



**BOARD OF SUPERVISORS AGENDA ITEM REPORT
CONTRACTS / AWARDS / GRANTS**

Award Contract Grant

Requested Board Meeting Date: 06/19/18

* = Mandatory, information must be provided

or Procurement Director Award

***Contractor/Vendor Name/Grantor (DBA):**

Chee Salette Architecture Office, Inc.

***Project Title/Description:**

Design Services for January 8 Memorial In El Presidio Park (XJAN8M)

***Purpose:**

Amendment: Contract No. CT-FM-18-143, Amendment No. One (1). This amendment modifies the scope of services and increases the contract amount by \$253,000.00 for a cumulative not-to-exceed amount of \$286,000.00.

Administering Department: Facilities Management.

This amendment allows for the completion of the Construction Document, Bidding, and Construction Administration phases.

***Procurement Method:**

Pursuant to the authority of A.R.S. § 34-606, the Board of Supervisors awarded a contract for Requisition No. 277104 for the Design Development Update Phase only on 01/16/18 in the amount of \$33,000.00 for a contract term of 01/16/18 to 11/30/19.

Attachment: Amendment No. One (1).

***Program Goals/Predicted Outcomes:**

To complete the design and construct a January 8 permanent memorial based on approved Design Development documents to be located adjacent and to the west of the Pima County Historic Courthouse. The Memorial will commemorate the victims, their families, first responders, medical personnel, community organizations, government leaders, and the citizens of Pima County.

***Public Benefit:**

The completion of the January 8 Memorial will demonstrate how Tucson citizens were able to work together to achieve a common community vision. This project will dovetail with the renovations and tenant improvements of the Pima County Historic Courthouse and will be a valuable addition to the El Presidio Park.

***Metrics Available to Measure Performance:**

Facilities Management will manage the contract with the consultant and monitor project milestones so that the project stays on budget and on schedule to coincide with the Historic Courthouse Phase 2 Tenant Improvements.

***Retroactive:**

No.

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To: COB - 6-13-18
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Revised 8/2017 *Ad Lendum*

Contract / Award Information

Document Type: _____ Department Code: _____ Contract Number (i.e.,15-123): _____
Effective Date: _____ Termination Date: _____ Prior Contract Number (Synergen/CMS): _____
 Expense Amount: \$* _____ Revenue Amount: \$ _____

***Funding Source(s) required:**

Funding from General Fund? Yes No If Yes \$ _____ % _____

Contract is fully or partially funded with Federal Funds? Yes No

***Is the Contract to a vendor or subrecipient?**

Were insurance or indemnity clauses modified? Yes No

If Yes, attach Risk's approval

Vendor is using a Social Security Number? Yes No

If Yes, attach the required form per Administrative Procedure 22-73.

Amendment / Revised Award Information

Document Type: CT Department Code: FM Contract Number (i.e.,15-123): 18-143
Amendment No.: One (1) AMS Version No.: Two (2)
Effective Date: ~~07/03/18~~ 06/19/18 New Termination Date: _____
Prior Contract No. (Synergen/CMS): _____

Expense or Revenue Increase Decrease Amount This Amendment: \$ 253,000.00

Is there revenue included? Yes No If Yes \$ _____

***Funding Source(s) required:** Operating Transfer Special Revenue

Funding from General Fund? Yes No If Yes \$ _____ % _____

Grant/Amendment Information (for grants acceptance and awards) Award Amendment

Document Type: _____ Department Code: _____ Grant Number (i.e.,15-123): _____
Effective Date: _____ Termination Date: _____ Amendment Number: _____
 Match Amount: \$ _____ Revenue Amount: \$ _____

***All Funding Source(s) required:**

*Match funding from General Fund? Yes No If Yes \$ _____ % _____

*Match funding from other sources? Yes No If Yes \$ _____ % _____

*Funding Source: _____

***If Federal funds are received, is funding coming directly from the Federal government or passed through other organization(s)?**

Contact: Scott Loomis 06/06/2018 729-2000 6-6-18
Department: Procurement May 9 6/2/18 Telephone: 520-724-8272
Department Director Signature/Date: _____ 6/7/18
Deputy County Administrator Signature/Date: _____ 6-12-18
County Administrator Signature/Date: _____ 6/12/18
(Required for Board Agenda/Addendum Items)

PIMA COUNTY FACILITIES MANAGEMENT DEPARTMENT		
PROJECT:	Design Services for January 8 Memorial In El Presidio Park (XJAN8M)	
CONSULTANT:	Chee Salette Architecture Office, Inc. 1800 South Brand Blvd., Suite 212 Glendale, California 91204	
CONTRACT NO.:	CT-FM-18-143	
AMENDMENT NO.:	One (1)	
FUNDING:	Operating Transfer Special Revenue	
		CONTRACT
		NO. <u>CT-FM-18-143</u>
		AMENDMENT NO. <u>01</u>
		This number must appear on all invoices, correspondence and documents pertaining to this contract.

CONTRACT TERM: 01/16/18 - 11/30/19	ORIGINAL CONTRACT AMOUNT:	\$ 33,000.00
TERMINATION PRIOR AMENDMENT: n/a	PRIOR AMENDMENT(S):	\$ -
TERMINATION THIS AMENDMENT: 11/30/19	AMOUNT THIS AMENDMENT:	\$ 253,000.00
	REVISED CONTRACT AMOUNT:	\$ 286,000.00

CONTRACT AMENDMENT

WHEREAS, COUNTY and CONSULTANT have entered into the Contract referenced above; and

WHEREAS, the redesign efforts have been completed by CONSULTANT during the Design Development Update Phase; and

WHEREAS, COUNTY and CONSULTANT previously identified the need for Construction Document, Bidding, and Construction Administration phases following the redesign efforts; and

WHEREAS, CONSULTANT has agreed to provide these services at a cost acceptable to COUNTY; and

WHEREAS, COUNTY and CONSULTANT have agreed to revise the scope and increase the contract amount to provide payment for these services.

NOW, THEREFORE, it is agreed as follows:

CHANGE: **ARTICLE 2 – SCOPE OF SERVICES**, first paragraph as follows:

FROM: "CONSULTANT agrees to provide Design Services for the Project for the County as described in **EXHIBIT "A" – SCOPE OF SERVICES** (9 pages), attached to this Contract."

TO: "CONSULTANT agrees to provide Design Services for the Project for the County as described in **EXHIBIT "A" – SCOPE OF SERVICES** (9 pages), and **EXHIBIT "A-1" – SCOPE OF SERVICES** (8 pages), attached to this Contract."

CHANGE: **ARTICLE 3 – COMPENSATION AND PAYMENT**, first paragraph as follows:

FROM: "In consideration of the services specified in this Contract, COUNTY agrees to pay CONSULTANT Not-to-Exceed Thirty-Three Thousand Dollars and Zero Cents (\$33,000.00). CONSULTANT'S fees are as stated in **EXHIBIT "B" – CONSULTANT FEE PROPOSAL** (13 pages), attached to this Contract."

TO: "In consideration of the services specified in this Contract, COUNTY agrees to pay CONSULTANT Not-to-Exceed Two Hundred Eighty-Six Thousand Dollars and Zero Cents (\$286,000.00). CONSULTANT'S fees are as stated in **EXHIBIT "B" – CONSULTANT FEE PROPOSAL** (13 pages), and **EXHIBIT "B-1" – CONSULTANT FEE PROPOSAL** (9 pages), attached to this Contract."

ATTACH: EXHIBIT "A-1" – SCOPE OF SERVICES, REVISED MAY 30, 2018 (8 pages) to Contract.

ATTACH: EXHIBIT "B-1" – CONSULTANT FEE PROPOSAL, DATED MAY 25, 2018 (9 pages) to Contract.

This Amendment shall be effective on June 19, 2018.

All other provisions of the Contract, not specifically changed by this Amendment, shall remain in effect and be binding upon the parties.

IN WITNESS WHEREOF, the parties have affixed their signatures to this Amendment on the dates written below.

COUNTY:

Chairman, Board of Supervisors

Date

ATTEST:

Clerk of the Board

CONSULTANT:

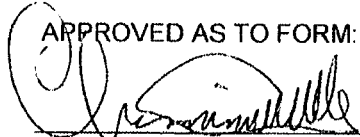


Signature

Tina Chee, President
Name and Title (Please Print)

06/13/2018
Date

APPROVED AS TO FORM:



Deputy County Attorney

Christopher Straub
Name (Please Print)

6-13-2018
Date

PIMA COUNTY FACILITIES MANAGEMENT NEW BUILDINGS SERVICES DIVISION

150 W. Congress Street | 3rd Floor | Tucson, Arizona | 85701

Tel: 520-724-3085 | Fax: 520-724-3900

DATE: Revised May 30, 2018
PROJECT NAME: January 8 Memorial in El Presidio Park
BUILDING NAME: Tucson's January 8 Memorial
BUILDING ADDRESS: Downtown, Tucson, Arizona
PROJECT MANAGER: Martyn Klell

A. SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT

1. General Provisions:

The Scope of Professional Services shall include all professional services required to design and construct the Project.

All work shall be performed by persons licensed in the State of Arizona for the type of Professional Services required, or by persons under direct supervision of the licensed Professional, for which the Licensed Professional(s) assumes responsibility. The names of the licensed Professional(s) shall be supplied. They shall be responsible for the drawings and specifications pertaining to the Professional Services they provide, by sealing and signing all drawings and specifications for which they are responsible.

The COUNTY lacks the available expertise for the Project, and has therefore, by this Agreement, employed the CONSULTANT. Written approval of plans, specifications, and reports by the Board of Supervisors is only for conformance with the program design concept of the Project. This approval does not imply approval of nor attest to the accuracy, suitability, or completeness of the design, drawings, dimensions, details, proper selection of materials, nor compliance with applicable codes or ordinances. Such accuracy, suitability, or completeness is the sole responsibility of the CONSULTANT for the Project.

If a responsive construction bid proposal for construction of the project, or any phase thereof, is not received for an amount within the construction budget, the CONSULTANT shall, in consultation with the COUNTY, revise the scope and/or quality of the project to obtain a satisfactory proposal to construct the project in accordance with A.R.S. 34-104, at no additional cost to the COUNTY, unless otherwise agreed upon by the COUNTY.

The CONSULTANT shall prepare minutes of all meetings in the design phase between the COUNTY, and the CONSULTANT, for review and approval by the COUNTY.

During the design phase of the project the CONSULTANT shall prepare a Master Project Schedule to encompass the entire project including the construction phase for review and approval by the COUNTY. The CONSULTANT shall develop the baseline project schedule in Microsoft Project 2010 format or newer. CONSULTANT shall then be responsible to maintain and update the schedule on a monthly basis until construction begins. Along with the schedule the CONSULTANT shall provide progress reports to the COUNTY's project manager on a bi-monthly basis throughout the Design Services. The CONSULTANT shall submit each schedule revision to the COUNTY for review and approval.

2. Project Background:

During the past number of years, the January 8 Memorial Foundation has been laying the groundwork for a Memorial to the victims and survivors of the horrific shooting which occurred on January 8, 2011. The shooting took place at a Safeway store where Congresswoman Gabrielle Giffords was critically wounded, six individuals killed and 13 others wounded at a "Congress on your Corner" event. Temporary vigil sites were formed at the store's entry, the University Medical Center front lawn, and at the Congresswoman's office. Although these three sites were important spiritual spaces for our community's gathering and healing, the planning for a permanent Memorial site was focused on a location at the heart of our community and our local government – in downtown Tucson.

In 2015, a selection panel headed up by Tucson-Pima Arts Council selected Chee Salette Architecture Office to design the Memorial and a master plan concept for El Presidio Park. The Master Plan and Schematic Design and Design Development have been completed. This involved an extensive community outreach process that took place during the Schematic Design Phase. Pima County has been asked to manage the design contract beginning at Construction Document phase and manage the construction contract since the Memorial will be adjacent to the Historic Old Courthouse and will sit partially on County owned land.

The January 8 permanent Memorial has long been anticipated and expected by Arizona Citizens. The completion of the Memorial will demonstrate to communities around the world how Tucson was able to work together to achieve a common community vision. The tragedy will be remembered, but it will also commemorate the victims, their families, first responders, medical personnel, community organizations, government leaders, and the citizens of Pima County.

3. Project Narrative:

To complete the design and construct a memorial based on the approved redesigned Design Development documents to be located adjacent to the Pima County Historic Courthouse to the west. The Memorial vision is to incorporate outdoor spaces into a master plan that creates spaces for quiet reflection and remembrance, gathering spaces dedicated to "democracy in action", and landscaped open space design elements with public art inspired by the spirit of the three January 2011 vigil sites. Modifications and improvements to the Park will be included in this scope as necessary to realize the successful implementation of the Memorial and its reduced budget.

It is important for the vision of the Memorial to connect the existing downtown pedestrian paths and outdoor spaces that will link the Memorial components together in a unified concept that celebrates the theme "Together we thrive". At the completion of the Memorial development, visitors will be able to experience the January 8 story within the rich Tucson historical context.

Most recently, the project has been reduced in scope, scale and features to meet anticipated contributions to the Foundation. Water features and Memorial symbols are also being reduced or eliminated. The Project includes the donor recognition elements approved by the COUNTY.

4. Project Team:

The project team will be made up of representatives from:

- Pima County Administrator's Office
- City of Tucson Manager's Office
- City Parks and Recreation Department
- Pima County Office Sustainability and Conservation
- January 8 Memorial Board
- Pima County Facilities Management
- Chee Salette Architecture Office

5. Estimated Budget & Cost Control

The total project budget shall not exceed **\$2,500,000**, which includes \$1,800,000 available for construction by the contractor. These amounts are approximate and the best estimate of funds made at this time and contingent on the actual funds raised by the Foundation. The donor recognized elements are included in the construction budget and base bid. Other surrounding landscaped areas and the Memorial Gardens are not included in the construction budget and will be bid as add alternates.

The construction delivery method is Design-Bid-Build. The Memorial design is to be bid as part of the Historic Courthouse Phase 2 Tenant Improvement package.

The CONSULTANT is responsible to maintain the project's design within the construction budget. The cost estimator needs to be well aware of construction costs with the southern Arizona market. If necessary the CONSULTANT shall recommend value-engineering items, scope changes, and add alternates for COUNTY review and approval. If changes need to occur to the design documents in order to get the design within budget, including new cost estimate/s, this work shall be at no expense to the COUNTY.

6. Project Schedule:

- a. Memorial Redesign Phase – Completed
- b. Construction Document Phase – Five to Six months – To be completed by November 30, 2018
- c. Bidding Phase – Three Months
- d. Construction through Substantial Completion – Six Months – to start in conjunction with the Pima County Historic Courthouse tenant improvements project currently scheduled to start Feb/March 2019.
- e. Project Closeout – Two Months

The master project schedule shall be developed in association between the CONSULTANT, COUNTY and Project Team. The CONSULTANT shall confirm all targets, meetings, reviews and deliverables on a master schedule. This will be an opportunity to establish a project understanding among all team members regarding direction and responsibilities.

7. Architectural & Engineering Services:

The CONSULTANT shall also provide any and all presentation materials, which may include the following: presentation boards, color and material finish boards, electronic presentations etc. Provide a reimbursable allowance for such items in the fee proposal.

These Design services may include (not limited to) the following as described in the CONSULTANT'S Scope of Design Services and Cost Proposal.

- Project Management
- Landscape Architecture
- Architectural Design
- Visual Art Design
- Historical Research
- Civil Engineering
- Structural Engineering
- Electrical Engineering
- Lighting Design
- Water Feature Design
- Arboriculture Services
- Horticulture Services
- Irrigation Design
- Cost Estimating

Poster Frost Mirto will be designing the north site area of the Historic Courthouse (see orange area on the attached drawing). Poster Frost Mirto will be using site material (plant and hardscape) consistent with the January 8th Memorial design. Poster Frost Mirto will coordinate/consult with Chee Salette Architect Office so that the designs of the January 8th Memorial and the north site area of the Historic Courthouse are related and consistent between the two areas.

Based on the relationship of the Historic Courthouse and the Memorial and the fact that the two projects will be bid as a single package, coordination with Poster Frost Mirto will be required. Pima County Facilities Management will facilitate any meetings and coordination items. Though the two projects will be bid as a single package, the bid documents for the each project will remain separate, i.e. no drawings or specification for one project will document the scope of the other project.

8. Design Services Detail:

a. Applicable Codes and Regulations:

The CONSULTANT shall comply with all applicable codes and regulations as defined by Pima County Development Services and the Arizona State Fire Marshal.

The CONSULTANT shall assist the COUNTY with obtaining a building permit with Pima County Development Services.

The CONSULTANT shall assist the COUNTY with submission to the Arizona State Fire Marshal for permit as applicable.

b. Design Development Update: Previously completed.

c. Construction Document Phases 50% and 90% Completion:

The CONSULTANT shall prepare from the approved Design Development Documents, 50% and 90% completed Construction Documents, including Drawings and Specifications (50% & 90% level for all disciplines), setting forth in detail the requirements for the construction of the entire Project, including coordination of the various applicable disciplines such as utilities, and shall be familiar with the standard Pima County Bidding Instructions and the General Conditions of the Contract. The COUNTY's Project Manager will supply these Instructions and Conditions to the CONSULTANT.

The CONSULTANT and/or sub-consultants shall meet with local agencies to review and verify architectural and engineering documents. This includes, however is not limited to, consultation with Pima County Development Services, and other agencies and utility service providers as applicable. The CONSULTANT shall conduct an in-house quality review session with the design team prior to submission to the COUNTY. A document review session will be held with the COUNTY, Project Team and the CONSULTANT's team.

The submittal shall consist of PDF and AutoCad format. The CONSULTANT shall prepare and submit a written response to each of the COUNTY's DD Redesign review comments at this time.

Within one (1) week of each submission of the Construction Documents, the CONSULTANT shall submit a revised Estimate of Construction Cost. Provide itemized costs for materials and labor for each portion of the construction including any identified alternates.

The CONSULTANT must receive from the COUNTY written approval of each Construction Documents Phase before proceeding to the next Construction Document Phase.

A document review session, "page-turn", will be held with the COUNTY, Project Team and the CONSULTANT's team to review details of the submittal, answer questions and discuss solutions to

design challenges. The COUNTY will provide review comments from these sessions. The COUNTY and the CONSULTANT will determine the appropriate submittal to utilize for the review session.

d. Construction Document Phases (100% Completion):

The CONSULTANT shall develop from the 90% Construction Documents, the 100% Construction Document submission to be submitted by the COUNTY's Project Manager for obtaining the building permits and beginning the procurement process to obtain a General Contractor and furniture procurement. This submission includes drawings and full specifications, calculations and product cut sheets, setting forth in detail the requirements for the construction of the entire Project, including coordination of the various applicable disciplines such as utilities, and shall be familiar with the standard Pima County Bidding Instructions and the General Conditions of the Contract. The CONSULTANT shall conduct an in-house quality review session prior to submission to the COUNTY.

At the time of submission for building permit, the CONSULTANT shall coordinate with the COUNTY Project Manager what is required to be delivered to the permit authorities.

The CONSULTANT shall provide the COUNTY with all required documentation for submittal for the Construction Permit, or any other permits, or review processes required by said governmental authorities. These documents shall include completed permit applications, checklists, CONSULTANT Consent Form, plans, specifications, special inspection certificates (if necessary) and calculations. The COUNTY will submit these documents to Development Services and other agencies for permit review.

The CONSULTANT must receive from the COUNTY's Project Manager's written approval of the Completed Construction Documents before proceeding to the next phase. Upon approval of the submittal, CONSULTANT shall make any required changes during the Bidding Phase by Addendum/Addenda.

e. Bidding Phase:

The CONSULTANT shall assist the COUNTY in answering any questions that may arise from bidders pertaining to the Construction Document. Should Addenda become necessary, the CONSULTANT shall prepare and distribute same with direction provided by the COUNTY's Project Manager. The CONSULTANT will assist in the review of bids to help determine the most advantageous bid to the COUNTY and for recommending that bid for award by the Pima County Board of Supervisors.

A Pre-Bid Conference shall be part of the Bidding Documents Phase, and CONSULTANT shall participate in this conference, to which all potential bidders shall be invited. Remote participation via a conference call or videoconference is preferred, see Supplemental services. Sub-consultant fees have been included within the Supplementary Services, refer to fee proposal.

f. Construction Administration Phase of the Construction Contract:

Whenever the term "Contract" is used herein, it shall mean the Construction Contract awarded by the Board of Supervisors of Pima County, Arizona, and as the same may hereinafter be amended with approval of both parties after review by the CONSULTANT.

The term "Contractor" as used herein shall mean the party entering into a contract with COUNTY for the construction of the Project defined by the Construction Documents.

CONSULTANT's Construction Administration Phase shall commence with the notice-to-proceed to the General Contractor and will terminate Sixty (60) days following issuing of the Certificate of Substantial Completion. CONSULTANT's Construction Administration Services, beyond the completion time period specified above, unless due to the neglect of the CONSULTANT shall require specific written approval by the COUNTY by written amendment to this agreement.

The CONSULTANT shall provide administration of the Construction Contract as set forth in the Construction Contract and General Conditions of the Owner-Contractor Construction Contract. The

extent of the CONSULTANT duties and responsibilities and the limitations of his authority as assigned thereunder shall not be modified without the written consent of the CONSULTANT, and that of the COUNTY.

The CONSULTANT, as the representative of the COUNTY during the Construction Phase, shall advise and consult with the COUNTY. All of the COUNTY instructions to the Contractor shall be issued through the CONSULTANT. The CONSULTANT shall have authority to act on behalf of the COUNTY to the extent provided in this Agreement, the Construction Contract, and the General Conditions, unless otherwise modified in writing.

The CONSULTANT shall, at all times have access to the Work whenever it is in preparation or progress.

The CONSULTANT shall make sufficient visits to the site so as to ascertain the progress and quality of the Work and to determine if the Work is proceeding in accordance with the Contract Documents. SUB-CONSULTANTS to the CONSULTANT shall also furnish periodic written records of their observation of the Work, which shall be submitted to the COUNTY, through the CONSULTANT, for the COUNTY files.

The CONSULTANT shall participate in scheduled construction meetings with Contractor and shall prepare minutes and distribute to the Construction Team. Use of teleconferencing/web conferencing shall be used when possible to limit the frequency of trips to the Project Site.

The CONSULTANT shall not be responsible for construction means, methods, techniques, or procedures in connection with the Work, nor shall he be responsible for the Contractor's failure to carry out the Work in accordance with the Contract Documents; for the acts or omissions of the Contractor, or Subcontractors agents or employees.

However, the CONSULTANT shall immediately notify the COUNTY if the Contractor is failing to carry out the work in accordance with the Contract Documents, and shall immediately notify the Contractor of work not in compliance with the Contract Documents. The CONSULTANT shall prepare a list of critical construction inspection times and items to be inspected, and said schedule shall be made part of the successful Contractor's required performance.

Notwithstanding any provisions of previous paragraphs, and based on such observations at the site and on the Contractor's Applications for Payment, the CONSULTANT shall determine the amount owing to the Contractor and certify the payment of such amounts on the Contractor's Applications for Payment (AIA Form G-702).

The Certification of the Application for Payment shall constitute a representation by the CONSULTANT to the COUNTY based on the CONSULTANT's observations of the site and on the data comprising the Application for Payment, that the Work has progressed to the point indicated; that to the best of the CONSULTANT's knowledge, information and belief, that the quality of the Work is in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole upon Substantial Completion; to the results of any subsequent tests required by the Contract Documents; to minor deviations from the Contract Documents correctable prior to completion; and to the specific qualifications stated in the Certificate for Payment) and that the Contractor is entitled to payment in the amount certified. When the Contractor has made proper application therefore, the CONSULTANT shall forward the certified Application for Payment to the COUNTY.

The CONSULTANT may decline to approve an Application for Payment and may withhold the Application in whole or in part, if in the CONSULTANT's opinion he is unable to make representations to COUNTY as provided in the above paragraph. The CONSULTANT may also decline to approve any Applications for Payment, or, because of subsequently discovered evidence or subsequent inspections, he may nullify the whole or any part of any Certificate for Payment previously issued to such extent as may be necessary in his opinion to protect the COUNTY from loss because of:

Defective work not remedied, or;

Claims filed, or reasonable evidence indicating probable filing of claims, or;

Failure of the Contractor to make payments to sub-contractors for labor, materials or equipment, or;

Reasonable doubt that the Work can be completed for the unpaid balance of the Contract Sum, or;

Damage to another contract, or;

Reasonable indication that the Work will not be completed within the Contract Time, or;

Unsatisfactory execution of the Work by the Contractor.

When the above grounds are removed, payment shall be made for amounts withheld because of them.

The CONSULTANT may, on request, and at his discretion, furnish to any sub-contractor, if practicable, information regarding percentages of completion certified by the Contractor on account of Work done by such sub-contractors.

The CONSULTANT shall be, in the first instance, the interpreter of the requirements of the Contract Documents and of the performance there under by both the COUNTY and Contractor. The CONSULTANT shall recommend decisions on all claims from the COUNTY or Contractor relating to the execution and progress of the work on all other matters or questions related thereto.

The CONSULTANT shall have the authority to reject Work, which does not conform to the Contract Documents, and to require, if in his opinion necessary, special inspection or testing of any Work at any stage of progress. The CONSULTANT shall also notify the COUNTY of the necessity to require the Contractor to stop the Work whenever, in his opinion, it may be necessary for the proper performance of the Contract. The COUNTY, when necessary, shall issue the order to stop the Work.

The CONSULTANT shall review and approve shop drawings, samples, and other submissions of the Contractor with reasonable promptness. The CONSULTANT shall furnish any requested additional instructions in writing, by means of drawings, or otherwise, necessary for the proper execution of the Work. All such instructions or drawings shall be consistent with the Contract Documents, true developments thereof, and reasonably inferable therefrom.

The CONSULTANT shall make minor changes in the Work not involving extra cost, delay, or claim of any kind against the COUNTY and/or Contractor, and not inconsistent with the purposes of the Project. Otherwise, except in an emergency endangering life or property, the CONSULTANT shall prepare and process no extra work or change except by WRITTEN approval and Change Order signed by the COUNTY. The CONSULTANT shall review and respond to said Change Orders as well as any Request for Proposals to the Contractor.

The CONSULTANT shall produce, and determine, the date of issuance of the Certificates of Substantial Completion and Final Completion shall receive written guarantees, waiver of liens, and related documents assembled by the Contractor, and shall issue a final Certificate for Payment.

At the conclusion of the Project, the CONSULTANT shall prepare a Record Drawing Package (electronic pdf and AutoCad as-built drawings) formatted per requirements of the COUNTY at the time of submission. In addition, key shop drawings are to be scanned and submitted to the owner as part of the closeout documents.

9. Supplemental Services:

Supplemental services must be approved by Pima County's Project Manager prior to proceeding with the tasks identified. Potential services may include but are not limited to additional trips and sub-consultant fees required during the bidding phase.

10. Additional Services:

Additional services may be agreed upon between the COUNTY and CONSULTANT as needed after the execution of the contract for unforeseen services that develop as the project proceeds. Additional services shall be provided only if authorized in advance in writing by the COUNTY. If the COUNTY deems that any Additional Service described is not required, the COUNTY shall give written notice to the CONSULTANT.

- a. Additional Services shall be approved from the design services contingency, if any, or by amendment to the contract.
- b. The CONSULTANT shall have no obligation to provide Additional Services that are inconsistent with the CONSULTANT's Services, unless otherwise agreed to by the CONSULTANT.
- c. The CONSULTANT shall not be entitled to compensation for Additional Services to the extent that they arise out of the errors and omissions of the CONSULTANT, but nothing stated in this Paragraph shall obligate the CONSULTANT to perform Additional Services without compensation even if the COUNTY claims an Additional Service arises out of an error and omission of the CONSULTANT.

B. SCOPE OF SERVICES TO BE PROVIDED BY PIMA COUNTY

COUNTY shall provide the following items and services in support of the CONSULTANT'S work:

1. Cost of reproductions for all documents as listed in the Contract, which are used for meetings with COUNTY representatives, and as requested by the COUNTY's Project Manager. Reproduction costs which are used for coordination purposes between the CONSULTANT's team members will not be paid for by the COUNTY.
2. Cost of reproductions for all documents required for bidding and construction, shall be with vendors having a purchase order with the COUNTY.
3. Cost of Geotechnical Engineering, special inspections and Materials Testing (as needed) based on Project requirements defined by CONSULTANT;
4. A Project Manager from Facilities Management assigned to work with the CONSULTANT.
5. Any information available regarding utilities and services, or any other project specific information as required. Additional survey information as needed, including "potholing" to establish the precise location and depth of existing utilities on site. This does not limit or negate the requirement of the CONSULTANT to verify the field conditions;
6. Any reports and/or mitigation regarding the presence of hazardous materials on the property. In the event that hazardous materials are encountered, the COUNTY will contract directly with Abatement Consultants and Contractors for remediation, should that be necessary;
7. Assistance with establishment of CAD files and formats as defined in the attached Facilities Management Department CAD Standards;
8. Apply for and pay building permit fees to include Pima County Wastewater fees (if any).
9. Consultation with Pima County officials as required.
10. Consultation and guidance with Pima County's Cultural Resources Office to comply with Arizona State Antiquities Act and the State Historic Preservation Office.

END of EXHIBIT "A-1"

EXHIBIT "B-1" – CONSULTANT FEE PROPOSAL

DATED MAY 25, 2018

(9 pages)

May 25, 2018

Scott Loomis, Procurement Officer
 Pima County Procurement Department
 Design & Construction Division
 130 West Congress Street, 3rd Floor
 Tucson, Arizona 85701

Mr. Loomis,

Chee Salette Architecture Office (CONSULTANT) is pleased to submit to Pima County (COUNTY) a cost proposal for the January 8 Memorial in El Presidio Park (Project). This proposal also includes a description of additional services, in Exhibit A, and contract provisions specific to the Artwork portion of the Project, in Exhibit B.

This cost proposal includes a fixed fee amount as well as a reimbursable expense budget to perform the SCOPE OF PROFESSIONAL SERVICES REQUIRED (attached). A projection of the labor cost broken down by discipline and by phase is also attached for reference. Requests for Proposal sent by CONSULTANT to its sub-consultants, and the sub-consultants' proposals to CONSULTANT will be provided separately.

FEE

The proposed fixed fee (FEE) is **Two Hundred and Thirty-Two Thousand Dollars** (\$232,000). It breaks down by phase as follows:

Construction Document Phase:	\$171,100
Bidding Phase (Consultant only):	\$2,000
Construction Administration Phase:	\$55,530
Supplementary Services (Sub-consultant Bidding Phase):	\$3,370
<hr/>	
Total	\$232,000

REIMBURSABLE EXPENSES

The following expenses shall be deemed reimbursable (REIMBURSABLE EXPENSES), shall be invoiced by CONSULTANT at cost, and shall be paid by COUNTY in addition to the Fee.

- Outsourced printing.
- Outsourced computer rendering.
- Laser cutting.
- 3D printing.
- Model building materials.

- Travel expenses outside of the Tucson metropolitan area including economy class airfare, rental car and gas; as well as lodging, food and other miscellaneous travel-related items within daily limits established in accordance with Federal GSA Guidelines.

The proposed budget for REIMBURSABLE EXPENSES is **Twenty-One Thousand Dollars** (\$21,000). It breaks down by phase as follows:

Construction Document phase:	\$5,100
Bidding phase:	\$0
Construction Administration phase:	\$15,000
Supplementary Services (Bidding Phase)	\$900
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Total	\$21,000

The REIMBURSABLE EXPENSES budget includes the following travel assumptions for CONSULTANT and out-of-town sub-consultants:

Construction Document phase

CONSULTANT will travel to Tucson three (3) times to hold face-to-face coordination meetings with the sub-consultant team, to meet face-to-face with COUNTY and to conduct "page-turn" with COUNTY at 90% CDs.

Rebeca Mendez Studio (VISUAL ARTIST) will travel to Tucson one (1) time to complete interviews with survivors, victims' family members, and others as needed.

Bidding phase

No travel.

Construction Administration phase

CONSULTANT will travel to Tucson ten (10) times to observe the work on site, and meet face-to-face with COUNTY and the Contractor. These visits will coincide with the weekly construction meetings with COUNTY and the Contractor. When not in Tucson, ARCHITECT will participate in the construction meetings via web conferencing. If additional site visits are required, CONSULTANT shall obtain approval from COUNTY for the associated reimbursable expenses.

LIGHTING DESIGNER will travel to Tucson one (1) time to adjust the light fixtures and commission the completed work.

Fluidity (WATER FEATURE CONSULTANT) will travel to Tucson two (2) times; one (1) time to observe the work in progress on site and one (1) time to commission the completed work.

Supplementary Services (Bidding Phase)

CONSULTANT will travel to Tucson one (1) time to participate in a pre-bid conference, if requested by COUNTY.

Expenses exceeding the budget for REIMBURSABLE EXPENSES shall not be incurred by ARCHITECT without prior authorization by COUNTY.

Please let me know if you have questions regarding this proposal,

A handwritten signature in black ink, appearing to read "Marc Salette". The signature is fluid and cursive, with the first name "Marc" written in a slightly larger, more prominent script than the last name "Salette".

Marc Salette, Principal
Chee Salette Architecture Office
1800 South Brand Boulevard, Studio 212
Glendale, CA 90039
(323) 600-3445
msalette@csaoarchitects.com

JANUARY 8 MEMORIAL
LABOR COST PROJECTION - ALL PHASES
CHEE SALETTE ARCHITECTURE OFFICE
 May 18, 2018

PROJECT MANAGER / LANDSCAPE ARCHITECT / ARCHITECT

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Project Management	\$69.93	2.60	10.00%	\$200.00	87.75	\$17,550.00
Design	\$69.93	2.60	10.00%	\$200.00	107	\$21,400.00
Site Observation	\$52.45	2.60	10.00%	\$150.00	120	\$18,000.00
Technical Design	\$52.45	2.60	10.00%	\$150.00	99	\$14,850.00
Graphic Design	\$34.97	2.60	10.00%	\$100.00	8	\$800.00
Drafting + 3D Modelling	\$34.97	2.60	10.00%	\$100.00	414	\$41,400.00
Model Building	\$26.22	2.60	10.00%	\$75.00	40	\$3,000.00
TOTAL				\$133.60	876	\$117,000.00

STRUCTURAL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$64.43	2.61	10.00%	\$184.98	20.75	\$3,838.30
Project Manager	\$43.75	2.61	10.00%	\$125.61	53	\$6,657.13
Senior Engineer II	\$36.78	2.61	10.00%	\$105.60	0	\$0.00
Senior Engineer I	\$30.53	2.61	10.00%	\$87.65	0	\$0.00
Project Coordinator	\$24.04	2.61	10.00%	\$69.02	0	\$0.00
Engineer II	\$26.65	2.61	10.00%	\$76.51	0	\$0.00
Engineer I	\$25.24	2.61	10.00%	\$72.46	0	\$0.00
Designer II	\$31.73	2.61	10.00%	\$91.10	45.85	\$4,176.79
Designer I	\$26.16	2.61	10.00%	\$75.11	30	\$2,253.16
Administration	\$19.02	2.61	10.00%	\$54.61	1.4	\$76.45
TOTAL				\$112.59	151	\$17,001.84

CIVIL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$62.50	2.65	10.00%	\$182.19	3	\$546.56
Project Mgr. PE	\$50.50	2.65	10.00%	\$147.21	23	\$3,385.77
Project Engineer II (PE)	\$39.91	2.65	10.00%	\$116.34	24	\$2,792.10
Engineering Designer II	\$39.91	2.65	10.00%	\$116.34	16	\$1,861.40
Designer II	\$32.00	2.65	10.00%	\$93.28	44	\$4,104.32
CADD Tech. II	\$21.68	2.65	10.00%	\$63.20	19.75	\$1,248.14
TOTAL				\$107.42	129.75	\$13,938.31

ELECTRICAL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$62.50	2.65	10.00%	\$182.19	3.5	\$637.66
Project Engineer II (PE)	\$41.35	2.65	10.00%	\$120.54	8	\$964.28
Engineering Designer II	\$47.25	2.65	10.00%	\$137.73	26.8	\$3,691.26
CADD Tech. II	\$18.25	2.65	10.00%	\$53.20	27.5	\$1,462.97
TOTAL				\$102.68	65.8	\$6,756.17

VISUAL ARTIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Artist	\$79.34	2.75	10.00%	\$240.00	120	\$28,800.00
Researcher	\$39.67	2.75	10.00%	\$120.00	30	\$3,600.00
Assistant Designer	\$19.83	2.75	10.00%	\$60.00	60	\$3,600.00
TOTAL				\$171.43	210	\$36,000.00

LIGHTING DESIGNER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$68.18	2.00	10.00%	\$150.00	40.5	\$6,075.00
Designer	\$50.00	2.00	10.00%	\$110.00	53.85	\$5,923.50
TOTAL				\$127.17	94.35	\$11,998.50

WATER FEATURE DESIGNER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$105.52	2.80	10.00%	\$325.00	2	\$650.00
Principal	\$81.17	2.80	10.00%	\$250.00	15	\$3,750.00
Senior Project Designer	\$56.82	2.80	10.00%	\$175.00	35	\$6,125.00
Project Engineer	\$56.82	2.80	10.00%	\$175.00	41.9	\$7,332.50
Project Designer	\$40.58	2.80	10.00%	\$125.00	4	\$500.00
Designer	\$25.97	2.80	10.00%	\$80.00	4.4	\$352.00
TOTAL					102.3	\$18,709.50

ARBORIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Arboriculturalist	\$45.45	2.00	10.00%	\$100.00	0	\$0.00
TOTAL					0	\$0.00

HORTICULTURALIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Horticulturalist	\$56.82	2.00	10.00%	\$125.00	0	\$0.00
TOTAL					0	\$0.00

IRRIGATION CONSULTANT

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Irrigation Designer	\$56.82	2.00	10.00%	\$125.00	19.5	\$2,437.50
Irrigation Technician	\$34.09	2.00	10.00%	\$75.00	15.5	\$1,162.50
TOTAL					35	\$3,600.00

HISTORY RESEARCHER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
History Researcher	\$45.45	1.20	10.00%	\$60.00	33.3	\$1,998.00
TOTAL					33.3	\$1,998.00

COST ESTIMATOR

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Senior Estimator	\$85.00	1.07	10.00%	\$100.00	50	\$5,000.00
TOTAL					50	\$5,000.00

GRAND TOTAL

Hours	Cost
1,747	232,002

JANUARY B MEMORIAL
LABOR COST PROJECTION - CONSTRUCTION DOCUMENT PHASE
 CHEE SALETTE ARCHITECTURE OFFICE
 May 18, 2018

PROJECT MANAGER / LANDSCAPE ARCHITECT / ARCHITECT

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Project Management	\$69.93	2.60	10.00%	\$200.00	49.75	\$9,950.00
Design	\$69.93	2.60	10.00%	\$200.00	75	\$15,000.00
Site Observation	\$52.45	2.60	10.00%	\$150.00	0	\$0.00
Technical Design	\$52.45	2.60	10.00%	\$150.00	75	\$11,250.00
Graphic Design	\$34.97	2.60	10.00%	\$100.00	8	\$800.00
Drafting + 3D Modeling	\$34.97	2.60	10.00%	\$100.00	400	\$40,000.00
Model Building	\$26.22	2.60	10.00%	\$75.00	40	\$3,000.00
TOTAL				\$123.50	648	\$80,000.00

STRUCTURAL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$64.43	2.61	10.00%	\$184.98	15.75	\$2,913.41
Project Manager	\$43.75	2.61	10.00%	\$125.61	40	\$5,024.25
Senior Engineer II	\$36.78	2.61	10.00%	\$105.60	0	\$0.00
Senior Engineer I	\$30.53	2.61	10.00%	\$87.65	0	\$0.00
Project Coordinator	\$24.04	2.61	10.00%	\$69.02	0	\$0.00
Engineer II	\$26.65	2.61	10.00%	\$76.51	0	\$0.00
Engineer I	\$25.24	2.61	10.00%	\$72.46	0	\$0.00
Designer II	\$31.73	2.61	10.00%	\$91.10	30	\$2,732.90
Designer I	\$26.16	2.61	10.00%	\$75.11	30	\$2,253.16
Administration	\$19.02	2.61	10.00%	\$54.61	1.4	\$76.45
TOTAL				\$110.97	117.15	\$13,000.18

CIVIL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$62.50	2.65	10.00%	\$182.19	2	\$364.38
Project Mgr. PE	\$50.50	2.65	10.00%	\$147.21	12	\$1,766.49
Project Engineer II (PE)	\$39.91	2.65	10.00%	\$116.34	16	\$1,861.40
Engineering Designer II	\$39.91	2.65	10.00%	\$116.34	16	\$1,861.40
Designer II	\$32.00	2.65	10.00%	\$93.28	30	\$2,798.40
CADD Tech. II	\$21.68	2.65	10.00%	\$63.20	19.75	\$1,248.14
TOTAL				\$103.40	95.75	\$9,900.21

ELECTRICAL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$62.50	2.65	10.00%	\$182.19	1.5	\$273.28
Project Engineer II (PE)	\$41.35	2.65	10.00%	\$120.54	8	\$964.28
Engineering Designer II	\$47.25	2.65	10.00%	\$137.73	16	\$2,203.74
CADD Tech. II	\$18.25	2.65	10.00%	\$53.20	20	\$1,063.98
TOTAL				\$99.02	45.5	\$4,505.28

VISUAL ARTIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Artist	\$79.34	2.75	10.00%	\$240.00	120	\$28,800.00
Researcher	\$39.67	2.75	10.00%	\$120.00	30	\$3,600.00
Assistant Designer	\$19.83	2.75	10.00%	\$60.00	60	\$3,600.00
TOTAL				\$171.43	210	\$36,000.00

LIGHTING DESIGNER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$68.18	2.00	10.00%	\$150.00	17.5	\$2,625.00
Designer	\$50.00	2.00	10.00%	\$110.00	39.75	\$4,372.50
TOTAL				\$122.23	57.25	\$6,997.50

WATER FEATURE DESIGNER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$105.52	2.80	10.00%	\$325.00	2	\$650.00
Principal	\$81.17	2.80	10.00%	\$250.00	10	\$2,500.00
Senior Project Designer	\$56.82	2.80	10.00%	\$175.00	20	\$3,500.00
Project Engineer	\$56.82	2.80	10.00%	\$175.00	20	\$3,500.00
Project Designer	\$40.58	2.80	10.00%	\$125.00	4	\$500.00
Designer	\$25.97	2.80	10.00%	\$80.00	4.4	\$352.00
TOTAL					60.4	\$11,002.00

ARBORIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Arboriculturalist	\$45.45	2.00	10.00%	\$100.00	0	\$0.00
TOTAL					0	\$0.00

HORTICULTURALIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Horticulturalist	\$56.82	2.00	10.00%	\$125.00	0	\$0.00
TOTAL					0	\$0.00

IRRIGATION CONSULTANT

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Irrigation Designer	\$56.82	2.00	10.00%	\$125.00	19.5	\$2,437.50
Irrigation Technician	\$34.09	2.00	10.00%	\$75.00	3.5	\$262.50
TOTAL					23	\$2,700.00

HISTORY RESEARCHER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
History Researcher	\$45.45	1.20	10.00%	\$60.00	33.3	\$1,998.00
TOTAL					33.3	\$1,998.00

COST ESTIMATOR

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Senior Estimator	\$85.00	1.07	10.00%	\$100.00	50	\$5,000.00
TOTAL					50	\$5,000.00

	Hours	Cost
GRAND TOTAL	1,340	171,103

JANUARY 8 MEMORIAL
LABOR COST PROJECTION - BID PHASE
 CHEE SALETTE ARCHITECTURE OFFICE
 May 3, 2018

PROJECT MANAGER / LANDSCAPE ARCHITECT / ARCHITECT

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Project Management	\$69.93	2.60	10.00%	\$200.00	8	\$1,600.00
Design	\$69.93	2.60	10.00%	\$200.00	2	\$400.00
Site Observation	\$52.45	2.60	10.00%	\$150.00	0	\$0.00
Technical Design	\$52.45	2.60	10.00%	\$150.00	0	\$0.00
Graphic Design	\$34.97	2.60	10.00%	\$100.00	0	\$0.00
Drafting	\$34.97	2.60	10.00%	\$100.00	0	\$0.00
Model Building	\$26.22	2.60	10.00%	\$75.00	0	\$0.00
TOTAL					10	\$2,000.00

STRUCTURAL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$64.43	2.61	10.00%	\$184.98	0	\$0.00
Project Manager	\$43.75	2.61	10.00%	\$125.61	0	\$0.00
Senior Engineer II	\$36.78	2.61	10.00%	\$105.60	0	\$0.00
Senior Engineer I	\$30.53	2.61	10.00%	\$87.65	0	\$0.00
Project Coordinator	\$24.04	2.61	10.00%	\$69.02	0	\$0.00
Engineer II	\$26.65	2.61	10.00%	\$76.51	0	\$0.00
Engineer I	\$25.24	2.61	10.00%	\$72.46	0	\$0.00
Designer II	\$31.73	2.61	10.00%	\$91.10	0	\$0.00
Designer I	\$26.16	2.61	10.00%	\$75.11	0	\$0.00
Administration	\$19.02	2.61	10.00%	\$54.61	0	\$0.00
TOTAL					0	\$0.00

CIVIL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$62.50	2.65	10.00%	\$182.19	0	\$0.00
Project Mgr. PE	\$50.50	2.65	10.00%	\$147.21	0	\$0.00
Project Engineer II (PE)	\$39.91	2.65	10.00%	\$116.34	0	\$0.00
Engineering Designer II	\$39.91	2.65	10.00%	\$116.34	0	\$0.00
Designer II	\$32.00	2.65	10.00%	\$93.28	0	\$0.00
CADD Tech. II	\$21.68	2.65	10.00%	\$63.20	0	\$0.00
TOTAL					0	\$0.00

ELECTRICAL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$62.50	2.65	10.00%	\$182.19	0	\$0.00
Project Engineer II (PE)	\$41.35	2.65	10.00%	\$120.54	0	\$0.00
Engineering Designer II	\$47.25	2.65	10.00%	\$137.73	0	\$0.00
CADD Tech. II	\$18.25	2.65	10.00%	\$53.20	0	\$0.00
TOTAL					0	\$0.00

VISUAL ARTIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Artist	\$80.00	2.75	10.00%	\$242.00	0	\$0.00
Researcher	\$40.00	2.75	10.00%	\$110.00	0	\$0.00
Assistant Designer	\$20.00	2.75	10.00%	\$60.50	0	\$0.00
TOTAL					0	\$0.00

LIGHTING DESIGNER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$68.18	2.00	10.00%	\$150.00	0	\$0.00
Designer	\$50.00	2.00	10.00%	\$110.00	0	\$0.00
TOTAL					0	\$0.00

WATER FEATURE DESIGNER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
President	\$105.52	2.80	10.00%	\$325.00	0	\$0.00
Principal	\$81.17	2.80	10.00%	\$250.00	0	\$0.00
Senior Project Designer	\$56.82	2.80	10.00%	\$175.00	0	\$0.00
Project Engineer	\$56.82	2.80	10.00%	\$175.00	0	\$0.00
Project Designer	\$40.58	2.80	10.00%	\$125.00	0	\$0.00
Designer	\$25.97	2.80	10.00%	\$80.00	0	\$0.00
TOTAL					0	\$0.00

ARBORIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Arborist	\$45.45	2.00	10.00%	\$100.00	0	\$0.00
TOTAL					0	\$0.00

HORTICULTURALIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Horticulturalist	\$56.82	2.00	10.00%	\$125.00	0	\$0.00
TOTAL					0	\$0.00

IRRIGATION CONSULTANT

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Irrigation Designer	\$56.82	2.00	10.00%	\$125.00	0	\$0.00
Irrigation Technician	\$34.09	2.00	10.00%	\$75.00	0	\$0.00
TOTAL					0	\$0.00

HISTORY RESEARCHER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
History Researcher	\$45.45	1.20	10.00%	\$60.00	0	\$0.00
TOTAL					0	\$0.00

COST ESTIMATOR

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Senior Estimator	\$85.00	1.07	10.00%	\$100.00	0	\$0.00
TOTAL					0	\$0.00

	Hours	Cost
GRAND TOTAL	10	2,000

JANUARY 8 MEMORIAL
LABOR COST PROJECTION - CONSTRUCTION PHASE
 CHEE SALETTE ARCHITECTURE OFFICE
 May 25, 2018

PROJECT MANAGER / LANDSCAPE ARCHITECT / ARCHITECT

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Project Management	\$69.93	2.60	10.00%	\$200.00	30	\$6,000.00
Design	\$69.93	2.60	10.00%	\$200.00	30	\$6,000.00
Site Observation	\$52.45	2.60	10.00%	\$150.00	120	\$18,000.00
Technical Design	\$52.45	2.60	10.00%	\$150.00	24	\$3,600.00
Graphic Design	\$34.97	2.60	10.00%	\$100.00	0	\$0.00
Drafting	\$34.97	2.60	10.00%	\$100.00	14	\$1,400.00
Model Building	\$26.22	2.60	10.00%	\$75.00	0	\$0.00
TOTAL				\$160.55	218	\$35,000.00

STRUCTURAL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$64.43	2.61	10.00%	\$184.98	4	\$739.91
Project Manager	\$43.75	2.61	10.00%	\$125.61	12	\$1,507.28
Senior Engineer II	\$36.78	2.61	10.00%	\$105.60	0	\$0.00
Senior Engineer I	\$30.53	2.61	10.00%	\$87.65	0	\$0.00
Project Coordinator	\$24.04	2.61	10.00%	\$69.02	0	\$0.00
Engineer II	\$26.65	2.61	10.00%	\$76.51	0	\$0.00
Engineer I	\$25.24	2.61	10.00%	\$72.46	0	\$0.00
Designer II	\$31.73	2.61	10.00%	\$91.10	13.75	\$1,252.58
Designer I	\$26.16	2.61	10.00%	\$75.11	0	\$0.00
Administration	\$19.02	2.61	10.00%	\$54.61	0	\$0.00
TOTAL				\$117.64	29.75	\$3,499.77

CIVIL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$62.50	2.65	10.00%	\$182.19	1	\$182.19
Project Mgr. PE	\$50.50	2.65	10.00%	\$147.21	8	\$1,177.66
Project Engineer II (PE)	\$39.91	2.65	10.00%	\$116.34	8	\$930.70
Engineering Designer II	\$39.91	2.65	10.00%	\$116.34	0	\$0.00
Designer II	\$32.00	2.65	10.00%	\$93.28	14	\$1,305.92
CADD Tech. II	\$21.68	2.65	10.00%	\$63.20	0	\$0.00
TOTAL				\$116.02	31	\$3,596.47

ELECTRICAL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$62.50	2.65	10.00%	\$182.19	2	\$364.38
Project Engineer II (PE)	\$41.35	2.65	10.00%	\$120.54	0	\$0.00
Engineering Designer II	\$47.25	2.65	10.00%	\$137.73	7.5	\$1,033.00
CADD Tech. II	\$18.25	2.65	10.00%	\$53.20	7.5	\$998.99
TOTAL				\$105.67	17	\$1,796.37

VISUAL ARTIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Artist	\$80.00	2.75	10.00%	\$242.00	0	\$0.00
Researcher	\$40.00	2.75	10.00%	\$110.00	0	\$0.00
Assistant Designer	\$20.00	2.75	10.00%	\$60.50	0	\$0.00
TOTAL					0	\$0.00

LIGHTING DESIGNER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principle / Project Man.	\$68.18	2.00	10.00%	\$150.00	20	\$3,000.00
Designer	\$50.00	2.00	10.00%	\$110.00	9.1	\$1,001.00
TOTAL					29.1	\$4,001.00

WATER FEATURE DESIGNER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
President	\$105.52	2.80	10.00%	\$325.00	0	\$0.00
Principal	\$81.17	2.80	10.00%	\$250.00	4	\$1,000.00
Senior Project Designer	\$56.82	2.80	10.00%	\$175.00	15	\$2,625.00
Project Engineer	\$56.82	2.80	10.00%	\$175.00	19.3	\$3,377.50
Project Designer	\$56.82	2.80	10.00%	\$125.00	0	\$0.00
Designer	\$56.82	2.80	10.00%	\$80.00	0	\$0.00
TOTAL					38.3	\$7,002.50

ARBORIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Arbiculturalist	\$45.45	2.00	10.00%	\$100.00	0	\$0.00
TOTAL					0	\$0.00

HORTICULTURALIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Horticulturalist	\$56.82	2.00	10.00%	\$125.00	0	\$0.00
TOTAL					0	\$0.00

IRRIGATION CONSULTANT

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Irrigation Designer	\$56.82	2.00	10.00%	\$125.00	0	\$0.00
Irrigation Technician	\$34.09	2.00	10.00%	\$75.00	8.4	\$630.00
TOTAL					8.4	\$630.00

HISTORY RESEARCHER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
History Researcher	\$45.45	1.20	10.00%	\$60.00	0	\$0.00
TOTAL					0	\$0.00

COST ESTIMATOR

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Senior Estimator	\$85.00	1.07	10.00%	\$100.00	0	\$0.00
TOTAL					0	\$0.00

					Hours	Cost
GRAND TOTAL					372	\$5,526

JANUARY 8 MEMORIAL
LABOR COST PROJECTION - SUPPLEMENTARY SERVICES (SUB-CONSULTANT BID PHASE)
 CHEE SALETTE ARCHITECTURE OFFICE
 May 25, 2018

PROJECT MANAGER / LANDSCAPE ARCHITECT / ARCHITECT

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Project Management	\$69.93	2.60	10.00%	\$200.00	0	\$0.00
Design	\$69.93	2.60	10.00%	\$200.00	0	\$0.00
Site Observation	\$52.45	2.60	10.00%	\$150.00	0	\$0.00
Technical Design	\$52.45	2.60	10.00%	\$150.00	0	\$0.00
Graphic Design	\$34.97	2.60	10.00%	\$100.00	0	\$0.00
Drafting	\$34.97	2.60	10.00%	\$100.00	0	\$0.00
Model Building	\$26.22	2.60	10.00%	\$75.00	0	\$0.00
TOTAL					0	\$0.00

STRUCTURAL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$64.43	2.61	10.00%	\$184.98	1	\$184.98
Project Manager	\$43.75	2.61	10.00%	\$125.61	1	\$125.61
Senior Engineer II	\$36.78	2.61	10.00%	\$105.60	0	\$0.00
Senior Engineer I	\$30.53	2.61	10.00%	\$87.65	0	\$0.00
Project Coordinator	\$24.04	2.61	10.00%	\$69.02	0	\$0.00
Engineer II	\$26.65	2.61	10.00%	\$76.51	0	\$0.00
Engineer I	\$25.24	2.61	10.00%	\$72.46	0	\$0.00
Designer II	\$31.73	2.61	10.00%	\$91.10	2.1	\$191.30
Designer I	\$26.16	2.61	10.00%	\$75.11	0	\$0.00
Administration	\$19.02	2.61	10.00%	\$54.61	0	\$0.00
TOTAL					4.1	\$501.89

CIVIL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$62.50	2.65	10.00%	\$182.19	0	\$0.00
Project Mgr. PE	\$50.50	2.65	10.00%	\$147.21	3	\$441.62
Project Engineer II (PE)	\$39.91	2.65	10.00%	\$116.34	0	\$0.00
Engineering Designer II	\$39.91	2.65	10.00%	\$116.34	0	\$0.00
Designer II	\$32.00	2.65	10.00%	\$93.28	0	\$0.00
CADD Tech. II	\$21.68	2.65	10.00%	\$63.20	0	\$0.00
TOTAL					3	\$441.62

ELECTRICAL ENGINEER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$62.50	2.65	10.00%	\$182.19	0	\$0.00
Project Engineer II (PE)	\$41.35	2.65	10.00%	\$120.54	0	\$0.00
Engineering Designer II	\$47.25	2.65	10.00%	\$137.73	3.3	\$454.52
CADD Tech. II	\$18.25	2.65	10.00%	\$53.20	0	\$0.00
TOTAL					3.3	\$454.52

VISUAL ARTIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Artist	\$80.00	2.75	10.00%	\$242.00	0	\$0.00
Researcher	\$40.00	2.75	10.00%	\$110.00	0	\$0.00
Assistant Designer	\$20.00	2.75	10.00%	\$60.50	0	\$0.00
TOTAL					0	\$0.00

LIGHTING DESIGNER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Principal	\$68.18	2.00	10.00%	\$150.00	3	\$450.00
Designer	\$50.00	2.00	10.00%	\$110.00	5	\$550.00
TOTAL					8	\$1,000.00

WATER FEATURE DESIGNER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
President	\$105.52	2.80	10.00%	\$325.00	0	\$0.00
Principal	\$81.17	2.80	10.00%	\$250.00	1	\$250.00
Senior Project Designer	\$56.82	2.80	10.00%	\$175.00	0	\$0.00
Project Engineer	\$56.82	2.80	10.00%	\$175.00	2.6	\$455.00
Project Designer	\$40.58	2.80	10.00%	\$125.00	0	\$0.00
Designer	\$25.97	2.80	10.00%	\$80.00	0	\$0.00
TOTAL					3.6	\$705.00

ARBORIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Arborist	\$45.45	2.00	10.00%	\$100.00	0	\$0.00
TOTAL					0	\$0.00

HORTICULTURALIST

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Horticulturalist	\$56.82	2.00	10.00%	\$125.00	0	\$0.00
TOTAL					0	\$0.00

IRRIGATION CONSULTANT

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Irrigation Designer	\$56.82	2.00	10.00%	\$125.00	0	\$0.00
Irrigation Technician	\$34.09	2.00	10.00%	\$75.00	3.6	\$270.00
TOTAL					3.6	\$270.00

HISTORY RESEARCHER

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
History Researcher	\$45.45	1.20	10.00%	\$60.00	0	\$0.00
TOTAL					0	\$0.00

COST ESTIMATOR

Staff Category	Direct Hourly Rate	Overhead Multiplier	Profit %	Hourly Cost	Hours	Cost
Senior Estimator	\$85.00	1.07	10.00%	\$100.00	0	\$0.00
TOTAL					0	\$0.00

					Hours	Cost
GRAND TOTAL					26	3,373