



STATEMENT OF WORK
ORDNANCE AND EXPLOSIVES (OE) REMOVAL ACTION
FOR THE EASTERN BYPASS
FORT McClellan

~~JANUARY 22, 2002~~ APRIL 19, 2002

1.0 OBJECTIVE. The objective of this task order is to perform a removal action for all OE (UXO hazards and OE items) for the Eastern Bypass at the Fort McClellan (FMC), Alabama. This clearance is a final removal action prior to transfer of the Eastern Bypass property to the Alabama Department of Transportation for construction of a highway in accordance with the Joint Powers Authority (JPA) Land Reuse Plan.

2.0 BACKGROUND.

2.1 General.

2.1.1 The work required under this Scope of Work (SOW) falls under the Base Realignment and Closure. Ordnance and Explosives (OE) and OE-related scrap contamination is suspected to exist on this property owned by the Department of the Army.

2.1.2 OE is a safety hazard and may constitute an imminent endangerment. Unexploded ordnance (UXO) may be buried on the site or may possibly be on the ground surface. During this removal action, it is the Government's intent that the Contractor destroys, by detonation on-site, all Unexploded Ordnance (UXO) encountered. Chemical Warfare Materiels (CWM) is not suspected to exist within the limits where this work will be performed although CWM was stored at Fort McClellan. However, if any suspect CWM is discovered, the Contractor shall stop work immediately, withdraw

upwind from the area, and notify the Fort McClellan Transition Force Operations Center. The work done under this SOW will be performed in a manner consistent with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 104, and the National Contingency Plan (NCP) Sections 300.120(c) and 300.400(e). The applicable provisions of 29 CFR 1910.120 shall apply.

2.1.3 Work Limitations. Due to the inherent risk in this type of operation, the Contractor shall be limited to a 40-hour workweek (either five 8-hour days or four 10-hour days). UXO personnel shall not perform UXO-related tasks more than 10 hours per day.

2.1.4 All work in areas potentially containing unexploded hazards shall be conducted in full compliance with CEHNC, USACE, DA, and DoD requirements regarding personnel, equipment, and procedures. 29 CFR 1910.120 shall apply to all actions taken at this site.

2.1.5 The contractor shall obtain any permits and licenses necessary to conduct his/her operations including, but not limited to, building permits, licenses to purchase explosives, and Department of Transportation (DoT) permits for transport of ordnance and explosives and hazardous, toxic, and radiological waste (HTRW) on public highways.

2.2 Site Description. Fort McClellan is located northeast of the City of Anniston, Calhoun County, Alabama. To the west are the areas known as Weaver and Blue Mountain. To the North is the City of Jacksonville. The Talladega Forest is to the east of the post.

2.3 Site History. Fort McClellan has been used for artillery training of troops and the National Guard as early as 1912

to present day. In 1941, McClellan became site of the Chemical Corps Training Command. In 1962, the U.S. Army Combat Developments Command Chemical Biological-Radiological Agency moved to Fort McClellan. In 1973, the Chemical Corps School along with the U.S. Army Combat Developments Command Chemical Biological-Radiological Agency closed. In 1979, the U.S. Army Chemical Corps School re-established along with a training Brigade for Basic Training.

2.4 Proposed Eastern Bypass. The proposed Eastern Bypass right-of-way has been divided into three Ordnance Operable Units (OOU's). OOU1 is the northwestern portion consisting of approximately 103 acres in non-impact training areas. OOU2 is the central portion consisting of approximately 225 acres within known impact areas. OOU3 is the southern portion consisting of approximately 259 acres in areas with no known historical OE usage. No DOD Action Indicated is the selected action for OOU3 and thus, this area will not be included in the SOW. A removal action in accordance with the signed Action Memorandum for the Eastern Bypass for OOU1 and OOU2 will be performed. A surface clearance to one foot has already been performed over the entire OOU1 and OOU2 areas.

2.5 Recent OE-Related Activities. Several previous site investigations in and around the EBP have indicated the presence of OE training items within the OOU1 area. The OOU2 area encompasses known impact areas. These activities as well as potential OE items that may be found within the EBP are described in the Final Engineering Evaluation/Cost Analysis prepared by Zapata Engineering dated April 2000. Explosive Ordnance Disposal Technology (EODT) is also currently performing a surface clearance to 1 foot in support of pre-construction activities in the OOU1 and OOU2 areas. The boundaries of OOU1 and OOU2 have

been adjusted since finalization of the EBP EE/CA to better reflect the nature of past use indicative of the types of ordnance found during the surface clearance and the final removal on the M2 parcel. These boundaries as defined in the Draft Action Memorandum allow OOU1 to be defined as a training area, while OOU2 incorporates several range fans, including a 60mm mortar range, a 2.36-inch rocket range, and a tank range. Since the Action Memo was signed, the Alabama Department Of Transportation (ALDOT) has requested a revision in the ROW acreage. The action required under this modification is for clearance to depth in the additional areas identified in the revised ROW that are adjacent to the existing OE Area 2. The proposed additional clearance area covers approximately 40 acres adjacent to the existing Eastern Bypass Right-of-Way (ROW) in the OE Area 2 sector. The proposed additional area is delineated on the attached map entitled "Figure 3, Q-D Map".

2.1 **3.0 DESCRIPTION OF SERVICES.** The objective of this modification is for the contractor to safely detect, identify, remove, and dispose of all UXO items from the site in accordance with the tasks specified below in Section 3.0, Description of Services. The required clearance depths shall be as shown in DID OE-005-05. Data provided with this SOW identifies ordnance items found during previous and on-going clearance actions adjacent to the required clearance area.

All UXO shall be removed to their calculated detection depth as shown in DID OE-005-05 para. 10.4.1. All UXO scrap larger than 3-inches in any dimension is to be collected,

removed, and disposed of from the site.

3.1 (TASK 1 - Fixed Price) Prepare Site-Specific Work Plan (WP) and Explosive Safety Submission.

3.1.1 Prepare Site-specific Work Plan. The site-specific work plan shall include all site specific details as required by OE-005-01 that are not covered by the site-wide work plan for Fort McClellan. In the work plan, the contractor shall specify, based on historical records and results of previous clearance actions, the types of ordnance expected to be encountered and the depths of clearance for each. The work plan shall address all applicable sub-plans specified in the Basic Contract DIDs (OE-005-02 through OE-005-14) unless noted as not applicable.

3.1.2 Prepare Conventional Explosives Safety Submission. The Conventional Explosives Safety Submission shall be prepared in accordance with DID OE-060.

3.2 (TASK 2) Site Preparation and LOCATION SURVEYS AND MAPPING.

3.2.1 Site Preparation. The contractor shall provide all personnel and equipment necessary to prepare the site (OOU2) for grid layout and geophysical mapping. The contractor shall assume that the marketable trees in the area will be removed by a timber harvester. Site preparation will include cleanup of the remains from the timber harvester.

3.2.2 Surveying. The Contractor shall perform all location surveys and mapping required to establish

boundaries of the OOU2 area specified in Paragraph 2.4 of this SOW, and as directed in DID OE-005-07. In addition, grid corners shall be established using precision surveying methods. Each corner of each grid area shall be located by establishing the appropriate state plane grid system to the closest one-foot, and shall be both tabulated and shown on maps of the site. Other coordinate systems and accuracy specifications are not acceptable and shall not be used. It is not necessary to manually survey individual locations of recovered UXO and inert ordnance items if the "x" and "y" distance with a horizontal accuracy of plus or minus one foot from the established grid corners can be obtained by other means. The Contractor shall mark and survey the corners of the designated grids with stakes or other visible temporary markers. The location of ordnance scrap, ordnance fragments, shrapnel, small arms ammunition and metallic debris shall be recorded only on a per-grid basis and not located by coordinates.

3.2.3 Items and data to be submitted to the Contracting Officer as part of the tasks are as follows:

3.2.3.1 A tabulated list of the respective grid corners for all grids being cleared in the areas described in Section 2.4 of this SOW.

3.2.3.2 An electronic and hard copy of all drawing files and reference files used for and developed as part of this removal action. These files shall meet the following requirements:

3.2.3.2.1 Each sheet shall also have a standard border, revision block, title block, complete index sheet layout, bar scale,

legend, grid lines, grid tick layout, a magnetic north, a grid north, and a true north arrow, and be plotted at a horizontal scale of 1:2,400 (1"=200') minimum.

3.2.3.2.2 The Government shall be provided with a copy of the design files on 8 mm 5.0 or 10.0 gigabyte magnetic tapes, 3 ½" HD floppy disks or approved CD ROM format. CD-ROMs are preferred. The data to be submitted shall contain the final, corrected version of the design file. The tapes or disks shall be labeled, showing the project name, project number, date, company name, address and telephone number and the number of files.

3.3 (TASK 3 - Fixed Price) GEOPHYSICAL MAPPING. The contractor shall provide all personnel and equipment necessary to perform geophysical mapping. The areas included in this task are areas that will be cleared to a depth greater than one foot (00U2 as shown on the attached map). Task 4 shall be used to validate the data collected under this task. The contractor will subsequently use the data collected under this task to select targets for excavation under Task 4. The methodology to accomplish this task shall be proposed in the site-specific work plan. Data reporting requirements specified in OE-005-05 shall be addressed and specific data reporting intervals shall be defined in the site-specific work plan.

3.4 (TASK 4 - Time and Materials) UNEXPLODED ORDNANCE REMOVAL, TURN IN OF INERT ORDNANCE AND METALLIC DEBRIS, AND PERFORM QUALITY CONTROL. This task shall be accomplished IAW the approved site-wide and site-specific work plans for Fort

McClellan. This clearance shall accomplish the selected alternative for OOU2 as specified in the Final EE/CA dated April 2000 and the Draft Action Memorandum dated January 2001.

3.4.1 Unexploded Ordnance Removal. The Contractor shall furnish all necessary personnel and equipment to locate and perform a clearance of all UXO hazards and OE items. Only CEHNC-approved UXO personnel shall perform UXO procedures IAW DID OE-025 of the basic contract.

3.4.1.1 The Contractor shall maintain a detailed accounting of all UXO items/components encountered on the project site. This accounting shall include the amounts of UXO, identification, condition, depth located, disposition, location/mapping, and exposure data. This accounting shall be a part of the Removal Report.

3.4.1.2 All recovered UXO shall be disposed of daily. Exceptions will be approved by the on-site CEHNC Safety Specialist.

3.4.1.3 The Contractor shall plan to provide demolition materials for disposal of OE. This shall be outlined in the Explosives Management Plan in accordance with DID OE-005-03. All explosives will be stored in the Ammunition Supply Point at FMC. The contractor shall coordinate these arrangements with the QASAS at FMC and the CEHNC Safety Specialist prior to shipment of Explosives to FMC.

3.4.1.4 All access/excavation/detonation holes shall be back filled to grade.

3.4.1.5 Interim Guidance Document 00-03, Safety Concepts and Basic Considerations for UXO Operations will be used in planning UXO operations in the Technical Management Plan.

3.4.1.6 TM 60A-1-1-31, General Information for EOD Disposal Procedures will be used when planning for demolition operations used when disposing of UXO and UXO-related items.

3.4.1.7 The contractor will provide an ordnance filler report to assess possible damage to environmental media in accordance with DID OE-090. The Contractor shall also submit a weekly report to the Fort McClellan Transition Force with the information necessary to satisfy the Toxic Release Inventory Data Delivery System.

3.4.2 Turn in of Inert Ordnance and Metallic Debris. The Contractor shall furnish all necessary personnel and equipment to make final disposition on all recovered AEDA/range residue. The methodology to accomplish this task shall be proposed in the work plan.

3.4.2.1 Inert ordnance items shall be vented IAW DOD 4160.21-M-1, Defense Demilitarization Manual.

3.4.2.2 The Contractor shall follow the provisions of DoD 4160.21-M when making final disposition of AEDA/range residue. The Contractor shall complete a DD Form 1348-1. In the event that a DRMO does not accept scrap or is not locally available, the Contractor shall arrange in advance for a local scrap contractor to remove the scrap. The DRMO or local scrap dealer shall be identified in the work plan. The Contractor will also include in the work plan the written direction from DRMO, if directed, to a local scrap dealer and a written statement from the dealer that the scrap will be processed through a smelter or furnace prior to resale or release. In the event that DRMO is not available, an approved local scrap dealer

may be used. These documents are required even if the AEDA/range residue is conveyed to a local scrap dealer rather than DRMO.

3.4.2.3 The Contractor shall ensure that this property is 100% properly inspected IAW the inspection procedures specified in the work plan. The inspection shall be performed by qualified UXO personnel. UXO contractor personnel responsible for certifying AEDA/range residue must meet the qualification requirements specified in DID OE-025. AEDA/range residue certification will be entered on the DD 1348-1A as follows:

"This certifies that the AEDA residue, range residue, and/or explosive contaminated property listed has been 100% properly inspected and to the best of our knowledge and belief, are inert and/or free of explosives or related material."

3.4.2.4 Turn-in documentation receipts shall be submitted as a component of the Removal Report.

3.4.3 Perform Quality Control. The Contractor shall furnish the necessary personnel and equipment to administer a Quality Control (QC) Program to manage, control, and document Contractor and subcontractor activities IAW DID OE-005-11. The methodology to accomplish this task shall be proposed in the work plans. The QC activities shall be documented and included in the Removal Report.

3.4.3.1 If UXO is located within a grid during the UXO Quality Assurance (QA) search, the grid fails and must be re-swept until it passes government QA.

3.5 (TASK 5 - Fixed Price) PREPARE AND SUBMIT SITE SPECIFIC REMOVAL REPORT. At the conclusion of all field activities, the

Contractor shall submit the Site Specific Removal Report IAW DID OE-030.

3.2 (Task 6 – Fixed Price) Prepare Work Plan Change. The Contractor shall prepare and submit, for Contracting Officer approval, a work plan change to the existing Site-Specific Work Plan (SSWP) in accordance with DID OE-005-01, describing how any additional, modified, or alternative efforts will be accomplished. The changes to the SSWP shall address the elements noted in DID OE-005-01, as applicable. Those elements that are not applicable shall be so noted. An approved Site-Wide General Work Plan (SWWP) exists for this site. This document shall be referred to and used to the maximum extent possible in the development of the changes to the SSWP and for all work required under this contract.

The work plan change to the site-specific plan shall describe any site-specific information and methodologies and any deviations from the existing SWWP. The proposed changes to the SSWP shall describe the contractor's proposed method of accomplishing the additional work, in accordance with the Basic Contract, this SOW, and the approved SWWP. The contractor may not mobilize to the site or begin working until the work plan change to the SSWP have been approved and a permission to mobilize issued. No single technical approach is appropriate for all OE sites. Therefore, the proposed additions/changes to the existing SSWP, prepared by the contractor, shall describe and justify the particular technical approaches proposed for use on the additional 40 acres at this project site.

3.3 (Task 7 – Fixed Price) Perform Location Surveys and Mapping on Additional 40 Acres. The contractor shall provide the necessary personnel and equipment to perform location and mapping surveys in accordance with DID OT-005-07.

3.4 (Task 8 – Fixed Price) Vegetation Removal on Additional 40 Acres. The contractor shall provide the necessary personnel and equipment to perform the minimum vegetation removal necessary to support UXO clearance at the site. No trees above 6 inches in diameter shall be disturbed.

3.5 (Task 9 – Fixed Price) Perform UXO Clearance and AEDA/Range Residue Management on Additional 40 Acres. The contractor shall provide the necessary personnel and equipment to locate, gain access, identify, recover, and dispose, including burning/demolition operations, of all UXO items at the site. The Contractor shall inspect, certify, and move to storage all UXO items and scrap at this site that have been rendered safe/inerted/de-energized. A planned, systematic, effective approach shall be used. The procedures shall comply with those contained in Basic Safety Concepts and Considerations for Ordnance and Explosives Operations, the approved work plan, and approved ESS. If burning/detonating operations cannot be conducted on-site, the Contractor shall submit a disposal feasibility letter for Contracting Officer approval, IAW DID OE-040. All transportation and demolition of UXO shall be in accordance with all applicable Federal, State, and local laws and regulations, including the disposal alternative approved by the Contracting Officer. If UXO is encountered that cannot be moved due to its condition and the location prevents disposal in place, then the on-site USACE OE Safety Specialist shall be notified. The contractor shall furnish all necessary personnel and equipment to inspect, certify, and transport all recovered AEDA/Range Residue to the approved OE Scrap Storage yard. The methodology to accomplish this task is defined in the existing, approved site-wide work plan for Fort McClellan.

3.7 (Task 10 – Fixed Price) Perform Quality Control on Additional 40 Acres. The contractor shall furnish the necessary personnel and equipment to administer a Quality Control (QC) Program to manage, control, and document contractor and subcontractor activities to ensure compliance with contract requirements. The methodology to accomplish this task shall be proposed in the WP amendment and shall be IAW CEHNC Data Item Description OE-005-11, "Quality Control Plan". The QC activities shall be documented and included in the Removal Report.

3.8 (Task 11 – Fixed Price) Removal Report. The Contractor shall incorporate the results of the additional work under this Scope of Work into the Overall Removal Report for this project, in accordance with DID OE-030. All data collected and prepared from this additional work shall

be provided as a separate appendix to the Removal Report.

4.0 SCHEDULE OF MEETINGS AND DELIVERABLES.

4.1 Deliverables. The Contractor shall provide the indicated deliverables on the following schedule:

Deliverables	Date
Draft Site-specific Work Plan and Explosive Safety Submission	21 days after award
Final Site-specific Work Plan/ESS	10 workdays after receipt of com'ts
Draft Work Plan Changes	10 days after award
Final Work Plan Changes	1 week after receipt of comments
Draft Removal Report to CEHNC	3 weeks after completion of field work
Draft-Final Removal Report to DDESB/FMC	1 week after receipt of CEHNC com'ts
Final Removal Report	1 week after receipt of final com'ts
Report/Minutes, Record of Meeting IAW DID OE-045	5 days after event
Monthly Status Report IAW DID OE-08	Monthly
Weekly Status Report IAW DID OE-085	Weekly
Cost/Schedule Status Report IAW DID OE-035	Monthly
Telephone Conversation/Correspondence Report IAW DID OE-055	Monthly
Ordnance Filler Report IAW DID OE-090	2 weeks after completion of field work

Accident/Incident Report IAW DID OE-015	Written report within 24 hours after the incident occurrence
OVERALL COMPLETION DATE	March 30, 2002 ³⁰ Nov 2002

The original of all status reports shall be sent within 10 days of the end of the reporting period by normal mail to:

Commander US Army Engineering and Support Center, Huntsville ATTN: CEHNC-OE-DC (Mr. Dan Copeland) P.O. Box 1600 4820 University Square Huntsville, Alabama 35816-1822

4.2 Addresses and Distribution. The Contractor shall furnish copies of the draft and final work plans and removal report as indicated to each addressee listed below in the quantities indicated. The Contractor shall use express mail services for delivering these plans and reports. Following each submission, comments generated as a result of their review shall be incorporated as applicable. All comments will be sent to the CEHNC Project Manager for consolidation prior to incorporation. The contractor shall annotate all comments to show all changes and/or responses to support those comments. The following addresses shall be used in mailing submittals:

ADDRESSEE	Draft Submittals	Draft- Final & Final Submittals

Commander US Army Engineering and Support Center, Huntsville ATTN: CEHNC-OE-DC (Mr. Dan Copeland) 4820 University Square Huntsville, Alabama 35816-1822	6	6
Commander US Army Engineer District, Mobile ATTN: CESAM-EN-GH (Mr. Ellis Pope) 109 St. Joseph St. Mobile, AL 36602-3630	2	2
U.S. Environmental Protection Agency ATTN: Mr. Doyle Brittain 61 Forsyth Street, SW Atlanta, GA 30303-3104	3	3
Alabama Department of Environmental Management Government Facilities Section, Haz Waste Branch, Land Division ATTN: Mr. Philip Stroud 1400 Coliseum Blvd, Montgomery, AL 36110-2059	3	3
U.S. Army Garrison ATTN: ATZN-ENV 291 Jimmy Parks Blvd. Fort McClellan, AL 36205-5000	<u>69</u>	<u>69</u>

All other submittals shall be distributed in accordance with the corresponding DID.

5.0 SUBMITTALS and CORRESPONDENCE.

5.1 Format and Content of Engineering Report. All drawings shall be of engineering quality with sufficient details. Reports shall consist of 8 1/2" X 11" sheets of paper. The report covers shall consist of durable binders and shall hold pages firmly while allowing easy removal, addition, or replacement of pages. A title shall identify the site, the Contractor, the Huntsville Center, and date. The Contractor's identification shall not dominate the title page.

5.2 Review Comments. The Contractor shall review all comments received through the CEHNC Project Manager and evaluate their appropriateness based upon their merit. The Contractor shall incorporate all applicable comments and provide a written response to each comment.

5.3 Identification of Responsible Personnel. Each submittal shall identify the specific members and title of the subcontractor and Contractor's staff, which had significant input into the report.

5.4 Correspondence. The Contractor shall keep a record of phone conversations and written correspondence affecting decisions relating to the performance of this task order in accordance with DID OE-055. A summary of the phone conversations and copies of written correspondence shall be submitted to the CO with the Cost/Schedule Status Report.

5.5 Computer Files. All final text files and drawings generated by the Contractor under this task order shall be furnished to the CO in accordance with DID OE-005-07 and DID OE-005-14.

6.0 PERFORMANCE METRICS. The performance and subsequently the evaluation of the contractor shall be based on certain performance metrics. The metrics include safety, quality, schedule, and customer satisfaction. At the completion of the Task Order a board consisting of at least two government personnel and one representative of the contractor will perform the contractor evaluation. The specific performance metrics in effect for this Task Order are stated in the Basic Contract Statement of Work.

7.0 SAFETY REQUIREMENTS. The Contractor shall develop and implement a Health and Safety Program in compliance with the

requirements of OSHA standard 29 CFR 1910.120 (b)(1) through (b)(4) and in accordance with DID OE-005-06, as required for this effort. The Contractor shall provide a copy of the Corporate Health and Safety Program for review as requested by the Contracting Officer. Hard hats and safety toe boots shall be worn when working in and around heavy equipment per USACE 385-1-1.

8.0 Public Affairs. In accordance with the Basic contract.

9.0 REFERENCES.

"Final EE/CA for the Eastern Bypass at Fort McClellan." April 2000, Zapata Engineering.

References identified in the Basic Contract as applicable.