| **Request for Bids** | **Marshall University<br>Office of Purchasing<br>One John Marshall Drive<br>Huntington, WV 25755-4100<br>Direct all inquiries regarding this order to: (304) 696-2820** | **Bid#**<br>MU17ABATEMENT<br>Addendum #2 |
|---|---|---|

**Vendor:**

**Phone:**

**FEIN/SSN:**

**Fax:**

**For information contact:**

**Buyer:** Virginia M. Campbell-Turner
**Phone:** (304)696-2820
**Email:** campbell@marshall.edu and purchasing@marshall.edu

**Sealed requests for bids furnishing services described below will be received by the Institution. TO RECEIVE CONSIDERATION FOR AWARD, UNLESS OTHERWISE NOTED, THE BID WILL BE SUBMITTED IN BONFIRE ON OR BEFORE THE DATE AND TIME SHOWN FOR THE BID OPENING. The Institution reserves the right to accept or reject bids separately or as a whole, to reject any or all bids, to waive informalities or irregularities and to contract as the best interests of the Institution may require. BIDS ARE SUBJECT TO THE GENERALTERMS AND CONDITIONS AS SET FORTH HEREIN.**

| **DATE** 07/10/2016 | **DELIVERY REQUIREMENTS** | **DEPARTMENT REQUISITION NO.** | PROPOSALS OPEN: 3:00 PM on July 19, 2016 | |
|---|---|---|---|---|

| Item # | Quantity | Description | Unit Price | Extended Price |
|---|---|---|---|---|
| | | ADDENDUM NO. 2<br><br>Project Name: Asbestos Abatement<br><br>The purpose of this addendum is as follows:<br>(1) To change the Bid Opening Date<br>(2) To replace Attachment B in Addendum 1 with new specifications for Demolition.<br><br>Bid Time and Date **Now Reads**: 3:00 PM on July 12, 2016<br>**Change to Read**: 3:00 PM on July 19, 2016<br><br>Replace Attachment B in Addendum 1 with the following attachment named "Demolition Specifications".<br><br>*Addenda must be signed and submitted with your bid documents. Non-submittal of addenda may be cause for rejection of bid.* | | |

**Total**

**To the Purchasing Department,**
**In compliance with the above, the undersigned offers and agrees, if this offer is accepted within _____ calendar days (30 calendar days unless a different period is inserted by the purchaser) from the bid open date, specified above, to furnish any or all items upon which prices are offered, at the price set opposite each item, delivered at the designated point(s), within the time specified.**

Bidder guarantees shipment from _____ within _____ days

FOB After receipt of order at address shown

Terms _____

Bidder's name Vendor _____

Signed By _____

Typed Name _____

Title _____

Street Address _____

City/State/Zip _____

Date _____ Phone _____

Fein _____

BOG 43

**Replacement of Attachment B from Addendum #1**

## DEMOLITION SPECIFICATIONS

### I. PROJECT SCOPE

A. Demolish all structure as follows including all below-grade foundations:
B. All razed debris shall be removed from the site including foundation elements and site utilities to the property lines.
C. After removal of the building structures, the concrete walks, drives, ramps, etc. and the completion of fill placement at basements and trench excavation, all vegetation/trees, etc. shall be removed from the site. Elevation contours shall remain as existing.
D. The contractor shall be wholly responsible for removing all demolition debris from the site and shall ensure that the debris is properly disposed of in an off-site permitted facility.

### II. GENERAL CONTRACT CONDITIONS

A. The contractor shall be solely responsible for the method, manner, and detail in which the work is performed. The work shall comply with all applicable, local, city, state or federal laws or regulations. This contract shall be for the demolition of all of the specific structures.
B. The contractor agrees to save Marshall University harmless against any property damage or any person injury claims that may result from any activities conducted with respect to the completion of the required scope of work associated with this project.
C. All construction equipment shall be in satisfactory operating condition and be capable of safely and efficiently performing the work required. The contractor shall provide qualified personnel for the operation of this equipment.
D. The contractor shall demolish and remove all buildings, asphalt, concrete foundations, sidewalks and other structures as specified in these specification and drawings. If any structures are to be removed from the premises in whole or substantially whole condition, the

contractor must obtain any and all permits and pay any or all fees required to perform such transportation.

E. Upon the demolition and removal from the premises of a building or structure in accordance with the contract, such buildings or structures remains thereof shall become property of the contractor unless otherwise noted by the owner.
F. Storage of salvage materials and equipment on the project will be permitted only for the duration of the contract and such storage shall at no time interfere with the activities of the university or other contractors. The storage of salvage materials shall in no way delay or alter in any way the schedule of the project.

## III. MOBILIZATION

Upon receipt of formal notice to proceed, the contractor shall initiate and complete measures necessary to commence the work. Mobilization shall also consist of delivering to the site and assembling in working order all necessary equipment, materials, and supplies to be furnished by the contractor to complete the work.

## IV. SITE SAFETY

A. The contractor shall be solely responsible for implementing site controls to address the safety of the contractor personnel, university personnel and off-site residents. Site controls may include, but are not limited to, the installation of site perimeter fencing and temporary safety fence.
B. The contractor shall use all methods under his control to minimize the amount of fugitive dust emitted from the site during demolition, loading and transport of debris from the site. The owner will provide water service for the contractor at a designated location. The contractor shall supply hoses and necessary equipment to disperse water throughout the demolition site.
C. During all demolition operations to be conducted in close proximity to the adjacent streets, control of traffic shall be the sole responsibility of the contractor. In the event that traffic must be stopped or redirected during the demolition operations, the

contactor shall coordinate all activities with the appropriate city and state officials prior to commencing operations. The contractor shall be responsible for all coordination and cost associated with such a closure. The contractor shall be responsible for all traffic barriers, barricades, or flag persons required for such work.

D. Access to the site from non-contractor foot and vehicular traffic shall be strictly controlled. The outer perimeter boundary of the site shall be fenced with temporary fencing to provide a visual boundary around the site. The fence shall be of chain link or wire type at least four feet (4'-0") in height and have metal post maximum of ten feet (10'-0") center to center. The fencing should be marked with warning signs at vehicular traffic to enter and leave the site, which shall be gated and locked at all times during off-work hours.
E. During off-work hours all trenches, open excavations and voids shall be marked and temporarily fenced to prevent access from pedestrians.

## V. GENERAL SAFETY REQUIREMENTS

A. The contractor shall be solely responsible for providing a safe place for his employees to work and for all responsibilities in connection with the safety of the premises and shall be responsible to his employees and the public at large to ensure that the work is done in a safe and workmanlike manner.
B. Material shall not be dropped by gravity or thrown outside the exterior wall of a building during demolition. Wood or metal chutes shall be provided for the removal of such materials. Where the removal of any material will cause excessive amounts of dust, such materials shall be wet down.
C. In the event that the contractor or subcontractor encounters any suspected hazardous materials, the contractor is to immediately contact the university's owner representative prior to continuing work.

## VI. ENVIRONMENTAL CONCERNS

A. The contractor shall take extreme care to ensure that fugitive dust emissions are to be kept at a minimum to lessen the impact on nearby residents and to avoid possibly exceeding the West Virginia Department of Environment Protection, Division of Air Quality, particulate emission or opacity limits. The contractor is solely responsible for all permits, fines and/or remediation required as a direct result of the work.

B. Several methods to reduce fugitive emissions may be employed. These include water sprays on razed building materials during demolition, the covering of truck beds hauling dry building materials or earth, as well as the cleaning of tracked earth from city streets. The contractor shall construct a stone pad just prior to the planned exit for truck traffic from the site. The pad shall be of adequate size to provide some cleaning of the truck tires prior to entering the asphalt roadways. In the event that this does not adequately clean the tires, the contractor shall provide a laborer to man a water hose spray. The laborer shall be dedicated to cleaning the wheel wells and tires of all trucks leaving the site. In the event that temperatures fall below freezing during truck washing operations, it is the contractor's responsibility to keep the city road surfaces from freezing and becoming hazardous.

C. If lead based paint is present, the contractor shall conduct all work in compliance with all local, state and federal rules and regulations.

## VII. SITE UTILITIES

A. Prior to commencing with the demolition and removal of razed materials from the site, the contractor must coordinate with the appropriate utility providers to locate and disconnect existing utility services to each building. The university will contact all appropriate utilities prior to demolition. Any domestic/fire water lines, sanitary storm lines, and buried or overhead electric, gas, and communication lines entering or leaving the property will be removed by the

demolition contractor. Termination and plugging at the property line will be the responsibility of the demolition contractor.

B. The contractor shall prepare and update a map of the site showing the locations of all utility lines that have been abandoned and plugged at the site. The mapping shall indicate the termination points of each of the utilities abandoned at the site. This map shall be presented to the university after completion of the demolition project.

## VIII. SEDIMENT CONTROL

A. The contractor shall take extreme care to ensure no erosion or sediment leaves the site and enters into the local storm sewer system. The contractor is solely responsible for all permits, fines and/or remediation required as a direct result of the work.
B. This item shall consist of furnishing all materials, equipment, labor and incidental necessary for the installation of but not limited to: hay or straw bale silt checks, silt fence, super silt fences, wattles, temporary sediment basins, drop inlet protection, vegetated strips, etc. to be installed about the perimeter of the disturbed areas prior to any demolition activities. Sediment control shall be placed around areas where soils are being disturbed, removed or shaped to contour in order to protect sidewalks, streets, and drainage.
C. All materials and installation procedures related to the use of the above practices and all other practices shall meet the requirements of the "WV Erosion and Sediment Control Best Management Practice Manual 2006."
D. During the course of the project, sediment control shall be maintained in good condition; accumulations of silt, which may threaten their effectiveness, shall be removed. Silt removed from the sediment control structures should be spread in the general vicinity. Upon completion of the project, the university may direct the contractor to remove, clean, or replace silt control structures.

## IX. GENERAL EARTHWORK AND FILL PLACEMENT

A. The contractor shall provide the compaction equipment required to meet the density requirements specified herein and achieve a fill of uniform compaction throughout trenches formed by utility removal and basement areas. In areas accessible to power rolling equipment, the equipment must weigh a minimum of one-ton static weight and can be operated from a seat on the equipment. For tight areas, the use of a walk-behind compactor is permitted. The size and operating speed of the compaction equipment shall be such that its compaction effort will proved the specified densities. The use of hand tampers shall not be permitted.

B. In all cases, adjust the compaction equipment loads and method of operation to give the most suitable results for the material to be compacted. Compaction equipment to be used on the project shall be approved by the university. The maximum lift thickness shall be adjusted to achieve the required degree of compaction throughout the entire lift, but in no case shall it exceed 12 inches loose lift.

C. Cease fill placement whenever the fill has not received sufficient compaction as determined by the university. Continue the compaction operation until the proper compaction is achieved. If proper compaction cannot be achieved, remove and replace the material with suitable material at no further expense to the university.

D. The fill material shall be compacted to a minimum of 98 percent of their Standard Proctor maximum dry density, plus or minus 3 percent optimum moisture content (ASTM D698.) Each soil material proposed for use as fill shall be tested to determine the Proctor density and optimum moisture content. A sample of each borrow material shall be tested for Standard Proctor density and optimum moisture content prior to backfilling operations. The contractor shall have the option to use materials such as bank-run sand or crusher-run stones for filling materials. These material will require a minimum 12 inch cap of earthlike material from an approved borrow site.

E. Field density testing shall be conducted at a minimum of one (1) per lift or every 50 linear feet of trench backfill. The cost for all testing shall be the responsibility of the contractor. All tests shall be submitted to the owner for approval prior to compacting the fill and after fill compaction to verify that the compaction criteria are obtained.
F. During tree removal stumps shall be grinded to a minimum of 12 inches below the surface.

## X. FINAL SHAPING AND CONTOURING

The final contour of the site shall remain at existing elevations. All vegetation, trees, grass, etc. shall be removed from the site. After placement of the fill materials and removal of the above items, the site shall be proof rolled with a smooth drum roller of adequate size to seal off the top layer of material.