

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			BPA NO.	1. CONTRACT ID CODE	PAGE 1	OF PAGES 7
2. AMENDMENT/MODIFICATION NUMBER A00002		3. EFFECTIVE DATE 04-10-2017		4. REQUISITION/PURCHASE REQ. NUMBER 640-17-1-638-0002		5. PROJECT NUMBER (if applicable)
6. ISSUED BY Department of Veterans Affairs VA Sierra Pacific Network (VISN 21) VA Northern California HealthCare System 5342 Dudley Blvd, Bldg 209 McClellan CA 95652-2609		CODE 612MCP	7. ADMINISTERED BY (If other than Item 6) Department of Veterans Affairs Department of Veterans Affairs VA Northern California HealthCare System 3230 Peacekeeper Way, Bldg. 209 McClellan CA 95652-1012		CODE 612MCP	
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) To all Offerors/Bidders			(X)	9A. AMENDMENT OF SOLICITATION NUMBER VA261-17-Q-0237		
			X	9B. DATED (SEE ITEM 11) 04-10-2017		
				10A. MODIFICATION OF CONTRACT/ORDER NUMBER		
				10B. DATED (SEE ITEM 13)		
CODE		FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS						
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.						
12. ACCOUNTING AND APPROPRIATION DATA (If required)						
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.						
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
	D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.						
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this amendment is to revise the set aside of this Request for Quote (RFQ) from a Service Disabled Veteran Owned Small Business (SDVOSB) set aside to a Small Business set aside. The quote due date has been extended to 4:00 p.m. on 4/28/17. Please email your quotes to michael.hodahkwen@va.gov The period of performance has been updated in the Performance Work Statement, see attached. The Price Schedule has been updated to reflect the new period of performance. Please use this updated version of the Price Schedule when submitting a quote. Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.						
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Michael P. Hodahkwen Contracting Officer			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)		16C. DATE SIGNED 04/10/2017

B.2 PRICE/COST SCHEDULE

ITEM INFORMATION

ITEM NUMBER	DESCRIPTION OF SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Database Maintenance & Support for DNA Sequence Library for Public Health Reference Laboratory Contract Period: Base POP Begin: 06-01-2017 POP End: 05-30-2018	12.00	Mo		
				GRAND TOTAL	

Statement of Work
Data Maintenance of DNA Sequence Library
VA Palo Alto Health Care System

Section 1: General Information

1.1 General: This is a non-personal Facility Based IT Support contract to provide services Database Maintenance, Quality Control and Data Analysis Support for Public Health Reference Laboratory (PHRL) at the Veterans Affairs Palo Alto Health Care System. Within the PHRL is the focal point for Deoxyribonucleic Acid (DNA) testing and sampling. This process is conducted using DNA fragments stored and propagated in a population of micro-organisms through the process of molecular cloning. The results of the testing and sampling are stored within a unit known as the DNA Sequence Library (DNA SL).

Crucial to the testing process is for users to have readily access to the DNA SL database via Data Access Platforms and Applications. Vendors are required to ensure algorithms and coding within the Data Access Platforms and Applications are compatible for such queries while maintaining the security and integrity of the Veterans Health Information Systems and Technology Architecture (**VistA**).

Database access and control, the vendor is to ensure that all generated electronic data pertaining to the DNA testing and sampling is properly collected, stored, and managed. The contractor will provide trained and certified personnel to fulfill this task. Vendor will also supply the needed materials and equipment necessary for manageability and sustainability with considerations for scalability. Vendor shall continue to ensure the **existing** procedures for data query pathways and outputs are within **existing** protocols and procedures and able to interface with end users when the need for coding or database.

1.2 Period of Performance: June 1, 2017 to May 31, 2018

1.3 Place of Performance: Veterans Affairs Palo Alto Health Care System
4951 Arroyo Road
Livermore, California 94550

1.4 Type of Contract: The government will award a Firm Fixed Price contract.

1.5 Invoicing: All invoices from the contractor shall be submitted electronically in accordance with VAAR Clause 852.232-72 Electronic Submission of Payment Requests.

VA's Electronic Invoice Presentment and Payment System – The FSC uses a third-party contractor, Tungsten, to transition vendors from paper to electronic invoice submission. Please go to this website: <http://www.tungsten-network.com/US/en/veterans-affairs/> to begin submitting electronic invoices, free of charge.

More information on the VA Financial Services Center is available at <http://www.fsc.va.gov/einvoice.asp>.

Vendor e-Invoice Set-Up Information:

Please contact Tungsten at the phone number or email address listed below to begin submitting your electronic invoices to the VA Financial Services Center for payment processing, free of charge. If you have question about the e-invoicing program or Tungsten, please contact the FSC at the phone number or email address listed below:

- Tungsten e-Invoice Setup Information: 1-877-489-6135
- Tungsten e-Invoice email: VA.Registration@Tungsten-Network.com
- FSC e-Invoice Contact Information: 1-877-353-9791
- FSC e-invoice email: vafscshd@va.gov

Contractor shall submit final invoice after the completion of repairs. Invoice shall include the Contract number, Purchase Order number, Order Date, Performance Period, Description of Services and itemized prices as negotiated.

Section 2: Definitions & Acronyms

2.1 Definitions:

Contractor. A supplier or vendor awarded a contract to provide specific supplies or service to the government. The term used in this contract refers to the prime.

Splunk. Captures, indexes and correlates real-time data in a searchable repository from which it can generate graphs, reports, alerts, dashboards and visualizations.

Subcontractor. One that enters into a contract with a prime contractor. The Government does not have privity of contract with the subcontractor.

Work Day. The number of hours per day the Contractor provides services in accordance with the contract.

Work Week. Monday through Friday, unless specified otherwise.

2.2 Acronyms:

BDaP	Bitscopic Data Access Platform
COR	Contracting Officer Representative
HDW	HAISS Data Warehouse
OPHSR	Office of Public Health Surveillance and Research
OPH	Office of Public Health
PMP	Project Management Plan
PMP	Project Management Professional
QASP	Quality Assurance Surveillance Plan
QC	Quality Control
RHCA	RedHat Certified Architect
RHCE	RedHat Certified Engineer
SOW	Statement of Work

Section 3: Government Furnished Property, Equipment, and Services

3.1 Government Furnished Equipment; SMC Virtual Private Network (VPN), RESCUE GFE, and proposed Site-to-Site VPN. In lieu of establishing a secure Site-to-Site VPN connectivity, government is to provide interface to VA Palo Alto Remote-Access Server for vendor's off-site access.

Section 4: Contractor Furnished Items and Services

4.1 Possess secure remote access location.

4.2 Possess durable and reliable equipment for maintainability, sustainability, and scalability for PHRL operations.

Section 5: Specific Tasks

To fulfill the Data Maintenance, Quality Control, and Data Analysis support for its DNA Sequencing Library (DNA SL); the Contractor will provide the personnel and materials/supplies to accomplish the following Monday through Friday, 8.a.m to 6p.m., excluding federal holidays:

- 5.1 The contractor shall provide an experienced and knowledgeable primary point of contract that will liaison with the PHRL staff when changes and modifications to *existing* procedures and coding are needed.
- 5.2 Data Maintenance and Quality Control:
 - 5.2.1 Applications and Data Output: HIV and HCV nucleotide sequences shall be aligned to a reference sequence; determine the genotype of HCV nucleotide sequences and align them to the appropriate reference sequence
 - 5.2.2 Applications and Data Output: determine and report the range of number of nucleotides and amino acids of each sequence consists of
 - 5.2.4 Applications and Data Output: determine the uniqueness of a HIV or HCV nucleotide sequence compare to other sequences in the database.
 - 5.2.5 Applications and Data Output: reporting program of which nucleotide sequences in the database match the inputted sequence.

5.2.6 Applications and Data Output: ability to add new nucleotide sequences

5.3 Data Analysis Support:

5.3.1 The Contractor shall ensuring coding and applications translate nucleotide sequences into amino acid sequences in the proper reading frame

5.3.2 The Contractor shall ensuring coding and applications identify amino acid differences compared to the reference sequence

5.3.3 The Contractor shall ensuring coding and applications are able to house and implement an interpretation algorithm to identify drug resistance based on identified amino acid changes

5.3.4 The Contractor shall ensure coding and applications implement the appropriate interpretation algorithm for each HCV genotype/subtype when needed

5.3.5 The Contractor shall ensure coding and applications present amino acid changes and resistance interpretation is an easy-to-read format

5.3.6 The Contractor shall ensure coding and applications interpret algorithm easily updated and modified as new scientific information arises

5.3.7 The Contractor shall participate in weekly scheduled and/or ad hoc conference calls with OPHSR to provide a report of ongoing issues, to coordinate activities with the Government or other OPHSR contractors, to review work plans, and to establish collaboration with other teams, as needed.

5.4 Contractor Deliverables

5.4.1 Contractor Quality Control Plan (QCP)	Due 15 days after contract start. Thereafter, updates occur on the 5 th of each month.
5.4.2 Monthly Quality Control Assurance Report	Due on the 5 th of each month for the previous month reporting period.
5.4.3 Security Plan	Due 15 days after contract start.
5.4.4 Participate in kick-off meeting	At Kickoff Meeting
5.4.5 Kick-off Meeting Minutes (collaborate with VA staff)	Due 10 days after Kickoff Meeting

5.4.6 Work plan and project schedule (include Staffing Plan, PM Plan)	At Kickoff Meeting
5.4.7 Project Management Plan	On the 5th business day of each month
5.4.8 Staffing Report	Within 3 business days after a significant personnel change.
5.4.9 Monthly Progress Report	On the 5th business of each month

Section 6: Applicable Publications

6.1 VA Handbook 6500.6, Contract Security, Appendix C is available at

<https://www.voa.va.gov/DocumentView.aspx?DocumentID=10>