

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION
AND DEVELOPMENT

LETTER BID
PROPOSAL

STATE PROJECT NO. 455-09-0025 (H.003495) (PART 4)
(Contract No. 17)
FEDERAL AID PROJECT NO. 0906(517)
I-49 NORTH (I-220 TO MARTIN LUTHER KING DRIVE)
DEMOLITION OF BUILDINGS
CADDO PARISH

NOTICE

DEMOLITION OF STATE-OWNED BUILDINGS AND APPURTENANCES "WHERE IS - AS IS"

Sealed letter bids for the demolition of State-owned buildings and appurtenances will be received by the Louisiana Department of Transportation and Development, Real Estate Section, 1201 Capitol Access Road, Baton Rouge, Louisiana 70802 until 4:15 P.M. on Wednesday, May 15, 2013, after which bids will be received in the Louisiana Department of Transportation and Development Auditorium, 1201 Capitol Access Road, Baton Rouge, Louisiana, from 9:00 A.M. until 10:00 A.M. on Thursday, May 16, 2013, at which time and place bids will be publicly opened and read. No bids will be received after 10:00 A.M.

STATE PROJECT NO. 455-09-0025 (H.003495) (PART 4) (Contract No. 17)
FEDERAL AID PROJECT NO.0906(517)
DEMOLITION OF BUILDINGS AND APPURTENANCES, Item 14-3 A: 1000 Sq. Ft. Wood Framed Residence, 14-3 B: 100 Sq. Ft. Metal Building.
PERFORMANCE GUARANTY: \$1,100.00

DISTRICT PROPERTY MANAGER: Debra Boutwell, 3339 Industrial Drive, Bossier City, Louisiana 71112, (318) 549-8455

Bids must be submitted on forms provided by the Department. Bid forms may be obtained upon request from 1201 Capitol Access Road, Baton Rouge, Louisiana 70802, Phone 225-242-4593. Bid forms may also be downloaded from the Department's Real Estate web site FOR VIEWING ONLY at, http://www.dotd.state.la.us/highways/project_devel/realestate/realestate.asp. Written requests for bid forms should be sent to Louisiana Department of Transportation and Development, Real Estate Section, 1201 Capitol Access Road, Baton Rouge, Louisiana 70802. Bids should be mailed to Louisiana Department of Transportation and Development, Real Estate Section, 1201 Capitol Access Road, Baton Rouge, Louisiana 70802.

The Performance Guaranty shall be enclosed with the bid. Bid forms must be accompanied by a properly completed W-9 form, which is necessary for the refund of the Performance Guaranty.

Buildings offered for sale may be occupied, locked or boarded up. The buildings may be inspected by prospective bidders by appointment only between the hours of 8:00 A.M. and 4:00 P.M., Monday through Friday, by contacting the District Property Manager or his authorized representative.

The right is reserved to reject bids and waive informalities.

SECRETARY, DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

LOUISIANA DEPARTMENT OF
TRANSPORTATION AND DEVELOPMENT

INSTRUCTIONS TO BIDDERS
DEMOLITION OF BUILDINGS

SUBMITTAL OF BIDS: Bids must be submitted on the form provided herein and the bid prices shall be written in ink. The proposal and Contract must also be signed in ink. The bidder must also execute his portion of the enclosed Contract and have his signature witnessed by two witnesses. The portions of the Contract which must be completed by the bidder are shown on the enclosed sample. Failure of the bidder to submit the Contract properly executed along with his/her bid will be cause for rejection of his/her bid. The Department will execute its portion of the contract and date it immediately after determination of the successful bidder. The proposal, performance guaranty, Contract and other information specified in the proposal shall be submitted in a sealed envelope so marked as to indicate its contents without being opened. This envelope shall be placed in another which shall be sealed, addressed and delivered to the Louisiana Department of Transportation and Development, Baton Rouge, Louisiana, before the time specified for opening bids. Bids received after the time specified will be returned to the bidder unopened. If the bidder desires to change a bid price before the time specified for opening bids, he may do so by striking through the original bid price, writing the new bid price in ink and initialing.

PERFORMANCE GUARANTY: The performance guaranty must be enclosed with the bid; must be in the amount specified in the "Notice" elsewhere herein; and must be made payable to the Louisiana Department of Transportation and Development.

The performance guaranty shall be a bond, certified check, official check, cashier's check, postal money order or bank money order. If the performance guaranty is a bond, it shall be similar to the bond form elsewhere herein and shall be guaranteed by a surety company authorized to do business in Louisiana.

Performance guaranties, except those of successful bidders, will be returned to bidders after determination of successful bidders. Bid forms must be accompanied by a properly completed W-9 form, which is necessary for the refund of the performance guaranty.

All costs for furnishing performance guaranties shall be borne by the bidder.

REJECTION OF BIDS: Proposals submitted without the Performance Guaranty will be rejected. Proposals submitted with incomplete bids, additions not called for, or conditional or alternate bids not called for, or without the proper signatures will also be rejected.

LOUISIANA DEPARTMENT OF
TRANSPORTATION AND DEVELOPMENT

CONDITIONS OF DEMOLITION

APPURTENANCES: "Appurtenance" shall be defined as: That which belongs to something else; something annexed to another thing more worthy as principal, and incident to it, such as outbuildings.

AWARD OF CONTRACT: The award of Contract, if awarded, will be made to lowest responsible bidder on the total bid for all parcels immediately after determination of the successful bidder.

LAWS TO BE OBSERVED: The contractor shall comply with all Federal, State and local laws, ordinances and regulations affecting the removal of the buildings and appurtenances, and shall indemnify the Department and its representatives against any claim or liability arising from violation of any such law, ordinance or regulation.

It is the contractor's responsibility to determine if asbestos material is present in the buildings to be demolished. If asbestos material is present the contractor must handle the removal and disposal of it in accordance with applicable State and Federal regulations.

Liquefied petroleum gas tanks and systems shall be removed in accordance with rules and regulations of the Liquefied Petroleum Gas Commission, Old State Capitol Building, Baton Rouge, Louisiana.

SANITARY PROVISIONS: The contractor shall observe rules and regulations of the State Board of Health and of all local health officials, and shall take all necessary precautions to avoid unhealthy conditions.

PERMITS AND LICENSES: The contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary to lawful removal of the buildings and appurtenances.

RESPONSIBILITY FOR DAMAGE CLAIMS: The contractor shall indemnify the Department and its representatives against all claims arising from injuries to persons or damages to property due to neglect by the contractor.

PRESERVATION AND RESTORATION OF PROPERTY, TREES, MONUMENTS, ETC.: The contractor shall be responsible for preservation of public and private property, trees, shrubs, monuments, etc., adjacent to the right of way on which the buildings and appurtenances are located and shall take every precaution to prevent damage thereto. Land monuments, property markers and right of way markers shall not be removed by the contractor without proper authority.

The contractor shall be responsible for damage done to public or private property due to any act, omission, neglect or misconduct in the execution of the work, or defective work or material, and shall restore, at his expense, such property to a condition similar or equal to that existing before damage was done by repairing, rebuilding or otherwise restoring same, or shall make good such damage in an acceptable manner.

DEMOLITION: Demolition shall not begin until the contractor has been notified in writing by the Department of the date on which he may begin removal operations, from which date the contractor shall have sixty (60) calendar days to complete the removal and cleaning of the area, unless an extension of time is granted in writing by the Department.

All removal activities shall be coordinated with Department's roadway contractor if project contract has been awarded.

If buildings are not removed within the time specified, or extension thereof, the contractor, at the option of the Department, may be placed in default upon written notice by the Department. The contractor may also be placed in default for performing his removal operations in a manner considered detrimental to, or reflecting discredit upon, the Department, or tending to create bad public relations.

In the event of default by the contractor, the Contract shall become void, except that any removal work partially performed by the contractor at the time of notice of default may be compensated for in an amount considered by the Department to be commensurate with the work performed, it being understood that such partial payment will be made at the option of, and in an amount determined by, the Department. In the event of the contractor being placed in default, the performance guaranty shall become subject to forfeiture to the Department, and the contractor will be ineligible for bidding on future projects.

Each building and appurtenance shall be removed to ground level. **CONCRETE SLABS AND FOUNDATION MATERIAL BELOW GROUND LEVEL SHALL ALSO BE COMPLETELY REMOVED BY THE CONTRACTOR, AND ANY RESULTING DEPRESSION IN THE GROUND SHALL BE FILLED WITH DIRT SO AS TO BE LEVEL WITH THE SURROUNDING TERRAIN.**

Removal shall include piping, wiring, plumbing and other accessories above and below ground which are attached to or are part of a building, shed, garage, outhouse and other appurtenance; however, removal of fences and shrubs shall be optional with the contractor. The contractor shall also remove and dispose of all trash, debris, house piers, steps, broken concrete, bricks and other materials that would interfere with grass cutting operations, and shall mow each lot.

PAYMENT: Upon satisfactory removal of buildings and appurtenances as designated in the "Bid Schedule" and acceptance of the sites by the Department, the Department shall pay the contractor the total bid amount and immediately return the performance guaranty to him/her.

STATE PROJECT NO. 455-09-0025 (H.003495) (PART 4) (Contract No. 17)

PHOTOGRAPHS AND DESCRIPTIONS



Parcel No. 14-3 A

Address: 1633 Hersey D. Wilson Drive, Shreveport,
LA 71107

Description: 1,000 Sq. Ft. Wood Framed Residence.



Parcel No. 14-3 B

Address: 1633 Hersey D. Wilson Drive, Shreveport,
LA 71107

Description: 100 Sq. Ft. Detached Metal Building

DEMOLITION OF BUILDINGS
STATE PROJECT NO. 455-09-0025 (H.003495) (PART 4) (Contract No. 17)

BID SCHEDULE

DEMOLITION AND/OR REMOVAL OF STATE-OWNED BUILDINGS AND APPURTENANCES
"WHERE IS - AS IS" LOCATED WITHIN THE RIGHT-OF-WAY LIMITS OF THE I-49 NORTH (I-220 TO
MARTIN LUTHER KING DRIVE)

PARCEL NO.	ADDRESS	BID AMOUNT
14-3 A, 14-3 B	1633 Hersey D. Wilson Drive, Shreveport, LA 71107	\$

TOTAL BID FOR DEMOLITION OF THE ABOVE LISTED BUILDINGS AND APPURTENANCES -----
-----\$_____

NOTE: The buildings to be demolished shall be numbered by the Department and the number shown on each building shall correspond to the respective parcel number as shown in the "Bid Schedule" of the proposal.

FOR EXAMPLE: The buildings to be demolished under Parcel No. 14-3 A shall be numbered 14-3 A and Parcel No. 14-3 B shall be numbered 14-3 B on the premises.

PROPOSAL

DEMOLITION OF BUILDINGS

STATE PROJECT NO. 455-09-0025 (H.003495) (PART 4) (Contract No. 17)

FEDERAL AID PROJECT NO.0906(517)

DEMOLITION OF STATE-OWNED BUILDINGS AND APPURTENANCES LOCATED WITHIN THE RIGHT-OF-WAY LIMITS OF THE I-49 NORTH (I-220 TO MARTIN LUTHER KING DRIVE)

CADDO PARISH

ROUTE I-49

Department of Transportation and Development
Baton Rouge, Louisiana

The undersigned offers to demolish for cash payment the state-owned buildings and appurtenances at the price bid for each parcel in the "Bid Schedule" attached hereto.

The undersigned certifies that he/she has examined the buildings and appurtenances offered for sale and has satisfied himself/herself as to their condition, and conditions to be encountered in removing said buildings and appurtenances.

The undersigned further certifies that he/she has examined the "Conditions of Demolition" attached hereto and agrees to abide by said conditions.

BIDDER'S NAME _____
(Please Print)

STREET ADDRESS _____

P.O. BOX _____ TELEPHONE _____

CITY _____ STATE _____ ZIP _____

SIGNATURE OF BIDDER _____

DATE _____

SOCIAL SECURITY NO. _____

TAX ID NO. (If applicable) _____

LOUISIANA DEPARTMENT OF
TRANSPORTATION AND DEVELOPMENT

PERFORMANCE BOND
DEMOLITION OF BUILDINGS

as Principal, and _____

a surety company authorized to do business in Louisiana, as Surety, are bound, in solido, unto the Department of Transportation and Development and unto all subcontractors, workmen, laborers, mechanics, and furnishers of materials and equipment, in the sum of

_____ DOLLARS (\$ _____),

payable in lawful money of the United States, and to this bond do obligate their heirs, successors and assigns.

The condition of this bond is such, that if the Principal performs the work as described in the proposal made and entered into on this

_____ day of _____, 20_____, to complete

State Project No. 455-09-0025 (H.003495) (PART 4) (Contract No. 17)

entitled "DEMOLITION OF BUILDINGS"

Route No. Route I-49, Caddo Parish

according to the stipulations in said proposal; pays all sums due on materials and supplies used and wages earned by workmen employed on the work; abides by the terms in said proposal at the time and in the manner and form specified; performs all labor and work; and furnishes all materials specified in said proposal in accordance with the terms of said proposal; this obligation shall be void; otherwise to remain in effect.

It is agreed by the parties to this Bond that the same is given in accordance with Louisiana Revised Statutes of 1950, Title 38, Chapter 10, Sections 2241 to 2248 inclusive.

In faith whereof, we have subscribed this obligation at Baton Rouge, Louisiana.

WITNESS OUR HANDS AND SEALS, this _____ day of

_____, 20_____.

WITNESSES

PRINCIPAL
By_____

Typed or Printed Name

Surety
By_____

I certify that I am, as of the date of this bond, a licensed Resident Agent of Louisiana in good standing with the Louisiana Insurance Commission and authorized to Countersign this bond on behalf of the surety identified herein.

By_____

Typed or Printed Name

Name of Agency

Address

CONTRACT
DEMOLITION OF BUILDINGS

This agreement is executed on this _____ day of _____, 20 _____,
between the Department of Transportation and Development, acting through the Real Estate Administrator,
Party of the First Part, hereinafter designated as "Department", and

_____, domiciled and doing business in
_____, Party of the Second Part, hereinafter designated as
"Contractor".

In consideration of the agreements herein contained, to be performed by the parties hereto and of the payments hereinafter agreed to be made, it is mutually agreed as follows:

The Contractor shall furnish all materials, equipment and labor and perform the required work, consisting of demolishing buildings as described on the Photographs and Descriptions sheet, in a thorough and workmanlike manner to the satisfaction of the Real Estate Administrator in accordance with the proposal filed with the Department dated _____, said proposal is made a part hereof as fully as if set out herein and hereby becomes a part of this Contract.

All removal activities shall be coordinated with Department's roadway contractor if project contract has been awarded.

The Contractor agrees to accept and the Department agrees to pay for the work at the price stipulated in said Proposal in lawful money of the United States at the time and in the manner set forth in the Conditions of Demolition.

Performance will begin on the date stipulated that the parcel will be vacated or as directed in writing by the District Property Manager. If a parcel is vacated by the occupant prior to the specified date the Contractor may request and the District Property Manager may authorize the Contractor to begin work on that parcel. In no event will the Contractor begin work prior to the occupant vacating the premises and all personal belongings of the occupant being removed. All work required in connection with the demolition will be completed within the time limit specified in the proposal subject to such extensions as may be authorized.

STATE PROJECT NO. 455-09-0025 (H.003495) (PART 4) (Contract No. 17)

Total cost of Parcel No(s). _____ is _____
_____ DOLLARS (\$_____).

This contract shall become effective on the date that it is signed by the Real Estate Administrator.

In witness whereof, the Contractor and the Real Estate Administrator have hereunto subscribed their names.

WITNESSES

Contractor

State of Louisiana
Department of
Transportation and Development

By _____
Real Estate Administrator

SAMPLE

STATE PROJECT NO. 455-09-0025 (H.003495) (PART 4) (Contract No. 17)

CONTRACT

DEMOLITION OF BUILDINGS

This agreement is executed on this _____ day of _____, 20____, between the Department of Transportation and Development, acting through the Real Estate Administrator, Party of the First Part, hereinafter designated as "Department", and

_____ (**Name of Contractor**), domiciled and doing business in _____ (**City, State**), Party of the Second Part, hereinafter designated as "Contractor".

In consideration of the agreements herein contained, to be performed by the parties hereto and of the payments hereinafter agreed to be made, it is mutually agreed as follows:

The Contractor shall furnish all materials, equipment and labor and perform the required work, consisting of demolishing buildings identified as described on the Photographs and Descriptions sheet, in a thorough and workmanlike manner to the satisfaction of the Real Estate Administrator in accordance with the proposal filed with the Department dated _____, said proposal is made a part hereof as fully as if set out herein and hereby becomes a part of this Contract.

All removal activities shall be coordinated with Department's roadway contractor if project contract has been awarded.

The Contractor agrees to accept and the Department agrees to pay for the work at the price stipulated in said Proposal in lawful money of the United States at the time and in the manner set forth in the Conditions of Demolition.

Performance will begin on the date stipulated that the parcel will be vacated or as directed in writing by the District Property Manager. If a parcel is vacated by the occupant prior to the specified date the Contractor may request and the District Property Manager may authorize the Contractor to begin work on Property Manager may authorize the Contractor to begin work on that parcel. In no event will the Contractor begin work prior to the occupant vacating the premises and all personal belongings of the occupant being removed. All work required in connection with the sale will be completed within the time limit specified in the proposal subject to such extensions as may be authorized.

SAMPLE

STATE PROJECT NO. 455-09-0025 (H.003495) (PART 4) (Contract No. 17)

Total cost of Parcel No(s). _____ is **(Bid price in words and numbers-- Example: TWO THOUSAND ONE HUNDRED ONE AND 50/100 DOLLARS (\$2,101.50)).**

This contract shall become effective on the date that it is signed by the Real Estate Administrator.

In witness whereof, the Contractor and the Real Estate Administrator have hereunto subscribed their names.

WITNESSES

(Signature)

(Signature)

Contractor

(Signature)

State of Louisiana
Department of
Transportation and Development

By _____

Real Estate Administrator



DID YOU REMEMBER TO ENCLOSE. . .

1. Bid Schedule?
2. Proposal?
3. Performance Guaranty? (** IN ONE OF THE FORMS STATED)
4. Contract?
5. Completed W-9 form?

**D.O.T.D. MODIFIED FORM W-9
REQUEST FOR TAXPAYER IDENTIFICATION NUMBER AND CERTIFICATION**

Under Federal Income Tax Law, you (as payee) are subject to certain penalties as well as withholding tax at a 31 percent rate if you have not provided us with your correct taxpayer identification number. Please read this notice and the attached instructions carefully. If you do not provide us with your correct taxpayer identification number, you may be subject to a \$50.00 penalty imposed by the Internal Revenue Service. In addition, interest, dividends, and other payments that we make to you may be subject to backup withholding at a 31 percent rate.

Please supply the following information:

Are you an individual?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Are you Incorporated?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are you a Sole Proprietorship?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Are you a subsidiary of a Parent Company?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are you a Partnership?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Are you Federally tax exempt?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are you a Limited Liability Company (LLC)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Are you exempt from backup Withholding?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Individual's Social Security Number
____ - ____ - _____

Business Firm's Federal Employer Identification Number
____ - _____

Please check the box below that best describes the type of transaction for which we make payments to you. (Check more than one box if necessary).

Merchandise Rents Services Fees Professional Services Medical Services Attorney Fees
 Real Estate Transactions Other _____
Please Explain

PLEASE PRINT OR TYPE
Note: Name & SSN / EIN Must Agree With IRS Records (See Specific Instructions)

Individual Name: _____
Sole Proprietorship – Owner Name: _____
Limited Liability Co. (LLC)-Owner Name: _____
Business Name: _____
Partnership Name: _____
Corporation (Company Name): _____
Subsidiary Name (Doing Business As): _____
Remit to Address: _____

CERTIFICATION – Under penalties of perjury, I certify that:
(1) The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
(2) I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me I am no longer subject to backup withholdings, and
(3) I am a U. S. person (including a U. S. resident alien).

CERTIFICATION INSTRUCTIONS – You must cross out item (2) above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report interest and dividends on you tax return. For real estate transactions, item (2) does not apply. For mortgage interest paid, the acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. (See instructions on Page 2)

Name _____ Date _____
Please Print
Signature _____ Title _____ Telephone No. _____

Asbestos Survey Report

I-49 Segment K – I-220 to Martin Luther King Jr. Drive

SPN: 455-09-0025, Parcel 14-3, Structure A

Louisiana Department of Transportation and Development

Shreveport, Caddo Parish, Louisiana

January 30, 2013

Terracon Project No. EH127077.19



Prepared for:

Volkert, Inc.

Shreveport, Louisiana

Prepared by:

Terracon Consultants, Inc.

Baton Rouge, Louisiana

Offices Nationwide
Employee-Owned

Established in 1965
terracon.com

Terracon

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities



January 30, 2013

Volkert, Inc.
1500 North Market Street, Suite B-100
Shreveport, Louisiana 71107

Attn: Ms. Kimberly Nelson

Re: SPN: 455-09-0025
Asbestos Survey
Parcel 14-3, Structure A
Shreveport, Caddo Parish, Louisiana
I-49 Segment K – I-220 to Martin Luther King Jr. Drive
Terracon Project No. EH127077.19

Dear Ms. Nelson:

The purpose of this report is to present the results of an asbestos survey performed on January 10, 2013, at the above referenced structure in Shreveport, Caddo Parish, Louisiana. This survey was conducted in accordance with the Contract for Asbestos Inspection, dated August 2012, between Terracon Consultants, Inc. (Terracon) and Volkert, Inc. We understand this survey was requested due to the planned demolition of the structure as part of the I-49 construction project in Caddo Parish.

Regulated asbestos-containing materials (RACM) were identified. Please refer to the attached report for details.

Terracon appreciates the opportunity to provide this service to the Volkert, Inc. If you have any questions regarding this report, please contact the undersigned at 225-344-6052.

Sincerely,
Terracon


Zack L. Dial, P.E.
Project Engineer


Richard M. Simon
Senior Principal/Regional Manager

Terracon Consultants, Inc. 2822-B O'Neal Lane, Baton Rouge, LA
P [225]344-6052 F [225] 344-6346 terracon.com

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- Appendix B Confirmed Asbestos-Containing Materials
- Appendix C Asbestos Analytical Laboratory Data
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EXECUTIVE SUMMARY – SPN: 455-09-0025, PARCEL 14-3, STRUCTURE A

Terracon Consultants, Inc. (Terracon) conducted an asbestos survey of the vacant residential structure located on Parcel 14-3, and identified as Structure A, in Shreveport, Caddo Parish, and Louisiana. The property address is 1633 Hershey D. Wilson and Terracon understands the Louisiana Department of Transportation and Development (LDOTD) is the property owner. It is our understanding that LDOTD is planning to demolish the structure as part of the I-49 construction project in Caddo Parish. The purpose of this survey was to identify and sample suspect asbestos-containing materials (ACM) and provide information regarding the identity, location, condition and approximate quantities of ACM in building components.

The survey was conducted on January 10, 2013, by Mr. Jeff M. Beasley, a Louisiana Department of Environmental Quality (LDEQ) certified asbestos inspector, in general accordance with the sampling protocols established in Environmental Protection Agency (EPA) 40 Code of Federal Regulations (CFR) 763. Five (5) bulk samples were collected from two (2) homogeneous areas of suspect ACM. Asbestos in concentrations of more than one percent (1%) was identified in the following materials:

- Grey window caulk

The window caulk is located on the exterior of the windows of the structure and is considered Category II nonfriable ACM in damaged condition. Category II non-friable ACM is any material, excluding Category I non-friable ACM, that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forced expected to act on the material in the course of demolition operations are considered Regulated Asbestos Containing Materials (RACM) and are required to be abated prior to demolition.

The following material was found to contain asbestos at a concentration of less than one percent (1%) and is therefore not considered asbestos-containing per applicable EPA and State of Louisiana guidelines:

- Drywall/joint compound composite

The drywall/joint compound was found throughout the structure. OSHA 29 CFR 1926.1101 requires that workers performing construction-related activities (including demolition) be protected from asbestos fibers in excess of the permissible exposure limit of 0.1 fibers/cc air. The owners should notify the demolition contractor of the findings of this survey and the potential for asbestos fiber exposure during removal of this material during demolition activities. Demolition contractors are advised to comply with applicable provisions of OSHA 29 CFR 1926.1101 during demolition activities.

Please refer to the attached report for details.

ASBESTOS SURVEY REPORT

**I-49 Segment K – I-220 to Martin Luther King, Jr. Drive
SPN: 455-09-0025, Parcel 14-3, Structure A
Shreveport, Caddo Parish, Louisiana**

Terracon Project No. EH127077.19

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted an asbestos survey of the vacant residential structure located on Parcel 14-3, and identified as Structure A, in Shreveport, Caddo Parish, Louisiana. The survey was conducted on January 10, 2013 by Mr. Jeff M. Beasley; a LDEQ certified asbestos inspector, in accordance with the Volkert, Inc. Contract for Asbestos Inspection, August, 2012, between Terracon and Volkert, Inc. Interior and exterior building components were surveyed and homogeneous areas of suspect asbestos-containing materials (ACM) were visually identified and documented. Suspect ACM samples were collected in general accordance with the sampling protocols outlined in EPA regulation 40 CFR 763 (Asbestos Hazard Emergency Response Act, AHERA). Samples were delivered to an accredited laboratory for analysis by polarized light microscopy.

1.1 Project Objective

We understand this asbestos survey was requested due to the planned demolition of the structure. EPA regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP) and Louisiana Environmental Regulatory Code (ERC) Title 33, Part III, Section 5151, prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities. The EPA NESHAP and LDEQ regulations requires that potentially regulated asbestos-containing building materials be identified, classified and quantified prior to planned disturbances or demolition activities.

2.0 BUILDING DESCRIPTION

The structure is an approximate 1,000-square foot stand-alone, one-story, wood-frame vacant residence on a pier and beam foundation with unknown construction date. The exterior consists of wood siding with wood frame windows and doors, and a corrugated metal roof. Interior walls and ceilings consist of finished drywall and joint compound and wood floors. No heating, ventilation, air-conditioning systems were observed.

3.0 FIELD ACTIVITIES

The survey was conducted by Mr. Jeff M. Beasley, a LDEQ certified asbestos inspector. A copy of Mr. Beasley's asbestos inspector certificate is attached in Appendix D. The survey was conducted in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA). A summary of survey activities is provided below.

3.1 Visual Assessment

Our survey activities began with visual observation of the interior and exterior of the building to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color, texture and date of application. Interior and exterior assessment was conducted throughout visually accessible areas of the building. Building materials identified as concrete, glass, wood, masonry, metal or rubber were not considered suspect ACM.

Where applicable, Terracon lifted flooring in several areas in the building and did not observe additional floor coverings/layers except where noted in this report; however, as Terracon could not assess beneath all areas with flooring present, there may be isolated areas of additional suspect material present beneath carpet and floor tiles.

3.2 Physical Assessment

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the EPA as a material which can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

3.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with AHERA sampling protocols. Random samples of suspect materials were collected in each homogeneous area. Sample team members collected bulk samples using wet methods as applicable to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

Five (5) bulk samples were collected from two (2) homogeneous areas of suspect ACM. A summary of suspect ACM samples collected during the survey is included as Appendix A.

3.4 Sample Analysis

Bulk samples were submitted under chain of custody to Steve Moody Micro Services, LLC (SMMS) in Farmers Branch, Texas for analysis by polarized light microscopy with dispersion staining techniques per EPA methodology (40 CFR 763, Subpart E). The percentage of asbestos, where applicable, was determined by microscopical visual estimation. SMMS is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP Accreditation No. 102056) and Louisiana Environmental Laboratory Accreditation Program (LELAP Accreditation No.04089).

4.0 REGULATORY OVERVIEW

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. It also requires the identification and classification of existing building materials prior to demolition or renovation activity. Under NESHAP, asbestos-containing building materials are classified as either friable, Category I non-friable or Category II non-friable ACM. Friable materials are those that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure. Category I non-friable ACM includes packings, gaskets, resilient floor coverings and asphalt roofing products containing more than 1% asbestos. Category II non-friable ACM are any materials other than Category I materials that contain more than 1% asbestos.

Friable ACM, Category I and Category II non-friable ACM which is in poor condition and has become friable or which will be subjected to drilling, sanding, grinding, cutting or abrading and which could be crushed or pulverized during anticipated renovation or demolition activities are considered regulated ACM (RACM). RACM must be removed prior to renovation or demolition activities which will disturb the materials.

The State of Louisiana has established Chapter 27 of the ERC (LAC 33:III.Chapter 27) to regulate the identification, management, and abatement of ACM in schools and state buildings. Chapter 27 requires any asbestos-related activity in a school or state building to be performed by an individual or company accredited by the State of Louisiana, through the LDEQ. An asbestos-related activity consists of the disturbance (whether intentional or unintentional) or abatement of ACM, the performance of asbestos surveys, the development of management plans and response actions, asbestos project design, the collection or analysis of asbestos samples, monitoring for airborne asbestos or any other activity required to be accredited under Louisiana Department of Environmental Quality Chapter 27 Appendix A.

In non-state, non-school buildings, the State of Louisiana sets forth emission standards for asbestos under Chapter 51 of the ERC (LAC 33:III.Chapter 51). Per Chapter 51 Section P, the

following activities must be performed by accredited individuals: asbestos surveys, asbestos abatement, monitoring for airborne asbestos, and project design.

Under Chapter 51, Section F, RACM must be removed prior to renovation or demolition activities that will disturb the materials. LDEQ requires a 10-working day notification (Form AAC-2) of any demolition activity, regardless of whether the building contains asbestos, and any renovation activity which disturbs RACM. Any individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Louisiana Licensing Board for Contractors to perform asbestos abatement.

The OSHA Asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc). The OSHA standard classifies construction and maintenance activities which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work.

5.0 FINDINGS AND RECOMMENDATIONS

Asbestos in concentrations of more than one percent (1%) was identified in the following materials:

- Gray window caulk

The window caulk is located on the exterior of the windows of the structure and is considered Category II nonfriable ACM in damaged condition. Category II non-friable ACM is any material, excluding Category I non-friable ACM, that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forced expected to act on the material in the course of demolition operations are considered Regulated Asbestos Containing Materials (RACM) and are required to be abated prior to demolition.

Terracon recommends that the identified ACM be removed and disposed of by a Louisiana-licensed asbestos abatement contractor prior to any demolition activity that will disturb the asbestos-containing materials identified.

The following material was found to contain asbestos at a concentration of less than one percent (1%) and is therefore not considered asbestos-containing per applicable EPA and State of Louisiana guidelines:

- Drywall/joint compound composite

The drywall/joint compound was found throughout the structure. OSHA 29 CFR 1926.1101 requires that workers performing construction-related activities (including demolition) be protected from asbestos fibers in excess of the permissible exposure limit of 0.1 fibers/cc air. The owners should notify the demolition contractor of the findings of this survey and the potential for asbestos fiber exposure during removal of this material during demolition activities. Demolition contractors are advised to comply with applicable provisions of OSHA 29 CFR 1926.1101 during demolition activities.

It should be noted that suspect materials, other than those identified during this survey may exist within the building. Should suspect materials other than those which were identified during this survey be uncovered during the demolition process, those materials should be assumed asbestos-containing until sampling and analysis can confirm or deny their asbestos content.

A summary of the classification, condition and approximate quantity of identified ACM are presented in Appendix B. Laboratory analytical reports are included in Appendix C.

6.0 GENERAL COMMENTS

This asbestos survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this survey was performed, and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by the Louisiana Department of Transportation and Development for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, expressed or implied is made.

APPENDIX A
ASBESTOS SURVEY SAMPLE SUMMARY
I-49 Segment K – I-220 to Martin Luther King Jr. Drive
SPN: 455-09-0025, Parcel 14-3, Structure A
Shreveport, Caddo Parish, Louisiana
Terracon Project No. EH127077.19

HA	Sample No.	Description	Material Location
1	14-3A-01	Drywall and joint compound	Throughout
1	14-3A-02	Drywall and joint compound	Throughout
1	14-3A-03	Drywall and joint compound	Throughout
2	14-3A-04	Grey window caulk	Exterior windows
2	14-3A-05	Grey window caulk	Exterior windows

APPENDIX B
CONFIRMED ASBESTOS CONTAINING MATERIAL
I-49 Segment K – I-220 to Martin Luther King Jr. Drive
SPN: 455-09-0025, Parcel 14-3, Structure A
Shreveport, Caddo Parish, Louisiana
Terracon Project No. EH127077.19

HA No.	Description	Material Location	Percent/Type Asbestos	NESHAP Classification	Condition	Estimated Quantity*
1	Drywall and joint compound composite	Throughout	<1%C	Non-ACM per NESHAP	Good	1,000 ft ²
2	Grey window caulk	Exterior panes of windows	2%C	Category II non-friable ACM	Damaged	50 lf

* Quantities are estimates only.

lf = linear feet

ft² = square feet

C = Chrysotile asbestos

APPENDIX C

ASBESTOS LABORATORY ANALYTICAL REPORTS

PLM Summary Report

Steve Moody Micro Services, LLC

2051 Valley View Lane

Farmers Branch, TX 75234 Phone: (972) 241-8460

NVLAP Lab Code 102056-0

TDSHS License No. 30-0084

LELAP ID#04089

Client :	Terracon - Baton Rouge, LA	Lab Job No. : 13B-00346	002
Project :	1-49 Asbestos Parcel No 14-3	Report Date : 01/17/2013	
Project # :	EH127077	Sample Date : Not Provided	
Identification :	Asbestos, Bulk Sample Analysis		
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600 / R-93 / 116		

Page 1 of 1

On 1/11/2013, five (5) bulk material samples were submitted by a representative of Terracon - Baton Rouge, LA for asbestos analysis by PLM/DS. The PLM Detail Report is attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Asbestos Content
14-3A-01	Drywall Joint Compound, Throughout	None Detected - Drywall Material No Joint Compound
14-3A-02	Drywall Joint Compound, Throughout	None Detected - Drywall Material 2% Chrysotile - Joint Compound <1% Chrysotile - Sample Composite
14-3A-03	Drywall Joint Compound, Throughout	None Detected - Drywall Material 2% Chrysotile - Joint Compound <1% Chrysotile - Sample Composite
14-3A-04	Exterior Window Caulk (Grey), Exterior Windows	2% Chrysotile - Caulking
14-3A-05	Exterior Window Caulk (Grey), Exterior Windows	2% Chrysotile - Caulking

These samples were analyzed by layers. Quantification, unless otherwise noted, is performed by calibrated visual estimate. The test report shall not be reproduced, except in full, without written approval of the laboratory. The results relate only to the items tested. These test results do not imply endorsement by NVLAP or any agency of the U.S. Government. Accredited by the National Voluntary Laboratory Accreditation Program for Bulk Asbestos Fiber Analysis under Lab Code 102056-0.



Analyst(s): Tommie Smith

Lab Manager : Bruce Crabb

Lab Director : Steve Moody

Approved Signatory :

Approved Signatory :

Thank you for choosing Steve Moody Micro Services

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Steve Moody Micro Services, LLC
 2051 Valley View Lane
 Farmers Branch, TX 75234 Phone: (972) 241-8460

PLM Detail Report
 Supplement to PLM Summary Report

NVLAP Lab Code 102056-0
 TDSHS License No. 30-0084
 LELAP ID#04089

Client : Terracon - Baton Rouge, LA
 Project : 1-49 Asbestos Parcel No 14-3
 Project # : EH127077

Lab Job No. : 13B-00346
 Report Date : 01/17/2013

002

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
14-3A-01	Drywall Material (White)	95%	Cellulose Fibers	3%	01/14	TS
			Glass Wool Fibers	1%		
	DW Paper Facing (Tan)	5%	Gypsum / Binders	96%		
	No Joint Compound		Cellulose Fibers	100%		
Note: No Joint Compound Found						
14-3A-02	Drywall Material (White)	60%	Cellulose Fibers	5%	01/17	TS
			Gypsum / Binders	95%		
	DW Paper / Tape (Tan / White)	30%	Cellulose Fibers	100%		
	Joint Compound (Off-White)	10%	Chrysotile	2%		
			Calcite / Talc / Binders	98%		
	Sample Composite (White)		Chrysotile	<1%		
			Cellulose Fibers	33%		
			Calcite / Gypsum Binders	67%		
14-3A-03	Drywall Material (White)	80%	Cellulose Fibers	5%	01/17	TS
			Gypsum / Binders	95%		
	DW Paper / Tape (Tan / White)	10%	Cellulose Fibers	100%		
	Joint Compound (Off-White)	10%	Chrysotile	2%		
			Calcite / Talc / Binders	98%		
	Sample Composite (White)		Chrysotile	<1%		
			Cellulose Fibers	25%		
			Calcite / Gypsum Binders	75%		
14-3A-04	Caulking (Grey)	100%	Chrysotile	2%	01/14	TS
			Talc Fibers	3%		
			Binders / Fillers	95%		
14-3A-05	Caulking (Grey)	100%	Chrysotile	2%	01/14	TS
			Talc Fibers	3%		
			Binders / Fillers	95%		

Chain of Custody

Page 1 of 1

Fed Ex 206261374



Lab Job # 13B-DD344 Plum 7
 Lab Job # 13B-DD345 Plum 2
 Lab Job # 13B-DD346 Plum 5

****Please call in advance for immediate, after-hour, & weekend pricing & availability.****
Turnaround of Culture Samples subject to Culture Growth

ASBESTOS PLM

Bulk 1 day 2 day 3 day 5 day Immediate
 Analyze All Positive Stop

LEAD Paint / Soil / Wipe 1 day 2 day 3 day 5 day Immediate
PCM Air (7400) 1 day 2 day 3 day 5 day Immediate
TOTAL DUST (0500/0600) 1 day 2 day

MOLD

Non-culture (Tape / Bulk / Air) 1 day 2 day Immediate
 Air Standard Profile Air Expanded Profile
 Analyze Blanks Yes No
 Culture (Swab / Bulk / Plate) 7-14 day

ASBESTOS TEM

Air AHERA Method 6 hr 12hr 24 hr
 Air 7402 (Modified) 1 day 2 day 3 day
 Bulk/Wipe/Micro Vac 1 day 2 day 3 day
 Water 1 day 2 day 3 day
 Analyze Blanks Yes No

BACTERIA

Heterotrophic Plate Count (HPC) 3 day
 HPC + Gram Stain 3 day 5 day
 HPC + 3 Gram Neg ID 6-8 day
 HPC + 5 Gram Neg ID 6-8 day
 Fecal Coliform (MPN) 3 day
 Total Coliform & E Coli (P/A) 2-3 day

Billing Company / City: TERRACON BATON ROUGE # of Samples: 14
 Submitter / Company: _____ Sample Date: _____
 Project: 1-49 ASBESTOS: PARCEL No. 53-8A, 53-8B Project #: EH127077
 Contact Information: Name: ZACK DIAL 14-3 Phone #: _____
 E-mail Results to: ZLDIAL@TERRACON.COM Mobile #: _____
 Invoice Address: 2822-B O'Neal Lane, Baton Rouge, LA 70816 P.O. #: _____
 --- Please review paperwork and samples before submitting to lab. Unsealed / improperly packaged samples or excessive administrative requests may incur additional fees---

Notes: _____

Sample #	Sample Description	Vol. / Area if applicable	Location / Notes
53-8A-01	12x12 white Vinyl floor tile ~350sq'		Room attached to Garage
53-8A-02	" "		throughout
53-8A-03	Dry wall joint compd ~600sq'		Room attached to Garage
53-8A-04	" "		throughout
53-8A-05	" "		"
53-8A-06	Structure A Roof shingle ~2,000sq'		Structure A Roof
53-8A-07	" + tar paper		"
53-8B-01	Roof shingle + tar paper ~500sq'		Structure B Roof
53-8B-02	" "		
14-3A-01	Dry wall joint compd ~1200sq'		throughout
14-3A-02	" "		
14-3A-03	" "		
14-3A-04	exterior grey window culls GOLF		Exterior windows
14-3A-05	" "		
Released By: <u>JM</u>	Date / Time: <u>1-10-13/1800</u>	Received By: <u>Spod</u>	Date / Time: <u>1/11/13 8:30A</u>
Released By: <u>BM</u>	Date / Time: _____	Received By: _____	Date / Time: _____

APPENDIX D
CERTIFICATIONS



Photo 1 View of front of building.



Photo 2 View of inside building.



Photo 3 View of inside building.



Photo 4 View of inside building.



Photo 5 View of side of building.



Photo 6 View of the ACM grey window caulk.

APPENDIX E
PHOTOGRAPHS

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Jeff M Beasley

Has complied with all requirements of the Louisiana Department of Environmental Quality
and is authorized to perform the duties of

ASBESTOS INSPECTOR

Accreditation No. 31140349

AI No. 140349

Date of Issuance 10/8/2012

Expiration 5/14/2013

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)
may result in civil and/or criminal enforcement actions by the State.

Christopher Mangum
Permit Support Services Division
Office of Environmental Services

Asbestos Survey Report

I-49 Segment K – I-220 to Martin Luther King Jr. Drive

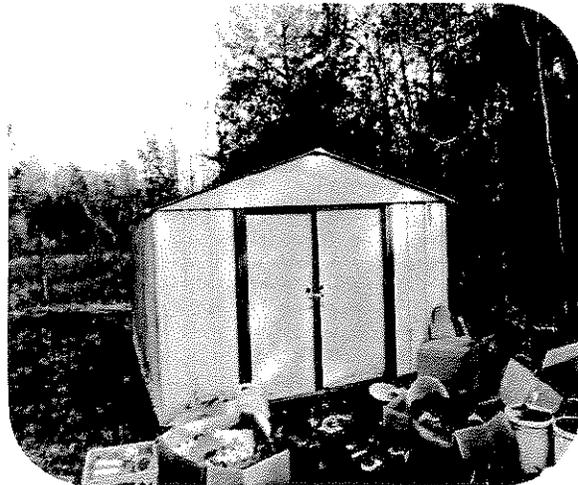
SPN: 455-09-0025, Parcel 14-3, Structure B

Louisiana Department of Transportation and Development

Shreveport, Caddo Parish, Louisiana

January 30, 2013

Terracon Project No. EH127077.19



Prepared for:

Volkert, Inc.

Shreveport, Louisiana

Prepared by:

Terracon Consultants, Inc.

Baton Rouge, Louisiana

Offices Nationwide
Employee-Owned

Established in 1965
terracon.com

Terracon

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities



January 30, 2013

Volkert, Inc.
1500 North Market Street, Suite B-100
Shreveport, Louisiana 71107
Attn: Ms. Kimberly Nelson

Re: SPN: 455-09-0025
Asbestos Survey
Parcel 14-3 Structure B
Shreveport, Caddo Parish, Louisiana
I-49 Segment K – I-220 to Martin Luther King Jr. Drive
Terracon Project No. EH127077.19

Dear Ms. Nelson:

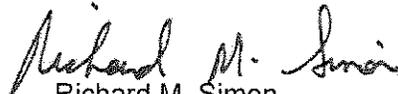
The purpose of this report is to present the results of an asbestos survey performed on January 10, 2013 at the above referenced structure in Shreveport, Caddo Parish, and Louisiana. This survey was conducted in accordance with the Contract for Asbestos Inspection, dated August 30, 2012, between Terracon Consultants, Inc. (Terracon) and Volkert Inc. We understand this survey was requested due to the planned demolition of the structure as part of the I-49 construction project in Caddo Parish.

No suspect asbestos-containing materials (ACM) were identified; therefore no samples were collected and analyzed. Please refer to the attached report for details.

Terracon appreciates the opportunity to provide this service to the Volkert Inc. If you have any questions regarding this report, please contact the undersigned at 225-344-6052.

Sincerely,
Terracon


Zack L. Dial, P.E.
Project Engineer


Richard M. Simon
Senior Principal/Regional Manager

Terracon Consultants, Inc. 2822-B O'Neal Lane, Baton Rouge, LA
P [225]344-6052 F [225] 344-6346 terracon.com

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

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1.0	INTRODUCTION.....	1
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	3.1 Visual Assessment.....	2
	3.2 Physical Assessment	2
	3.3 Sample Collection	2
	3.4 Sample Analysis.....	2
4.0	REGULATORY OVERVIEW.....	2
5.0	FINDINGS AND RECOMMENDATIONS.....	4
6.0	GENERAL COMMENTS.....	4

LIST OF APPENDICES

Appendix A Asbestos Survey Sample Summary

Appendix B Certifications

Appendix C Photographs

EXECUTIVE SUMMARY – SPN: 455-09-0025, Parcel 14-3 Structure B

Terracon Consultants, Inc. (Terracon) conducted an asbestos survey of a metal shed located on Parcel 14-3, and identified as Structure B, in Shreveport, Caddo Parish, Louisiana. The structure is associated with the residence addressed as 1633 Hershey D. Wilson and Terracon understands the Louisiana Department of Transportation and Development (LDOTD) is the property owner. It is our understanding that LDOTD is planning to demolish the structure as part of the I-49 construction project in Caddo Parish. The purpose of this survey was to identify and sample suspect asbestos-containing materials (ACM) and provide information regarding the identity, location, condition and approximate quantities of ACM in building components.

The survey was conducted on January 10, 2013, by Mr. Jeff M. Beasley, a Louisiana Department of Environmental Quality (LDEQ) certified asbestos inspector, in general accordance with the sampling protocols established in Environmental Protection Agency (EPA) 40 Code of Federal Regulations (CFR) 763. No suspect ACM were identified.

Please refer to the attached report for details.

ASBESTOS SURVEY REPORT

**I-49 Segment K – I-220 to Martin Luther King, Jr. Drive
SPN: 455-09-0025, PARCEL 14-3 Structure B
Shreveport, Caddo Parish, Louisiana**

Terracon Project No. EH127077.19

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted an asbestos survey of a metal shed located on Parcel 14-3, and identified as Structure B, in Shreveport, Caddo Parish, Louisiana. The structure is associated with the residence addressed as 1633 Hershey D. Wilson. The survey was conducted on January 10, 2013 by Mr. Jeff M. Beasley, an LDEQ certified asbestos inspector, in accordance with the Contract for Asbestos Inspection, August 2012, between Terracon and Volkert, Inc. Interior and exterior building components were surveyed and homogeneous areas of suspect asbestos-containing materials (ACM) were visually identified and documented. Suspect ACM samples were collected in general accordance with the sampling protocols outlined in EPA regulation 40 CFR 763 (Asbestos Hazard Emergency Response Act, AHERA). Samples were delivered to an accredited laboratory for analysis by polarized light microscopy.

1.1 Project Objective

We understand this asbestos survey was requested due to the planned demolition of the structure. EPA regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP) and Louisiana Environmental Regulatory Code (ERC) Title 33, Part III, Section 5151, prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities. The EPA NESHAP and LDEQ regulations requires that potentially regulated asbestos-containing building materials be identified, classified and quantified prior to planned disturbances or demolition activities.

2.0 BUILDING DESCRIPTION

The 100-square foot structure is a metal shed with a wooden floor. No plumbing, electric, or heating, air-conditioning and ventilation systems were observed.

3.0 FIELD ACTIVITIES

The survey was conducted by Mr. Jeff M. Beasley, a LDEQ certified asbestos inspector. A copy of Mr. Beasley's asbestos inspector certificate is attached in Appendix B. The survey was conducted in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA). A summary of survey activities is provided below.

3.1 Visual Assessment

Our survey activities began with visual observation of the interior and exterior of the building to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color, texture and date of application. Interior and exterior assessment was conducted throughout visually accessible areas of the building. Building materials identified as concrete, glass, wood, masonry, metal or rubber were not considered suspect ACM.

Where applicable, Terracon lifted flooring in several areas in the building and did not observe additional floor coverings/layers except where noted in this report; however, as Terracon could not assess beneath all areas with flooring present, there may be isolated areas of additional suspect material present beneath carpet and floor tiles.

3.2 Physical Assessment

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the EPA as a material which can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

3.3 Sample Collection

Based on results of the visual observation, no suspect ACM were identified during the asbestos survey. As a result no bulk samples of suspect ACM were collected.

3.4 Sample Analysis

No bulk samples were collected as part of this asbestos survey.

4.0 REGULATORY OVERVIEW

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. It also requires the identification and classification of existing building materials prior to demolition or renovation activity. Under NESHAP, asbestos-containing building materials are classified as either friable, Category I non-friable or Category II non-friable ACM. Friable materials are those that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure. Category I non-friable ACM includes packings, gaskets, resilient floor coverings and asphalt roofing products containing more than 1% asbestos. Category II non-friable ACM are any materials other than Category I materials that contain more than 1% asbestos.

Friable ACM, Category I and Category II non-friable ACM which is in poor condition and has become friable or which will be subjected to drilling, sanding, grinding, cutting or abrading and which could be crushed or pulverized during anticipated renovation or demolition activities are considered regulated ACM (RACM). RACM must be removed prior to renovation or demolition activities which will disturb the materials.

The State of Louisiana has established Chapter 27 of the ERC (LAC 33:III.Chapter 27) to regulate the identification, management, and abatement of ACM in schools and state buildings.. Chapter 27 requires any asbestos-related activity in a school or state building to be performed by an individual or company accredited by the State of Louisiana, through the LDEQ. An asbestos-related activity consists of the disturbance (whether intentional or unintentional) or abatement of ACM, the performance of asbestos surveys, the development of management plans and response actions, asbestos project design, the collection or analysis of asbestos samples, monitoring for airborne asbestos or any other activity required to be accredited under Louisiana Department of Environmental Quality Chapter 27 Appendix A.

In non-state, non-school buildings, the State of Louisiana sets forth emission standards for asbestos under Chapter 51 of the ERC (LAC 33:III.Chapter 51). Per Chapter 51 Section P, the following activities must be performed by accredited individuals: asbestos surveys, asbestos abatement, monitoring for airborne asbestos, and project design.

Under Chapter 51, Section F, RACM must be removed prior to renovation or demolition activities that will disturb the materials. LDEQ requires a 10-working day notification (Form AAC-2) of any demolition activity, regardless of whether the building contains asbestos, and any renovation activity which disturbs RACM. Any individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Louisiana Licensing Board for Contractors to perform asbestos abatement.

The OSHA Asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc). The OSHA standard classifies construction and maintenance activities which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work.

5.0 FINDINGS AND RECOMMENDATIONS

No suspect ACM was identified during the course of this asbestos survey. As a result, no samples were collected.

It should be noted that suspect materials, other than those identified during this survey may exist within the building. Should suspect materials other than those which were identified during this survey be uncovered during the demolition process, those materials should be assumed asbestos-containing until sampling and analysis can confirm or deny their asbestos content.

6.0 GENERAL COMMENTS

This asbestos survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this survey was performed, and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by the Louisiana Department of Transportation and Development for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, expressed or implied is made.

APPENDIX A

ASBESTOS SURVEY SAMPLE SUMMARY
I-49 Segment K – I-220 to Martin Luther King Jr. Drive
SPN: 455-09-0025, Parcel 14-3 Structure B
Shreveport, Caddo Parish, Louisiana
Terracon Project No. EH127077.19

HA	Sample No.	Description	Sample Location
No Suspect ACM Identified			

APPENDIX B
CERTIFICATIONS

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Jeff M Beasley

Has complied with all requirements of the Louisiana Department of Environmental Quality
and is authorized to perform the duties of

ASBESTOS INSPECTOR

Accreditation No. 31140349

AI No. 140349

Date of Issuance 10/8/2012

Expiration 5/14/2013

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)
may result in civil and/or criminal enforcement actions by the State.

Christopher Mangum

Permit Support Services Division

Office of Environmental Services

APPENDIX C
PHOTOGRAPHS



Photo 1 View of Structure B.

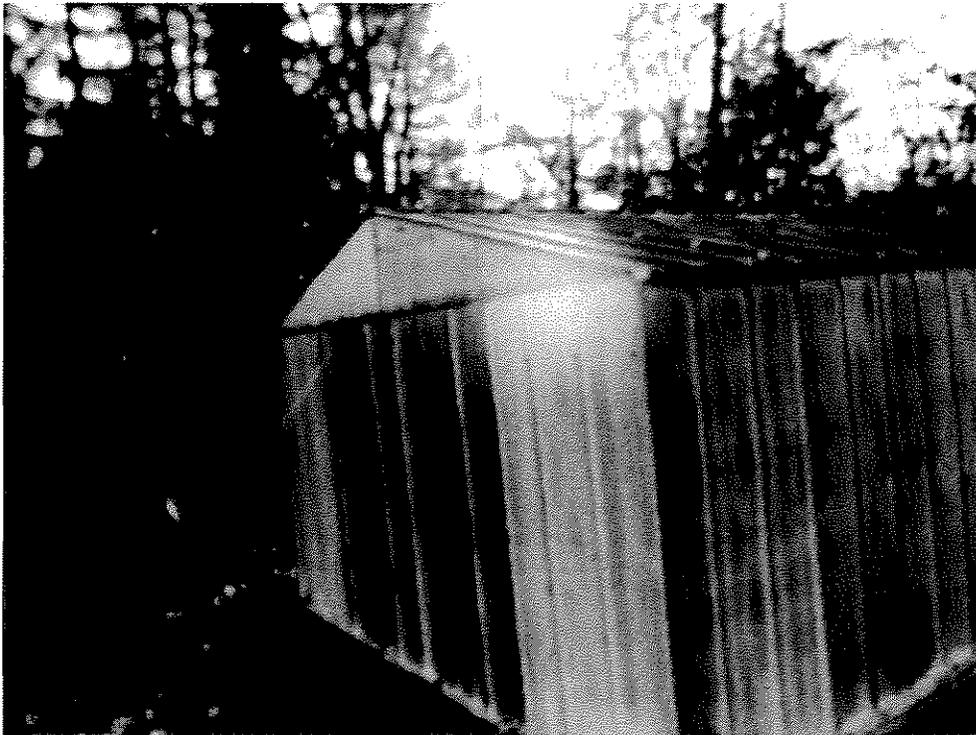


Photo 2 Rearview of structure B.



Photo 3 View of inside structure B..



Photo 4 Inside view.