

FIRST AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT BETWEEN THE CITY OF POMONA, AND STANTEC CONSULTING SERVICES, INC. REGARDING IMPLEMENTING THE COORDINATED INTEGRATED MONITORING PROGRAM OF THE EAST SAN GABRIEL VALLEY WATERSHED MANAGEMENT GROUP

THIS FIRST AMENDMENT TO THE AGREEMENT (FIRST AMENDMENT) is entered into by and between the CITY OF POMONA (CITY), AND STANTEC CONSULTING SERVICES, INC. (STANTEC).

RECITALS

WHEREAS, in September of 2017, the CITY's Council approved the Professional Services Agreement for the implementation of the Coordinated Integrated Monitoring Program (CIMP) on behalf of the East San Gabriel Valley Watershed Management Group (ESGVWMG);

WHEREAS, the LEAD AGENCY will enter into a Professional Services Agreement for FY2017-18 and FY 2018-19 on behalf of the ESGVWMG in the amount of \$506,638 for cost sharing as per the Agreement and Exhibits; and

WHEREAS, the PARTIES, desire to enter into this FIRST AMENDMENT to change the LEAD AGENCY under the same terms and conditions as the AGREEMENT.

NOW, THEREFORE, the PARTIES hereby agree as follows:

1. This FIRST AMENDMENT extends the term of the AGREEMENT for City of Pomona to be the LEAD AGENCY during the term of this AGREEMENT.
2. All other terms and conditions of the Agreement shall remain in full force and effect.
3. The LEAD AGENCY shall be the contracting party entering into contracts to carry out the Coordinated Integrated Monitoring Program (CIMP) on behalf of the ESGVWMG.
4. The LEAD AGENCY shall enter into a Professional Services Agreement with Stantec for Fiscal Years 2017-2018 and through December 31, 2018 (FY 2018-2019) to continue with implementation of the CIMP, with anticipated expenses to all PARTIES as identified in Exhibit 1.

IN WITNESS WHEREOF, the PARTIES hereto have caused this FIRST AMENDMENT to be executed by their duly authorized representatives and affixed as of the date of signature of the PARTIES:

[Signatures on following pages]

CITY OF CLAREMONT

By _____
Tara Schultz, City Manager

Date

ATTEST:

By _____
Shelley Desautels, City Clerk

Date

APPROVED AS TO FORM:

By _____
City Attorney

Date

CITY OF LA VERNE

By _____
Robert Russi, City Manager

Date

ATTEST:

By _____
Lupe Estrella, Assistant City Clerk

Date

APPROVED AS TO FORM:

By _____
Robert Kress, City Attorney

Date

CITY OF POMONA

By _____
Linda Lowry, City Manager

Date

ATTEST:

By _____
Marie M. Macias, Interim City Clerk

Date

APPROVED AS TO FORM:

By _____
Arnold M. Alvarez-Glasman, City Attorney

Date

CITY OF SAN DIMAS

By _____
Blaine Michaelis, City Manager

Date

ATTEST:

By _____
Debra Black, City Clerk

Date

APPROVED AS TO FORM:

By _____
Mark Steres, City Attorney

Date

March 30, 2018

Mr. Darron Poulsen
Water Resources Director
City of Pomona
505 South Garey Avenue
Pomona, CA 9176

Subject: CIMP Implementation Proposal

Dear Mr. Poulsen:

Stantec Consulting Services Inc. (Stantec) is pleased to provide the following cost estimate in support of implementation of the Coordinated Implementation Monitoring Program (CIMP) from October 1, 2018 through December 31, 2019. The scope of the work is based on the documents submitted on behalf the East San Gabriel Valley Watershed Management Group (ESGVWVG or Group) to meet the requirements of the 2012 National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System Permit (MS4 Permit). This cost estimate is broken out into two components: (1) project management, and (2) CIMP implementation. It should be noted, that the CIMP is designed using the minimum number of receiving water and outfall monitoring locations and still comply with the Los Angeles County MS4 permit. To be acceptable to the Regional Water Quality Control Board (RWQCB), the CIMP is written to cover the entire group area and provide information equally to the group members. Implementing the CIMP will provide a foundation for decision support for future activities and the adaptive management process.

Scope of Work

Task 1 - Project Management

Stantec will provide project and task management as detailed in this technical approach to the CIMP throughout the duration of the project. Stantec will report to the City of Pomona as the lead agency for the group. Stantec will also coordinate with team members as necessary through the duration (15 months) of this project to ensure successful completion. This Task consists of contract and task administration as identified in the Fee Estimate for the 15-month period through December 31, 2019. The task can be summarized with the following key items:

- The Stantec team will conduct one kick-off meeting with the City of Pomona, one field kick-off meeting, and up to 15 project status meetings. Key staff members will participate in the kick-off meeting. Agendas and meeting minutes will be prepared by the Stantec team for each meeting.
- The Stantec team will prepare PowerPoint slideshows and conduct presentations of the draft Annual Report, once a year for two years.
- The field kick-off meeting will be held prior to the first monitoring event of the 2018/19 monitoring season. Following a presentation of the monitoring approach the Stantec team will conduct a tour of the monitoring sites. The field kick off meeting is anticipated to take approximately 4 hours.

Task 2 - CIMP Implementation

Implementation of the CIMP allows for an evaluation of the impacts from MS4 discharges to provide decision support for actions to improve water quality and enable the Group to comply with the MS4 Permit. The first three years of CIMP implementation are critical to ensuring the efficiencies gained in the adaptation of MS4 Permit monitoring requirements are maintained into the future; the first year of CIMP

implementation was the 2015/16 monitoring season. The RWQCB and non-governmental organizations will be monitoring CIMP implementation closely to ensure the innovative and adaptive approaches continue to meet the requirements of the MS4 Permit.

The CIMP Implementation for the ESGV Group monitoring is composed of five sub-elements:

1. Equipment Rental and Installation
2. Receiving Water Monitoring
3. Stormwater Outfall Monitoring
4. Non-Stormwater Outfall Evaluation
5. Data Management and Reporting

Task 2.1 - Equipment Purchase and Installation

Stantec will obtain necessary approvals and permits to install monitoring equipment and to collect samples from each of the three receiving water and outfall monitoring locations. Stantec will purchase the monitoring equipment necessary for this project and install it at the sites listed in Table 1. Equipment will consist of auto samplers, flow meters, water quality monitoring probes (pH, conductivity, TDS, DO) and associated supplies. The monitoring equipment will be configured to take composite samples. Stantec will dispatch field teams to perform monthly inspection, maintenance, and calibration throughout the 2018/19 monitoring season. The field teams will perform necessary repairs to keep the monitoring equipment operational. Stantec will apprise the ESGVWMG of major equipment problems and/or maintenance issues. Stantec will conduct field calibration QA/QC checks at the monitoring stations to ensure equipment operability after the monitoring equipment is installed.

The flow meters shall be operated to continuously log flows during the monitoring season. At the end of the monitoring season, Stantec will demobilize the monitoring equipment and return it to the ESGVWMG.

Task 2.2 - Receiving Water Monitoring

The Stantec team will collect and analyze stormwater data as specified in the CIMP at three receiving water monitoring sites. The long-term assessment (LTA) site and two TMDL sites is scheduled for installation in 2018. Table 1 below provides the anticipated schedule of the installation and monitoring activities for both receiving water and stormwater outfall locations. These locations may change based on implementation needs and discussions with the Group.

The Stantec team will conduct three wet weather and four dry weather monitoring events at each site during each monitoring season for the specific constituents detailed in the CIMP. Criteria contained within the CIMP regarding conditions for qualifying wet weather and dry weather monitoring events will be adhered to.

We assumed that toxicity will not be exceeded and no Toxicity Identification Evaluations (TIEs) will need to be conducted. Once data indicates a concern and a TIE is required, we will work with the group to evaluate the next steps.

Costs for analysis were estimated to be approximately \$32,500. Adjustments will be made based on actual analysis, which will be billed on a time and materials basis and discussed with the Group.

The Stantec team will communicate to the contracting agency prior to and upon activation of sampling teams. The notification will contain at a minimum:

- Anticipated start time and date of the monitoring event
- Anticipated highest total amount of rain during any given 24-hour period during the event
- Probability of the precipitation
- Source(s) of weather prediction

- Tests to be run on samples taken at each site
- Confirmation that the laboratory has been notified to expect samples
- Name and cell phone number of the Stantec team's monitoring event coordinator

Field leads will be present during the wet-weather events to provide equipment trouble shooting and guidance to the monitoring teams during the collection of stormwater samples.

Task 2.3 - Storm Water Outfall Monitoring

The Stantec team will perform three wet weather monitoring events during the 2018/2019 monitoring season in concert with receiving water monitoring for the specific constituents detailed in the approved CIMP. Criteria contained within the approved CIMP regarding proper conditions for qualifying wet weather monitoring events will be adhered to. If additional constituents are identified through analysis of the Table E-2 constituents, they will be added as appropriate to the regular monitoring list consistent with the "trigger" procedures outlined in the CIMP. Additionally, the constituents would be added to the monitoring lists for upstream outfalls and TMDL monitoring sites consistent with the "trigger" procedures outlined in the CIMP. For the purposes of this cost estimate, stormwater outfall monitoring costs were estimated to be approximately \$10,500. Adjustments will be made based on actual analysis, which will be billed on a time and materials basis and discussed with the Group.

The Stantec team will communicate to the lead agency prior to the precipitation event and upon activation of sampling teams. The notification will contain at a minimum the information previously stated for receiving water monitoring in Task 2.2.

Samples collected will be transferred to a laboratory or laboratories certified by the State of California to perform the required chemistry analysis of water, bacteriological indicator analysis of water quality samples, and toxicity analysis of water quality samples. Selected laboratories will meet the approved/modified detection and reporting limits identified in the Approved CIMP and MS4 Permit.

This effort includes development of tool for predicting runoff (sample composite) volumes for different storm depths and intensities.

Table 1 below provides the anticipated schedule of monitoring activities for both receiving water and stormwater outfall locations. These locations may change based on implementation needs and discussions with the Group.

Table 1 – Summary of ESGV Group Receiving Water and Stormwater Monitoring Implementation Schedule

Location	Water Body	Monitoring Type (# Wet/# Dry Events)			Storm Season
		LTA	TMDL	SW Outfall	
ESGV_LOW_DS	Live Oak Wash	3/4	3/4		2018-2019
ESGV_SJC_DS	San Jose Creek		3*/4		2018-2019
ESGV_SDW_DS	San Dimas Wash		3/4		2018-2019
Big Dalton Wash	MTD 766			3/4**	2018-2019
Upper San Jose Creek	BI 0566 Line A			3/4**	2018-2019
Upper Chino Creek	San Antonio Drain Unit 1			3/4**	2018-2019
ESGV_LOW_DS	Live Oak Wash	3/4	3/4		2018-2019

* Assume RWQCB will accept request to reduce wet weather metals monitoring from four to three events.

** TMDL Indicator Bacteria monitoring only.

Task 2.4 - Data Management and Reporting

To maintain a high-quality dataset of the collected environmental data, the Stantec team will assume separate roles of data collection and data evaluation. By maintaining the separation, the QA/QC review remains unbiased. The Stantec team has developed templates and data processing tools that efficiently receive electronic data from laboratories, identify out-of-range results, perform data qualification, and export data to a State Water Resources Control Board Surface Water Ambient Monitoring Program (SWAMP) compatible format. Additionally, data analysis routines provide an automated comparison of program data to relevant water quality objectives contained in the Los Angeles Basin Plan, California Toxics Rule, Title 22 drinking water standards, and California Ocean Plan. The resulting water quality objectives comparison functionality is used to develop event-based summaries of water quality exceedances, to keep the Group updated. These queries support and supplement the semi-annual reports required under the NPDES permit.

Post Event Monitoring Reports

The Stantec team will provide draft Post-Event Monitoring Reports within three weeks of receipt of laboratory monitoring data following a monitoring event using all available data that have gone through our quality assurance/quality control (QA/QC) process. Final post-event monitoring reports will include at a minimum:

- A summary of the monitoring event
- Copies of field logs
- Flow and rainfall data
- Hydrographs and Hyetographs
- Photo Documentation

Field forms and photo documentation photos will be submitted in a manner which they may also be included as an appendix to the Annual Report or as a separate document.

Samples collected will be transferred to a laboratory or laboratories certified by the State of California to perform the required chemistry analysis of water and sediment quality samples, bacteriological indicator analysis of water quality samples, and toxicity analysis of water. Selected laboratories will meet the approved/modified detection and reporting limits identified in the Approved CIMP and MS4 Permit.

Annual Report

The Stantec team will provide draft and final Annual Reports for the 2018/19 monitoring seasons to capture the details of the efforts captured in the previous tasks and will include field data and a summary of the monitoring events. Draft Annual reports will be submitted electronically in word and PDF format. Final Annual reports will be prepared within three weeks of receipt of a single compiled set of draft report comments. The final Annual Report will be delivered as a PDF format for submittal to the Regional Board.

Additionally, to support adaptive management, the reports will include a comparison of observed runoff volumes and pollutant concentrations to those predicted by the ESGV RAA model. Recommendations regarding over- or under-prediction of volumes/concentrations will be provided, including whether zinc exceedances are as frequent as predicted during RAA development.

Health and Safety Plan

The existing Health and Safety Plan (HSP) will be reviewed by the field teams. The Stantec team will leverage existing plans for similar work to meet local, state, and Federal Occupational Health and Safety Administration health and safety requirements. The Stantec team will provide pdf copies of the HSP prior to the start of field work. The HSP will address both general and site-specific safety concerns. Typical topics include first responder protocols, site security and access controls, traffic control measures, confined space rules, slip/trip/fall hazards and protection, safe handling and spill protection of chemicals, PPE requirement, and electrical safety.

Cost Estimate

Stantec has prepared a detailed cost estimate for the labor and expenses necessary to complete the proposed scope of work and the proposed schedule described in this proposal (refer to Attachment A). The total estimated cost for the above scope of work is \$329,897. Stantec services will be charged on a time-and-materials basis in accordance with the terms and conditions of a mutually agreeable contract.

Schedule

The project schedule is shown in Attachment B. The schedule identified key milestones, deliverables, and activity durations for this project. The project has an assumed start date of October 1, 2018 and end date of December 31, 2019.

We look forward to working with the ESGVWMG to provide professional services for this important project. If you have questions or require further information, please contact Ed Othmer at 619.279.3682.

Sincerely,




David S. Harrison, PE, BCEE
Vice President
California Regional Manager



Ed Othmer, PE, CPESC, CPSWQ.
QSP/D ToR, QISP ToR, ENV SP
California Stormwater Sector Leader
Project Manager

Cost Proposal

ESGV Implementation of Coordinated Integrated Monitoring Program and Watershed Mangement Program - NPDES MS4 Compliance																													
MWH Fee Estimate - 2018/2019																													
Activity No.	Contract Hourly Rate	MWH Americas Inc.							Subconsultants																Other Direct Costs (ODCs) – Materials, Equipment, Fees, Transportation, Lodging, Meals	FY2019 (10/1/2018 - 6/30/2019)	FY2020 (7/1/2019 - 12/31/2019)	TOTAL PROJECT COST	
		265	149	143	101	122	106	TOTAL HOURS (Project Engineering / Management)	LABOR FEE (Project Engineering / Management)	270	270	237	237	160	160	160	122	83	TOTAL HOURS (Project Engineering / Management)	Larry Walker Associates FEE Estimate	178	100	TOTAL HOURS (Project Engineering / Management)	Field Support FEE ESTIMATE					Laboratory Analysis
		ACTIVITY DESCRIPTION	Technical Review	Professional Engineer	Associate Engineer	Field Technician	Senior Contract Administrator			Administrator	Senior Advisor	Principal Engineer	Senior Engineer	Senior Scientist	Staff Scientist	Assistant Engineer	Senior Technician	GIS Specialist			Administrative Support	Senior Engineer							
																													
1.0	Task 1 – Project Management, Coordination, & Meetings	80	160	24			75	339	\$ 56,376		36				32				68	\$ 14,821	4		4	\$ 711	\$ -	\$ 3,600	\$ 40,622	\$ 34,886	\$ 75,508
1.1	Kick-Off Meeting	2	4					6	\$ 1,125		8								8	\$ 2,157				\$ -		\$ 600	\$ 3,882	\$ 3,882	
1.2	Project Meetings, Preparation of Agendas and Minutes (12)	24	48				15	87	\$ 15,086		24				24				48	\$ 10,307				\$ -		\$ 3,000	\$ 14,196	\$ 14,196	\$ 28,393
1.3	Field Kick-Off Meeting	2	8	24				34	\$ 5,156											\$ -	4		4	\$ 711		\$ -	\$ 5,867	\$ 5,867	
1.4	Presentation of Draft Annual Report (1)	4	4					8	\$ 1,655		4				8				12	\$ 2,357				\$ -		\$ -	\$ 4,012	\$ 4,012	
1.5	Project Management, Project Schedule, Monthly Updates	48	96				60	204	\$ 33,355											\$ -				\$ -		\$ 16,677	\$ 16,677	\$ 33,355	
2.0	Task 2 - CIMP Requirements	69.5	76	503			1	649.5	\$ 101,868	6	72	68	40	89	112			7	394	\$ 79,299		210	210	\$ 21,000	\$ 43,223	\$ 9,000	\$ 189,492	\$ 64,898	\$ 254,389
2.1	Equipment Purchase and Installation																											\$ -	
2.1.1	Equipment Purchase								\$ -											\$ -				\$ -				\$ -	
2.1.2	Equipment Permitting and Installation								\$ -											\$ -				\$ -				\$ -	
2.1.3	Monthly Data Download and Equipment Maintenance (12)			96				96	\$ 13,749											\$ -						\$ 13,749		\$ 13,749	
2.1.4	Equipment Demobilization			23				23	\$ 3,294											\$ -		30	30	\$ 3,000			\$ 6,294	\$ 6,294	
2.2	Receiving Water TMDL Monitoring																											\$ -	
2.2.1	Monitoring and Sampling Activities	24		188				212	\$ 33,291		21				14				35	\$ 7,900		90	90	\$ 9,000	\$ 32,533	\$ 4,000	\$ 86,723		\$ 86,723
2.3	Stormwater Outfall Monitoring																											\$ -	
2.3.1	Montitoring and Sampling Activities	24		188				212	\$ 33,291		21				14				35	\$ 7,900		90	90	\$ 9,000	\$ 10,691	\$ 4,000	\$ 64,881		\$ 64,881
2.4	Data Management and Reporting Methodology																											\$ -	
2.4.1	Initial & Modified Electronic Data File Submittals (1)	1	2					3	\$ 562		2	20							22	\$ 5,273				\$ -			\$ 5,835	\$ 5,835	
2.4.2	Post Event Monitoring Reports 7 events (3 wet 4 dry per year for 1 year)	3.5	14					17.5	\$ 3,008		14			56					70	\$ 12,725				\$ -		\$ 15,733		\$ 15,733	
2.4.3.1	Draft Annual Report (1)	8	28					36	\$ 6,281	4	8	40	16	25	40			2	135	\$ 27,045				\$ -		\$ 500		\$ 33,825	
2.4.3.2	Final Annual Report (1)	4	10					14	\$ 2,546	2	4	8	12	8	24			1	59	\$ 11,549				\$ -		\$ 500		\$ 14,595	
2.4.4.1	Draft Semi-Annual Data Report (1)	2	10					12	\$ 2,016		1		8		16			3	28	\$ 4,969				\$ -				\$ 6,985	
2.4.4.2	Final Semi-Annual Data Report (1)	2	8					10	\$ 1,719		1		4		4			1	10	\$ 1,939				\$ -				\$ 3,657	
2.4.5	Prepare Health and Safety Plan	1	4	8			1	14	\$ 2,111											\$ -				\$ -		\$ 2,111		\$ 2,111	
TOTAL		150	236	527			76	988.5	\$ 158,244	6	108	68	40	89	144			7	462	\$ 94,120	4	210	214	\$ 21,711	\$ 43,223	\$ 12,600	\$ 230,114	\$ 99,783	\$ 329,897

Analytical Costs

Analyte	Unit Cost	Receiving Water												Storm Water Outfall					
		Live Oak Wash (Puddingstone)				San Jose Creach R1				San Dimas Wash				Big Dalton Wash (MTD 766)		Upper San Jose Creek (BI 0566 Line A)		Upper Chino Creek (SA Drain 1	
		Wet		Dry		Wet		Dry		Wet		Dry		Wet & E Coli		Wet & E Coli		Wet & E Coli	
		Events	Cost	Events	Cost	Events	Cost	Events	Cost	Events	Cost	Events	Cost	Event	Cost	Event	Cost	Event	Cost
Field Collected Parameters (no analytical costs)																			
Flow (Field)	\$0	3	\$0	4	\$0	3	\$0	4	\$0	3	\$0	4	\$0	3	\$0	3	\$0	3	\$0
pH (Field)																			
EC (Field)																			
Temperature (Field)																			
Dissolved Oxygen (Field)																			
Turbidity (Field)																			
General Chemistry																			
Hardness	\$15	3	\$45	2	\$30	3	\$90	2	\$60	3	\$45	2	\$30	3	\$45	3	\$45	3	\$45
Total Suspended Solids	\$12	3	\$36	2	\$24	3	\$72	2	\$48	3	\$36	2	\$24	3	\$36	3	\$36	3	\$36
Alkalinity	\$15	3	\$45	2	\$30	3	\$90	2	\$60	0	\$0	0	\$0	3	\$45	3	\$45	0	\$0
Total Dissolved Solids	\$12	2	\$24	2	\$24	0	\$0	2	\$48	0	\$0	2	\$24		\$0		\$0		\$0
Chloride	\$30	2	\$60	2	\$60	0	\$0	2	\$120	0	\$0	2	\$60		\$0		\$0		\$0
Sulfate (included with Chloride)	\$0	2	\$0	2	\$0	0	\$0	2	\$0	0	\$0	2	\$0		\$0		\$0		\$0
Total Organic Carbon	\$48	2	\$96	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	3	\$144	0	\$0	0	\$0
Total Nitrogen (calc)	\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0
Organic Nitrogen (calc)	\$0	3	\$0	0	\$0	3	\$0	0	\$0	3	\$0	0	\$0	3	\$0	0	\$0	0	\$0
TKN	\$45	3	\$135	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	3	\$135	0	\$0	0	\$0
Total P	\$50	3	\$150	2	\$100	3	\$300	2	\$200	3	\$150	2	\$100	3	\$150	0	\$0	0	\$0
Ortho P	\$30	3	\$90	2	\$60	3	\$180	2	\$120	3	\$90	2	\$60	3	\$90	0	\$0	0	\$0
Ammonia	\$45	3	\$135	2	\$90	3	\$270	2	\$180	0	\$0	0	\$0	3	\$135	3	\$135	0	\$0
Nitrate	\$30	3	\$90	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	3	\$90	0	\$0	0	\$0
Nitrite	\$30	3	\$90	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	3	\$90	0	\$0	0	\$0
Metals (Total and Dissolved)																			
Mercury (Total)	\$85	2	\$170	2	\$170	0	\$0	0	\$0	0	\$0	0	\$0	3	\$255	0	\$0	0	\$0
Methylmercury	\$150	2	\$300	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	3	\$450	0	\$0	0	\$0
Cyanide	\$35	0	\$0	0	\$0	3	\$0	2	\$0	0	\$0	0	\$0	0	\$0	3	\$105	0	\$0
Selenium	\$275	3	\$825	2	\$550	3	\$1,650	2	\$1,100	3	\$825	2	\$550	3	\$825	3	\$825	3	\$825
Copper																			
Lead																			
Zinc																			
Bacteria																			
E. coli	\$32	3	\$96	4	\$128	3	\$384	4	\$512	3	\$96	4	\$128	7	\$224	7	\$224	7	\$224
CTR Toxics																			
PAHs	\$125	0	\$0	0	\$0	3	\$0	2	\$0	0	\$0	0	\$0	0	\$0	3	\$375	0	\$0
DDT	\$195	2	\$390	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0		\$0		\$0		\$0
PCB																			
Dieldrin																			
Chlordane																			
Toxicity																			
Acute C. dubia	\$600	2	\$1,200	1	\$600	0	\$0	0	\$0	0	\$0	0	\$0		\$0		\$0		\$0
Chronic C. dubia	\$1,200	2	\$2,400	1	\$1,200	0	\$0	0	\$0	0	\$0	0	\$0		\$0		\$0		\$0
Sub Total (site)			\$6,377		\$3,066		\$3,036		\$2,448		\$1,242		\$976		\$2,714		\$1,790		\$1,130
Sub Total (task)	\$17,145													\$5,634					
QA/QC Samples (15%)	\$2,572													\$845					
Bottle Cleaning and Blanking (10%)	\$1,715													\$563					
Shipping Costs and sample pick up (10%)	\$1,715													\$563					
After Hours Fees (7.5%)	\$1,286													\$423					
Lab Reports (7.5%)	\$1,286													\$423					
SubTotal	\$25,718													\$8,451					
Tax (10%)	\$2,572													\$845					
Total Year 1 Analytical Cost	\$28,289													\$9,296					

Attachment B - Schedule

