

SALT LAKE CITY MOSQUITO ABATEMENT DISTRICT

Executive Director's Report

March 2024

1. Personnel:

Personnel	
Staff	Seasonal
12	6

Type of Work	2024	3 - Year Average
Adulticiding	0.00	0.00
Wetlands / Rural	46.50	20.25
Fish Culture	50.50	22.00
Catch Basins / Gutters	0.00	0.00
Tree Holes	0.00	0.00
Prison	4.00	0.00
Service Request	0.00	0.00
Traps	23.50	17.83
Laboratory	234.50	142.75
Office / Administration	876.50	715.67
Equipment Maintenance	303.25	263.92
Facility Maintenance	122.75	134.00
Training	282.00	155.58
Education	77.50	4.33
Unmanned Aerial System	0.00	0.67
CSU Grant	87.50	0.00
Other Grants	0.00	0.00
Other / Errands	74.00	63.50
Comp. Time Used	135.25	48.58
Vacation	119.75	97.08
Additional Hours	0.00	8.00
Holidays	0.00	0.00
Sick Leave	20.50	41.67
Total	2,458.00	1,735.83

2. Office Activities:

- Assistant Director White and Laboratory Director Bibbs continue seasonal interviews during March.
- Executive Director Faraji completed his Ogden Airport badging on 1 March 2024.

- Executive Director Faraji attended the Entomological Society of America's Medical, Urban, and Veterinary Entomology leadership call on 1 March 2024.
- Executive Director Faraji, Assistant Director White, CFO Fairbanks, Laboratory Director Bibbs, Education Specialist Rehbein, Molecular Biologist Byers, Operations Supervisor Hardman, Trustee Mooers, and Trustee Vickers attended the annual conference of the American Mosquito Control Association in Dallas, Texas on 4-8 March 2024. All members of staff and Trustee Vickers also provided presentations, participated and organized symposiums, and played an active role in leadership positions.
- The District hosted the Northpoint Consolidated Irrigation Company for their annual meeting on 6 March 2024.
- The District hosted the Southshore Water Management association for their annual meeting on 9 March 2024.
- Executive Director Faraji and Assistant Director White attended the weekly meetings of the Rocky and High Plains Vectorborne Center on 11 March 2024.
- Education Specialist Rehbein met with Ellen Eiriksson (NHMU) and Michael Rotter (UVU) to discuss university/college engagement for the City Nature Challenge in April on 11 March 2024.
- Education Specialist Rehbein met Media Cause and AMCA (Kristen Healy, Dan Markowski, Peter Bonkrude) on 11 March 2024.
- CFO Fairbanks attended the virtual URS/PEHP Employer Event on 12 March 2024.
- Education Specialist Rehbein met with Ashley Byers and Esther Daranciag at Day Riverside Library to discuss programming events on 12 March 2024.
- Laboratory Director Bibbs and Education Specialist Rehbein hosted the University of Utah's Conservation Biology class with Dr. Cagan Sekercioglu on 12 March 2024.
- Executive Director Faraji and Assistant Director White attended the monthly meeting of the Utah Mosquito Abatement Association on 13 March 2024.
- Executive Director Faraji, Assistant Director White, and Urban Field Supervisor Sorensen attended the weekly meetings of the Owner/Architect/Engineers on 13 March 2024.
- Education Specialist Rehbein met with Ellen Eiriksson (NHMU) and other collaborating partners for the City Nature Challenge planning on 13 March 2024.
- Executive Director Faraji met with Dr. Larry Reeves from UF-FMEL regarding research projects on 14 March 2024.
- Executive Director Faraji and CFO Fairbanks met with Curtis Tonks from UGLT regarding insurance premiums and workman's comp on 14 March 2024.
- Executive Director Faraji and Laboratory Director Bibbs met with PESTIE regarding repellent and/or product evaluations on 14 March 2024.
- Executive Director Faraji met with Michael Banfield from Banfield Biologics regarding grant partnerships on 14 March 2024.
- Executive Director Faraji met with Nathan Venarske from Mississippi State University regarding trap evaluations on 14 March 2024.
- Laboratory Director Bibbs conducted a follow up call with PESTIE on 15 March 2024.
- Education Specialist Rehbein and Assistant Director White presented to science classes at Centerville Junior High School on 15 March 2024.
- The District hosted the Lakefront Management Club for their annual meeting on 16 March 2024.
- Executive Director Faraji and Assistant Director White met with Ryan Arkoudas from Clarke Mosquito Control on 18 March 2024.
- Education Specialist Rehbein attended a Designated Safety Office webinar through the ULGT on 18 March 2024.

- Education Specialist Rehbein conducted an interview with Britt Johnson from KSL News Radio on 18 March 2024.
- Executive Director Faraji and Assistant Director White attended the weekly meetings of the Rocky and High Plains Vectorborne Center on 18 March 2024.
- Executive Director Faraji met with Dr. Brad Willenberg from UCFL regarding research projects on 19 March 2024.
- Education Specialist Rehbein met with Elizabeth Moretz from the Salt Lake Center for Science Education on 19 March 2024.
- Executive Director Faraji met with Jeff von Kaenel and Elizabeth Morabito from News & Review Publications on 19 March 2024.
- Executive Director Faraji met with attorney Rachel Anderson on 19 March 2024.
- Executive Director Faraji, Assistant Director White, and Laboratory Director Bibbs met with Dr. Norah Saarman from USU and two students regarding research projects on 20 March 2024.
- Executive Director Faraji met with Dr. Kevin Caillouette from St. Tammany Parish Mosquito Abatement District on 20 March 2024.
- Executive Director Faraji, Assistant Director White, and Urban Field Supervisor Sorensen attended the weekly meetings of the Owner/Architect/Engineers on 20 March 2024.
- Executive Director Faraji and Assistant Director White met with Dr. Brian Foy and Dr. Tim Burton from the Rocky and High Plains Vectorborne Center on 20 March 2024 regarding budgets.
- Laboratory Director Bibbs conducted a phone call with Procter and Gamble about mosquitoes in Utah on 21 March 2024.
- Assistant Director White and Education Specialist Rehbein attended the weekly meetings of the Rocky and High Plains Vectorborne Center on 25 March 2024.
- Education Specialist Rehbein met with Kelsey Mitchell to discuss our partnership on the WIPMC grant project on 25 March 2024.
- Laboratory Director Bibbs and Molecular Biologist Byers attended and presented at the annual Anastasia Mosquito Control District's Arbovirus and Vector Surveillance workshop on 25-29 March 2024.
- Education Specialist Rehbein met with Representative Angela Romero and Mikenzie Orozco on 26 March 2024.
- Education Specialist Rehbein visited SLCC to give guest lectures at Dr. Emmanuel Santa-Martinez's biology classes on 26 March 2024.
- Education Specialist Rehbein met with Craig Wallentine, Shawn Anderson, Randall Honey, Brandi O'Brien, Becky Burrage, Brian Moench, Molly Prince, Karen Thompson, Heide Kubbe, Heather Dove, and Tena Rohr on 27 March 2024 for a USCF Biting Insect Mitigation meeting
- CFO Fairbanks completed the IRS ACA transmission filing on 28 March 2024.
- Education Specialist Rehbein met with Kate Peyser (AMG) to discuss AMCA social media on 28 March 2024.
- Education Specialist Rehbein met with Chance Broderius, Keith Lawrence, and Kaitlyn Purington from UDWR on 29 March 2024.

3. Shop/Field Activities:

- All vector surveillance trap poles have been placed in the field. Surveillance starts the week of 1 April 2024.
- All calibrations and maintenance are continuing.
- Vehicle and equipment maintenance continues.
- Facility maintenance continues.

- De-winterization of facility and equipment has begun.

4. Field Data:

Control:

ACRES TREATED

	Adulticide		Larvicide		Total
	Ground	Aerial	Ground	Aerial	
March's Total	0.00	0.00	0.00	0.00	0.00
March's 3 Year Avg.	0.00	0.00	0.16	0.00	0.16

Service Requests:

MOSQUITO SERVICE OPPORTUNITIES RECEIVED BY MONTH

	March	April	May	June	July	Aug.	Sept.	Oct.	Total
2024									
3-Year Avg.									

Inspection and Surveillance:

Larval Collections		
Species	April	5-Year Average
<i>Ae. campestris</i>	0	0.8
<i>Ae. dorsalis</i>	2	1.6
<i>Ae. fitchii</i>	0	0.0
<i>Ae. increpitus</i>	0	0.2
<i>Ae. nigromaculis</i>	0	0.0
<i>Ae. niphadopsis</i>	0	0.2
<i>Ae. sierrensis</i>	0	0.0
<i>Ae. varipalpus</i>	0	0.0
<i>Ae. vexans</i>	0	0.0
<i>Cx. erythrothorax</i>	0	0.0
<i>Cx. pipiens</i>	0	0.0
<i>Cx. tarsalis</i>	1	0.0
<i>Cs. incidens</i>	0	0.0
<i>Cs. inornata</i>	1	0.0
<i>An. freeborni</i>	1	0.0
Total	5	2.8

5. Weather:

March's weather was colder (by 0.9°) and wetter (by 0.33") than normal.

Temperature:

	Monthly Avg.	Normal	High	Low
February	40.9°	36.6°	63°	24 °
March	44.9°	45.8°	68°	25 °

<https://w2.weather.gov/climate/index.php?wfo=slc>

Precipitation:

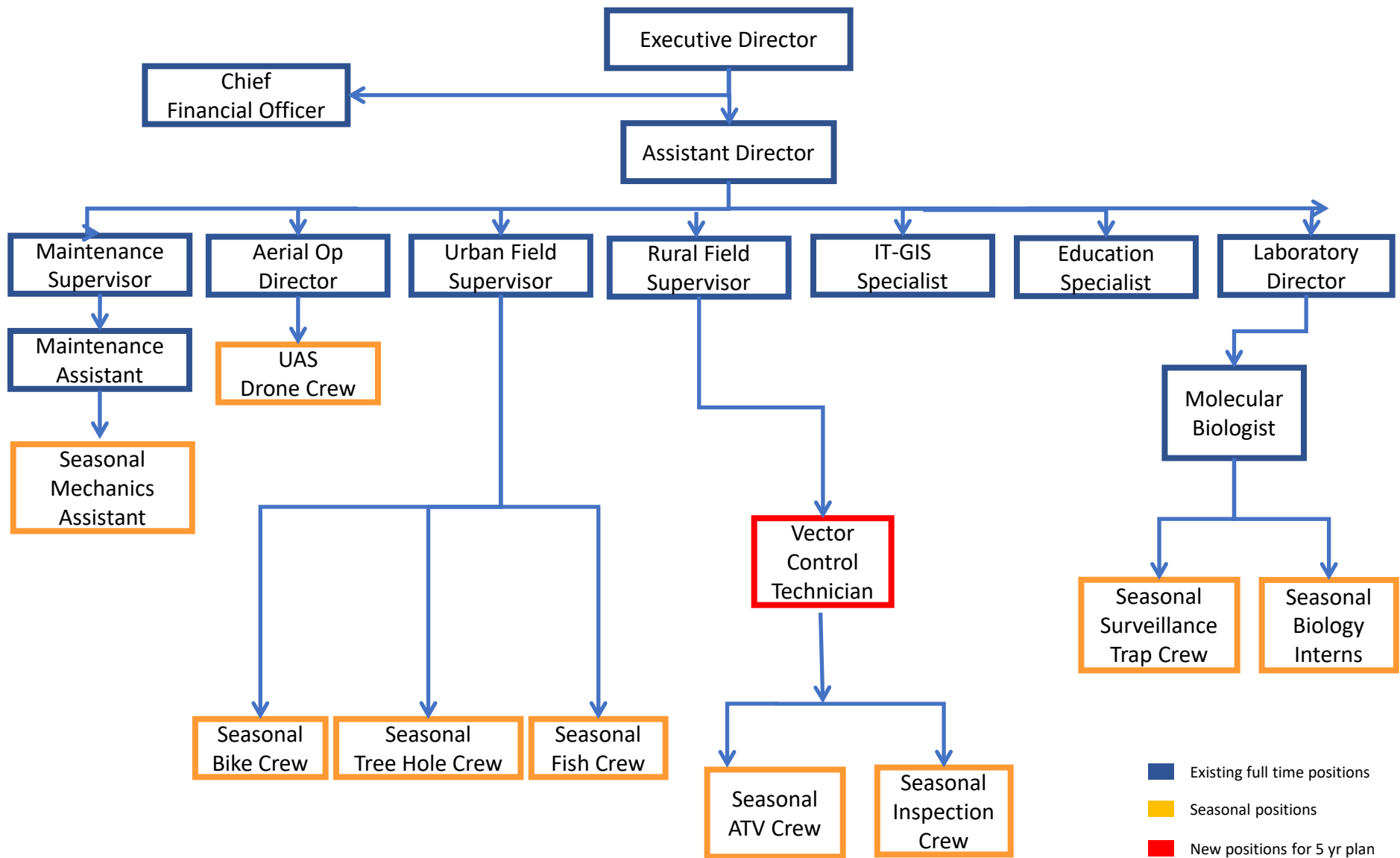
	Total for Month	Normal	Most in 24 hours
February	3.37"	1.30"	1.08" on 2 nd
March	2.08"	1.75"	0.37" on 12 th

<https://w2.weather.gov/climate/index.php?wfo=slc>

Great Salt Lake (elevation in feet above sea level):

	February 1	March 1	April 1
2023	4,190.0 ft.	4,190.6 ft.	4,191.4
2024	4,192.8 ft.	4,193.8 ft.	4,194.3

<https://waterdata.usgs.gov/monitoring-location/10010024/#parameterCode=62614&period=P7D>





March 29, 2024

Dr. Norah Saarman
Department of Biology

RE: Office of Research Seed Grant Application

Dear Dr. Saarman,

An internal review committee comprised of representatives from the Office of Research and USU academic colleges met recently to evaluate the seed grant proposals submitted for the April 1, 2024 start date. Many excellent proposals were submitted, and we are pleased to inform you that your ITR proposal entitled **“Genetics and Adaptive Management of Insecticide Resistance in Culex Mosquitoes in Utah”** has been selected for funding. Congratulations!

Your seed grant **start date is May 15, 2024, ending May 14, 2026**. Your approved budget is attached. This budget needs to be signed by you and your business manager, your unit number added, and returned to Jeri Hansen as soon as possible for your award index to be set up.

The terms and conditions associated with this award are also attached. A mid-project progress report will be due on May 31, 2025. See the attached terms and conditions for report requirements. Please remember that in accepting this award, you have agreed to submit an extramural grant proposal to the outside agency you targeted in your seed grant on or before August 31, 2026.

Finally, comments and suggestions from the review panel are included with this letter. Although your project scored very well, we encourage you to consider these comments carefully in the hope they may help you develop a more competitive extramural grant proposal.

If you have questions or need further assistance with this matter, please contact Jeri Hansen, Research Development Director (jerilyn.hansen@usu.edu).

We congratulate you on receiving this award and wish you success with your research.

Respectfully,

A blue ink signature of Lisa M. Berreau.

Lisa M. Berreau
Vice President for Research

A blue ink signature of Jeri Hansen.

Jeri Hansen
Director of Research Development

CC: Michelle Baker, Dean
Susannah French, Research Associate Dean
Al Savitzky, Interim Department Head
Mike Long, Business Manager

Phase 3 – Hangar, Helipad, Pesticide Lab

PROFESSIONAL SERVICES AGREEMENT
For
PROJECT/PROGRAM MANAGEMENT SERVICES
AMENDMENT #002

THIS AMENDMENT to the PROFESSIONAL SERVICES AGREEMENT is made and entered into as of February 28, 2024, between Salt Lake City Mosquito Abatement District, ("OWNER"), and MOCA Systems Inc. ("Consultant") located at 17 Exchange Place, Boston Building, Salt Lake City Utah 84111("CONSULTANT").

OWNER and CONSULTANT hereby agree to all provisions of the original Agreement for the Project identified above except as modified in Attachment "A" to this document.

Through this Amendment it is agreed that the previous contract sum will be adjusted by Three Hundred Thiry Nine Thousand Six Hundred Fourteen Dollars and Zero Cents (\$339,614.00).

Original Contract Sum..... = \$30,000.00
Net Change by previously authorized Amendments..... = \$36,000.00
Contract Sum prior to this Amendment..... = \$66,000.00
Contract Sum increase/(~~decrease~~) by this Amendment..... = \$339,614.00
New Lump Sum (not to exceed) Contract Total..... = \$405,614.00

IN WITNESS WHEREOF, the parties have signed this Agreement Amendment to be effective as of the day and year first above written.

OWNER – Salt Lake Mosquito Abatement District

By: Ary Faraji

Its: Executive Director (c/o SLCMAD)

Signature: 

Date: 1 April 2024

MOCA Systems, Inc.

By: ~~David H. Hart, FAIA~~ **Paul Ernst**

Its: Vice President/~~Regional Manager~~

Signature: 

Date: April 3, 2024

EXHIBIT “A”

PROJECT/PROGRAM MANGEMENT AMENDED WORK SCOPE

The following outlines the Owner’s Representative Amended Scope of Work:

I. PERIOD OF PERFORMANCE

MOCA’s understanding of the approximate timeline for the project milestones is as follows:

- **Phase 3** = 17 months following the execution of contract and issuance of a Notice to Proceed from the Owner.
- **Proposed Schedule:**
 - **Design Development complete:** February 23rd, 2024
 - **Construction Documents complete:** April 15th, 2024
 - **City Permit Review Issue:** April 1st, 2024
 - **Contractor RFQ Issue:** April 15th, 2024
 - **Contractor RFQ complete:** May 3rd, 2024
 - **Contractor RFQ Review & Selection:** May 10th, 2024
 - **Issue for Contractor Bids:** May 11th, 2024
 - **City Permit Review complete:** May 24th, 2024
 - **Contractor Bids Due:** June 7th, 2024
 - **Contractor Selection:** June 14th, 2024
 - **Contractor Contract Execution:** June 28th, 2024
 - **Construction start:** July 15th, 2024
 - **Construction complete:** June 30th, 2025
 - **Phase 3 complete:** July 31st, 2025

II. OWNER’S REPRESENTATIVE SCOPE

Phase 3: Design Development; Construction Documents; Bidding; Construction Administration; Project Close-out; Warranty Phases – Scope and Fee Proposal

MOCA proposes the Phase 3 implementation includes the following basic scope of services:

1. Phase 3 – Architect/Engineer Design Development; Construction Documents:
 - a. MOCA will continue to attend/facilitate design review meetings as required for Design Development and Construction Document process.
 - b. Ensure the design team establishes requirements for coordination with authorities having jurisdiction, including but not necessarily limited to City, County, Planning/Zoning, FAA, etc.
 - c. Review and comment on the Design Development and Construction Documents provided by the Design Team.
 - d. Review and comment on the Design Development and Construction Document estimates provided by the Design Team.

- e. Provide advice to owner on value engineering recommendations.
 - f. Monthly review/processing of the Design Team's invoices.
 - g. Monitor the design schedule and provide status updates regarding Design Development and Construction Document progress.
 - h. Monitor and update the "overall" project budget based on the outcome of the Design Development and Construction Document process. The updated budget will include:
 - i. Estimated construction costs will include the Architects DD and CD cost estimate and applicable mark ups.
 - ii. Updated owner project "soft" costs based on estimates and actual costs.
 - iii. Project contingencies for all project costs (Owner and Construction costs)
 - i. MOCA will assist the A/E in the refinement of a high-level project schedule that will project the major project elements through completion.
 - j. MOCA will ensure applicable geotechnical, site survey, environmental survey, etc. has been performed or is on track to be performed as required to prepare for design phase activities.
 - k. Provide updates, as required, regarding overall project status especially as related to schedule and budget.
2. Phase 3 – Contractor Procurement:
- a. MOCA will prepare an RFQ for SLCMAD's review and comment for Contractor Services.
 - b. Review and provide comments regarding MOCA's opinion of the quality/suitability of each response to the RFQ.
 - c. Participate in the "short list" selection process.
 - d. MOCA will assist SLCMAD's in the development and preparation of the documentation for the bidding and selection process for Contractor.
 - e. Participate in any contractor interview process.
 - f. Assist SLCMAD in conducting a contractor pre-bid conference.
 - g. Participate in evaluation of submitted bids.
 - h. Participate in the review and provide comments on the Contractors contract.
 - i. Assist SLCMAD in facilitation of the Contractors contract execution as required.
3. Phase 3 – Construction Administrative Services:
- a. Serve as the interface between the Contractor, AOR and the Owner.
 - b. Perform a pre-construction kickoff meeting to include the Owner, AOR and Contractor.
 - c. Monitor construction progress.
 - d. Provide monthly schedule and budget updates.
 - e. Walk the project site weekly.
 - f. Provide monthly construction updates.
 - g. Provide photo documentation of construction progress.
 - h. Attend weekly Owner, Architect, Contractor (OAC) meetings.
 - i. Review and recommend monthly contractor invoices for processing.
 - j. Facilitate the review and monitor processing of contractor RFIs and Change Requests.

- k. Participate in the development of punch lists and the punch list walkthroughs as required.
- l. Ensure delivery of O&M manuals and warranties.
- m. Ensure required Owner Training is conducted by the Contractor.
- n. Facilitate and participate in the 11-month warranty walkthrough.
- o. Provide primary point of contact for communicating all project information.

We anticipate that Phase 3 will take approximately 23 months from start of Design Documents to construction completion and project closeout.

III. DELIVERABLES

Deliverables will be as follows in each of the sections:

Phase 3:

- a. Design Development Review Comments
- b. Construction Document Review Comments
- c. Contractor Request for Qualifications
- d. Contractor Bid Review and Selection
- e. Contractor Schedule Review Comments
- f. Project Budget Review and Comments
- g. Monthly project status updates
- h. Recommendations for payment of monthly invoices

IV. ADDITIONAL SERVICES

Any services not expressly outlined herein shall be deemed additional services. This proposal is predicated upon the project scope as defined by the current Design Development documents, project schedule and MOCA scope of services as outlined above. MOCA reserves the right to request additional services if any of those change due to no fault of our own.

In the event that additional services become necessary, MOCA will collaborate with the Salt Lake City Mosquito Abatement District to determine the required scope of services. Any such additional scope of services will be documented in an amendment to this Agreement, which will be signed by both parties prior to the commencement of the additional work. The cumulative total project value under this Agreement shall not exceed Twenty-Five Million Dollars (\$25,000,000).