

**DEPARTMENTAL INPUT
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

To: Gary T. Hartfield, Division Director
Internal Services Department
Small Business Development Division

From: Leo Vargas, OCI Supervisor
Procurement Section.

Department: Miami-Dade Water and Sewer Department

Contract Title: Chemical Building Asbestos Removal at the Virginia Key Sewer Treatment Facility

Contract No.: MCC-7360.

Estimate Amount: \$70,000.00

Account Funds: General Fund

RECOMMENDATION
CSBE GOAL -0% (No availability)
No Goal

Analysis for Recommendation

Item	Description	Estimated Cost	% of Item to Base Bid	CSBE Availability
1.	Asbestos containing material to be removed including white duct insulation throughout the facility, all 9" x 9" vinyl flooring and associated mastic in the Women's Restroom	\$70,000.00	90	
2	Contingency Allowance	\$7000.00	10	
3				
4				
5				
	TOTAL	\$77,000.00		

Department Head or Authorized Agent.



RC Date:

DEPARTMENT INPUT
CONSTRUCTION CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

Check applicable Ordinance(s): 90-143 Responsible Wage and Benefits 03-237 (formerly 03-1) Community Workforce Program

PROJECT INFORMATION See attachment

Contract/Project/*Work Order No.: **P0143**

*Reference corresponding project number when submitting a work order

Contract/Project Title: **Chemical Building Asbestos Removal at the Virginia Key Sewer Treatment Facility**

Description/Scope of Work: Asbestos-containing material to be removed within this scope of services includes those materials, quantities and locations identified as ACM and recommended for removal, as outlined by the Owner. Briefly, asbestos-containing materials to be removed include the following materials:

• White duct insulation throughout the facility – Full Containment

• 9"x9" vinyl floor tile and associated mastic in the Women's Restroom – May be performed as either full or mini-containment at the contractor's discretion

Removal of the above ACM shall be included in its entirety as part of the Contractor's primary bid. No additional monies will be awarded for the contractor's failure to properly inspect the facility to verify scope of work prior to submitting a bid. MDWS Virginia Key Page #5

Special Conditions:

The Chemicals Laboratory cannot be shut down at any time during this abatement project. The Contractor shall make arrangements and set containments to assure occupant access to the lab at all times. A small portion of the Laboratory into which the asbestos-containing ductwork extends shall be isolated for abatement.

The asbestos-containing ductwork is deemed friable and has sustained some partial erosion and other damage. As such, removal of non-ACM acoustic ceiling tile and plaster ceilings shall also be performed. These materials must be removed under full-containment and disposed as ACM under the same guidelines and requirements as listed below.

Estimated Cost: **70000** Funding Source: **General funds**

Location of Project (street address or beginning and ending points) i.e. 12345 NE 23rd Ct or Starts at 135 St. ends at 145 St.
3989 Rickenbacker Causeway

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CWP) See attachment

Engineer/Department or Agency's estimated required workforce for Project Work Order :

Trade/Skills Required	Est. # of workforce required per trade	Est. # of total days to complete job
N/A		
N/A		
N/A		

Comments: _____

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
0	\$	0%	
0	\$	0%	
0	\$	0%	

RECOMMENDATION

Set-Aside: Level 1 Level 2 Level 3 Trade Set-Aside Sub-Contractor Goal Workforce Goal No Measure

Basis for Recommendation:No CSBE Asbestos Contractors available on the MCC 7040 Plan

Date submitted to DBD:

Contact Person:Jose Vilaboy

Telephone No.:305-798-4796



**ASBESTOS REMOVAL SPECIFICATIONS
MIAMI-DADE WATER & SEWER FACILITY
CHEMICAL LABORATORY BUILDING
3989 RICKENBACKER CAUSEWAY
VIRGINIA KEY, FLORIDA**

NV5, Inc. Project #14-2537

Prepared For:

**Miami-Dade Water and Sewer Department
3071 SW 38th Avenue
Miami, Florida 33136
Attn: Mr. Jose Tovar**

Prepared by:

**NV5, Inc.
1713 S. Kings Avenue
Brandon, Florida 33511
Florida Asbestos Business Organization ZA-419**

March 28, 2014

A handwritten signature in black ink, appearing to be 'Steven A. Lipson'.

**Steven A. Lipson, CIH, CSP, FLAC
Certified Industrial Hygienist #7658
Certified Safety Professional #10978
Florida Asbestos Consultant AX-43**

**1713 S Kings Avenue
Brandon, FL 33511**

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1.0 INTRODUCTION

The following procedures are intended as general guidelines by which the selected contractor shall perform the asbestos removal project specified. All work performed on this project shall be done in compliance with these guidelines, applicable Federal, State and Local regulations, and as specified in the contractual agreement between the selected Contractor and the Owner. Wherein any conflict between the written procedures outlined herein, and any applicable regulations shall arise, the more stringent requirement shall be applied in all cases, except when specifically requested by the Contractor and approved in writing by the Consultant, acting as the Owner's representative.

Owner:

The Owner of the facility; hereafter collectively referred to as "The Owner" is

**Miami-Dade Water and Sewer Department
3071 SW 38th Avenue
Miami, Florida 33136**

Owner's Consultant:

The Consultant is the designated representative paid by Sutton Place 2008, and shall have no affiliation with the Contractor other than via this document.

The Consultant for this project is:

**NV5, Inc.
Steven A. Lipson, CIH, CSP, CIEC, FLAC
1713 South Kings Avenue
Brandon, Florida 33511
Ph. (813) 571-9788
Fax. (813) 571-9374
Steve.Lipson@NV5.com**

The Consultant may be contacted with any questions regarding these specifications, applicable regulations, guidelines, or the requirements of these procedures. These will be reported to the Owner with a description of the activity, and any requested/required alternatives.

This project involves work in a publicly-owned facility. Therefore, the Contractor will be required to meet the standards of Davis-Bacon wages in accordance with applicable regulations.

2.0 PRE-JOB SUBMITTALS

Submit two copies of Pre-Job Submittals to NV5, Inc., at least 72 hours prior to the commencement of the project. No project activities are to commence until approval of the Pre-Job Submittals and authorization to proceed have been given by the Owner.

Pre-Job Submittals shall include, but not be limited to the following:

1. Copy of project notification to applicable regulatory agencies
2. Projected project schedule, in accordance with those schedules established at the pre-bid meeting. The projected schedule is subject to change at Owner's request. Reasonable accommodation may be applicable for additional mobilizations required by the Owner.
3. Supervisor and worker roster including: valid, updated asbestos training certificates; medical authorizations; and respirator fit test documentation for all workers assigned to completion of the project.
4. Copy of State of Florida Asbestos Contractor Business License.
5. Proof of Contractor insurance naming the Owner and Consultant as additionally insured.
6. Copy of Contractor's respiratory protection program, signed by an individual certified in comprehensive practice by the American Board of Industrial Hygiene (CIH).

3.0 SCOPE OF WORK

Asbestos-containing material to be removed within this scope of services includes those materials, quantities and locations identified as ACM and recommended for removal, as outlined by the Owner. Briefly, asbestos-containing materials to be removed include the following materials:

- **White duct insulation throughout the facility – Full Containment**
- **9"x9" vinyl floor tile and associated mastic in the Women's Restroom –**
May be performed as either full or mini-containment at the contractor's discretion

Removal of the above ACM shall be included in its entirety as part of the Contractor's primary bid. No additional monies will be awarded for the contractor's failure to properly inspect the facility to verify scope of work prior to submitting a bid.

Special Conditions:

The Chemicals Laboratory cannot be shut down at any time during this abatement project. The Contractor shall make arrangements and set containments to assure occupant access to the lab at all times. A small portion of the Laboratory into which the asbestos-containing ductwork extends shall be isolated for abatement.

The asbestos-containing ductwork is deemed friable and has sustained some partial erosion and other damage. As such, removal of non-ACM acoustic ceiling tile and plaster ceilings shall also be performed. These materials must be removed under full-containment and disposed as ACM under the same guidelines and requirements as listed below.

4.0 PROJECT SCHEDULE

The project schedule for all abatement activities shall be performed in accordance with the phasing requirements described to the Contractor at the time of the pre-bid meeting. As stated, the Contractor shall be responsible for all costs incurred by the Owner (i.e. Consultant's fees) as a result of the Contractor's failure to meet the time schedule submitted by the Contractor as part of the bid.

All work on this project shall be performed during normal working hours (8:00am to 5:00pm) Monday through Friday. Work outside of normal hours shall not be conducted unless authorized in writing by the Owner.

5.0 ISOLATION OF THE WORK AREA

The selected Contractor shall maintain a "competent person" as defined by applicable regulations, on site at all times during the performance of any of the tasks described within this procedural document. The "competent person" shall maintain a current forty-hour asbestos contractor/supervisor's certification.

Full Containments:

All work areas shall be isolated in order to minimize accidental disturbance of materials and to prevent uncontrolled releases of asbestos fibers.

- 5.1 Isolate all work areas using required signs, barrier tape, and polyethylene sheeting. A layer of black polyethylene sheeting shall be used to visually isolate all work areas

protocol (25% of the work force minimum); and a minimum of two samples during each shift, unless a negative exposure assessment is in place. Worker sample results shall be posted at the site within 24 hours of sample collection.

- 7.5 Work areas shall be considered cleared when approved visual observation has been completed, and when air testing performed by the Consultant documents airborne fiber levels less than 0.01 fibers per cubic centimeter. The Contractor shall be required to pay all Consultants' costs associated with failed clearance testing including at minimum, **\$750.00 for each repeated clearance test**. Contractors final invoice will not be approved by the consultant until all such obligations are met. Additional air sampling fees, during re-cleaning of failed work areas shall also apply.

8.0 POST-JOB SUBMITTALS

- 8.1 Submit two (2) copies of post-job submittals to the Consultant within 10 calendar days after finish of the project.
- 8.2 Submittal approval will be forwarded to the Owner with a recommendation for release of payment when all required submittals are approved for accuracy, completeness and appropriateness by the Consultant.
- 8.3 Original request for payment (Contractor's invoice) shall be forwarded directly to the Owner. Payment shall not be rendered until after the Owner has received notice that the Post-Job Submittals have been received and approved by the Consultant, and disposal manifests have been received by the Owner.
- 8.4 Post-job submittals shall include the following, as a minimum:
1. Contractor's invoice
 2. Disposal Receipts
 3. EPA/NESHAP Waste Shipment Record
 4. Daily Logs/Reports
 5. Personal Air Sampling Results

9.0 BIDDING REQUIREMENTS

All bids for this project shall be submitted to the Owner, as defined during the pre-bid meeting and in documents distributed by the Owner.

6.0 REMOVAL WORK PROCEDURES

- 6.1 Remove all ACM as contaminated waste. All ACM must be double bagged in labeled, six (6) mil polyethylene bags.
- 6.2 Ensure that all asbestos-containing or asbestos-contaminated materials are saturated with amended water using an airless sprayer capable of providing a mist application. Additionally, the air space in the removal areas shall be misted with amended water during removal procedures.
- 6.3 Remove asbestos-containing materials in small increments. Ensure that materials remain wetted during removal activities. Bag materials concurrent with removal.
- 6.4 Continue removal until all visible ACM is removed and bagged.
- 6.5 **As previously noted, the Chemical Laboratory shall be required to be open at all times during abatement. The Owner's representative will conduct ambient air monitoring in this area while the abatement is ongoing. If at any time sampling in the Laboratory area indicates airborne fiber levels above 0.01 fibers per cubic centimeter, all work on the project shall stop until such time as the source of contamination has been located and addressed and additional air sampling documents airborne fiber levels within acceptable levels.**

7.0 FINAL CLEANING, AIR MONITORING & CLEARANCE TESTING

- 7.1 Upon completion of asbestos removal activities, the Contractor Supervisor shall inspect the removal area for completeness. After satisfactory inspection by the Contractor Supervisor, the Consultant shall be notified to perform an additional visual inspection of the work area.
- 7.2 After work areas have been inspected by the Consultant and deemed acceptable, all surfaces from which asbestos-containing materials were removed shall receive one coat of encapsulant.
- 7.3 After completion of work area encapsulation, clearance air monitoring utilizing aggressive techniques shall be conducted by the Consultant. All air samples collected for this project shall be analyzed by Phase Contrast Microscopy (PCM), utilizing NIOSH Method 7400.
- 7.4 The selected contractor shall be responsible for conducting personnel air monitoring. The sampling will be conducted in accordance with OSHA compliance air monitoring

adjacent to occupied areas, where applicable.

- 5.2 Construct "critical barriers" using two layers of polyethylene sheeting of minimum 6-mil thickness.
- 5.3 The Owner shall be responsible for removal of all movable items from the work area prior to commencement of abatement. Contractor shall HEPA vacuum, wet wipe and, as applicable, remove or cover with a minimum of two layers of 6-mil thickness polyethylene sheeting, all exposed surfaces and/or remaining moveable items in the work area, including wall, floor and ceiling surfaces from which ACM is not being removed.
- 5.4 Contractor shall construct a rigid three (3) chamber decontamination unit, as defined by applicable regulations, to provided access and egress to the work area.
- 5.5 Contractor shall install negative air equipment in sufficient quantities to insure that negative pressure of at least 0.02 inches of water is maintained. The contractor shall maintain a recording manometer equipped with an alarm, at all times asbestos removal work is in progress. Should the manometer indicate negative pressure of less than 0.02 inches of water within the containment area, work shall stop until negative pressure has been re-established.
- 5.6 Minimum respiratory protection for the cleanup/removal project shall be powered air purifying respirators (PAPR) equipped with P-100 filters for all removal work on this project.
- 5.7 Provide all workers with proper personnel protection including but not limited to, tyvek suits, work boots, etc.

Mini Containment (floor tile & mastics – at contractor's discretion):

- 5.9 ACM floor tiles and mastic located in full containment removal areas may be included and removed as part of other activities within the full containment work area. ACM floor tile and mastic in locations where other operations do not require a full containment may be removed via mini-containment including all preparation features above with the following acceptable exceptions:
 - Critical barriers and four-foot splashguards shall be constructed utilizing 6-mil polyethylene sheeting in lieu of full wall and ceiling barrier construction.
- 5.10 Solvents used for the removal of mastics shall have no known toxic or carcinogenic effects, a flashpoint greater than or equal to 140 degrees Fahrenheit, and **NO ODOR**. The Contractor shall submit an MSDS for the solvent with the pre-job submittal package.