

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES 1   12	
2. AMENDMENT/MODIFICATION NO. 0002		3. EFFECTIVE DATE 08-Aug-2017		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable)	
6. ISSUED BY CONTRACTING DIVISION U.S. ARMY CORPS OF ENGINEERS FAR EAST DISTRICT UNIT #15546 APO AP 96205-5546		CODE W912UM		7. ADMINISTERED BY (If other than item 6)  <b>See Item 6</b>		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X		9A. AMENDMENT OF SOLICITATION NO. W912UM17R0016	
				X		9B. DATED (SEE ITEM 11) 28-Jul-2017	
						10A. MOD. OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended.  Offer 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 telegram 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 telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
<b>12. ACCOUNTING AND APPROPRIATION DATA (If required)</b>							
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
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.							
<b>14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)</b>  a. Purpose of this amendment is to revise performance work statement (PWS). b. Changes are made in paragraph 1.4 and 7.2.3. of the PWS. c. All other terms and conditions remain the same.							
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)			
				TEL: _____ EMAIL: _____			
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  08-Aug-2017	

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

**SUMMARY OF CHANGES**

## SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

**PERFORMANCE WORK STATEMENT (PWS)  
FOR  
NATURAL RESOURCES PLANNING LEVEL SURVEYS (PLS)  
USAG HUMPHREYS**

~~11 July 2017~~

**Revision: 8 August 2017**

**1. GENERAL**

**1.1 SCOPE OF WORK.** This project requires to conduct planning level survey (PLS) of natural resources for U.S. Army Garrison (USAG) Humphreys. "Natural resources" is defined in the United States Forces Korea (USFK) Regulation 201-1, Environmental Governing Standards as: all living and inanimate materials supplied by nature that are of aesthetic, ecological, educational, historical, recreational, scientific or other value.

**1.2 PURPOSE.** The purpose of this project is to generate data and characterize essential components of the installation natural resources such as location, landform, soil, water, and biota that will serve as the foundation for preparation of an Integrated Natural Resource Management Plan (INRMP) for USAG Humphreys. The INRMP provides procedures and guidelines to help the USAG Humphreys with their environmental stewardship responsibilities and enhance quality of life for facility personnel.

**1.3 REQUIREMENTS.** The Contractor shall furnish all necessary skilled labor, equipment, tools, transportation, materials, permits, and other required resources to conduct the PLS. During the prosecution of work, the Contractor shall provide adequate supervision to ensure the accuracy, quality, completeness, and progress of the work. All project scheduling, correspondence, submittals and any required approvals shall be coordinated through the Contracting Officer Representative (COR).

**1.4 PROJECT SITE DESCRIPTION.** PLS shall be conducted for USAG Humphreys facilities **mainly for densely vegetated areas determined by the Government and Contractor:**

- Camp Humphreys **to include wetlands and stormwater detention basins;**
- Pyongtaek Command Post Exercise (CPX) Area;

**1.5 REFERENCES.** The publications listed below form a part of this PWS to the extent referenced. The publications may be referred to in the text of this PWS by their basic designation only.

**1.5.1 Department of the Army Publications.**

- USFK Regulation 201-1, Environmental Governing Standards, 18 June 2012.
- Army Regulation 200-1, Environmental Protection and Enhancement
- Army Environmental Center, Guidelines to Prepare Integrated Natural Resources Management Plans for Army Installations and Activities, April 1997

- U.S. Army Corps of Engineers (USACE) CADD/GIS Technology Center, Spatial Data Standard for Facilities, Infrastructure, and Environment (SDSFIE), Release 2.401
- EM 385-1-1 Safety and Health Requirements Manual

#### 1.5.2 Other Publications.

- Federal Geographic Data Committee (FGDC) Content Standard for Digital Geospatial Metadata
- Republic of Korea National Soil Survey Manual Keys to Soil Taxonomy and Geology of Korea.

## 2 PROJECT PLANNING AND COORDINATION.

2.1 REVIEW EXISTING INFORMATION. The Contractor shall review the Army Environmental Center Guidelines to prepare INRMP and become familiar with the guidelines. The Contractor shall conduct a search and review of readily available local, national, and international documents for specific information about natural resources on each USAG Humphreys installation, including current and historical topographic maps and aerial photographs.

2.2 INTERVIEW KNOWLEDGEABLE PERSONS. The Contractor shall conduct interviews with installation personnel who may be knowledgeable about local natural resources, including but not limited to plant and animal life, wildlife habitat, bodies of water, seasonal wetlands, recreation areas, current environmental management, pest management, etc.

2.3 PREPARE PROJECT WORK PLAN. The Contractor shall prepare a single project Work Plan (WP) for the installations in USAG Humphreys that describes all of the activities and tasks to be performed to accomplish the objectives of this PWS. The WP shall be submitted in draft form to the Government for review and comment. All Government comments shall be addressed and any required revisions shall be incorporated into the final WP. No field activity may begin until the WP has been approved by the COR.

2.4 QUALITY ASSURANCE. The Contractor shall develop and implement quality assurance procedures to ensure that the data collected has the accuracy, precision, and completeness that is appropriate based on the overall objective of the project. Quality assurance is the systematic approach to identifying deficiencies or errors and provides guidelines and procedures on how the deficiencies or errors can be corrected. The quality assurance program for the project shall be described in the WP.

2.5 MEETINGS AND COORDINATION. The Contractor shall attend a pre-survey meeting at Camp Humphreys after the draft WP has been submitted. The Contractor shall be prepared to present the general approach, work procedures and schedule for the field surveys and subsequent tasks, and answer any questions the Government may have about the WP. Minutes of the meeting shall be prepared and submitted, and the final WP shall incorporate any pertinent information or changes discussed in the meeting.

## 3. NATURAL RESOURCES SURVEY.

3.1 MOBILIZATION AND DEMOBILIZATION. The Contractor shall furnish all plans, transportation, labor, equipment, instruments, sampling equipment and supplies required to complete the field surveys. The Contractor shall also provide any other materials or equipment necessary to ensure quality control, environmental protection, and worker safety and health. All labor, material, and equipment shall be made ready and available within seven (7) days after the final WP has been approved.

3.2 SAFETY AND HEALTH REQUIREMENTS. The most important consideration throughout the field survey activities is the safety and health of project personnel. Although the Contractor has not been required to prepare a written Site Safety and Health Plan for the project, the Contractor is still required to conduct all field survey activities in accordance with applicable requirements in EM 385-1-1, "Safety and Health Requirements (November 2014)."

**3.3 FIELD SURVEY.** The field survey program shall be designed to identify and classify natural resources as well to verify or confirm data obtained through literature, maps and photographs, and personal interviews. The field survey shall account for seasonal variations of certain natural resources. Field surveys shall be conducted during the spring, summer, fall, and winter seasons for those natural resource elements described below that are subject to seasonal influence. The duration of each survey may be adjusted based on data requirements and seasonal conditions. The rational and specific field survey schedule for each natural resource element shall be provided in the WP.

The Contractor shall conduct four (4) seasonal surveys of two areas listed in section 1.4 of this PWS during the entire year. The survey team shall visit each installation at least two (2) times each season. Each field visit shall be conducted for a minimum of three (3) actual working days in the field except travel hours. Field survey team for Natural Resource PLS shall consist of at a minimum: one prime Contractor's Program Manager (PM), Flora Specialist, Fauna Specialist and GIS Assistant(s)/Mapping coordinator.

The survey team shall be on the field at all times in one group. All survey team member shall be under close supervision of the prime Contractor's PM while conducting field survey.

**3.3.1 Physical Features.** The PLS shall describe the physical features of each facility including size, geologic features, climatic conditions, and site improvements such as buildings, roads, landscaped grounds, etc., water wells, and undeveloped land. Significant ecosystems based on size, diversity, and/or sensitivity shall be identified and described. The Contractor is encouraged to use a portable Global Positioning System (GPS) device to locate (coordinate and elevation) and delineate significant physical features. The data collected shall be suitable for graphical presentation (maps and figures).

**3.3.1.1 Surface Water and Wetland.** The contractor shall identify and describe surface water features such as lakes, rivers, perennial and ephemeral streams, and perennial and seasonal wetlands. Provide description of surface water hydrology.

**3.3.1.2 Topography.** The contractor shall describe the general topographic features of the land, including elevation changes, steepness of slope, watersheds, and any others that may be important to managing natural resources.

**3.3.1.3 Soils.** The contractor shall generally describe installation soils and their properties, including erodibility characteristics. Reference any published soil surveys that may exist. Summarize the status of soil productivity and identify trends in that productivity in recent years. Emphasize the effects of wind and water erosion

**3.3.2 Flora Survey.** The flora survey shall include an installation-wide vascular plant survey. The plants identified shall be described with their scientific names and English and Korean common names if they are available. Genus and species description for the plants identified shall suffice unless taxonomic division below the rank of species is necessary to distinguish between distinct plant types.

**3.3.2.1 Vegetative Community.** The contractor shall classify the plants into associations or alliances and determination of species diversity and dominant species shall be conducted if the survey identifies significant vegetation communities on an installation, and the information is determined to be relevant to the overall objective of the project. The criteria for determining what constitute a significant vegetation community and the relevance of vegetation classification shall be defined and provided in the WP.

**3.3.3 Fauna Survey.** The fauna survey shall include identification of significant animal habitats, especially potential habitats for endangered or threatened species and ROK protected wild fauna and flora listed in Table 13-1 and 13-2 of the EGS. Animals identified shall be described with their scientific names and English and Korean common names if they are available. Genus and species description for the animals identified shall suffice unless taxonomic division below the rank of species is necessary to distinguish between distinct animal types. Determination of species diversity and dominant species should be conducted if the survey identifies significant animal habitats on an installation, and the information is determined to be relevant to the overall objective of the project. The fauna survey shall be organized according to the following animal classes:

- Mammals (class Mammalia);
- Birds (class Aves);
- Fishes (superclass Pisces);
- Reptiles (class Reptilia) and amphibians (class Amphibia)
- Insects (class Insecta) and other invertebrates; and
- Arachnids (class Arachnida).

3.3.4 Threatened And Endangered Species. At a minimum, this survey shall produce a map that shows the kinds and known distribution of endangered, threatened, proposed, and candidate species occurring on the installation.

3.4 The Contractor shall provide out-briefing (3 hours) on flora & fauna species, survey methodologies, recommended protection, and control measures within three weeks after the completion of all surveys at Conference room of Environmental office, USAG Humphreys.

#### 4. REPORT PREPARATION

4.1 FIELD SURVEY LETTER REPORTS. The Contractor shall submit a letter report to the COR after the completion of each set of seasonal field surveys. The letter report shall briefly describe the facilities surveyed, when the survey was conducted, tasks that were performed, and any significant or unusual observations.

4.2 NATURAL RESOURCES PLANNING LEVEL SURVEY REPORT. The contractor shall prepare and submit one (1) Planning Level Survey Report that covers USAG Humphreys installations that are included in this project. The draft PLS Report shall be submitted not later than 28 days from completion of the last field survey. The PLS Report shall contain a detailed narrative description of the rationale, technical approach, field survey procedures, and survey results. Figures or maps shall be provided to show the location of significant natural resource, including but not limited to large stands of vegetation, surface water bodies, wetlands, animal habitats, recreational resources, etc.

#### 5. GEOSPATIAL DATA

5.1 GEOSPATIAL DATA GENERATION. All geospatial data gathered during the survey will be incorporated into the Government's Geographic Information System (GIS).

5.2 The Government will provide 50mx50 grid maps (ANCI D size) in PDF for Natural Resources. The Contractor is required to prepare the survey report including photos. The location information of flora type should be matched with grid code in Government furnished maps. The template of survey report consists of site ID, grid ID, survey date, flora type (Endangered/Invasive), Common name, Scientific name, Korean Name and photo ID in MS Excel format.

#### 6. PROJECT DELIVERABLES AND SCHEDULE

6.1 PAPER DELIVERABLES. All plans and reports shall be printed on 8.5 x 11 inches size white paper and bound along the left hand margin; stapling shall not be acceptable. Figures, maps, and photographs sized up to 11 x 17 inches shall be bound into the report. Maps or figures larger than 11 x 17 inches may be placed in pockets at the end of the report inside the back cover.

6.1.1 Project Work Plan. The Contractor shall provide six (6) copies of the draft and final project WP to the COR. Draft project plans shall be submitted within 14 calendar days from the time the Contractor receives the notice to award (NTA). The draft WP will be reviewed by the Government and returned to the Contractor after a 21-day review period.

6.1.2 Meeting Minutes/Technical Understanding Memorandum. The Contractor shall prepare and submit meeting minutes and technical understanding memorandum to document discussion with the Government regarding survey scope, technical approach, geospatial data to be provided, and/or other related issues as required over the course of

the project. Minutes and memorandum shall be submitted within seven (7) calendar days following each meeting or discussion.

6.1.3 Field Survey Letter Reports. The Field Survey Letter Reports shall be submitted within seven (7) calendars days after completion of each seasonal field survey to the COR.

6.1.4 Draft Planning Level Survey Report. The Contractor shall submit six (6) copies of the draft PLS Report not later than 28 days after the final field survey to the COR for Government review. The draft reports will be returned to the Contractor for revision after a 30-day Government review period. The draft reports shall contain all pictures used to document field observations. Original photographs are not required for the draft report; good quality prints shall suffice.

6.1.5 Final Planning Level Survey Report. The Contractor shall provide a written response to every comment received on the draft report and incorporate any revision required into the final report. Six (6) copies of the final PLS Report shall be submitted to the COR. The final report shall have color photographs or high resolution (>600 dpi) color prints and be bound along the left hand margin. Stapling of the report shall not be acceptable. Text and line drawings shall be clean, clear, and easily reproducible.

6.2 ELECTRONIC DELIVERABLE. The Contractor shall provide an electronic archive of all final plans, reports, and geospatial data on compact disk or digital versatile disk, read-only memory (CD/DVD-ROM) in International Organization for Standardization (ISO) 9660 file system. A transmittal letter shall accompany the electronic media. The transmittal letter shall contain the contract number, date of the report/data, computer operating system format and version, name and version of utility software (if any), brief instructions for transferring files from the media, and certification that all electronic media are free of known computer viruses. The most up to date version of virus scanning software shall be used. The certification shall include the name(s) and release date(s) of virus scanning software used to analyze the delivery media, the date that virus scanning was conducted, and the name of the person who performed the scan.

6.2.1 Plans and Reports. The Contractor shall provide electronic version of final plans and reports only. Text and tables shall be provided in a format readable by Microsoft Word version 2016 or lower, Portable Document Format (\*.pdf), or Hypertext Markup Language (HTML). Spreadsheets shall be provided in a format readable by Microsoft Excel version 2016 or lower. Photographs shall be provided in \*.bmp, \*.tif or \*.jpg format together with a table of contents and description. Maps and figures shall be provided in \*.dgn, \*.dwg, or \*.jpg format and hyperlinked to the referencing text of the plan or report. Six (6) copies of the CD shall be provided to the COR.

Deliverable	Number	Type
Draft WP	6 copies	Hardcopy
Final WP	6 copies	CD
Field Survey Letter Reports	1 copy per survey	Via email
Draft PLS Report	6 copies	Hardcopy
Final PLS Report	6 copies	CD

6.3 PROJECT SCHEDULE. The following schedule shall be followed in performing the tasks described in this PWS. The final PLS Report shall be submitted no later than 428 calendar days after award date.

Task	Duration of Task Calendar Days	Maximum Days from NTA	Work Progress Schedule (%)
Notice to Proceed	0	0	0
Submit draft Project WP	14	14	5

Task	Duration of Task Calendar Days	Maximum Days from NTA	Work Progress Schedule (%)
Government Review	21	35	-
Submit final Project WP	7	42	10
Conduct season 1 field survey 1	-	56	-
Conduct season 1 field survey 2	-	96	-
Submit letter report for season 1 field surveys	7	103	25
Conduct season 2 field survey 1	-	146	-
Conduct season 2 field survey 2	-	176	-
Submit letter report for season 2 field surveys	7	183	40
Conduct season 3 field survey 1	-	236	-
Conduct season 3 field survey 2	-	266	-
Submit letter report for season 3 field surveys	7	273	55
Conduct season 4 field survey 1	-	326	-
Conduct season 4 field survey 2	-	356	-
Submit letter report for season 4 field surveys & Out-Briefing	7	363	70
Submit draft Planning Level Survey Report and Geospatial Data	21	384	90
Government Review	30	414	-
Submit final Planning Level Survey Report and Geospatial Data	14	428	100

## 7. GENERAL REQUIREMENTS

**7.1 CONTRACTOR QUALIFICATIONS.** The Contractor shall have the necessary equipment, scientific instruments, supplies, and computer hardware and software to complete the tasks required for this PWS.

**7.2 PERSONNEL QUALIFICATIONS.** The Contractor shall assign personnel who are qualified to perform the work required under this contract, and who will faithfully follow the environmental laws and regulations of the USFK and ROK. The following are minimum qualifications of personnel who will work on the project.

**7.2.1.1 Authority.** The PM shall have full authority to act on behalf of the Contractor on all project and contract matters. The PM shall also be responsible for assigning tasks and supervising project professionals and staff.

**7.2.1.2 English Proficiency.** The PM shall be an individual who is fluent in speaking and writing English with a minimum Bachelor of Science degree

**7.2.2 Fauna Specialist.** Fauna Specialist shall have a minimum Bachelor of Science degree in the scientific fields of ecology, environmental studies, biology, or related sciences plus two (2) years' work experience of the same or similar type of work. The Contractor shall provide Fauna Specialist with a certificate in Biology Classification Engineer – Animal (생물분류기사-동물). The Contractor shall submit the names and qualifications of proposed project specialist(s) for concurrence by the Government. If key personnel are changed during the project, the COR shall be notified within 48 hours and replacement personnel shall be proposed and approved by the KO. Changes in personnel during project execution shall not result in delays.

**7.2.3 Flora Specialist.** Flora Specialist shall have a minimum Bachelor of Science degree in the scientific fields of ecology, environmental studies, biology, or related sciences plus two (2) years' work experience of the same or similar type of work. The Contractor shall provide Flora Specialist with a certificate in Biology Classification Engineer – Plant (생물분류기사-식물). The Contractor shall submit the names and qualifications of proposed project specialist(s) for concurrence by the Government. If key personnel are changed during the project, the COR shall be notified within 48 hours and replacement personnel shall be proposed and approved by the KO. Changes in personnel during project execution shall not result in delays.

**7.2.4 GIS Assistant(s)/Mapping Coordinator.** GIS Assistant(s)/Mapping Coordinator shall have a minimum Bachelor of Science degree in the scientific fields of geology, geosciences, geography, topography, surveying, ecology, environmental studies, biology, or related sciences plus two (2) years' work experience. The Contractor shall submit the names and qualifications of proposed project scientists for concurrence by the Government. If key personnel are changed during the project, the COR shall be notified within 48 hours and replacement personnel shall be proposed. Changes in personnel during project execution shall not result in delays.

**7.3 COMMUNICATION.** All activities performed and any problems encountered in the performance of the work shall be reported to the COR. The Contractor shall communicate with the USACE, FED COR at least once during each field survey to provide information regarding work progress.

**7.4. LIABILITY.** The Government shall not be liable for any damage done to the private property of the Contractor, nor any person or public properties, or for personal injuries, illness, disabilities, or for accidental death of the Contractor, Contractor's employees, and any other person under the Contractor's control, including members of the general public, caused, in whole or in part, by (a) Contractor's breach of any term or provisions of the contract and this PWS; or, (b) any negligent or willful act or omission of the Contractor, its employees or subcontractors in the performance of this PWS.

**7.4.1 Indemnity.** The Contractor agrees to indemnify, save and defend the Government from and against any and all liabilities, claims, penalties, forfeitures, suits, and the costs and expenses incident thereto (including the costs of



defense, settlement and reasonable attorney's fees), which it may hereafter incur, therefore become responsible for, and/or in result, may pay back as a result of acts or omissions.

**7.5 LICENSING AND CERTIFICATION.** The Contractor shall maintain all training, licensing and certification(s) required by ROK local and national laws and regulations, U.S. laws and regulations, and military regulations through the complete performance period(s) of the awarded contract. For the services described in this PWS, the Contractor shall be responsible to keep a current and an up-to-date copy of all required licensing and certification(s). The required licenses and certifications shall be provided to the COR.

**7.6 PHYSICAL SECURITY AND PASSES.** The Contractor's employees and subcontractors must comply with all security requirements imposed by Area III installation commanders at all times while performing under this contract. It shall be the Contractor's responsibility to arrange personnel and escort passes required for entry onto the installations.

**7.7 HOURS OF OPERATION.** The Contractor shall perform the work from 0730 hours to 1730 hours, Monday through Friday, except American National Holidays.

**7.8 RESOURCE CONSERVATION.** All reasonable quantities of water and electricity shall be furnished at no charge to the Contractor in the process of fulfilling this contract. However, the Contractor shall instruct all employees in utility conservation practices, and the Contractor will be held responsible for excess usage or waste.

**7.9 ENVIRONMENTAL CONTROL.** All Contractors' performance shall be achieved in strict accordance with the current environmental laws and regulations. The Contractor shall not use any Class I Ozone Depleting Chemicals (ODC) identified in the Army's Policy in the performance of this contract.

**7.9.1 Preserving Existing Environment.** The Contractor shall preserve and protect all structure, equipment, and vegetation such as trees, shrubs, and grass on Area III installations that do not unreasonably interfere with the work required under this project. If any tree limbs or branches are damaged or broken during this project by project personnel, the Contractor shall trim those limbs or branches with a clean cut and paint the cut with a tree-pruning compound, or replace the entire tree as directed by the COR.

**7.10 CONTRACTOR QUALITY CONTROL.** The Contractor shall maintain an adequate inspection system and perform such inspections as will ensure that the work performed under this PWS conforms to contract requirements. Contractor quality control shall include corrective actions when deficiencies are identified during such inspection. The Contractor shall warrant the accuracy of data and reports, upon which other reports or projects may be based. The Contractor shall be prepared to defend the findings on behalf of the Government should a claim or dispute arise. All work performed under this PWS is subject to Government quality assurance inspections and tests at all locations and reasonable times before acceptance to ensure strict compliance with terms of the contract.

**7.10.1 Government Observations.** The KO or COR may visit the project sites without prior notification. Government quality assurance inspections are for the sole benefit of the Government and do not relieve the Contractor of the responsibility for providing adequate quality control measures; do not relieve the Contractor of responsibility for damage to or loss of material before acceptance; and do not constitute or imply acceptance or affect the continuing rights of the Government after acceptance of the completed work. The presence or absence of a Government representative does not relieve the Contractor from any PWS requirement or environmental regulation, nor is the Government representative authorized to change any term or condition of the contract or PWS without written authorization from the KO.

## **8. NOTICE TO THE GOVERNMENT.**

**8.1 CONTRACT NOTICE REGARDING LATE DELIVERY.** In the event that the Contractor encounters difficulty in meeting performance requirements or completing the work according to the project scheduled, the COR shall be notified immediately and provided with all pertinent information regarding the reason(s) for the delay. However, the notification will be for informational purposes only and shall not be construed as a waiver by the Government of any delivery schedule or date, or any right or remedies provided by law under this contract.

## 9 OWNERSHIP OF DOCUMENTS AND CONFIDENTIALITY.

9.1 OWNERSHIP. Plans, reports, design, drawings, notes, calculations and other work developed in the performance of this contract shall become the sole property of the Government and may be used on any other design or construction project without additional compensation to the Contractor.

## 10. PERFORMANCE REQUIREMENT STANDARDS

The following table provides metrics and methods that are designed to determine if the Contractor's performance exceeds, meets, or does not meet a given standard and acceptable quality level.

Performance Objective	Performance Standard	Acceptable Quality Level (AQL)	Monitoring Method	Remedy
Paragraph 2, 3, 4 and 5. of PWS - Are the WP, PLS Report, and geospatial data prepared according to the requirements?	The PLS Report and geospatial data must be prepared in accordance with the PWS requirements.	90% Compliance	100% Review	If deficiency found, corrective action will be requested. If corrective action is not satisfied or deficiencies occur repeatedly more than once, the contract discrepancy report will be issued.
Paragraph 6. of PWS - Did the Contractor start and complete the project as scheduled?	Work will start and complete within the time period as specified in the PWS.	90% Compliance	100% Review and Inspection	If deficiency found, corrective action will be requested. If corrective action is not satisfied or deficiencies occur repeatedly more than once, the contract discrepancy report will be issued.

## 11. ANTITERRORISM (AT), SECURITY & INTELLIGENCE and OPERATIONS SECURITY (OPSEC) REQUIREMENTS.

11.1 AT LEVEL I TRAINING. All contractor employees, to include subcontractor employees, requiring access to Army installations, facilities, controlled access areas, or require network access, shall complete AT Level I awareness training within 30 calendar days after contract start date or effective date of incorporation of this requirement into the contract, whichever is applicable. Upon request, the contractor shall submit certificates of completion for each affected contractor employee and subcontractor employee, to the COR or to the contracting officer (if a COR is not assigned), within 5 calendar days after completion of training by all employees and subcontractor personnel. AT Level I awareness training is available at the following website: <http://jko.jten.mil/courses/at11/launch.html>; or it can be provided by the RA ATO in presentation form which will be documented via memorandum.

11.2 ACCESS AND GENERAL PROTECTION/SECURITY POLICY AND PROCEDURES. All contractor and all associated sub-contractors employees shall comply with applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by Government representative). The contractor shall also provide all information required for background checks to meet installation/facility access requirements to be accomplished by installation Provost Marshal Office, Director of Emergency Services or Security

Office. Contractor workforce must comply with all personal identity verification requirements (FAR clause 52.204-9, Personal Identity Verification of Contractor Personnel) as directed by DOD, HQDA and/or local policy. In addition to the changes otherwise authorized by the changes clause of this contract, should the Force Protection Condition (FPCON) at any installation or facility change, the Government may require changes in contractor security matters or processes."

11.2.1 For contractors that do not require CAC, but require access to a DoD facility or installation. Contractor and all associated sub-contractors employees shall comply with adjudication standards and procedures using the National Crime Information Center Interstate Identification Index (NCIC-III) and Terrorist Screening Database (TSDB) (Army Directive 2014-05 / AR 190-13), applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative, as NCIC and TSDB are available), or, at OCONUS locations, in accordance with status of forces agreements and other theater regulations.

11.3 iWATCH TRAINING. The contractor and all associated sub-contractors shall receive a brief/training (provided by the RA) on the local suspicious activity reporting program. This locally developed training will be used to inform employees of the types of behavior to watch for and instruct employees to report suspicious activity to the project manager, security representative or law enforcement entity. This training shall be completed within 30 calendar days of contract award and within 30 calendar days of new employees commencing performance with the results reported to the COR NLT 5 calendar days after the completion of the training.

11.4 FOR CONTRACTS THAT REQUIRE OPSEC TRAINING. All new contractor employees will complete Level I OPSEC Training within 30 calendar days of their reporting for duty. Additionally, all contractor employees must complete annual OPSEC awareness training. The contractor shall submit certificates of completion for each affected contractor and subcontractor employee, to the COR or to the contracting officer (if a COR is not assigned), within 5 calendar days after completion of training. OPSEC awareness training is available at the following websites: <https://www.iad.gov/iass/> or <http://cdsetrain.dtic.mil/opsec/index.htm>; or it can be provided by the RA OPSEC Officer in presentation form which will be documented via memorandum.

## 12. CONTRACTOR MANPOWER REPORTING (CMR).

"The contractor shall report ALL contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract via a secure data collection site. The contractor is required to completely fill in all required data fields using the following web address: <http://www.ecmra.mil>. Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year of contract/task order performance. Contractors may direct questions to the help desk at help desk at: <http://www.ecmra.mil> to review user manuals and gain an understanding about the data fields that will be included in the reporting structure that is hosted at <http://www.ecmra.mil/>."

(End of Summary of Changes)