT:** Upon Proper Invoice

**REQUESTED BY:** David Ruhl, Program Manager January 3, 2017

**FINANCE:** \_\_\_\_\_  
Karen Williams, CFO Date

**FINANCING SOURCE:** Acct. Coding 326-Reach-60149  
Acct. Description General Consulting

**COMMISSION AUTHORIZATION REQUIRED FOR THIS TASK:** YES (X) NO ( )  
Ref. Commission Memo #2017.\_\_\_\_

This Task Order is issued by the Santa Ana Watershed Project Authority (hereafter "SAWPA") to **Dudek** (hereafter "Consultant") pursuant to the Agreement between SAWPA and Consultant entitled *Agreement for Services*, dated November 28, 2012, and Amendment No. 1, dated January 1, 2017 (*expires 12-31-20*).

**I. PROJECT NAME OR DESCRIPTION**

Inland Empire Brine Line Reach V Rehabilitation Project – Phase 1, Tasks 3 and 4  
Construction Assistance Scope and Fee

**II. SCOPE OF WORK / TASKS TO BE PERFORMED**

Consultant shall provide all labor, materials, and equipment for the project of Engineering Services during construction for the Brine Line Reach V Rehabilitation Project, Phase 1, Tasks 3 and 4 (Reach V Project). The Consultant shall provide the attached scope of services (Attachment A) relative to the ongoing engineering services during construction.

*Please refer to Appendix X for acceptable formats*

**III. PERFORMANCE TIME FRAME**

Consultant shall begin work within five days of the date that this Task Order is signed by the Authorized Officer, and shall complete performance of such services by **June 30, 2018**.

**IV. SAWPA LIAISON**

David Ruhl and/or Rich Haller shall serve as liaison between SAWPA and Consultant

**V. COMPENSATION**

For the services rendered by Consultant pursuant to this Task Order, Consultant shall receive a total **not-to-exceed sum of \$134,900**, per the attached Labor and Fee Proposal. Payment for such services shall be made within 30 days upon receipt of timely and proper invoices from the Consultant, as required by the above-mentioned Agreement. Consultant shall provide to SAWPA each such invoice within 15 days after the end of the month in which the services were performed.





**DUDEK**

CORPORATE OFFICE  
605 THIRD STREET  
ENCINITAS, CALIFORNIA 92024  
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 14, 2016

7616

David Ruhl, PE  
Santa Ana Watershed Project Authority  
11615 Sterling Avenue  
Riverside, California 92503

**Subject: *Inland Empire Brine Line Reach V Rehabilitation Project – Task 3 and 4  
Construction Assistance Scope & Fee***

Dear Mr. Ruhl,

The Santa Ana Watershed Project Authority (SAWPA) has initiated a change order with the Contractor for Task 3 and 4 of the Inland Empire Brine Line Reach V Rehabilitation Project (Reach V Project) for removal of the Bypass Reach 1 bypass piping and completion of the project within Bypass Reaches 2 and 3. The Reach V Project will continue to require close coordination between the Construction Management team and the design consultant to address specific design related questions and other project implementation challenges. To that end, SAWPA requested that Dudek provide the attached proposed scope of services and fee relative to ongoing construction assistance with Task 3 and 4 construction assistance.

We are pleased to continue supporting SAWPA with this project. If you have any questions, or require any additional information, please do not hesitate to call me at 760.479.4111, or email me at [mmetts@dudek.com](mailto:mmetts@dudek.com).

Respectfully Submitted,

**DUDEK**



D. Michael Metts, P.E.  
Principal, Engineering Services Manager

## SCOPE OF SERVICES

**TASK 3 AND 4 SERVICES DURING CONSTRUCTION (SDC).** Dudek proposes to provide the following office construction services to SAWPA during the Task 4 construction period.

### **SDC-1: Project Management**

This task includes managing our portion of the construction effort, project status tracking, staff scheduling, budget management, client updates, and other general activities related to overall management activities.

### **SDC-2: Pre-Construction Meeting**

The Dudek Project Manager and Lead Project Engineer will attend one Pre-Construction Meeting, which is assumed to occur at the SAWPA office. The meeting is presumed to be conducted by the SAWPA Construction Manager. The meeting is assumed to be a maximum of two hours, not including travel time.

### **SDC-3: RFIs and Design Clarifications**

Dudek will develop responses to Requests for Information (RFI's) and other design clarifications. RFI's from the Contractor will be formally submitted to the SAWPA Construction Manager (CM). Questions requiring responses from the design team will be forwarded to the Dudek Project Manager for distribution and response. For the purposes of this proposal, a total of 30 RFIs and other design clarifications are assumed.

### **SDC-4: Shop Drawing and Submittal Reviews**

Dudek will review shop drawings and other submittals that are not otherwise addressed by the SAWPA Construction Manager. Submittals will be forwarded to the Dudek Project Manager for distribution and review by the appropriate engineer. For the purposes of this proposal, a total of 50 shop drawings and other submittals are assumed.

### **SDC-5: General Meetings**

Dudek will attend a total of ten (10) general meetings at the SAWPA office to discuss construction issues with SAWPA staff and the Construction Manager. The Dudek project manager will attend each of these meetings with the appropriate additional team members based on the key issues being discussed. Meetings are assumed to be a maximum of two hours, not including travel time.

### **SDC-6: Progress Meetings**

Dudek will attend a total of twenty (20) progress meetings with SAWPA, the Construction Manager and Contractor, as requested by SAWPA staff. The Dudek project manager will attend each of these meetings with the appropriate team members based on the key issues being discussed. Meetings are assumed to be a maximum of two hours, not including travel time.

### **SDC-7: Change Order Assistance**

Dudek will assist SAWPA with preparation and review of Contractor Change Orders, as requested. It is assumed that the SAWPA Construction Manager will prepare and review construction change orders, and Dudek will assist, as necessary and requested. As the extent and nature of potential change orders are undefined at this time, an allowance is assumed for this contract item. Services will be provided at SAWPA direction within the available allowance.

**SDC-8: Design Deviations**

Dudek will assist SAWPA with evaluation of Contractor-proposed design deviations and substitutions, as requested to support the activities of the SAWPA Construction Manager. Dudek will evaluate the proposed design changes relative to consistency with the original design intention and capability. As the extent and nature of any Contractor-proposed design deviations are undefined at this time, an allowance is assumed for this contract item. Services will be provided at SAWPA direction within the available allowance.

**SDC-9: Pipeline Inspection Information Review**

Dudek will assist SAWPA and the Construction Manager with review and recommendations associated with videotape and laser profiling inspection of the Brine Line facilities. For the purposes of this proposal, we have assumed that our engineers will be on-site during video and laser inspection of the brine line. Data will be provided to Dudek as inspections are completed for each pipe segment. Dudek will review the collected data and make recommendations within a two-day period relative to pipeline condition, rehabilitation and/or lining operations. Dudek will document the resulting recommendations and return those recommendations to SAWPA and the CM for implementation. For the purposes of this proposal, Dudek has assumed that a total of 12,800 feet of inspections will be completed, including video and laser inspections.

**SDC-10: Site Visits**

Dudek will attend site visits at SAWPA request to observe specific conditions or situations for which design engineer input would facilitate developing an appropriate response to the Contractor. We have assumed a total of twelve (12) site visits, by one or more members of team.

**SDC-11: Punch List**

Dudek will assist the SAWPA CM with punch list resolution. This task entails one or more members of the Dudek Team joining SAWPA and/or CM staff on walk-throughs to confirm that the work was constructed per the design documents, and if not, what could be done to resolve observed deficiencies. As the extent and nature of the Punch List is undefined at this time, an allowance is assumed for this contract item. Services will be provided at SAWPA direction within the available allowance.

**SDC-12: Record Drawings**

Dudek will provide assistance to SAWPA for preparation of record drawings. We have assumed the AutoCAD files will be modified to reflect as-constructed conditions per the SAWPA CM and Contractor field-maintained redline markups. For the purposes of this proposal, an allowance is assumed for this contract item. Services will be provided at SAWPA direction within the available allowance.

**SDC-13: Archeological Monitoring**

Dudek will provide assistance to SAWPA for monitoring of excavations for the project. For the purposes of this proposal, we have assumed the archeological monitor will be present for 30 excavations for 4 hours per excavation, with a Principal Archeologist reviewing the work for 24 hours.

**SANTA ANA WATERSHED PROJECT AUTHORITY  
INLAND EMPIRE BRINE LINE REACH V REHABILITATION AND IMPROVEMENT PROJECT - TASK 3 AND 4  
PROPOSAL FOR ENGINEERING SERVICES DURING CONSTRUCTION**

**LABOR & FEE PROPOSAL**

**DUDEK**

December 2016

**DUDEK ENGINEERING LABOR**

TASK DESCRIPTION	Staff Assignment :		DUDEK ENGINEERING LABOR					TOTAL HRS	FEE	
	Direct Labor Rate :		PM/QA \$225	SE \$195	PE \$155	CADD \$125	ADMIN \$80			ARCH MON. \$75
<b>TASK 4 CONSTRUCTION SERVICES</b>										
Task SDC-1: Project Management .....	16	8		8					32	\$ 6,400
Task SDC-2: Pre-Construction Meeting .....	4	4							8	\$ 1,680
Task SDC-3: RFIs & Design Clarifications (assume 30) .....	16	8		32	4				60	\$ 10,620
Task SDC-4: Shop Drawing & Submittal Reviews (assume 50) ..	24	16		50	8				98	\$ 17,270
Task SDC-5: General Meetings (assume 10) .....	16	8		16					40	\$ 7,640
Task SDC-6: Progress Meetings (assume 20) .....	32	16		32					80	\$ 15,280
Task SDC-7: Change Order Assistance .....	8	4		8	8				28	\$ 4,820
Task SDC-8: Design Deviations .....	8	4		8	8				28	\$ 4,820
Task SDC-9: Pipeline Inspection Information Review .....	40	40		80					160	\$ 29,200
Task SDC-10: Site Visits (assume 12) .....	24	8		24					56	\$ 10,680
Task SDC-11: Punch List .....	4	4		4					12	\$ 2,300
Task SDC-12: Record Drawings .....	2			8	60				70	\$ 9,190
Task SDC-13: Archeological Monitoring .....							120	24	144	\$ 12,000
<i>Labor Subtotal:</i>	194	120		270	88	0	120	24	816	\$ 131,900
<b>TOTAL OTHER DIRECT COSTS</b> (printing, reproduction, delivery, local travel, etc) .....									N/A	\$ 3,000
<b>TOTAL PROPOSED ENGINEERING EFFORT</b> .....	194	120		270	88	0	120	24	816	\$ 134,900

NOTES: