

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION
AND DEVELOPMENT

LETTER BID
PROPOSAL

STATE PROJECT NO. 455-09-0025 (H.003495) (PART 4)
(Contract No. 16)
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, April 17, 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, April 18, 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. 16)

FEDERAL AID PROJECT NO.0906(517)

DEMOLITION OF BUILDINGS AND APPURTENANCES, Item 52-2: 1200 Sq. Ft. Wood Framed Residence.

PERFORMANCE GUARANTY: \$1,200.00

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.

PHOTOGRAPHS AND DESCRIPTIONS



Parcel No. 52-2

Address: 1452 Martin Luther King Drive,
Shreveport, LA 71107

Description: 1,200 Sq. Ft. Wood Framed Residence.

DEMOLITION OF BUILDINGS
STATE PROJECT NO. 455-09-0025 (H.003495) (PART 4) (Contract No. 16)

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
52-2	1452 Martin Luther King Drive, Shreveport, Louisiana 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. 52-2 shall be numbered 52-2 on the premises.

PROPOSAL

DEMOLITION OF BUILDINGS

STATE PROJECT NO. 455-09-0025 (H.003495) (PART 4) (Contract No. 16)

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. 16)

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 _____

Attorney-in-Fact

Typed or Printed Name

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. 16)

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. 16)

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. 16)

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. _____

(Revised November 2001)

Asbestos Survey Report

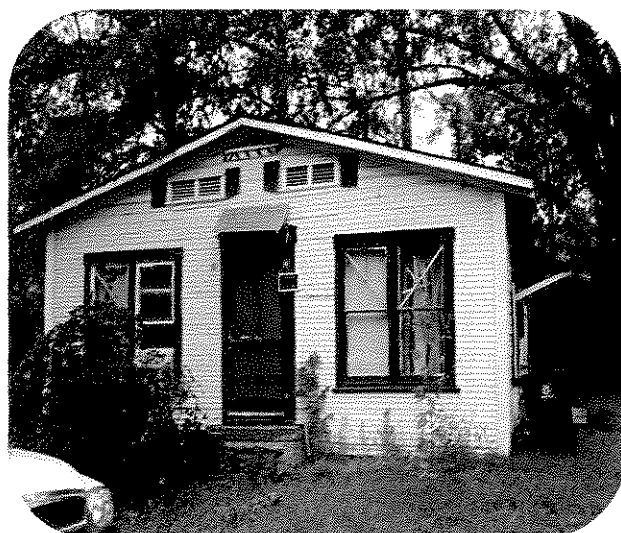
I-49 Segment K – I-220 to Martin Luther King Jr. Drive

SPN: 455-09-0025, Parcel 52-2

Louisiana Department of Transportation and Development
Shreveport, Caddo Parish, Louisiana

January 24, 2013

Terracon Project No. EH127077.13



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 24, 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 52-2
Shreveport, Caddo Parish, Louisiana
I-49 Segment K – I-220 to Martin Luther King Jr. Drive
Terracon Project No. EH127077.13

Dear Ms. Nelson:

The purpose of this report is to present the results of an asbestos survey performed on August 31, 2012, at the above referenced structure in Shreveport, Caddo Parish, Louisiana. This survey was conducted in accordance with the Contract for Asbestos Inspection, dated October 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) and non-regulated asbestos containing materials (ACM) 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

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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 52-2

Terracon Consultants, Inc. (Terracon) conducted an asbestos survey of the vacant residential structure on Parcel 52-2 in Shreveport, Caddo Parish, Louisiana. The property address is 1452 Martin Luther King Jr. Drive in Shreveport, Louisiana 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 August 31, 2012, by Mr. Zack L. Dial, 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. Thirty-one (31) bulk samples were collected from fourteen (14) homogeneous areas of suspect ACM. Asbestos in concentrations of more than one percent (1%) was identified in the following materials:

- Brown and tan sheet flooring fiber backing (foyer)
- Red sheet flooring fiber backing (kitchen)
- Light tan floor tile (kitchen doorway)
- Yellow floor tile (kitchen doorway)
- Bottom layer floor tile (kitchen doorway)
- Green floor tile (bathroom and hall)
- Tan floor tile (bathroom and hall)

The brown and tan sheet flooring was identified in the foyer, the red sheet flooring was identified throughout the kitchen, the light tan, yellow, and bottom layer floor tile were in three layers (tan over yellow, over the bottom layer) of floor tile identified in the kitchen doorway, and the green floor tile and tan floor tile were in two layers (green over tan) in the bedroom and hall. These materials are considered Category I non-friable ACM. According to LDEQ and EPA NESHAP regulations, resilient flooring, associated flooring adhesives, and pliable mastics, are considered Category I non-friable materials unless they are damaged to the extent that they could be crumbled, pulverized or reduced to powder by hand pressure when dry. Such Category I non-friable ACM need not be removed unless demolition or renovation activities will involve intentional burning, grinding, mechanically chipping, drilling, sand or bead blasting, explosive demolition or other methods which could mechanically powder the material or otherwise render it friable.

Terracon recommends that the identified ACM be removed and disposed of by a Louisiana-licensed asbestos abatement contractor prior to any renovation activity that will disturb the asbestos-containing materials 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 52-2

Shreveport, Caddo Parish, Louisiana

Terracon Project No. EH127077.13

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted an asbestos survey of the vacant residential structure located on Parcel 52-2 in Shreveport, Caddo Parish, Louisiana. The survey was conducted on August 31, 2012 by Mr. Zack L. Dial; 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), prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities. The asbestos NESHAP 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 1,200-square foot stand-alone one-story, wood-frame vacant residence with a shingle roof on a pier and beam foundation with an unknown construction date. The exterior consists of wood with wood frame windows and doors. Interior walls and ceilings consist of wood with wallpaper covering. The floors were a variety of sheet and tile flooring. No heating, ventilation, or air-conditioning systems were observed.

3.0 FIELD ACTIVITIES

The survey was conducted by Mr. Zack L. Dial, a LDEQ certified asbestos inspector. A copy of Mr. Dial'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.

Thirty-one (31) bulk samples were collected from fourteen (14) 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 the Louisiana Department of Environmental Quality Asbestos Handbook, which requires any asbestos-related activity in a state building or school to be performed by an individual or company accredited or licensed 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 or licensed under Louisiana Department of Environmental Quality Asbestos Handbook.

In non-state, non-school buildings, the following activities must be performed by accredited individuals or licensed companies: asbestos surveys, asbestos abatement, and monitoring for airborne asbestos.

RACM must be removed prior to renovation or demolition activities that will disturb the materials. The owner or operator must provide the LDEQ with written notification of planned removal activities at least 10 working days prior to the commencement of asbestos abatement activities. Removal of RACM must be conducted by a State of Louisiana licensed asbestos abatement contractor.

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:

- Brown and tan sheet flooring fiber backing (foyer)
- Red sheet flooring fiber backing (kitchen)
- Light tan floor tile (kitchen doorway)
- Yellow floor tile (kitchen doorway)
- Bottom layer floor tile (kitchen doorway)
- Green floor tile (bathroom and hall)
- Tan floor tile (bathroom and hall)

The brown and tan sheet flooring was identified in the foyer, the red sheet flooring was identified throughout the kitchen, the light tan, yellow, and bottom layer floor tile were in three layers (tan over yellow, over the bottom layer) of floor tile identified in the kitchen doorway, and the green floor tile and tan floor tile were in two layers (green over tan) in the bedroom and hall. These materials are considered Category I non-friable ACM. According to LDEQ and EPA NESHAP regulations, resilient flooring, associated flooring adhesives, and pliable mastics, are considered Category I non-friable materials unless they are damaged to the extent that they could be crumbled, pulverized or reduced to powder by hand pressure when dry. Such Category I non-friable ACM need not be removed unless demolition or renovation activities will involve intentional burning, grinding, mechanically chipping, drilling, sand or bead blasting, explosive demolition or other methods which could mechanically powder the material or otherwise render it friable.

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

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 52-2
Shreveport, Caddo Parish, Louisiana
Terracon Project No. EH127077.13

HA	Sample No.	Description	Sample Location
1	52-2-01	Brown and tan sheet flooring	Foyer
1	52-2-02	Brown and tan sheet flooring	Foyer
1	52-2-03	Brown and tan sheet flooring	Foyer
2	52-2-04	Light Brown over scaly sheet flooring(2 layer)	Living room
2	52-2-05	Light Brown over scaly sheet flooring(2 layer)	Living room
2	52-2-06	Light Brown over scaly sheet flooring(2 layer)	Living room
3	52-2-07	Sheet flooring (2 layers)	Front bedroom
3	52-2-08	Sheet flooring (2 layers)	Front bedroom
4	52-2-10	Sheet flooring (3 layers)	Kitchen
4	52-2-11	Sheet flooring (3 layers)	Kitchen
5	52-2-12	Floor tile (3 layers)	Kitchen doorway
5	52-2-13	Floor tile (3 layers)	Kitchen doorway
6	52-2-14	Red sheet flooring	Kitchen
6	52-2-15	Red sheet flooring	Kitchen
7	52-2-16	Floor underlay	Kitchen
7	52-2-17	Floor underlay	Kitchen
8	52-2-18	Green over tan sheet flooring (2layers)	Bathroom and hall
8	52-2-19	Green over tan sheet flooring (2layers)	Bathroom and hall
9	52-2-20	Multi colored sheet flooring	Back bedroom
9	52-2-21	Multi colored sheet flooring	Back bedroom
10	52-2-22	12"x12" Ceiling tile	Back bedroom
10	52-2-23	12"x12" Ceiling tile	Back bedroom
11	52-2-24	Brown wallpaper	Dining room
11	52-2-25	Brown wallpaper	Dining room
12	52-2-26	Wallpaper netting	Throughout
12	52-2-27	Wallpaper netting	Throughout
13	52-2-28	Window caulking	Exterior windows
13	52-2-29	Window caulking	Exterior windows
14	52-2-30	Roofing shingle and tarpaper	Roof
14	52-2-31	Roofing shingle and tar paper	Roof

APPENDIX B

CONFIRMED ASBESTOS CONTAINING MATERIAL
I-49 Segment K – I-220 Martin Luther King Jr. Drive
SPN: 455-09-0025, Parcel 52-2,
Shreveport, Caddo Parish, Louisiana
Terracon Project No. EH127077.13

HA No.	Description	Material Location	Percent/Type Asbestos	NESHAP Classification	Condition	Estimated Quantity*
1	Brown and tan sheet flooring fiber backing	Foyer	ND-sheet flooring 45%C-fiber backing	Category I non-friable ACM	Good	20 ft ²
4 & 6	Red sheet flooring fiber backing	Kitchen	ND-sheet flooring 45%C-fiber backing	Category I non-friable ACM	Good	80 ft ²
5	Three layers floor tile – tan over yellow over bottom layer	Kitchen doorway	3%C-Tan tile ND- mastic 5%C-yellow tile ND- mastic 15%C-Bottom tile ND- mastic	Category I non-friable ACM	Good	20 ft ²
8	Green over tan floor tile	Bathroom and hall	12%C-green tile ND-black mastic 5%C-tan tile ND-mastic	Category I non-friable ACM	Good	50 ft ²

* 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 No. 102056

TDSHS License No. 30-0084

LELAP ID#04089

Client : Terracon - Baton Rouge, LA
 Project : I-49 Subsegment J
 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

Lab Job No. : 12B-10642

Report Date : 09/07/2012

Page 1 of 3

On 8/31/2012, thirty (30) bulk material samples were submitted by Zack Dial 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
52-2-01	Sheet Flooring (Brown and Tan), Foyer	None Detected - Sheet Flooring 45% Chrysotile - Fiber Backing
52-2-02	Sheet Flooring (Brown and Tan), Foyer	Not Analyzed - Positive Stop
52-2-03	Sheet Flooring (Brown and Tan), Foyer	Not Analyzed - Positive Stop
52-2-04	Sheet Floor (2 Layers, Light Brown over Scaly), Living Room	None Detected - Top Flooring None Detected - Fiber Backing None Detected - Bottom Flooring None Detected - Fiber Backing
52-2-05	Sheet Floor (2 Layers, Light Brown over Scaly), Living Room	None Detected - Top Flooring None Detected - Fiber Backing None Detected - Bottom Flooring None Detected - Fiber Backing
52-2-06	Sheet Floor (2 Layers, Light Brown over Scaly), Living Room	None Detected - Top Flooring None Detected - Fiber Backing None Detected - Bottom Flooring None Detected - Fiber Backing
52-2-07	Sheet Floor (2 Layers), Front Bedroom	None Detected - Top Flooring None Detected - Fiber Backing None Detected - Bottom Flooring None Detected - Fiber Backing
52-2-08	Sheet Floor (2 Layers), Front Bedroom	None Detected - Top Flooring None Detected - Fiber Backing None Detected - Bottom Flooring None Detected - Fiber Backing
52-2-10	Sheet Floor (3 Layers), Kitchen	None Detected - Top Flooring None Detected - Fiber Backing None Detected - Middle Flooring None Detected - Fiber Backing None Detected - Bottom Flooring 45% Chrysotile - Fiber Backing
52-2-11	Sheet Floor (3 Layers), Kitchen	Not Analyzed - Positive Stop

PLM Summary Report

Steve Moody Micro Services, LLC

2051 Valley View Lane

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

NVLAP Lab No. 102056

TDSHS License No. 30-0084

LELAP ID#04089

Client : Terracon - Baton Rouge, LA

Lab Job No. : 12B-10642

Project : 1-49 Subsegment J

Report Date : 09/07/2012

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 2 of 3

On 8/31/2012, thirty (30) bulk material samples were submitted by Zack Dial 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
52-2-12	Floor Tile (2 Layers), Kitchen Doorway	3% Chrysotile - Top Tile None Detected - Yellow Mastic 5% Chrysotile - Middle Tile None Detected - Yellow Mastic 15% Chrysotile - Bottom Tile None Detected - Yellow Mastic
52-2-13	Floor Tile (2 Layers), Kitchen Doorway	Not Analyzed - Positive Stop
52-2-14	Sheet Floor (Red), Kitchen	None Detected - Sheet Flooring 45% Chrysotile - Fiber Backing
52-2-15	Sheet Floor (Red), Kitchen	Not Analyzed - Positive Stop
52-2-16	Floor Underlay, Kitchen	45% Chrysotile - Fiber Backing None Detected - Sheet Flooring None Detected - Underlay
52-2-17	Floor Underlay, Kitchen	None Detected - Underlay
52-2-18	Sheet Floor (2 Layers, Green / Tan), Bathroom and Hall	10% Chrysotile - Top Tile None Detected - Black Mastic 5% Chrysotile - Bottom Tile No Mastic
52-2-19	Sheet Floor (2 Layers, Green / Tan), Bathroom and Hall	Not Analyzed - Positive Stop
52-2-20	Sheet Floor (Multicolored), Back Bedroom	None Detected - Sheet Flooring None Detected - Fiber Backing
52-2-21	Sheet Floor (Multicolored), Back Bedroom	None Detected - Sheet Flooring None Detected - Fiber Backing
52-2-22	12" x 12" Ceiling Tile, Back Bedroom	None Detected - Acoustic Tile
52-2-23	12" x 12" Ceiling Tile, Back Bedroom	None Detected - Acoustic Tile
52-2-24	Wallpaper (Brown), Dining Room	None Detected - Wallpaper
52-2-25	Wallpaper (Brown), Dining Room	None Detected - Wallpaper
52-2-26	Wallpaper (Netting), Throughout	None Detected - Wallpaper

PLM Summary Report

Steve Moody Micro Services, LLC

2051 Valley View Lane

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

NVLAP Lab No. 102056

TDSHS License No. 30-0084

LELAP ID#04089

Client : Terracon - Baton Rouge, LA

Lab Job No. : 12B-10642

Project : 1-49 Subsegment J

Report Date : 09/07/2012

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 3 of 3

On 8/31/2012, thirty (30) bulk material samples were submitted by Zack Dial 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
52-2-27	Wallpaper (Netting), Throughout	None Detected - Wallpaper
52-2-28	Window Caulk, Exterior Windows	None Detected - Caulking
52-2-29	Window Caulk, Exterior Windows	None Detected - Caulking
52-2-30	Roof Shingle, Roof	None Detected - Roofing Shingle
52-2-31	Roof Shingle, Roof	None Detected - Roofing Shingle

These samples were analyzed by layers. Quantification, unless otherwise noted, is performed by calibrated visual estimate. Results may not be reproduced except in full. This test report relates only to the samples 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.



Analyst(s): Beverly Lorenzana

Lab Manager : Bruce Crabb

Approved Signatory :

Lab Director : Steve Moody

Approved Signatory :

Thank you for choosing Steve Moody Micro Services

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 No. 102056

TDSHS License No. 30-0084

LELAP ID#04089

Client : Terracon - Baton Rouge, LA

Project : 1-49 Subsegment J

Project # : EH127077

Lab Job No. : 12B-10642

Report Date : 09/07/2012

Page 1 of 5

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
52-2-01	Sheet Flooring (Brown / Tan)	50%	Synthetic Foam	70%	09/07	BL
			Vinyl Binders	30%		
	Fiber Backing (Light Grey)	50%	Chrysotile	45%		
			Cellulose Fibers	30%		
			Binders / Fillers	25%		
52-2-02	Not Analyzed - Positive Stop	100%			09/07	BL
52-2-03	Not Analyzed - Positive Stop	100%			09/07	BL
52-2-04	Top Flooring (Light Brown)	25%	Calcite / Vinyl Binders	100%	09/07	BL
	Fiber Backing (Black)	25%	Cellulose Fibers	85%		
			Tar Binders	15%		
	Bottom Flooring (Scaly)	25%	Synthetic Foam	70%		
			Vinyl Binders	30%		
52-2-05	Fiber Backing (Blue)	25%	Cellulose Fibers	100%		
	Top Flooring (Light Brown)	25%	Calcite / Vinyl Binders	100%		
	Fiber Backing (Black)	25%	Cellulose Fibers	85%		
			Tar Binders	15%		
	Bottom Flooring (Scaly)	25%	Synthetic Foam	70%		
52-2-06			Vinyl Binders	30%	09/07	BL
	Fiber Backing (Blue)	25%	Cellulose Fibers	100%		

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 No. 102056
 TDSHS License No. 30-0084
 LELAP ID#04089

Client : Terracon - Baton Rouge, LA
 Project : 1-49 Subsegment J
 Project # : EH127077

Lab Job No. : 12B-10642
 Report Date : 09/07/2012

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Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
52-2-07	Top Flooring (Brown)	25%	Calcite / Vinyl Binders	100%	09/07	BL
	Fiber Backing (Black)	25%	Cellulose Fibers	85%		
			Tar Binders	15%		
	Bottom Flooring (Grey)	25%	Calcite / Vinyl Binders	100%		
	Fiber Backing (Black)	25%	Cellulose Fibers	85%		
			Tar Binders	15%		
52-2-08	Top Flooring (Brown)	25%	Calcite / Vinyl Binders	100%	09/07	BL
	Fiber Backing (Black)	25%	Cellulose Fibers	85%		
			Tar Binders	15%		
	Bottom Flooring (Grey)	25%	Calcite / Vinyl Binders	100%		
	Fiber Backing (Black)	25%	Cellulose Fibers	85%		
			Tar Binders	15%		
52-2-10	Top Flooring (Yellow)	17%	Synthetic Foam	70%	09/07	BL
			Vinyl Binders	30%		
	Fiber Backing (Light Grey)	16%	Glass Wool Fibers	5%		
			Calcite / Binders	95%		
	Middle Flooring (Orange)	17%	Calcite / Vinyl Binders	100%		
	Fiber Backing (Black)	16%	Cellulose Fibers	85%		
			Tar Binders	15%		
	Bottom Flooring (Red)	17%	Calcite / Vinyl Binders	100%		
	Fiber Backing (Light Grey)	17%	Chrysotile	45%		
			Cellulose Fibers	30%		
			Binders / Fillers	25%		
52-2-11	Not Analyzed - Positive Stop	100%			09/07	BL

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 No. 102056
 TDSHS License No. 30-0084
 LELAP ID#04089

Client : Terracon - Baton Rouge, LA
 Project : 1-49 Subsegment J
 Project # : EH127077

Lab Job No. : 12B-10642
 Report Date : 09/07/2012

Page 3 of 5

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
52-2-12	Top Tile (Light Tan)	33%	Chrysotile	3%	09/07	BL
			Calcite / Vinyl Binders	97%		
	Yellow Mastic (Yellow)	<1%	Glue Binders	100%		
	Middle Tile (Yellow)	33%	Chrysotile	5%		
			Calcite / Vinyl Binders	95%		
	Yellow Mastic (Yellow)	<1%	Glue Binders	100%		
	Bottom Tile (Light Tan)	34%	Chrysotile	15%		
			Calcite / Vinyl Binders	85%		
	Yellow Mastic (Yellow)	<1%	Glue Binders	100%		
52-2-13	Not Analyzed - Positive Stop	100%			09/07	BL
52-2-14	Sheet Flooring (Red)	50%	Synthetic Foam	70%	09/07	BL
			Vinyl Binders	30%		
	Fiber Backing (Light Grey)	50%	Chrysotile	45%		
			Cellulose Fibers	30%		
			Binders / Fillers	25%		
52-2-15	Not Analyzed - Positive Stop	100%			09/07	BL
52-2-16	Fiber Backing (Light Grey)	5%	Chrysotile	45%	09/07	BL
			Cellulose Fibers	30%		
			Binders / Fillers	25%		
	Sheet Flooring (Off-White)	10%	Synthetic Foam	70%		
			Vinyl Binders	30%		
	Underlay (Black)	85%	Cellulose Fibers	85%		
			Tar Binders	15%		
52-2-17	Underlay (Black)	100%	Cellulose Fibers	85%	09/07	BL
			Tar Binders	15%		

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 No. 102056

TDSHS License No. 30-0084

LELAP ID#04089

Client : Terracon - Baton Rouge, LA

Project : 1-49 Subsegment J

Project # : EH127077

Lab Job No. : 12B-10642

Report Date : 09/07/2012

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Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
52-2-18	Top Tile (Tan)	25%	Chrysotile	10%	09/07	BL
			Calcite / Vinyl Binders	90%		
	Black Mastic (Black)	35%	Cellulose Fibers	25%		
			Tar Binders	75%		
	Bottom Tile (Green)	40%	Chrysotile	5%		
			Calcite / Vinyl Binders	95%		
	No Mastic					
52-2-19	Not Analyzed - Positive Stop	100%			09/07	BL
52-2-20	Sheet Flooring (Multi-colored)	50%	Calcite / Vinyl Binders	100%	09/07	BL
	Fiber Backing (Black)	50%	Cellulose Fibers	85%		
			Tar Binders	15%		
52-2-21	Sheet Flooring (Multi-colored)	50%	Calcite / Vinyl Binders	100%	09/07	BL
	Fiber Backing (Black)	50%	Cellulose Fibers	85%		
			Tar Binders	15%		
52-2-22	Acoustic Tile (Brown / White)	100%	Wood Fibers	100%	09/07	BL
52-2-23	Acoustic Tile (Brown / White)	100%	Wood Fibers	100%	09/07	BL
52-2-24	Wallpaper (Brown)	100%	Cellulose Fibers	100%	09/07	BL
52-2-25	Wallpaper (Brown)	100%	Cellulose Fibers	100%	09/07	BL
52-2-26	Wallpaper (Tan)	100%	Cotton Fibers	100%	09/07	BL
52-2-27	Wallpaper (Black)	100%	Cellulose Fibers	85%	09/07	BL
			Tar Binders	15%		
52-2-28	Caulking (White)	100%	Calcite	60%	09/07	BL
			Binders / Fillers	40%		
52-2-29	Caulking (White)	100%	Calcite	60%	09/07	BL
			Binders / Fillers	40%		
52-2-30	Sand Layer (Black)	50%	Aggregate	100%	09/07	BL
	Roofing Shingle (Black)	50%	Glass Wool Fibers	20%		
			Calcite	35%		
			Tar Binders	45%		

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

Supplement to PLM Summary Report

LELAP ID#04089

Project # : EH127077

Report Date : 09/07/2012

Page 5 of 5

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
52-2-31	Sand Layer (Black)	50%	Aggregate	100%	09/07	BL
	Roofing Shingle (Black)	50%	Glass Wool Fibers	20%		
			Calcite	35%		
			Tar Binders	45%		

Chain of Custody

Page 1 of 1



Lab Job # 23-10642 PLM30

Lab Job # _____

Lab Job # _____

****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 ☐ 5 day

HPC + Gram Stain ☐ 6-8 day

HPC + 3 Gram Neg ID ☐ 6-8 day

HPC + 5 Gram Neg ID ☐ 3 day

Fecal Coliform (MPN) ☐ 2-3 day

Total Coliform & E Coli (P/A) ☐ 2-3 day

Billing Company / City: TERRACON

Submitter / Company: LEM DIAL

Project: EH127077- 1-49 Subsegment J

Contact Information: Name: LEM DIAL

E-mail Results to: ZLDIAL@TERRACON.COM

Invoice Address: 2822-B O'NEAL LANE, BATON ROUGE, LA 70816

of Samples: _____

Sample Date: _____

Project #: EH127077

Phone #: 225-810-2069

Mobile #: _____

P.O. #: EH127077.13

--- 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
52-2-01	BROWN & Tan Sheet Floor	20 #	Foyer
52-2-02	2-LAYERS: Light Brown over Sealed Floor	100 #	Living room
52-2-03	08 - 2-LAYERS sheet floor	100 #	front bedroom
52-2-04	09 - NOT Submitted		
52-2-05	10 - 3-LAYER sheet floor	15 #	Kitchen corner
52-2-06	11 - 2-LAYER FLOOR TILE	20 #	KITCHEN Doorway
52-2-07	12 - Red sheet floor	75 #	KITCHEN
52-2-08	13 - floor underlayment	75 #	KITCHEN
52-2-09	14 - 2 LAYERS sheet floor Green/Tan	80 #	Bathroom & hall
52-2-10	15 - Multi-colored sheet floor	100 #	BACK BEDROOM
52-2-11	16 - 12x12" Ceiling TILE	100 #	BACK BEDROOM
52-2-12	17 - Brown Wall paper	500 #	Dining Room
52-2-13	18 - Wall paper Hallway	200 #	Hallway
52-2-14	19 - Window caulk	200 lf	Exterior Windows
52-2-15	20 - Roof shingle	1,200 #	Roof

Released By: <u>Jack L. Dial</u>	Date / Time: <u>8/30/1000</u>	Received By: <u>Unsealed</u>	Date / Time: <u>8/31/12 9:50AM</u>
Released By: _____	Date / Time: _____	Received By: <u>Good</u>	Date / Time: _____

APPENDIX D
CERTIFICATIONS

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Zack Lem Dial III

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

ASBESTOS INSPECTOR

Accreditation No. 31136444

AI No. 136444

Date of Issuance 5/15/2012

Expiration 4/27/2013

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 Mayeux
Permit Support Services Division
Office of Environmental Services

APPENDIX E
PHOTOGRAPHS



Photo 1 View of residential structure.



Photo 2 View of exterior window.

1452 Martin Luther King Jr. Drive



Photo 3 View of living room in structure.



Photo 4 View of kitchen flooring.