CLARK COUNTY
STAFF REPORT

DEPARTMENT: Public Works/Engineering & Construction/Project Management

DATE: September 1, 2016

REQUESTED ACTION: Authorize the County Manager to sign Modification 12 to the Environmental Services Cooperative Agreement W9128F-06-2-0160 to increase funding ~~by~~ TO $1,880,171.

_X_ Consent ____ Hearing ___ County Manager

PUBLIC WORKS GOALS:

- ☐ Provide safe and efficient transportation systems in Clark County
- ☒ Create and maintain a vibrant system of parks, trails and green spaces
- ☒ Continue responsible stewardship of public funds
- ☒ Promote family-wage job creation and economic development to support a thriving community
- ☐ Maintain a healthy, desirable quality of life
- ☐ Increase partnerships and foster an engaged, informed community
- ☐ Cultivate a nimble, responsive work force
- ☐ Make Public Works a great place to work

BACKGROUND

This request provides for the continuation of Department of Ecology mandated cleanup requirements at Camp Bonneville. Specifically, this modification increases funding by $1,880,171 to close out lead remediation activities at various small arms ranges.

COUNCIL POLICY IMPLICATIONS

This project has no council policy implications.

ADMINISTRATIVE POLICY IMPLICATIONS

This project has no administrative policy implications.

COMMUNITY OUTREACH

None.

BUDGET IMPLICATIONS

YES	NO	
X		Action falls within existing budget capacity.
	X	Action falls within existing budget capacity but requires a change of purpose within existing appropriation
	X	Additional budget capacity is necessary and will be requested at the next supplemental. If YES, please complete the budget impact statement. If YES, this action will be referred to the county council with a recommendation from the county manager.

PW 16-102

BUDGET DETAILS

Local Fund Dollar Amount	$0
Grant Fund Dollar Amount	$1,880,171.50
Account	1013 – Camp Bonneville
Company Name	Department of the Army

DISTRIBUTION:
Board staff will post all staff reports to The Grid. http://www.clark.wa.gov/thegrid/

Jerry Barnett, PE
Project Manager
Public Works

Heath H. Henderson, PE
Public Works Director/County Engineer

APPROVED:
CLARK COUNTY, WASHINGTON
BOARD OF COUNTY COUNCILORS

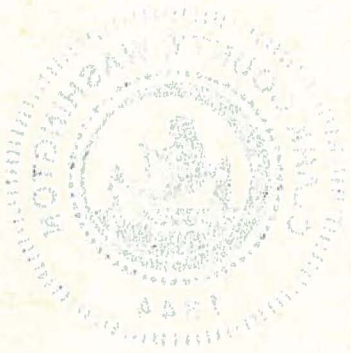
DATE: Sept. 6, 2016

SR# SR 185-16

CLARK COUNTY, WASHINGTON 1844

APPROVED:
Mark McCauley, County Manager

DATE: _____



BUDGET IMPACT ATTACHMENT

Part I: Narrative Explanation

I. A – Explanation of what the request does that has fiscal impact and the assumptions for developing revenue and costing information.

Clark County has procured funding in the amount of $1,880,171.50 through the Army to close out lead remediation activities at various small arms ranges at the former Camp Bonneville Military Reservation. Approval of this modification will allow completion of this requirement.

Part II: Estimated Revenues

Fund #/Title	Current Biennium		Next Biennium		Second Biennium	
	Army	Total	Army	Total	Army	Total
1013 – Camp Bonneville	$940,086	$940,086	$940,086	$940,086		
Total	$940,086	$940,086	$940,086	$940,086		

II. A – Describe the type of revenue (grant, fees, etc.)

The revenue for this fund is provided by the Environmental Services Cooperative Agreement with the Army. The county's obligation to perform remediation and compensate Weston Solutions, Inc. is limited to the funding provided by the Army.

Part III: Estimated Expenditures

III. A – Expenditures summed up

Fund #/Title	FTE's	Current Biennium		Next Biennium		Second Biennium	
		Army	Total	Army	Total	Army	Total
1013 – Camp Bonneville		$940,086	$940,086	$940,086	$940,086		
Total		$940,086	$940,086	$940,086	$940,086		

III. B – Expenditure by object category

Fund #/Title	Current Biennium		Next Biennium		Second Biennium	
	Army	Total	Army	Total	Army	Total
Salary/Benefits						
Contractual	$940,086	$940,086	$940,086	$940,086		
Supplies						
Travel						
Other controllables						
Capital Outlays						
Inter-fund Transfers						
Debt Service						
Total	$940,086	$940,086	$940,086	$940,086		

COOPERATIVE AGREEMENT MODIFICATION

MODIFICATION NO: P00012 **AGREEMENT NO: W9128F-06-2-0160**
EFFECTIVE DATE: 19 August 2016 **PR NO: W31RYO62185099**

☒ This is a **bilateral** modification (supplemental agreement) reflecting other agreements of the parties, modifying the terms and conditions of the Cooperative Agreement. The Recipient **is required** to execute and return one copy of this modification to the Grants Officer.

DESCRIPTION OF MODIFICATION

The purpose of this modification is to effect mutually agreed changes to the Cooperative Agreement

Continued on Page 2

ACCOUNTING AND APPROPRIATION DATA:
ACRN AA: 97 NA X 2010 0516 000 50E1 CCS A0 2010 08 8130 6MC80007000 01110 2540 1L9365 0FB081

INCREASE $1,702,022.50

EXECUTION OF MODIFICATION

FOR THE RECIPIENT:
Clark County
Public Works
P.O. Box 9810
Vancouver, WA 98666-9810

(SIGNATURE)

MARK McCAULEY
(NAME)

CLARK COUNTY ~~ADMINISTRATOR~~ MANAGER
(TITLE)

9/7/16
(DATE)

Approved as to form only:
By
Deputy Prosecuting Attorney

FOR THE UNITED STATES OF AMERICA:
U.S. Army Corps of Engineers, Huntsville Center
ATTN: CEHNC-CTB/Sharon Butler
4820 University Square Blvd.
Huntsville, AL 35816-1822

(SIGNATURE)

SHARON H. BUTLER
(NAME)

GRANTS OFFICER
(TITLE)

19 Aug 16
(DATE)

1) **Section B, Paragraph 5.1** – amend the Cooperative agreement by adding funding in the amount of $1,762,022.50 increasing the maximum funding obligation from $21,516,530.00 to $23,278,552.50

2) **Section B, Paragraph 5.2.** - Contract Line Item Number (CLIN) 0009 is increased from $118,146 to $1,880,171.50 (an increase of $1,762,022.50).

3) **Section B, Paragraph 5.2.1** The revised funding Contract Line Item Numbers (CLIN) for this agreement are listed below:

TABLE 1 – CAMP BONNEVILLE MEC ESCA CLINS				
CLIN		PERIOD OF PERFORMANCE	MAXIMUM OBLIGATION	AMOUNT FUNDED
0001	Base Funding Period	July 2006 – July 2011	$21,659,211	$21,659,211
0002	WDOE Oversight, Washington State Regulators	July 2006 – July 2008	$634,086	$634,086
0003	Administration of funds to WDOE	July 2006 – July 2008	$32,000	$32,000
0004	WDOE Oversight	July 2006 – July 2008	$150,000	$150,000
0005	Option 1 – Environmental Services	July 2008 – July 2011	$1,969,656	$1,969,656
0006	WDOE Oversight	July 2008 – July 2010	$150,758	$150,758
0007	WDOE Oversight	July 2008 – June 2011	$190,746	$190,746
0008	Army Contingent Funding	July 2011 – July 2016	$4,014,160	$4,014,160
0009	Environmental Services – Stockpile Screening/Loading Facility	July 2011 – July 2021	$1,880,171.50**	$1,880,171.50
0010	Environmental Services – Groundwater Monitoring	July 2011 – July 2016	$735,000	$735,000
0011	Clark County Oversight and Institutional Controls	July 2011 – July 2021	$6,470,500	$6,470,500
0012	Option 2 – Clark County Oversight Overtime	July 2011 – July 2021	$125,000	$125,000
0013	Long Term Obligation	July 2011 – July 2021	$902,222	$902,222
0014	WDOE Oversight	July 2006 – July 2021	$3,200,000	$3,200,000
0015	Environmental Services – RAU 2C	July 2011 – July 2021	$200,000	$200,000
		TOTAL OBLIGATION	**$23,278,552.50**	**$23,278,552.50**

**CLIN 0009 was revised to include funding from the original funding amount of $118,149 plus the additional funding of $1,762,022.50 for a total of $1,880,171.50.

4) **Revise the following paragraph 11 - Financial Report Distribution and Correspondence Table with the Table below:**

ADDRESSEE	ADDRESS	REPORTS & CORRESPONDENCE	ORIGINAL & COPIES
Grants Officer	U.S. Army Engineering & Support Center ATTN: CEHNC-CTB (Sharon Butler) 4820 University Square Blvd. Huntsville, AL 35816 E-mail: Sharon.H.Butler@usace.army.mil	SF 270 SF 425 (Quarterly/Final) Written Correspondence affecting performance and/or proposed changes by Recipient Quarterly Performance Reports	Original Original Original Original
Army Environmental Representative	Thomas Lederle DA, ACSIM (DAIM-ODB) 2530 Crystal Drive Arlington, VA 22202 E-mail: thomas.e.lederle.civ@mail.mil	SF 270 SF 425 (Quarterly/Final) Written Correspondence affecting performance and/or proposed changes by Recipient PERFORMANCE REPORTS	1 Copy 1 Copy 1 Copy 1 Copy
CEHNC Program Manager	U.S. Army Engineering & Support Center ATTN: CEHNC-EMM (John Nebelsick) 4801 University Square Suite 20 Huntsville, AL 35816 E-mail: John.d.nebelsick@usace.army.mil	SF 270 SF 425 (Quarterly/Final) Written Correspondence affecting performance and/or proposed changes by Recipient Quarterly Performance Reports	1 Copy 1 Copy 1 Copy 1 Copy
BEC	Scott Armstrong CALIBRE Systems, Inc. E-mail: Scott.Armstrong@calibresys.com	SF 270 SF 425 (Quarterly/Final) Written Correspondence affecting performance and/or proposed changes by Recipient Quarterly Performance Reports	1 Copy 1 Copy 1 Copy 1 Copy

Army BRAC Division Program Manager	**Andrew Van Dyke, DA, ACSIM (DAIM-ODB) 2530 Crystal Drive Arlington, VA 22202 E-mail:** andrew.l.vandyke.civ@mail.mil	**SF 270 SF 425 (Quarterly/Final) Written Correspondence affecting performance and/or proposed changes by Recipient Quarterly Performance Reports**	**1 Copy 1 Copy 1 Copy 1 Copy**

5) Revise the following paragraph 15 - Government and Recipient Representatives Table:

NAME	TITLE	OFFICE & E-MAIL	TELEPHONE/FAX
Army: Sharon Butler	**Grants Officer**	**U.S. Army Engineering & Support Center ATTN: CEHNC-CTB (Butler) 4820 University Square Blvd. Huntsville, AL 35816 E-mail: Sharon.H.Butler@usace.army.mil**	**PH: 256-895-1440 FAX: 256-895-1197**
John Nebelsick	**ESCA Program Manager**	**Environmental & Munitions Center of Expertice 4801 University Square Suite 20 Huntsville, AL 35816 E-mail: John.d.nebelsick@usace.army.mil**	**PH: (256) 895-1795**
Andrew Van Dyke	**Army BRAC Division Program Manager**	**DA, ACSIM (DAIM-ODB) 2530 Crystal Drive Arlington, VA 22202 E-mail:** andrew.l.vandyke.civ@mail.mil	**PH: (703) 545-2494 FAX: (703) 601-0544**
Scott Armstrong	**BEC**	**Scott Armstrong CALIBRE Systems, Inc. 5200 Oleander Drive Carmichael, CA 95608 E-mail: Scott.Armstrong@calibresys.com**	**PH: (916) 261-4577**
Recipient: Clark County Public Works	**Clark County Administrator**	**Clark County Public Works P.O. Box 9810 Vancouver, WA 98666-9810**	

6) Section C – The Parties have developed the scope of services for Munitions Response of Remedial Action Units 2A-16, 2A-21 and Lead-impacted soil stockpile. Listed below are the key assumptions and task descriptions. This modification includes the methods, key assumptions and tasks to perform sampling and off-site disposal of lead-impacted soil at the 1,000-inch Rifle Range and Machine Gun Range (Remedial Action Unit (RAU) 2A-16), and the Field Firing Range 1 and 2 Overshoot Area (RAU 2A-21). Lead-impacted soil from two existing stockpiles at Camp Bonneville will be

transported off-site for disposal. The impacted area within RAU 2A-16 is approximately 1.76 acres and is described in the *Draft Interim Action Work Plan, Excavation and Replacement of Lead-Impacted Fill Soils Under and Adjacent to RAU 2A-16*, prepared by Michael Baker, Jr., Inc. and dated January 6, 2010. The impacted area within RAU 2A-21 is approximately 6.21 acres and is described in the *Draft RAU-2A-21 Boundary Delineation After Action Report Memorandum*, prepared by MKM and dated February 25, 2010. In addition to documenting the results of the field work at RAU 2A-16 and RAU 2A-21, descriptions and results from remedial actions performed at all the small arms ranges on Camp Bonneville will be summarized and incorporated into a single comprehensive Remedial Action Completion Report for RAU 2A.

Key assumptions are summarized below.

- The lead-contaminated areas to be sampled at RAU 2A-16 and RAU 2A-21 and disposed of off-site encompass 1.76 acres and 6.21 acres, respectively.
- The total volume of the existing lead-impacted soil stockpiles is anticipated to be a maximum of 1,200 cy.
- A Sampling and Analysis Plan will be prepared to describe the work. An Explosives Safety Submission (ESS) revision will not be required. Existing wetland protocol, natural resource protection, and stormwater pollution prevention measures will apply.
- Tree removal greater than 6-inches in diameter within the impacted areas is not anticipated and is not included in this scope of work.
- Remaining vegetation within the excavation area will be cut to approximately six inches in height and is included under existing protocol and scope for the CVFAW. Pricing for vegetation removal is not included with this modification and no additional funding is provided for this effort.
- It is assumed that a Field Change Variance will be approved to allow anomaly detection at RAU 2A-16 and RAU 2A-21 using ferrous metal (Schonstedt) detectors only. Anomaly detection and removal within these areas will then follow all other existing protocol and scope for the CVFAW; therefore pricing for anomaly detection and removal is not included with this modification and no additional funding will be provided.
- Surface soil samples (0-6 inches) will be collected at RAU 2A-16 and RAU 2A-21 from five random locations within each 40 foot square grid, composited by grid, and analyzed for leachable lead using the Synthetic Precipitation Leaching Procedure (SPLP). Leachable lead

results will be compared to a limit of 5 milligrams per Liter (mg/L). It is assumed that all soil results will be below the leachable limit and that the soil will be left in place and covered with geotextile fabric and one foot of import soil. Excavation, sifting, and/or off-site disposal, if required, will be a change in scope.

- The surface of RAU 2A-16 and RAU 2A-21 will be overlaid with a geotextile fabric to delineate the upper extent of the existing soil surface prior to placing a one-foot layer of imported soil above the fabric.
- The assumed import soil density is 1.7 tons per bcy. An estimated 4,827 tons of import soil will be placed for RAU 2A-16 and 17,032 tons for RAU 2A-21, to a maximum compacted layer of 12 inches. Grade stakes will be placed at appropriate intervals to guide soil placement. The soil will be placed by spreading with a small dozer and "track walked" for compaction. Approved seed mix will be broadcast over the placed soil.
- A maximum of 2,040 tons is assumed for the two existing lead-impacted soil stockpiles, which will be loaded into haul trucks for off-site disposal. Based on results of prior soils sampling, it is assumed that the soil will be classified as non-hazardous waste. Soil from the stockpiles will be mechanically screened (sifted) to ½ inch minus. Reject material (> ½ inch) will be 100% inspected by UXO technicians for potential MEC items. A quality control inspection of approximately 10% of the sifted soil will also be performed. The sifted soil and inspected reject material will then be loaded for off-site disposal.
- It is assumed that field work will be performed concurrent with on-going MEC clearance work within the central valley floor so that a separate mobilization/demobilization for UXO technicians will not be required.
- Initial Draft, Draft, and Final versions of a Remedial Action Completion Report will be prepared to describe the field work and results for RAU 2A-16, 2A-21, and other small arms ranges at Camp Bonneville that have undergone remedial actions by other contractors. It is assumed that data for cleanups conducted by the other contractors will be available to WESTON and are adequate for the preparation of the Remedial Action Completion Report in sufficient detail to obtain Clark County and Washington Department of Ecology approvals. No additional sampling is included other than that described above for RAU 2A-16 and 2A-21.
- It is assumed that mutually agreeable terms and conditions will be established for the work.

Any changes requested that are beyond the scope of work, task descriptions, and key assumptions may be subject to an equitable adjustment for cost and period of performance and will be mutually negotiated and agreed upon in writing prior to performance of scope change.

Brief descriptions of required tasks and approach are listed below.

Permits, Work Plans, and all other Federal, State, Local and Tribal Government Requirements

This task includes the preparation of a Sampling and Analysis Plan (SAP) to address the work. It is assumed that further revision to the ESS, as amended, will not be required. The existing Central Valley Floor and Wetland (CVFAW) environmental protection and archeological resource protection requirements will be maintained during the work. Costs for pre-characterization of the small arms site (25 TCLP soil samples) and soil stockpiles (5 TCLP soil samples) are also included in this task. The bond cost for the entire scope is also included in this task.

Location Surveying, Mapping and GIS Plan

This task includes personnel costs to document site boundaries using RTK GPS. A licensed land surveyor is not included in the scope.

Site Facilities, Access and Contractor Office and Shop Buildings

Existing field office support facilities will be utilized to support the work. Temporary facilities such as portalets and erosion control BMPs will be provided. An excavator, loader, dozer, water truck, all-terrain forklift, and mechanical soil screening equipment will be mobilized to the site for placing, spreading and compacting soil at RAU2A-16/21, and for mechanically screening and loading of the existing stockpiles. The water truck will provide for dust control, and the forklift for handling rolls of geotextile fabric. Shielding for the excavator and loader associated with screening of the stockpiled soil will be provided.

Vegetation Removal

Deadfall litter will be removed and vegetation cut to approximately six inches within the lead impacted areas to facilitate covering with geotextile and import soil. Trees greater than six-inches in diameter will remain. The brush cutting crew will be provided with a UXO escort consistent with the existing CVFAW Work Plan, SOP-3. It is assumed that deadfall may be placed in nearby areas and not hauled offsite. Costs for vegetation removal is included in the existing unit pricing for CVFAW clearance and is not included with this modification.

Remediation

TASK 5.a. for RAU2A-16 and -21 SOIL CLEARANCE AND SAMPLING

Anomaly detection, using Schonstedt instruments only, and investigation of anomalies to 14 inches below ground surface, will be performed by UXO technicians in accordance with the existing scope for the CVFAW. Costs for performing the 0-14 inch clearance is therefore included in the existing unit pricing for CVFAW clearance and is not included with this modification. A 40-foot square grid pattern will be marked within the excavated areas and soil samples collected from five random locations within each 40 foot square grid, and composited. A total of 49 composite soil samples will be collected from RAU 2A-16 and 116 composite soil samples collected from RAU 2A-21 and analyzed for leachable lead using the SPLP (EPA Methods 1312 and 6010C) in accordance with the SAP. Results will be compared with a criterion of 5 mg/L and the County notified if any sample results exceed this value.

TASK 5.a. and d. STOCKPILE SOIL SCREENING, TRANSPORTATION AND DISPOSAL

Soil from the stockpiles will be mechanically screened (sifted) to ½ inch minus. Reject material (> ½ inch) will be 100% inspected by UXO technicians for potential MEC items. Approximately 10% of the ½ inch minus screened soil will be spread out and also inspected as a quality control measure. Screened soil and inspected reject material will be loaded into haul trucks and transported for disposal as non-hazardous waste at the Waste Management landfill in Hillsboro, Oregon. Approximately 20 truckloads per day at an estimated 25 tons per load are anticipated to be loaded for off-site disposal to the landfill.

Site Restoration

An orange-colored nonwoven geotextile fabric (Mirafi 160N/O or equal) will be placed on the ground surface of RAU 2A-16 and RAU 2A-21 to serve as a delineator from the cover soil. Acceptable off-site borrow material will be imported and installed to a depth of one foot over the fabric, compacted by track-walking the soil, and seeded. Approximately 20 truckloads per day of imported soil cover at an estimated 25 tons per load are anticipated to be imported for placement on site. After restoration activities are completed, all heavy equipment will be cleaned and demobilized.

QUALITY CONTROL

Quality control measures and failure criteria for sub-surface MEC clearance will be identical to the existing CVFAW requirements, with the above noted use of Schonstedt detectors rather than the MineLab detector currently in use.

Remedial Action Completion Report

This task includes home office and field personnel effort to prepare a Remedial Action Completion Report that incorporates results of the remedial actions at RAU 2A-16 and RAU 2A-21 and seven other sites identified in the 2008 RAU 2A CAP and below that have had cleanup performed up by other contractors:

RAU 2A-4	Combat Pistol Range
RAU 2A-15	Undocumented Pistol Range
RAU 2A-17	25-meter M60 & Pistol Range
RAU 2A-18	25-meter Machine Gun Range
RAU 2A-19	25-meter Record Firing Ranges
RAU 2A-20	Field Firing Ranges No. 1 & No. 2
RAU 2A-22	Field Fire Ranges No. 1 & No. 2

The task will include the research needed for obtaining and preparing descriptions of the completed remedial actions, including excavation areas/volumes, sample results, site restoration and soil disposition. Sample results will be tabulated and figures provided to document the removal actions including the depths of the excavation and final confirmation results. MEC and/or MD previously removed from the soil will be documented along with a summary of quality control measures implemented. Waste disposal characterization results and manifests will also be included to the extent that these records can be located. An Internal Draft of the report will be prepared for review/comment by Clark County. An approved Draft will then be distributed to the regulatory agencies. Comments will be incorporated and a preliminary Final version will be prepared for review by Clark County and regulatory agencies. Remaining comments will be incorporated and the document issued as Final.

Step-Out Grids

No step out grids or excavation are assumed or included in the scope.

Schedule

The field work schedule is assumed to operate concurrently with the CVFAW clearance and is based on four 10-hour work days per week. The field work is anticipated to be performed concurrently with the on-going CVFAW work and will include mobilization/site set-up/brush cutting, sampling, loading/off-site disposal, and import of backfill/demobilization as described above. Completion and reviews of the Remedial Action Completion Report will follow the field work. A master schedule will be provided prior to work commencing.

7) These adjustments are in accord and satisfaction and constitute compensation in full on behalf of the Recipient and its subcontractors and suppliers, for all costs and markups directly or indirectly attributed to the changes ordered herein.

8) All other terms and conditions of the Agreement remain unchanged.