

**ADDENDUM FOUR  
HCSO-CPD RANGE REMEDIATION AND MAINTENANCE  
CONTRACT NUMBER P-15-001-202  
CITY OF CHATTANOOGA, TENNESSEE**

The following questions have been received regarding the Contract Documents, Specifications, and Drawings:

**I. Bid Date**

A. The bid opening date is extended to Thursday, August 18<sup>th</sup> at 2:00 PM.

**II. Questions**

1) Q: *Does the City plan to require a Performance & Payment Bond as well as retainage?*

A: Yes.

2) Q: *Is a TN Contractor's license required for this work?*

A: Yes.

3) Q: *In the Bid Documents, it refers to an area to be used for the screening process but this area was not shown on the drawings. Can this be identified?*

A: *There may be room on the range site to set up screening operations, however this is not guaranteed. The Contractor is ultimately responsible for securing a suitable space for processing as part of the pre-construction activities, including acquiring the SWPPP and other permits.*

4) Q: *In the Bid Documents, it refers to an area that is to be excavated and treated per the Base Bid, however this area was not clear. Please identify the area in question.*

A: *Sheet 3, Site Plan, has a light grey shaded area that represents the area intended to be mined.*

5) Q: *Will the cleaning of the trench between the shooting area and the backstop be part of this work?*

A: Yes, cleaning the trench is included in the scope of work as part of Add Alternate 3.

6) Q: *Will the targets be removed prior to beginning this work?*

A: *The target mechanisms in the trench will not be removed prior to beginning this work. The stationary targets may be removed prior to starting work, but removal is not guaranteed.*

7) Q: *Is the TCLP result on the screened and treated material the only test result to be used to determine if the soil is clean?*

*A: No, an SPLP test is required on every 500 CY of screened and treated material. Also, Excavation Confirmatory Sampling will be required to verify limits of excavation, as described in this Addendum.*

- 8) Q: Is there a place on site to place the tree vegetation or should that be transported off site for disposal?*

*A: Removed vegetation can be stockpiled on site for City personnel to remove.*

- 9) Q: What is the time frame from bid submittal to award to NTP?*

*A: Award date will be approximately one month following the bid date, with NTP being approximately 6 weeks following the bid date. These estimates are best-case scenario and are influenced heavily by external factors outside the control of the Department of Public Works.*

- 10) Q: Can you please identify the sections that talk about PVC piping, metal piping, sewer manholes, etc that do not apply to this work.*

*A: PVC sewer & service pipe and electrical conduits are not required. However, the bidders should be aware that the potential exists for required coordination with the City's electrical subcontractor. A precast catch-basin-like structure is part of Add Alternate 2.*

- 11) Q: Part 1 - The Scope of Work Overview lists "Environmental Range Assessment and Delineation" as a task. Part 6 Execution does not address delineation and limits assessment to soil treatability studies. Is this correct?*

*A: This is correct. The area to be processed is strictly around the primary range as shown on Sheet 3. Delineation of the limits of treatment at other locations at the facility will not be included in the scope of this project.*

- 12) Q: If the range is to continue in operation, what potential work hours will be limited?*

*A: Standard work hours are Monday through Friday, 7 AM to 8 PM, and Saturday 7 AM to 8 PM with 24 hours' advance notice. The range facility will continue to be open. However, the intention is for the primary range to be closed during work.*

- 13) Q: Will the Contractor be held responsible for lead contamination of the site that occurs during the continuing operation of the range?*

*A: Any authorized operation of the range during this project shall be done in such a fashion as to avoid depositing lead into the active areas of Work, including stockpiled materials for processing and post-processing. The Contractor will not be held responsible for additional lead contamination directly caused by the City; however, the Contractor will be responsible for protecting their Work from unauthorized use that may result in additional contamination.*

- 14) Q: Are there existing site assessment reports that identify lead contamination total concentrations and distribution that are available?*

*A: Yes. The Corrective Action Plan prepared for the Chickamauga and Chattanooga National Military Park - Tracts 11-104E and 11-104H, dated August 22, 2014, indicates*

*concentrations and distribution for the primary range (Range 1, Figure 3). This report was released with Addendum No. 3.*

15) Q: *Once excavation has reached the designated depth, is there a requirement for confirmatory sampling?*

A: *Yes. The Contractor will be required to perform Excavation Confirmatory Sampling as follows:*

Excavation confirmatory sampling will consist of field screening soil for lead using either an XRF, or another field screening device, such as a Palintest SA-5000 Scanning Analyzer. During the course of the excavation activities, up to 200 soil samples will be field-screened using this method, which will provide same-day results in the field. This will be an approximate rate of 1 sample per every 10 CY of excavated material.

Screening samples will be collected in sufficient locations in the bottom and sides of the excavation to evaluate whether the lead-impacted soil has been adequately removed. Based on the results of the field screening analyses, the Engineer or the Engineer's authorized representative will direct the Contractor to cease or continue excavation of soils. The goal will be to remove the soils exceeding the 400 mg/kg residential RSL for lead, to the extent practical. The Engineer or the Engineer's authorized representative will also photograph and document field activities conducted during the soil excavation and removal.

Approximately 10 percent of the field screening samples (up to 20 samples) will be split in the field and sent to a laboratory for analysis of total lead using EPA Method 6010. These laboratory splits will be analyzed on a 24-hour turnaround time in an effort to obtain the results prior to backfilling the excavation. If the laboratory analyses do not support the field screening results, additional excavation may be required. If the laboratory results confirm the field screening results, the Contractor will begin the backfilling and berm restoration activities. No groundwater sampling is planned.

The cost of Excavation Confirmatory Sampling shall be included in the cost of other bid items, and not measured or paid for separately.

August 10, 2016

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/s/ Justin C. Holland, Administrator  
City of Chattanooga  
Department of Public Works