

PA 24 COMMITTEE MEMORANDUM NO. 2020.18

DATE: August 4, 2020

TO: Project Agreement 24 Committee
(Inland Empire Brine Line)

SUBJECT: Inland Empire Brine Line Rehabilitation/Protection Projects
Construction Management and Inspection Services

PREPARED BY: David Ruhl, Engineering Manager

RECOMMENDATION

That the Project Agreement 24 Committee authorize the General Manager to execute a General Services Agreement and Task Order No. TRC320-01 in an amount not-to-exceed \$162,118 with TRC, to provide Construction Management and Inspection Services for the Inland Empire Brine Line Rehabilitation/Protection Projects.

DISCUSSION

The professional services of a Construction Management firm is necessary to oversee construction activities, and provide inspection to ensure both the Euclid Avenue (Reach IVA and Reach IVD) Maintenance Access Structure Rehabilitation Project and the Lower Reach IV-B and CRC Lateral Utility Protection Project are installed according to the plans and specifications prepared by the design engineers.

Staff requested TRC (formerly Vali Cooper and Associates) to prepare a scope of work and budget to provide construction management and inspection services. TRC has provided CM and Inspections services for SAWPA on two previous construction projects (as Vali Cooper and Associates). Their knowledge and experience were invaluable in the completion of the projects. Due to TRC's previous work with SAWPA they have extensive knowledge of the Brine Line and content of the specifications. By utilizing staff from the previous project TRC will provide the most efficient and knowledgeable staff. Due to the complexity of the Lower Reach IV-B Utility Projection Project (continuous by-pass of Reach IV-B flows, fusion of large diameter HDPE pipe, dewatering within Prado inundation area and installation of watertight HDPE tees) TRC's experience and qualification will provide the most benefit to SAWPA. A similar by-pass technical specification and the same watertight HDPE tees were utilized on the previous projects inspected by TRC. SAWPA staff will also realize some efficiency due to the utilization of the same web-based document management system. Bringing a new CM firm on board would not be cost effective due to the time associated with bringing the firm up to speed with the specifications and duplication of certain work activities between SAWPA's recent projects.

SAWPA staff has reviewed the attached scope of work and budget and has determined that it is sufficient to meet the needs of both construction projects.

RESOURCE IMPACTS

Funds are available in the FY21 Budget, Fund 320 to cover the construction management and inspection costs.

Attachments:

1. PowerPoint Presentation
2. General Services Agreement
3. Task Order
4. Scope of Work
5. Fee Schedule

Inland Empire Brine Line Rehabilitation/Protection Projects – Construction Management and Inspection Services

David Ruhl, Engineering Manager

Project Agreement 24 Committee | August 4, 2020

Item No. 5.E.

Construction Management (CM) and Inspection Services

- Recommendation

- Authorize the GM to execute a General Services Agreement and Task Order No. TRC320-01 in an amount not-to-exceed \$162,118 with TRC, to provide Construction Management and Inspection Services for the Inland Empire Brine Line Rehabilitation/Protection Projects.

CM and Inspection Services

- **Oversee Construction Activities**
- **Provide Inspection Services**
- **Ensure Project is installed per the plans and specifications**
- **TRC**
 - Knowledgeable on the brine line, specifications
 - Complex Project – HDPE Tee fused watertight MAS structures, 5 – 8 MGD by-pass system, 2- 10 feet dewatering, deep excavation
 - Similar by-pass technical specifications and HDPE Tees on previous SAWPA project
 - Efficient and cost effective use of staff
 - Utilize document management system familiar to SAWPA staff
- **Fee \$163,048 (includes 5% contingency)**

Construction Management (CM) and Inspection Services

- Recommendation

- Authorize the GM to execute a General Services Agreement and Task Order No. TRC320-01 in an amount not-to-exceed \$162,118 with TRC, to provide Construction Management and Inspection Services for the Inland Empire Brine Line Rehabilitation/Protection Projects.

QUESTIONS?



SANTA ANA WATERSHED PROJECT AUTHORITY
GENERAL SERVICES AGREEMENT FOR SERVICES BY INDEPENDENT CONSULTANT

This Agreement is made this **4th day of August, 2020** by and between the Santa Ana Watershed Project Authority ("SAWPA") located at 11615 Sterling Ave., Riverside, California, 92503 and TRC Engineers, Inc. (TRC) ("Consultant") whose address is 1935 Chicago Avenue, Unit A, Riverside, CA 92507.

RECITALS

This Agreement is entered into on the basis of the following facts, understandings, and intentions of the parties to this Agreement:

- SAWPA desires to engage the professional services of Consultant to perform such professional consulting services as may be assigned, from time to time, by SAWPA in writing;
- Consultant agrees to provide such services pursuant to, and in accordance with, the terms and conditions of this Agreement and has represented and warrants to SAWPA that Consultant possesses the necessary skills, qualifications, personnel, and equipment to provide such services; and
- The services to be performed by Consultant shall be specifically described in one or more written Task Orders issued by SAWPA to Consultant pursuant to this Agreement.

AGREEMENT

Now, therefore, in consideration of the foregoing Recitals and mutual covenants contained herein, SAWPA and Consultant agree to the following:

ARTICLE I

TERM OF AGREEMENT

1.01 This agreement shall become effective on the date first above written and shall continue until **December 31, 2023**, unless extended or sooner terminated as provided for herein.

ARTICLE II

SERVICES TO BE PERFORMED

2.1 Consultant agrees to provide such professional consulting services as may be assigned, from time to time, in writing by the Commission and the General Manager of SAWPA. Each assignment shall be made in the form of a written Task Order. Each such Task Order shall include, but shall not be limited to, a description of the nature and scope of the services to be performed by Consultant, the amount of compensation to be paid, and the expected time of completion.

2.2 Consultant may at Consultant's sole cost and expense, employ such competent and qualified independent professional associates, subcontractors, and consultants as Consultant deems necessary to perform each assignment; provided that Consultant shall not subcontract any work to be performed without the prior written consent of SAWPA.

ARTICLE III

COMPENSATION

3.1 In consideration for the services to be performed by Consultant, SAWPA agrees to pay Consultant as provided for in each Task Order.

3.2 Each Task Order shall specify a total not-to-exceed sum of money and shall be based upon the regular hourly rates customarily charged by Consultant to its clients.

3.3 Consultant shall not be compensated for any services rendered nor reimbursed for any expenses incurred in excess of those authorized in any Task Order unless approved in advance by the Commission and General Manager of SAWPA, in writing.

3.4 Unless otherwise provided for in any Task Order issued pursuant to this Agreement, payment of compensation earned shall be made in monthly installments after receipt from Consultant of a timely, detailed, corrected, written invoice by SAWPA's Project Manager, describing, without limitation, the services performed, when such services were performed, the time spent performing such services, the hourly rate charged therefore, and the identity of individuals performing such services for the benefit of SAWPA. Such invoices shall also include a detailed itemization of expenses incurred. Upon approval by an authorized SAWPA employee, SAWPA will pay within 30 days after receipt of a valid invoice from Consultant.

ARTICLE IV

CONSULTANT OBLIGATIONS

4.1 Consultant agrees to perform all assigned services in accordance with the terms and conditions of this Agreement including those specified in each Task Order. In performing the services required by this Agreement and any related Task Order Consultant shall comply with all local, state and federal laws, rules and regulations. Consultant shall also obtain and pay for any permits required for the services it performs under this Agreement and any related Task Order.

4.2 Except as otherwise provided for in each Task Order, Consultant will supply all personnel and equipment required to perform the assigned services.

4.3 Consultant shall be solely responsible for the health and safety of its employees, agents and subcontractors in performing the services assigned by SAWPA.

4.4 Insurance Coverage: Consultant shall procure and maintain for the duration of this Agreement insurance against claims for injuries or death to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the Consultant, its agents, representatives, employees or sub-contractors.

4.04(a) Coverage - Coverage shall be at least as broad as the following:

- 1. Commercial General Liability (CGL)** - Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 00 01) including products and completed operations, property damage, bodily injury, personal and advertising injury with limit of two million dollars (\$2,000,000) per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (coverage as broad as the ISO CG 25 03, or ISO CG 25 04 endorsement provided to SAWPA) or the general aggregate limit shall be twice the required occurrence limit.
- 2. Automobile Liability** – (if necessary) Insurance Services Office (ISO) Business Auto Coverage (Form CA 00 01), covering Symbol 1 (any auto) or if Consultant has no owned autos, Symbol 8 (hired) and 9 (non-owned) with limit of one million dollars (\$1,000,000) for bodily injury and property damage each accident.
- 3. Workers' Compensation Insurance** - as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of \$1,000,000 per accident for bodily injury or disease.
- 4. Professional Liability** - (Also known as Errors & Omission) Insurance appropriate to the Consultant profession, with limits of \$1,000,000 per claim, and \$2,000,000 policy aggregate.
- 5. Cyber Liability Insurance (Technology Professional Liability – Errors and Omissions)** – If Consultant will be providing technology services, limits not less than \$2,000,000 per occurrence or claim, and \$2,000,000 aggregate. Coverage shall be sufficiently broad to respond to the duties and obligations as is undertaken by Consultant in this Agreement and shall include, but not be limited to, claims involving infringement of intellectual property, including but not limited to infringement of copyright, trademark, trade dress,

invasion of privacy violations, information theft, damage to or destruction of electronic information, release of private information, alteration of electronic information, extortion and network security. The policy shall provide coverage for breach response costs as well as regulatory fines and penalties as well as credit monitoring expenses with limits sufficient to respond to these obligations.

4.04(b) If Claims Made Policies:

1. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
2. Insurance must be maintained and evidence of insurance must be provided **for at least five (5) years after completion of the contract of work.**
3. If coverage is canceled or non-renewed, and not **replaced with another claims-made policy form with a Retroactive Date** prior to the contract effective date, the Consultant must purchase "extended reporting" coverage for a minimum of **five (5) years** after completion of contract work.

4.04(c) Waiver of Subrogation: The insurer(s) named above agree to waive all rights of subrogation against SAWPA, its elected or appointed officers, officials, agents, authorized volunteers and employees for losses paid under the terms of this policy which arise from work performed by the Named Insured for the Agency; but this provision applies regardless of whether or not SAWPA has received a waiver of subrogation from the insurer.

4.04(d) Other Required Provisions - The general liability policy must contain, or be endorsed to contain, the following provisions:

1. **Additional Insured Status:** SAWPA, its directors, officers, employees, and authorized volunteers are to be given insured status (at least as broad as ISO Form CG 20 10 04 13), with respect to liability arising out of work or operations performed by or on behalf of the Consultant including materials, parts, or equipment furnished in connection with such work or operations.
2. **Primary Coverage:** For any claims related to this project, the Consultant's insurance coverage shall be primary at least as broad as ISO CG 20 01 04 13 as respects to SAWPA, its directors, officers, employees and authorized volunteers. Any insurance or self-insurance maintained by the Member Water Agency its directors, officers, employees and authorized volunteers shall be excess of the Consultant's insurance and shall not contribute with it.

4.04(e) Notice of Cancellation: Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to SAWPA.

4.04(f) Self-Insured Retentions - Self-insured retentions must be declared to and approved by SAWPA. SAWPA may require the Consultant to provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or SAWPA.

4.04(g) Acceptability of Insurers - Insurance is to be placed with insurers having a current A.M. Best rating of no less than A: VII or as otherwise approved by SAWPA.

4.04(h) Verification of Coverage – Consultant shall furnish SAWPA with certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause. All certificates and endorsements are to be received and approved by SAWPA before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Consultant's obligation to provide them. SAWPA reserves the right to require redacted Declaration pages and Endorsement pages.

4.04(i) Subcontractors - Consultant shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and Consultant shall ensure that SAWPA, its directors, officers, employees and authorized volunteers are additional insureds on Commercial General Liability Coverage.

4.5 Consultant hereby covenants and agrees that SAWPA, its officers, employees, and agents shall not be liable for any claims, liabilities, penalties, fines or any damage to property, whether real or personal, nor for any personal injury or death caused by, or resulting from, or claimed to have been caused by or resulting from, any negligence, recklessness, or willful misconduct of Consultant. To the extent permitted by law, Consultant shall hold harmless, defend at its own expense, and indemnify SAWPA, its directors, officers, employees, and authorized volunteers, against any and all liability, claims, losses, damages, or expenses, including reasonable attorney's fees and costs, to the extent caused by the negligent or intentional wrongful acts or omissions of Consultant or its officers, agents, or employees in rendering services under this Agreement and any Task Order issued hereunder; excluding, however, such liability, claims, losses, damages or expenses arising from SAWPA's sole negligence or willful acts.

4.6 Notwithstanding anything to the contrary in this agreement, Consultant and SAWPA waive any and all claims against each other for incidental, consequential, special, multiple, and punitive damages arising out of or relating to this Agreement. This waiver includes, but is not limited to, loss of profit, loss of business, loss of income, loss of reputation or any other consequential damage that either Party may incur from any cause of action including negligence, strict liability, contract breach, and strict or implied breach of warranty.

4.7 [Not needed.]

4.8 In the event Consultant is required to prepare plans, drawings, specifications and/or estimates, the same shall be furnished with a registered professional engineer's number and shall conform to local, state and federal laws, rules and regulations. Consultant shall obtain all necessary permits and approvals in connection with this Agreement, any Task Order or Change Order. However, in the event SAWPA is required to obtain such an approval or permit from another governmental entity, Consultant shall provide all necessary supporting documents to be filed with such entity, and shall facilitate the acquisition of such approval or permit as included in the Task Order or Change Order.

4.9 Consultant shall comply with all local, state and federal laws, rules and regulations including those regarding nondiscrimination and the payment of prevailing wages, if required by law.

ARTICLE V

SAWPA OBLIGATIONS

5.01 SAWPA shall:

5.01a Furnish all existing studies, reports and other available data pertinent to each Task Order that are in SAWPA's possession;

5.01b Designate a person to act as liaison between Consultant and the General Manager and Commission of SAWPA.

ARTICLE VI

ADDITIONAL SERVICES, CHANGES AND DELETIONS

6.1 During the term of this Agreement, the Commission of SAWPA may, from time to time and without affecting the validity of this Agreement or any Task Order issued pursuant thereto, order changes, deletions, and additional services by the issuance of written Change Orders authorized and approved by the Commission of SAWPA and the Consultant.

6.2 In the event Consultant performs additional or different services than those described in any Task Order or authorized Change Order without the prior written approval of the Commission of SAWPA, Consultant shall not be compensated for such services.

6.3 Consultant shall promptly advise SAWPA as soon as reasonably practicable upon gaining knowledge of a condition, event, or accumulation of events, which may affect the scope and/or cost of services to be provided pursuant to this Agreement. All proposed changes, modifications, deletions, and/or requests for additional services shall be reduced to writing for review and approval or rejection by the Commission of SAWPA.

6.4 In the event that SAWPA orders services deleted or reduced, compensation shall be deleted or reduced by a comparable amount as determined by SAWPA and Consultant shall only be compensated for services actually performed. In the event additional services are properly authorized, payment for the same shall be made as provided in Article III above.

ARTICLE VII

CONSTRUCTION PROJECTS: CONSULTANT CHANGE ORDERS

7.01 In the event SAWPA authorizes Consultant to perform construction management services for SAWPA, Consultant may determine, in the course of providing such services, that a Change Order should be issued to the construction contractor, or Consultant may receive a request for a Change Order from the construction contractor. Consultant shall, upon receipt of any requested Change Order or upon gaining knowledge of any condition, event, or accumulation of events, which may necessitate issuing a Change Order to the construction contractor, promptly consult with the liaison, General Manager and Commission of SAWPA. No Change Order shall be issued or executed without the prior approval of the Commission of SAWPA.

ARTICLE VIII

TERMINATION OF AGREEMENT

8.1 In the event the time specified for completion of an assigned task in a Task Order exceeds the term of this Agreement, the term of this Agreement shall be automatically extended for such additional time as is necessary to complete such Task Order and thereupon this Agreement shall automatically terminate without further notice.

8.2 Notwithstanding any other provision of this Agreement, SAWPA, at its sole option, may terminate this Agreement at any time by giving 10-day written notice to Consultant, whether or not a Task Order has been issued to Consultant.

8.3 In the event of termination, the payment of monies due Consultant for work performed prior to the effective date of such termination shall be paid after receipt of an invoice as provided in this Agreement.

ARTICLE IX

CONSULTANT STATUS

9.1 Consultant shall perform the services assigned by SAWPA in Consultant's own way as an independent contractor, in pursuit of Consultant's independent calling and not as an employee of SAWPA. Consultant shall be under the control of SAWPA only as to the result to be accomplished and the personnel

assigned to perform services. However, Consultant shall regularly confer with SAWPA's liaison, General Manager, and Commission as provided for in this Agreement.

9.2 Consultant hereby specifically represents to SAWPA that the services to be rendered pursuant to this Agreement shall be performed in accordance with the standards customarily applicable to an experienced and competent professional consulting organization rendering the same or similar services. Furthermore, Consultant represents and warrants that the individual signing this Agreement on behalf of Consultant has the full authority to bind Consultant to this Agreement.

ARTICLE X

AUDIT AND OWNERSHIP OF DOCUMENTS

10.1 All final reports, plans, drawings, specifications, data, notes, and all other documents of any kind or nature prepared or developed by Consultant in connection with the performance of services assigned to it by SAWPA are the sole property of SAWPA upon payment therefor, and Consultant shall promptly deliver all such materials to SAWPA. Consultant may retain copies of the original documents, at its option and expense. Use of such documents by SAWPA for project(s) not the subject of this Agreement shall be at SAWPA's sole risk without legal liability or exposure to Consultant. SAWPA agrees to not release any software "code" without prior written approval from the Consultant.

10.2 Consultant shall retain and maintain, for a period not less than four years following termination of this Agreement, all time records, accounting records, and vouchers and all other records with respect to all matters concerning services performed, compensation paid and expenses reimbursed. At any time during normal business hours and as often as SAWPA may deem necessary, Consultant shall make available to SAWPA's agents for examination of all such records and will permit SAWPA's agents to audit, examine and reproduce such records.

ARTICLE XI

MISCELLANEOUS PROVISIONS

11.1 This Agreement supersedes any and all previous agreements, either oral or written, between the parties hereto with respect to the rendering of services by Consultant for SAWPA and contains all of the covenants and agreements between the parties with respect to the rendering of such services in any manner whatsoever. Any modification of this Agreement will be effective only if it is in writing signed by both parties.

11.2 Consultant shall not assign or otherwise transfer any rights or interest in this Agreement without the prior written consent of SAWPA. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement.

11.3 In the event Consultant is an individual person and dies prior to completion of this Agreement or any Task Order issued hereunder, any monies earned that may be due Consultant from SAWPA as of the date of death will be paid to Consultant's estate.

11.4 Time is a material consideration in the performance of services required hereunder. Notwithstanding the foregoing, in no event will Consultant be responsible for damages or considered in default due to delays beyond Consultant's reasonable control. Extensions of time within which to perform services may be granted by SAWPA if requested by Consultant and agreed to in writing by SAWPA. All such requests must be documented and substantiated and will only be granted as the result of unforeseeable and unavoidable delays not caused by the lack of foresight on the part of Consultant.

11.5 SAWPA expects that Consultant will devote its full energies, interest, abilities and productive time to the performance of its duties and obligations under this Agreement, and shall not engage in any other consulting activity that would interfere with the performance of Consultant's duties under this Agreement or create any conflicts of interest. If required by law, Consultant shall file a Conflict of Interest Statement with SAWPA.

11.6 Any dispute which may arise by and between SAWPA and the Consultant, including the Consultants,



**SANTA ANA WATERSHED PROJECT AUTHORITY
TASK ORDER NO. TRC320-01**

CONSULTANT: TRC Engineers, Inc. (TRC) **VENDOR NO.:**2034
 1935 Chicago Avenue, Unit A
 Riverside, CA 92507

COST: **\$162,118.00**

PAYMENT: Upon Receipt of Proper Invoice

REQUESTED BY: David P. Ruhl, Engineering Manager August 4, 2020

FINANCE: _____
 Karen Williams, Deputy GM/CFO Date

FINANCING SOURCE: Acct. Coding 320-03ABPRA
 Acct. Description Above Prado

COMMISSION AUTHORIZATION REQUIRED FOR THIS TASK ORDER: YES (X) NO ()
 Authorization: August 4, 2020; PA24#2020.18

This Task Order is issued upon approval and acceptance by the Santa Ana Watershed Project Authority (SAWPA) and TRC (Consultant) pursuant to the Agreement for Services between SAWPA and Consultant, entered into on August 4, 2020, expiring December 31, 2023.

I. PROJECT NAME OR DESCRIPTION

Inland Empire Brine Line Rehabilitation/Protection Projects

II. SCOPE OF WORK / TASKS TO BE PERFORMED

Consultant shall provide all labor, materials, and equipment for the services of Construction Management and Inspection Services for the Euclid Avenue (Reach IV-A and IV-D) Maintenance Access Structure Rehabilitation Project and the Lower Reach IV-B and CRC Lateral Utility Protection Project. See attached Scope of Work and Fee Schedule.

III. PERFORMANCE TIME FRAME

Consultant shall begin work August 10, 2020 and shall complete performance of such services by **March 31, 2021**.

IV. SAWPA LIAISON

David P. 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 **\$162,118.00**. 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

Richard E. Haller, P.E., General Manager Date

TRC Engineers, Inc. (TRC)

(Signature) Date

Print/Type Name and Title

July 6th, 2020

Mr. David Ruhl
Santa Ana Watershed Project Authority
11615 Sterling Ave.
Riverside, California 92503

Regarding: TRC Provides Construction Management and Inspection Services for the SAWPA Euclid Ave. Maintenance Access Structure Rehabilitation and IE Brine Line Lower Reach IV-B and C.R.C Lateral Utility Protection Projects

Dear Mr. Ruhl

The TRC Engineers, Inc. (TRC) team is poised, and ready to assist in overseeing, coordinating, administrating, and managing the Euclid Ave. MAS Rehabilitation and IV-B and C.R.C. Lateral Utility Protection projects.

With our history working with SAWPA on the IE Brine Line Reach V Rehabilitation projects, we are honored to have the opportunity to continue building on our relationship with the Authority and look forward to providing services as part of your CIP.

Project Understanding and Scope of Work

Rehabilitation of the Euclid Ave. MAS structures, and the IV-B and C.R.C. Laterals are required in order to maintain SAWPA's distribution system.

Euclid Ave. Maintenance Access Structure Rehabilitation Project

The project will consist of rehabilitation of five MAS structures along Euclid Ave. by repair and or replace of the T-Lock lining, new epoxy coated lids and outlet flanges and new concrete manhole risers with a full removal of MAS 4A – 0180 and installation of a new pipe connection section. We understand that MAS 4D-0030 and 4D-0060 are located within the ACOE right-of-way and also within a protected habitat requiring additional notification and monitoring coordination requirements. Additional coordination will be required with CALTRANS for traffic control along Euclid Ave.

Inland Empire Brine Line Lower Reach IV-B and C.R.C Lateral Utility Protection Project

The project will consist of removal of the 36" HOBAS lined RCP pipe (IV-B) and existing 15" VCP and 16" DIP (C.R.C lateral) and manholes, replaced with approx. 410 LF of 36" HDPE fused pipe , installation of a (3) new 60" MAS structures, and installation of a 18" HDPE pipe and appurtenances. A temporary brine line bypass system will be required in order to complete these improvements. We understand that work within this area of the project will require coordaintion with adjacent contracts as well as coordination with the ACOE and the City of Corona.

TRC has assembled a team of professionals who are well seasoned in trenchless technology pipeline installation methods and manway access structure construction. Having complete these almost exact activities for SAWPA on previous projects, the TRC team is well versed in your standards and coordinating with engineering and operations personnel. Below is a breakdown of responsibilities for each position outlined in this proposal. Resumes for each of these individuals is also attached.

Construction Manager:

- Review plans and specifications for submittal and contract compliance requirements
- Review and coordinate responses to submittals and RFI's with the Design Engineer

- Review and process change order requests, contract change orders and progress payments
- Prepare and conduct weekly construction progress meeting agendas and minutes
- Review contractor schedule of activities
- Coordinate specialty inspection efforts
- Coordinate and facilitate resolution of site conflicts for efficient resolution as to not affect contractor progress
- Coordinate construction activities with project stakeholders (City of Corona, ACOE and Caltrans)
- Act as SAWPA staff extension and perform any necessary tasks as outlined by SAWPA

Field Inspection:

- Provide inspection of field activities, confirming installation per the approved plans, SAWPA standards and applicable project communication (RFI's, Submittals, CCO's, etc.)
- Provide written daily report of activities, including equipment and manpower tracking, incident and installed quantity reporting
- Provide daily photo documentation of construction progress
- Prepare field as-built drawings
- Act as SAWPA staff extension and perform any necessary tasks as outlined by SAWPA

Fee Proposal

TRC's proposed hours are estimated for the anticipated workload. Our assumptions are based upon the information provided for construction management inspection of the contract along with no delays encountered in the field.

Proposal Contact

We look forward to continuing a successful working relationship with the Santa Ana Watershed Authority. Please do not hesitate to contact me at 1935 Chicago Avenue, Unit A, Riverside, CA 92507, or (626) 926-1568, or via e-mail at EDurazo@TRCcompanies.com, should you have any questions regarding our submittal.

We look forward to continuing our services to the Agency by providing construction management and inspection services for this important project.

Sincerely,
TRC Engineers, Inc.



Edward Durazo
 Vice President/Southern California Regional Manager



Level of Effort for Euclid Ave. MAS Rehabilitation / Lower Reach IV-B and C.R.C Lateral Utility Protection Projects					
	2020				
	Aug	Sep	Oct	Nov	Dec
Calendar days	31	30	31	30	31
Work days	21	21	22	19	21
Euclid Ave. MAS Rehabilitation Project					
Lower Reach IV-B and C.R.C Lateral Utility Protection Project					
Project Close-out					

Name	Title	Project	Rate	Aug	Sep	Oct	Nov	Dec	Totals		
									Hours	Rate	
Edward Durazo	Principal in Charge										
Michael Yepiz *	Construction Manager / Inspection	Euclid MAS	\$201.00	40	84	88			212	\$42,612.00	
Thomas Michael *	Inspection	Euclid MAS (Secondary Inspection)	\$182.00		24	24	16		64	\$11,648.00	
Michael Yepiz *	Construction Manager / Inspection	IV-B and C.R.C Lateral Protection	\$201.00	40	84	88	152	40	404	\$81,204.00	
Michael Yepiz *	Construction Manager / Inspection	Contractor Schedule Delays, Re-Inspection	\$201.00					34	34	\$6,834.00	
Harmony Kunz	Administrative		\$96.00	1	1	1	1	1	5	\$480.00	
									685	\$142,778.00	

Other Direct Costs										Totals	
Vehicle	Monthly Allowance		\$700.00		1	1	1			3	\$2,100.00
Procure	Monthly Allowance		\$350.00	1	1	1	1	1		5	\$1,750.00
										Total: TRC Services	\$146,628.00

Sub-Consultants										Totals	
Ninyo & Moore	Special Inspections	IV-B and C.R.C Lateral Protection	Allowance							LS	\$14,752.00
										Total:	\$14,752.00
										5% Sub-consultant Mark-up	\$737.60
										Total Professional Services:	\$162,117.60

- Notes and Assumptions**
- Fees are based on 4 month construction duration with construction start anticipated in August 2020.
 - Should the actual schedule require more or less professional services than proposed adjustments to this estimate may be required.
 - Overtime, rain, holidays and potential time extensions or delays may result in additional professional services.
 - Rates are valid through 12/31/2020. Above rates are straight-time rates.
 - Night work and Overtime will be billed at a pro-rata adjusted rate.
 - * Denotes employees/classifications that are subject to prevailing wage.
 - Wages for inspection subject to California Labor Code Section 1772.
 - Rates are based on DIR Prevailing Wage Determination SC-23-63-2-2020-1D
 - This estimate is based on specific scope of work assumptions.
 - Procure is a document management system. All project files to be turned over to SAWPA upon completion of project

	ST	OT	DT
Michael Yepiz	\$201.00	\$302.00	\$402.00
Thomas Michael	\$182.00	\$250.00	\$317.00