

STATE OF HAWAII
DEPARTMENT OF DEFENSE
OFFICE OF THE ADJUTANT GENERAL
3949 DIAMOND HEAD ROAD
HONOLULU, HAWAII 96816-4495

June 23, 2014

ADDENDUM NO. 2

Repair and Improve Existing Small Arms Range to Become a Fully Baffled 25 Meter Range at Keaukaha Military Reservation (KMR), Hilo, State of Hawaii,
Department of Defense, Hawaii Army National Guard,
Job No. CA-1410

The items listed hereinafter are hereby made a part of the contract for the above mentioned project and shall govern the work taking precedence over previously issued contract documents governing the items mentioned. Receipt of this addendum is to be acknowledged on page OF-7 of the proposer's packet.

Questions received:

1. Per the design drawings, welding has been specified as the attachment method for AR500 steel. See sheet S-502, detail 1 (truss section) as an example. Field welding AR500 steel diminishes its hardness. Is through bolting all AR500 steel panels an acceptable alternate?

A. Holes or exposed bolts are not allowed on the face of the AR500 steel plate. The design standards require a flat steel plate where it may be struck by a bullet (including penetrating through the ballistic rubber). Through bolting could only be utilized in areas that are not exposed to weapons fire. There are very few places that bolts could be used. In particular, bolts could not be used in Detail 5/S-501.

Regarding welding of the plate, there are specific welding procedures which must be followed when welding on AR500 steel plate. It is anticipated and required that all welding on AR500 steel plate will follow these procedures to minimize any impacts on the properties of the AR500 steel.

2. Sheet S-501, detail 5, calls for framing member HSS. Can this one framing member be substituted/supplied by the baffle manufacturer (z-beam) as an alternate to allow for through bolting?

A. See response to RFI question No. 1. Through bolting which exposes holes or bolts on the face of the plate is not allowed. The choice of HSS was to use closed member that would not trap rainwater, that was wide enough to lap the welds, and strong enough over the shed roof. In general, there is no specific argument against the Z-Beams. However, the CONTRACTOR would have to produce an engineered drawing and calculations showing it would work (and drain). The back shed roof has particularly high loads compared to the baffles.

3. At what yard line is the final shooting position?

A. The range is a 25 Meter Zero Range which has only one firing location at the "0" meter line as shown on the drawings. There are target boots located at the 10m and the 25m target lines. The range was designed to allow HIARNG some flexibility in potentially using the facility as a CPQC with portable targets at some point in the future. If it is utilized as a CPQC in the future, there would be multiple additional firing locations.

4. As per 114860, 1.6,A,1, the specifications call for 5% extra ballistic rubber. Is this only for the rubber panels or for other rubber materials too?

A. The 5% extra ballistic rubber refers to the attic stock for ballistic rubber panels only.

5. As per 114860, 2.1, A. The specification states "The intent of this specification is to allow for flexibility in the use of any number of ballistic rubber materials available on the market." However, as per section 114860, 2.2,B,1 the specification states "ballistic rubber materials shall be a mixture of modified, high density composite rubber based particles, Kevlar and titanium particles, and bonding agents, molded under high pressure to form dimensionally stable ballistic panels and blocks.

How is flexibility to govern when the term "shall" is specifically stated? This word leans toward one specific manufacturer, please clarify?

A. The specifications are intended to allow flexibility in the selection of the ballistic systems. The language should include the following phrase "equal or greater than the system described in these specifications. "

Note: It will be the Contractor's responsibility to provide information to assist the Owner in determining that the system they propose is comparable or better.

6. As per 114860, 2.2,B,1. Extensive research indicates that no current vendor offers Kevlar/titanium within the makeup of their rubber. Please clarify this specification?

A. See Response to RFI Question 5. The contractor is not required to provide a ballistic rubber with the identical elements listed. The ballistic rubber panels must be shown to be of equal or better quality to those described.

Changes:

1. Page OF-7, replace #4 with the following.
 4. The liquidated damages per working day for failure to complete the work on time shall be at \$270.00 per working day or as stipulated in the General Conditions, whichever is higher.

Additional Information:

1. Building permit application (A2014-BH00078) has been approved for issuance pending the following requirements, to be provided by the contractor to the Building Department.
 - a. Payment of Permit fee.
 - b. Contractor's information.
 - c. Responsible Management Employee (RME) signature.
 - d. Verification of estimation of valuation by contractor.
 - e. Provide Special Inspections Form for items listed on sheet S-002.
2. Special inspections for work identified in the construction documents shall be done by Special Inspector(s) employed by the contractor as noted in the Statement of Special Inspections in the construction documents. The Special Inspectors shall furnish inspection reports to the Owner (HIARNG Project Manager) and Engineer of Record (Leidos).
3. This project is covered under the NPDES General Permit (File No. HI R10E313). The Contractor shall follow all NPDES requirements as noted in the construction documents and by the State Department of Health.
4. DoH NPDES Contractor Requirements include but are not limited to the items as follows:
 - a. Notify DOH of the construction start date within seven (7) calendar days before the start of construction activities.
 - b. Complete and submit the Solid Waste Disclosure Form for Construction Sites to the DOH, Solid and Hazardous Waste Branch, Solid Waste Section, as specified on the form at least 30 calendar days before the start of the construction activities. The form can be downloaded at:
 - <http://health.hawaii.gov/shwb/files/2013/06/swdiscformnov2008.pdf>.
 - c. Implement the SWPPP in accordance with HAR 11-55, Appendix C. The Director reserves the right to require the Permittee to modify the SWPPP.
 - d. Submit a new NOI with fling fee and obtain a new NGPC for any revisions to the information submitted in the NOI (with exception of changes to contact person information for non-transfer of ownerships and changes to the SWPPP). This NGPC cannot be modified.
 - e. Complete and submit the Notice of Cessation (NOC) within seven (7) calendar days after the end of the month that the subject project was completed.
 - f. All NGPC compliance submittals, including the NOC shall be submitted on the CWB Compliance Submittal Form for Individual NPDES Permits and NGPCs. This form shall be completed on the e-Permitting Portal located at: <https://eha-cloud.doh.hawaii.gov/epermit/vew/home.aspx>.

Darryll D.M. Wong
Major General
Adjutant General

Posted: June 23, 2014

PRE-BID CONFERENCE ATTENDANCE LIST

DATE: June 12, 2014 at 10:00am
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 25 Meter Range at KMR, Hilo, Job No. CA-1410

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