Bid Due Date: All bids must arrive at 700 North Catherine St., Terrell, TX 75160 on or before 6/25/2019 by 12:00 noon. Bids arriving after this date/time will not be considered.

Bid Title: Park Annex Building Renovation
Bid Type: Competitive Bidding
Issue Date: 06/14/2019
Close Date: 06/25/2019 12:00 noon (CT)

Contact: Ronnie Buchanan, Director of Maintenance
Telephone: (972) 563-2424
Fax: (972) 563-4749
Email: ronnie.buchanan@terrellisd.org

Bid Description

The Terrell Independent School District (TISD) is requesting competitive bids for construction services (Abatement/Demo) to be completed at the City of Terrell, Park Annex Building located at 103 Ninth Street, Terrell, TX 75160.

Contractor Information:

Company Name ________________________________________________

Contact Name ________________________________________________

Telephone ________________________________

Email __________________________________________

Contract Term

Work is to begin as soon as possible (as allowed by law) and to be completed by July 10th, 2019.

Contract Price __________________________________________

Base Bid: ____________

By submitting your response, you certify that you are authorized to represent and bind your company.

Signature ________________________________ Date _____________________________
Bid Activities

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>06/14/2019 12:00 AM (CT)</td>
<td>Release of RFP for Competitive Bidding</td>
</tr>
<tr>
<td>06/19/2019 10:00 AM (CT)</td>
<td>Pre-Bid Meeting (103 Ninth Street, Terrell, TX 75160),</td>
</tr>
<tr>
<td>06/20/2019 12:00 PM (CT)</td>
<td>Deadline for Questions (From Bidders to <a href="mailto:ronnie.buchanan@terrellisd.org">ronnie.buchanan@terrellisd.org</a>)</td>
</tr>
<tr>
<td>06/22/2019 05:00 PM (CT)</td>
<td>Respond to Questions (District)</td>
</tr>
<tr>
<td>06/24/2019 10:00 AM (CT)</td>
<td>2nd Pre-Bid Meeting (only if requested in writing to <a href="mailto:ronnie.buchanan@terrellisd.org">ronnie.buchanan@terrellisd.org</a>)</td>
</tr>
<tr>
<td>6/26/2019 12:00 PM (CT)</td>
<td>Deadline for Submittal</td>
</tr>
<tr>
<td>06/27/2019 12:00 AM (CT)</td>
<td>Effective Date of Award</td>
</tr>
</tbody>
</table>

Bid Attachments (included with request for proposal)

The following attachments are associated with request for proposals.

1. Request for Proposal (Competitive Bidding)
2. Asbestos Abatement Scope of Work
3. Demo Scope of Work
4. Insurance Requirements
5. 1295 Form

Documents to be Submitted

The following documents are to be submitted to the district as part of the proposal

- [ ] Completed Proposal (with signatures, initials as applicable & questions)
- [ ] Proof of Minimum Insurance Requirements
- [ ] W-9 Form
- [ ] Form 1295
Please review the following and respond where necessary

1. I have received and understand Scope of Work/Architectural Plans.


2. Contractor shall conduct a criminal history review of each employee assigned to TISD property once per contract year and shall not assign any employee who has been arrested for a crime involving moral turpitude or any relationship with a child. Under Section 22.0834 of the Education Code, the contractor is required to certify to the district that the criminal history check has been performed. The contractor, not the district, is responsible for contacting DPS directly to set up an account for the purposes of obtaining criminal history record information.


3. Code Chapter 2270: Pursuant to Section 2270.002 of the Texas Government Code, Respondent certifies that either (i) it meets an exemption criteria under Section 2270.002; or (ii) it does not boycott Israel and will not boycott Israel during the term of the contract resulting from this solicitation. Respondent shall state any facts that make it exempt from the boycott certification in its Response.


4. Texas Education Code, Section 44.034, Subsection (a), states “A person or business entity that enters into a contract with a school district must give advance notice to the district if the person or an owner or operator of the business entity has been convicted of a felony. The notice must include a general description of the conduct resulting in the conviction of a felony.” Subsection (b) states “A school district may terminate a contract with a person or business entity if the district determines that the person or business entity failed to give notice as required by Subsection (a) or misrepresented the conduct resulting in the conviction. The district must compensate the person or business entity for services performed before the termination of the contract.”


5. Contract shall be put into effect by means of a purchase order executed by the District after proposal has been awarded. Transfer of contract by Vendor is prohibited unless approved by the District.


Is your firm owned or operated by anyone who has been convicted of a felony?


If yes, please provide a general description of the conduct resulting in the conviction:


(No response required)
6. Problem resolution regarding unsatisfactory performance will be dealt with by the withholding of payment for services during the period the problem(s) persist. However, it is the desire of TISD that any and all problems be corrected quickly and fairly. A meeting will be held between the vendor(s) and the TISD Maintenance Department to determine what steps will be necessary to ensure the resolution of any problems. This will occur at the discretion of TISD depending upon the seriousness of the problem(s) involved.

7. Contractor certifies that this company or individual has not prepared this bid in collusion with any other bidder, and that the contents of this bid as to prices, terms or conditions of said bid have not been communicated by the undersigned nor by any employee or agent to any other person engaged in this type of business prior to the official opening of this bid.

8. The parties hereby agree that this contract was negotiated, made and entered into in the State of Texas and under the laws of the State of Texas.

9. The factors to be used in evaluating submitted proposals and awarding contract.

   (a) price; (70%)
   (b) vendor reputation, and reputation of the vendor’s goods or services; (20%)
   (c) vendor’s past relationship with the entity; (10%)
Questionnaire

Please review the following and respond where necessary

1. Please describe your company’s timeline complete the job. Include estimated number of employees assigned to the job.

_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________

2. How long has your company been performing similar construction services? _________________

3. Please provide three business references that have contracted with your company to provide similar construction services.

(A) Business Name: _____________________________________________________________
Contact Person/Phone: __________________________________________________________
Number of properties and/or estimated acreage: ________________________________

(B) Business Name: _____________________________________________________________
Contact Person/Phone: __________________________________________________________
Number of properties and/or estimated acreage: ________________________________

(C) Business Name: _____________________________________________________________
Contact Person/Phone: __________________________________________________________
Number of properties and/or estimated acreage: ________________________________
Asbestos Abatement Scope of Work

Terrell ISD-Park Annex Building
103 9th Street
Terrell, Texas 75160

Prepared for:
700 North Catherine
Terrell, TX

Prepared by
DCG Environmental, LLC
836 Eastridge Circle
Red Oak, TX 75154

Phone: 972-489-8927
Email: rhines@dcgenvironmental.com
www.dcgenvironmental.com
TABLE OF CONTENTS

SECTION 1.0 - SCOPE OF WORK
SECTION 2.0 - PROTECTIVE CLOTHING AND EQUIPMENT
SECTION 3.0 - EMERGENCY PLANNING
SECTION 4.0 - SITE PREPARATION FOR ASBESTOS REMOVAL
SECTION 5.0 - ASBESTOS REMOVAL AND DISPOSAL PROCEDURES
SECTION 6.0 - CLEAN-UP PROCEDURES
SECTION 7.0 - AIR MONITORING PLAN
SECTION 8.0 - SUBMITTALS
APPENDICES
APPENDIX A – ASBESTOS REPORTS
APPENDIX B – MAPS
APPENDIX C – LICENSES
APPENDIX D - NOTIFICATION
SECTION 1.0 - SCOPE OF WORK

1.1 Purpose

This Asbestos Abatement Guide or Work Plan gives general methods and work procedures to be used by the selected Asbestos Abatement Contractor for the safe removal of asbestos-containing materials (ACMs). This plan is to be used in coordination with all applicable federal, state, and local regulations as well as the general abatement specifications as found in the Texas Department of State Health Services (TDSHS) Texas Asbestos Health Protection Rides (TAHPR) in Title 25 of the Texas Administrative Code Part 295.31-295.73 (25 TAC 295.31-295.73), United States Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) in Title 40 of the Code of Federal Regulations Part 763 Subpart E (40 CFR 763 Subpart E), EPA National Emission Standard for Hazardous Air Pollutants (NESHAP in 40 CFR 61 Subpart M, United States Department of Labor, Occupational Safety and Health Administration (OSHA) Asbestos in Construction Standard for Class I, II, III, IV Asbestos Work operations in 29 CFR 1926.1101 and the Resilient Floor Covering Institute (RFCI) guidelines.

1.2 Scope

This project includes removal of ACMs as identified in this specification or as directed by the Owner's contract documents. These operations shall be in compliance with OSHA Class I and Class II, EPA AHERA and TDSHS guidelines. The Scope of work is as follows:

A. Contractor shall submit pre-work submittals (1 copy) for review, prior to work. The submittals shall contain, but not limited to all licenses, personnel information, performance, labor and payroll bonds and TDSHS and EPA Notification. Contractor is directed to fill out and submit the TDSHS Notification for the Owner based on the timetable as set forth by the Owner's schedule.

B. Contractor shall supply all the necessary tools, equipment, labor, construction/abatement activity materials, waste transportation/can (enclosed disposal unit) and delivery of the waste to an appropriate waste disposal facility to complete the work as specified by these guidelines and/or by contract agreement.

C. Owner shall supply a source of water and electrical power for the project. The asbestos regulated units (ARUs) shall be paid by the Owner.

D. Contractor, as a minimum shall isolate the work area in accordance with the appropriate sections of 25 TAC 295.60 and 29 CFR 1926.1101 (g) as well as this work plan. A temporary airtight barrier, as required, shall be constructed to separate the work areas from the occupied areas in order to maintain service to those areas of the building(s). This barrier shall be constructed of polyethylene sheeting and wood framing or equivalent. Penetrations through the barrier shall be sealed with an appropriate sealant.
E. Contractor shall remove and dispose of the following ACMs as indicated on the reference drawing and as directed by the Owner's representative:

- Remove and dispose of approximately 1,200 square feet of asbestos-containing floor tile associated with the floor located at 103 9th Street, Terrell TX.

F. Contractor shall protect all electrical and thermostat components throughout the building(s).

G. Contractor shall construct a three-chamber wet decontamination unit for each work area. The decontamination chamber shall be equipped with a shower capable of delivering hot and cold water. An adequate supply of soap, shampoo and disposable towels shall be maintained for workers at egress. This decontamination unit will only be used if RFCI is not used on the project.

H. All small movable objects shall be removed and stored by others. Large movable object left inside each work area shall be covered by a minimum of one layer of 4-mil polyethylene sheeting.

I. Contractor is to begin work from the start date as noted on the TDSHS Notification or as amended by the Owner's contract. Work schedule is estimated to be a normal 8-hour day. The Contractor may opt to work a 10 to 12-hour day; however, the Contractor must inform the Consultant 24 hours in advance prior to change in work schedule. The Consultant and the Owner must approve any changes to the work schedule.

J. Contractor personnel shall not consume food, alcoholic beverages or smoke on the project site premises during any activity. Personnel shall restrict themselves to work hours and park only in designated areas. No admittance to the premises is permitted unless escorted by an Owner’s Representative or approved Asbestos Contractor/ Supervisor.

K. Contractor shall coordinate all work times with the Owner’s Individual Asbestos Consultant (IAC) or Project Manager and is directed to submit, adjust, and amend the TDSHS Notification for the Owner based on his accessibility.

L. Contractor is to submit close out documents within 15 days of completion, to include but not limited to waste manifest, personal testing (PEL/STEL), licenses and project logs.
This project shall be performed in accordance with this Asbestos Abatement Guide as well as applicable OSHA, EPA and State of Texas requirements. The Texas Department of State Health Services (DSHS) adopted rules dated December 4, 1998, and revised March 2003 will be enforced. Prior to initiating work, proper written notification to appropriate agencies shall be performed in accordance with EPA and Texas DSHS requirements.

END OF SECTION 1.0
SECTION 2.0 – PROTECTIVE CLOTHING AND EQUIPMENT

2.1 Protective Clothing

A. Each authorized person involved in asbestos removal shall wear protective disposable coveralls, coated canvas or rubber gloves, head covering, and non-skid foot coverings whenever he/she is within the regulated area. The protective clothing shall be made of a material impervious to asbestos fibers.

2.2 Respirators

A. Contractor shall comply with 29 CFR 1926.1101 (h) and the OSHA General Industry Respiratory Protection Standard in 29 CFR 1910.134 and initiate appropriate respirator program. A minimum of half-mask air purifying respirators with dual HEPA (High Efficiency Particulate Air) filters shall be used during work area preparation and removal of non-friable materials. A minimum of full-face powered air purifying respirators (PAPR) with HEPA filtration shall be utilized during the removal of friable materials. The contractor is responsible for the appropriate selection of respirators.

B. All respirators shall be approved by the National Institute of Occupational Safety and Health (NIOSH) for use in asbestos-containing atmospheres.

C. Each worker must perform positive and negative air pressure fit tests each time a respirator is put on or as respirator designs permit. Supplied air respirators shall be tested for adequate flow as specified by the manufacturer.

D. No one wearing a beard or other facial hair which will prevent a proper respirator seal shall be allowed to wear a respirator or enter the regulated area.

END OF SECTION 2.0
SECTION 3.0 – EMERGENCY PLANNING

3.1 Procedures

A. The contractor shall develop emergency planning procedures prior to abatement initiation. This plan shall consist of, but not be limited to, emergency exit plans, notification procedures, and fire extinguisher locations. Both the contractor and the Owner shall agree on these procedures.

B. Telephone numbers of all emergency response personnel shall be predominately posted in the clean room and equipment room. The location of the nearest telephone shall also be given.

END OF SECTION 3.0
SECTION 4.0 – SITE PREPARATION FOR ASBESTOS REMOVAL

4.1 Worksite Enclosure

Contractor shall isolate the work area (regulated area) per TDSHS regulation 25 TAC 295.60, EPA regulation 40 CFR 61.145I(3)(B), and OSHA Standard 29 CFR 1926.1101. The regulated areas shall be roped off and marked with clearly written warning labels in order to keep unauthorized personnel out of the regulated area. The regulated area shall encompass the whole identified removal area expected to have an airborne asbestos fiber concentration greater than 0.01 fibers per cubic centimeter (f/cc) and/or 70 structures per square millimeter (s/mm²) as a result of the removal activities and not of other non-related activities conducted in the building.

A. All movable objects shall be removed from the containment area. Cleaning of contaminated items shall be performed if the items are to be salvaged or reused. Otherwise, they shall be properly disposed of as asbestos waste. All non-movable objects that remain in the containment area shall be covered with a minimum of four mil plastic sheeting, secured in place.

B. Regulated areas within which asbestos abatement is to be conducted shall be separated from adjacent areas by impermeable barriers such as plastic sheeting attached securely in place. All openings between containment areas and adjacent areas, including but not limited to windows, doorways, elevator openings, corridor entrances, ventilation openings, drains, ducts, grills, grates, diffusers, and skylights shall be sealed. All penetrations that could permit air infiltration or air leaks through the barrier shall be sealed, with the exceptions of the make-up air provisions and the means of entry and exit.

C. Sealing of all floor penetrations against water leakage is mandatory. Wall sheeting shall completely cover all wall surfaces and consist of a minimum of two layers of four-mil sheeting. Wall sheeting shall be installed so as to minimize joints and shall extend beyond wall/floor joints at least 12 inches. No seams shall be located at wall-to-wall joints. Where a fire hazard exists, all plastic sheeting will be certified by the Underwriters Laboratory (UL) as being fire retardant. Where feasible, when containment walls which exceed 260 linear feet must be constructed, a viewing window will be included in the wall for each 260 linear feet or fraction of that distance which will permit the viewing of at least 51% of the abatement work area. The window shall be constructed of plexiglass which measures approximately 18 inches by 18 inches. The bottom of the window will be at a reasonable viewing height from the outside floor.

D. Contractor shall provide enough negative air units to ensure four air exchanges inside the regulated area at all times. Contractor shall supply a sufficient quantity of negative pressure ventilation units equipped with ANSI 29.2-79 Local Exhaust Ventilation Requirement and EPA guideline document EPA 560/5-83-002 Guidance for Controlling Friable Asbestos-Containing
Materials in Buildings. The documents recommend 0.02 inches of water pressure differential between outside and inside the enclosure. Openings made in the enclosure to accommodate these units shall be air tight. The unit should be placed at the best location so that air is forced to move most optimally across the entire enclosure.

4.2 Decontamination Facility

The enclosure shall consist of an enclosed work area and a decontamination area which consists of a change room, shower, and equipment room immediately adjacent to and contiguous with the work area.

END SECTION 4.0
SECTION 5.0 – ASBESTOS REMOVAL AND DISPOSAL PROCEDURES

5.1 Class I Work

Class I Work means activities involving the removal of TSI and surfacing ACM and presumed asbestos-containing material (PACM). This scope of work requires the removal of the following:

- Nothing in this scope.

5.1.1 The following steps are intended to cover the removal of the asbestos-containing surfacing material:

- Nothing in this scope

5.2 Class II Work

Class II Work means activities involving the removal of ACM that is not TSI or surfacing material. This includes, but is not limited to, the removal of asbestos-containing floor tile and sheeting, roofing and siding shingles, and construction mastics. This scope of work requires the removal of the following:

- Remove and dispose of approximately 1,200 square feet of asbestos-containing floor tile associated with the floor located at 103 9th Street, Terrell TX.

5.2.1 The following steps are intended to cover the removal of asbestos-containing floor tile and associated mastic.

The RCFI removal method for flooring may be used only if the Contractor is properly trained and can demonstrate a prior successful work history. The RCFI method can only be used if the tile has not been damaged before the abatement takes place. If the RCFI method cannot be used, the contractor shall use full containment for the abatement of the tile.

A. Regulate the work area where airborne concentrations of asbestos exceed, or there is a reasonable possibility they may exceed the PEL.
B. Demarcate the work area with signs and barrier tape.
C. Access to regulated areas shall be limited to authorized personnel only.
D. All persons entering a regulated area are required to wear respirators. The minimum respiratory protection for this scope of work is a ½ mask air purifying respirator with HEPA filters unless fiber concentrations require greater protection. The Contractor is responsible for proper and appropriate respirator selection.
E. A competent person shall supervise all asbestos work.
F. Use only vacuum cleaners equipped with HEPA filters to collect all debris and dust containing ACM or PACM.
G. Use wet methods, or wetting agents, to control employee exposure during asbestos handling, mixing, removal, cutting, application, and cleanup, except when there is an electrical hazard or other hazard.
H. Critical barriers shall be placed over all openings to the regulated area.
I. Shutdown and lockout the HVAC system.
J. All objects within the regulated area shall be covered with impermeable drop cloths or plastic sheeting that is secured by duct tape or equivalent.
K. Prep all walls with one layer of 4-mil. plastic at least four (4) feet high from the floor.
L. Construct decontamination and load-out units.
M. Establish negative pressure.
N. Conduct pre-abatement visual inspection with PM.
O. Any impermeable objects that are not ACM; must be HEPA vacuumed or wet wiped, then passed through the bag out as non-ACM waste.
P. Remove ACM along with amended water. Materials should be removed intact, unless the Contractor demonstrates that intact removal is not possible.
Q. Promptly cleanup and disposal of wastes and debris contaminated with asbestos in leak-tight containers. Vacuums equipped with HEPA filter, disposable dust bag, and metal floor tool (no brush) shall be used to clean floors.
R. All scraping of residual adhesive and/or backing shall be performed using wet methods. Chemical removers may be used upon submittal and approval by the PM.
S. Wet wipe and clean entire work area.
T. Conduct final visual inspection with PM.
U. Encapsulate the entire work area.

5.2.1 The following steps are intended to cover the removal of asbestos-containing mirror mastic.

A. Regulate the work area where airborne concentrations of asbestos exceed, or there is a reasonable possibility they may exceed the PEL.
B. Demarcate the work area with signs and barrier tape.
C. Access to regulated areas shall be limited to authorized personnel only.
D. All persons entering a regulated area are required to wear respirators. The minimum respiratory protection for this scope of work is a ½ mask air purifying respirator with HEPA filters unless fiber concentrations require greater protection. The Contractor is responsible for proper and appropriate respirator selection.
E. A competent person shall supervise all asbestos work.
F. Use only vacuum cleaners equipped with HEPA filters to collect all debris and dust containing ACM or PACM.
G. Use wet methods, or wetting agents, to control employee exposure during asbestos handling, mixing, removal, cutting, application, and cleanup, except when there is an electrical hazard or other hazard.
H. Place a drop cloth on the ground to prevent materials from being displaced on the floor.
I. Make a diamond cut on the sheetrock around the black mastic. DO NOT cut into the mastic.
J. Once the diamond cut has been made peel the sheetrock paper with the associated black mirror mastic off the sheetrock.
K. Dispose of waste per section 5.4
5.3 The following steps are intended to cover the removal of all ACMs:

A. All asbestos-containing materials shall be wetted with amended water prior to and continuously during asbestos removal, cutting or stripping. The material shall be saturated to the substrate without allowing excessive amounts of water to accumulate in the work area. All removed material shall be kept wet enough to prevent fiber release until it is placed in disposal containers.

B. Surfactant shall be a 50/50 mixture of polyoxyethylene ether and polyoxyethylene ester or equivalent, mixed in a proportion of one (1) fluid ounce to five (5) gallons of water or as specified by the manufacturer.

C. All non-friable materials should be removed as units as much as possible. Asbestos that is removed in units or sections shall be carefully lowered to the ground or a lower level without dropping or throwing the asbestos sections. Asbestos that is not removed in units or sections shall be immediately placed in disposal containers.

D. After completion of all removal work, surfaces from which asbestos has been removed shall be wet brushed and sponged and/or cleaned with a HEPA vacuum to remove residual residue.

E. After the work area has been cleaned of all visible asbestos, all surfaces in the work area shall be coated with a thin coat of a satisfactory, penetrative encapsulant to seal any non-visible asbestos fibers.

F. Encapsulant shall be applied using airless spray equipment.

G. The contractor shall submit the Material Safety Data Sheet (MSDS), or equivalent, in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) for each surfactant, encapsulating material and solvent proposed for use on the work. Include a separate attachment for each sheet indicating the specific worker protective equipment proposed for use with the material indicated. If a chemical mastic remover is used, the chemical selected must have a cup flash point of 140 degrees Fahrenheit or higher. The chemical shall contain no chlorinated compounds or any compounds which would render the waste as hazardous waste for disposal. Application of this material shall be in compliance with the manufacturer’s MSDS.

5.4 Waste Disposal

A. Disposal bags shall be 6-mil polyethylene bags, or TDSHS approved equivalent, that are preprinted with labels as required by the applicable Occupational Safety and Health Administration (OSHA) regulation and EPA NESHAPS Standard 40 CFR Part 61, Subpart M. All asbestos waste shall be double-bagged and goose necked at the top to prevent fiber release.

B. The contractor shall take care to prevent asbestos material from clinging to the outside of the filled bags or containers. The bags shall be HEPA vacuumed and/or wet-wiped prior to leaving the work area.

C. The waste transporter shall have a TDSHS asbestos transporter license.

D. Authorized persons shall be protected by disposable clothing and a minimum of half-face respirator while loading asbestos waste.

E. The enclosed cargo area of the truck or dumpster shall be lined with 6-mil polyethylene sheeting to prevent contamination from leaking containers. Trucks and dumpsters shall have lockable enclosed cargo areas.

F. Waste containers shall not be thrown into or out of the truck cargo area or dumpster.
G. Asbestos waste shall be disposed of in an approved landfill according to current state requirements.

H. A proper manifest shall be required of all off-site asbestos shipments per Texas Commission on Environmental Quality (TCEQ) regulations 21 TAC 335.10 and EPA NESHAPS Standard 40 CFR Part 61, Subpart M. The Owner shall be responsible for signing the waste manifest. PSI shall review the manifest prior to removal of waste from the site. PSI will not be responsible for signing the waste manifests.

1. A copy of the waste manifest shall be sent to DCG Environmental, LLC., and the Owner upon completion of the project.

END OF SECTION 5.0
SECTION 6.0 – CLEAN-UP PROCEDURES

6.1 Work Area Cleanup

A. The work area and the decontamination area shall be thoroughly cleaned after all work is finished.
B. The area shall be cleaned with a HEPA vacuum and/or wet-wiped.
C. After vacuuming and/or wet-wiping, all of plastic sheeting shall be sprayed with an encapsulant and then disposed of as asbestos-waste.
D. Contractor shall remove all waste materials and equipment from the job site within 24 hours of project completion.

END OF SECTION 6.0
SECTION 7.0 AIR MONITORING PLAN

7.1 General Procedures

Monitoring of airborne concentrations of asbestos fibers shall be in accordance with TDSHS regulation 25 TAC 295.58 (i), OSHA regulation 29 CFR 1926.1101(f) and Appendices A and B, and EPA AHERA regulation 40 CFR 763.90 Subpart E, and as specified in this plan.

7.2 Monitoring Prior to Abatement

Area monitoring shall be performed in the ACM work area prior to the abatement operations in order to establish the airborne asbestos fiber concentration in the work area prior to the commencement of removal operations. This result will establish an airborne fiber concentration in the work area during normal environmental conditions. A minimum of three samples shall be collected on 0.8 micron mixed cellulose ester (MCE) filters loaded in conducting cassettes with extension cowls. Sampling and analysis will be in accordance with the latest edition of NIOSH 7400 protocol, counting rules A. The minimum sample volume will be 1,250 liters. These samples may be analyzed or archived at the Consultant’s discretion. The samples shall be preserved for not less than 60 days following achieving clearance.

7.3 Monitoring During Abatement

Area, environmental, and personal monitoring shall be performed to provide exposures to airborne fiber concentrations in the working environment. All area samples shall be referenced in the daily log.

7.3.1 Area and Environmental Sampling

Monitoring of the areas surrounding the abatement site shall be performed on a daily basis. Area samples shall be collected inside the abatement area (containment) and environmental samples shall be collected outside the containment. A minimum of two (2) general area samples shall be collected inside the abatement area and three (3) outside the containment. The outside samples shall be located at the negative air exhaust, in the immediate outside adjacent space and at the decontamination unit. The amount of air sampled shall be approximately 1250 liters per sample. Reduction in air sample volumes may be necessary based on work activities and time constraints. If air monitoring outside the abatement area shows air concentrations greater than the action level (0.01 fibers/cc Time Weighted Average), the contractor’s supervisor will be immediately notified.

7.3.2 Personal Sampling

Monitoring of workers shall take place as required by OSHA regulation 29 CFR 1910.1001 and Texas Department of State Health Services regulations. This type of monitoring shall be performed as required during different phases of the abatement process. A minimum of 240 liters of air shall be collected on these samples. Personal sampling is the responsibility of the contractor.
7.5 Air Sample Analysis

The air samples shall be analyzed in accordance with the NIOSH 7400 protocol, counting rules A using Phase Contrast Microscopy by an AAR certified laboratory. Collecting and analyzing baseline, area, and environmental samples, as well as inspecting the site, will be the responsibility of a DSHS licensed laboratory. The laboratory results will be available within 24 hours after completion of the sampling.

END OF SECTION 7.0
SECTION 8.0 - SUBMITTALS

8.1 Contractor’s Construction Schedule

A. Before the start of work, the contractor shall provide a proposed detailed schedule including work dates, work shift time, number of employees, date of start and completion including dates of preparation work, removal and final inspection dates.

B. Submit the following to the Owner’s representative for review of project coordination.
   2. Telephone Numbers and Location of Emergency Services.
   3. Notifications Sent to Emergency Service Agencies.
   4. Accreditation Training Certificate for Asbestos Abatement Supervisor and Workers
   5. Copy of Medical Examination for Asbestos Abatement Supervisor and Workers
   6. Texas DSHS License for Asbestos Abatement Supervisor and Workers

C. Submittals related to Regulatory Requirements:
   1. Notices: Submit notices required by federal, state and local regulations together with proof of timely transmittal to agency requiring the notice.
   2. Permits: Submit copies of current valid permits required by state and local regulations.
   3. Licenses: Submit copies of all state and local licenses and permits necessary to carry out the work of this contract.

D. Before the start of work, submit the following to the Owner’s representative for review:
   1. Copies of certification from an EPA approved AHERA abatement workers course, Texas Department of State Health Services Asbestos Worker’s registration and a current copy of medical examination for each worker.

E. At the completion of the project, submit two (2) copies of all the above referenced items to the Owner’s representative as the project close-out documents.

END OF SECTION 8.0
APPENDIX A

Asbestos Survey
October 1, 2013

Ms. April De La Cruz
City of Terrell, Terrell, Texas

Re: Asbestos Survey
City of Terrell, Park Annex
103 9th Street
Terrell, Texas 75160
CTEH Project No. 30200

Ms. De La Cruz:

The Center for Toxicology and Environmental Health (CTEH¹) is pleased to present the results of the asbestos survey of the City of Terrell Park Annex located at 103 9th Street, Terrell, Texas.

CTEH¹ retained FERN Environmental, L.L.C (FERN) to conduct an asbestos survey of the Park Annex on September 25, 2013. A review of FERN’s report and findings indicate that tan tile (12 inch x 12 inch squares) in the central entry hall area contains 2% chrysotile (a form of asbestos). The tile was determined to have an AHERA Classification of 5 - Asbestos Containing Building Material (ACBM) with potential for damage. The ACBM needs to be removed by a Licensed Asbestos Abatement Contractor in the event that there are building renovations that will disturb it.

CTEH¹ agrees with the findings and recommendations of FERN (see attached report). In addition, it is also recommended that maintenance personnel be given awareness level training on asbestos, instructed to not to disturb the ACBM, what to do if it is disturbed, and where it is located in the Park Annex. The Environmental Protection Agency (EPA) has information to assist employers at: http://www2.epa.gov/asbestos/protecting-workers-asbestos#niosh.
We appreciate the opportunity to provide environmental consulting services to the City of Terrell and look forward to assisting you with other projects. If you have any questions or need additional assistance, please call (501) 801-8574.

Sincerely,

CTEH

Laura H. Weems, CSP, CIH
Senior Industrial Hygienist
REPORT OF FINDINGS – FERN ENVIRONMENTAL, L.L.C.
Dear Ms. Weems,

Attached are the results for an asbestos inspection performed in the Park Annex Building at the above referenced site. A material is considered Asbestos-containing if it contains asbestos fibers at a concentration greater than one percent (>1%). The inspector collected samples from accessible, suspect asbestos-containing materials (ACM) in the structure.

Background

Due to the health effects associated with exposure to asbestos dust, Federal and State regulations require the testing of building materials for asbestos content prior to their disturbance. If an asbestos inspection reveals the presence of asbestos-containing materials, they must be properly handled by trained workers prior to renovation or other construction activities. Federal, state and local regulations including Environmental Protection Agency (EPA), Occupational Safety and Health Administration (OSHA) and Texas Department of State Health Services (DSHS) regulations apply to work involving materials that contain asbestos.

Methodology

The inspection was conducted on September 25, 2013, by Greg Lall, an EPA accredited inspector and DSHS Licensed Consultant (Lic. #105216), to identify asbestos-containing materials in the path of proposed construction. Samples were analyzed using Polarized Light Microscopy (PLM) coupled with dispersion staining in accordance with EPA's "Method For The Determination Of Asbestos In Bulk Samples" EPA 600/R-93/116, July 1993.

The inspected facility consisted of a one story building with wood frame, wood walls, drop ceilings with 2’x4’ panels, 1’x1’ ceiling tiles and tiled and carpeted floors on concrete slab.
foundation. Samples were collected from the accessible, suspect ACM and delivered to Environmental Analytical Services, LLC, a licensed laboratory, (DSHS Lic. #30-0373) for analysis.

Building materials such as thermal insulation in pipe chases, and materials behind walls and above fixed ceilings are typically inaccessible to the inspector. These hidden areas are typically accessed after the building is vacated and prior to their disturbance. If new materials are uncovered during renovation or demolition activities, they may be assumed to be ACM and treated as such, or tested for asbestos content at that time.

Results

Asbestos was detected above the regulatory level of one percent in samples collected from the following materials:
- Tan 12”x12” floor tile in the central entry hall area (Approx. 1,100 S.F.)

Table 1 presents a summary of the sample information and the laboratory analysis results. The sample location drawing is attached.

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Sample Description</th>
<th>Lab Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>103-01</td>
<td>Tan 12”x12” floor tile with brown specks / central area</td>
<td>(tile) 2% Chr. (mastic) N.D.</td>
</tr>
<tr>
<td>103-02</td>
<td>Tan 12”x12” floor tile with brown specks / front entry</td>
<td>(tile) 2% Chr. (mastic) N.D.</td>
</tr>
<tr>
<td>103-03</td>
<td>Tan 12”x12” floor tile with brown specks / back entry</td>
<td>(tile) 2% Chr. (mastic) N.D.</td>
</tr>
<tr>
<td>103-04</td>
<td>Tan 12”x12” floor tile / women's restroom</td>
<td>N.D.</td>
</tr>
<tr>
<td>103-05</td>
<td>Tan 12”x12” floor tile / women's restroom</td>
<td>N.D.</td>
</tr>
<tr>
<td>103-06</td>
<td>Tan 12”x12” floor tile / men's restroom</td>
<td>N.D.</td>
</tr>
<tr>
<td>103-07</td>
<td>2’x4’ ceiling panel / conference room at southwest side</td>
<td>N.D.</td>
</tr>
<tr>
<td>103-08</td>
<td>2’x4’ ceiling panel / entry hall</td>
<td>N.D.</td>
</tr>
<tr>
<td>103-09</td>
<td>2’x4’ ceiling panel / kitchen area</td>
<td>N.D.</td>
</tr>
<tr>
<td>103-10</td>
<td>1’x1’ ceiling tile with brown glue / east side</td>
<td>N.D.</td>
</tr>
<tr>
<td>103-11</td>
<td>1’x1’ ceiling tile with brown glue / northeast side</td>
<td>N.D.</td>
</tr>
<tr>
<td>103-12</td>
<td>1’x1’ ceiling tile with brown glue / north side</td>
<td>N.D.</td>
</tr>
</tbody>
</table>

Note: N.D. = Non-Detecting for Asbestos fibers
Chr. = Chrysotile Asbestos Detected
AHERA CLASSIFICATION
In accordance with EPA AHERA regulations (40 CFR 763 Subpart E), ACM identified in a survey should be classified into one of the following categories:

1- Damaged or significantly damaged thermal system insulation ACM
2- Damaged friable surfacing ACM
3- Significantly damaged friable surfacing ACM
4- Damaged or significantly damaged friable miscellaneous ACM
5- ACBM with potential for damage
6- ACBM with potential for significant damage
7- Any remaining friable ACBM or friable suspected ACBM

The AHERA classification for the asbestos-containing floor tile is 5. These materials should be properly removed by licensed asbestos workers prior to any activity that may disturb them. The laboratory analysis report is attached.

These findings have been prepared in accordance with generally accepted practices in the asbestos testing and abatement industry. No other warranties are implied or expressed.

FERN appreciates the opportunity to provide our asbestos consulting services. If there are any questions, please feel free to contact us at (832) 797-3059.

Sincerely,
FERN Environmental, LLC

Gregory M. Lall
DSHS Lic. Consultant #105216

Attachments
LABORATORY ANALYSIS REPORT
Polarized Light Microscopy Analysis
(EPA 600/R-93/116)

Fern Environmental Project: Date Analyzed: September 26, 2013
PO Box 2509 Cypress, TX 77410-2509
Phone: 832-797-3059 Fax: 281-357-8868 Job: FERN13.61 Analysis Time Requested: 24-Hour

<table>
<thead>
<tr>
<th>Sample#</th>
<th>Layer</th>
<th>Sample Description</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos Detected?</th>
<th>Asbestos Mineral Percent</th>
<th>Non-Asbestos Fibers</th>
<th>Non-Fibrous Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>103-01</td>
<td>A</td>
<td>Tan/Brown Floor Tile</td>
<td>YES</td>
<td>YES</td>
<td>2% Chrysotile</td>
<td></td>
<td>98% Other</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Yellow Mastic</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>2% Cellulose</td>
<td>98% Other</td>
</tr>
<tr>
<td>103-02</td>
<td>A</td>
<td>Tan/Brown Floor Tile</td>
<td>YES</td>
<td>YES</td>
<td>2% Chrysotile</td>
<td></td>
<td>98% Other</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Yellow Mastic</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>2% Cellulose</td>
<td>98% Other</td>
</tr>
<tr>
<td>103-03</td>
<td>A</td>
<td>Tan/Brown Floor Tile</td>
<td>YES</td>
<td>YES</td>
<td>2% Chrysotile</td>
<td></td>
<td>98% Other</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Yellow Mastic</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>2% Cellulose</td>
<td>98% Other</td>
</tr>
<tr>
<td>103-04</td>
<td>A</td>
<td>Tan Floor Tile</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td></td>
<td>100% Other</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Yellow Mastic</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>2% Cellulose</td>
<td>98% Other</td>
</tr>
<tr>
<td>103-05</td>
<td>A</td>
<td>Tan Floor Tile</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td></td>
<td>100% Other</td>
</tr>
</tbody>
</table>

NVLAP # 200784-0
TDSHS # 300373
Page 1 of 3

Notes:
Some samples (floor tiles, mastic, etc.) may contain fibers too small to be detectable by PLM. TEM/SEM/EDS analysis of bulk material is recommended in this case. All asbestos percentages are based on calibrated visual estimates in accordance with NIST standards for asbestos types. Analysis percentages fall within a range of acceptable percentages, depending on the actual concentration of asbestos. This test reports results only to the nearest whole. Neither NVLAP nor EPA accreditation implies endorsement by any US Government agency. This report may not be reproduced except in full without written permission from Environmental Analytical Services.

These results are submitted pursuant to EAS current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, NAD will store the samples for a period of thirty (30) days before discarding. Present ranges reported are estimates and not absolute percent range values.

Analyzed by: Arthur Hernandez
Approved Signatory: Arthur Hernandez
Polarized Light Microscopy Analysis  
(EPA 600/R-93/116)

<table>
<thead>
<tr>
<th>Sample#</th>
<th>Layer</th>
<th>Sample Description</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos Detected?</th>
<th>Asbestos Mineral Percent</th>
<th>Non-Asbestos Fibers</th>
<th>Non-Fibrous Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>103-05</td>
<td>B</td>
<td>Yellow Mastic</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>2% Cellulose</td>
<td>98% Other</td>
</tr>
<tr>
<td>103-06</td>
<td>A</td>
<td>Tan Floor Tile</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>100% Other</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Yellow Mastic</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>2% Cellulose</td>
<td>98% Other</td>
</tr>
<tr>
<td>103-07</td>
<td>A</td>
<td>White/Tan Ceiling Tile</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>40% Cellulose 40% Fiberglass</td>
<td>20% Other</td>
</tr>
<tr>
<td>103-08</td>
<td>A</td>
<td>White/Tan Ceiling Tile</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>40% Cellulose 40% Fiberglass</td>
<td>20% Other</td>
</tr>
<tr>
<td>103-09</td>
<td>A</td>
<td>White/Tan Ceiling Tile</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>40% Cellulose 40% Fiberglass</td>
<td>20% Other</td>
</tr>
<tr>
<td>103-10</td>
<td>A</td>
<td>White/Brown Ceiling Tile</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>90% Cellulose 10% Other</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Brown Mastic</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>2% Cellulose</td>
<td>98% Other</td>
</tr>
<tr>
<td>103-11</td>
<td>A</td>
<td>White/Brown Ceiling Tile</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>90% Cellulose 10% Other</td>
<td></td>
</tr>
</tbody>
</table>

NVLAP # 200784-0  
TDSHS # 300373  
Page 2 of 3

Note: Sample(s) (tile, mastic, etc.) may contain fibers too small to be detectable by PLM. 'EM Charnfield analysis of bulk material is recommended in this case. All asbestos percentage results are derived from calibrated visual estimates acceptable to NIST standards for regulated asbestos types. Analysis percentages fall within a range of acceptable percentages, depending on the total concentration of asbestos. This test report relates only to the items stated. Neither NVLAP nor EPA certification implies endorsement by any US Government agency. This report may not be reproduced except in full without written permission from Environmental Analytical Services.

These results are submitted pursuant to RAS current terms and condition of sale, including the company's standard warranty and limitation of liability provisions and no responsibility or liability is assumed for any loss or damage, including but not limited to the products or data provided. SLS will store the samples for a period of ninety (90) days before disposal. Percent ranges reported are estimates and not absolute percent range values.

Analyzed by: Arthur Hernandez  
Approved Signatory: Arthur Hernandez
Polarized Light Microscopy Analysis  
(EPA 600/R-93/116)

Fern Environmental  
PO Box 2509  
Cypress, TX 77410-2509  
Phone: 832-797-3059  
Fax: 281-357-8868

Project: Park Annex  
0113-576  
Date Received: September 26, 2013

Job: FERN13.61  
Attn: Greg Lall  
Analysis Time Requested: 24-Hour

<table>
<thead>
<tr>
<th>Sample#</th>
<th>Layer</th>
<th>Sample Description</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos Detected?</th>
<th>Asbestos Mineral Percent</th>
<th>Non-Asbestos Fibers</th>
<th>Non-Fibrous Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>103-11</td>
<td>B</td>
<td>Brown Mastic</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>2% Cellulose</td>
<td>98% Other</td>
</tr>
<tr>
<td>103-12</td>
<td>A</td>
<td>White/Brown Ceiling Tile</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>90% Cellulose</td>
<td>10% Other</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Brown Mastic</td>
<td>YES</td>
<td>NO</td>
<td>None Detected</td>
<td>2% Cellulose</td>
<td>98% Other</td>
</tr>
</tbody>
</table>

NVLAP # 200784-0  
TDSHS # 300373  
Page 3 of 3

Notes:  
Some samples (floor tiles, wall tiles, etc.) may contain fibers too small to be detectable by FLM. TEM Raman analysis of bulk material is recommended in this case. All asbestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analyses' percentages fall within a range of acceptable percent ranges, depending on the actual concentration of asbestos. This test reports results only to the same tested. Neither NVLAP nor EPA accreditation implies endorsement by any US Government agency. This report may not be reproduced except in full without written permission from Environmental Analytical Services.

These results are submitted pursuant to EAS current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions and no responsibility or liability is sustained for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, EAS will store the samples for a period of thirty (30) days before discarding. Percent ranges reported are estimates and not absolute percent range values.

Analyzed by: Arthur Hernandez  
Approved Signatory: Arthur Hernandez
**Environmental Analytical Services, LLC**

13201 Northwest Freeway Suite 520
Houston, Texas 77040
(713) 343 4017 • Fax (713) 934-9942
E-mail easlabs@aol.com
Lone Star Overnight Account #123757

---

**CHAIN OF CUSTODY**

<table>
<thead>
<tr>
<th>Number &amp; Type of Sample:</th>
<th>Project Number</th>
<th>P.O. Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 PLM</td>
<td>0113 - 576</td>
<td></td>
</tr>
</tbody>
</table>

**Turnaround Time:**
- 2 Hour
- 8 Hour
- 24 Hours
- 2 Day
- 3 Day
- 5 Day (Routine)
- OTHER: 24 Hours

*(Note: All Turnaround Times are Based on the Date / Time the Sample is Received by the Laboratory)*

Contact Person: Greg Lall  
Phone: #832-797-3059  
Fax: #281-357-8868

Special Instructions: E-mail greg@fernenvironmental.com

### Sample Number | Location | Sample Description (See attached description) Volume
---|---|---
103-01 | Central Area | Tan 12"x12" Floor tile w. Brown Speckle
103-02 | Front Entry | 
103-03 | Back Entry | 
103-04 | Women's RR | Tan 12"x12" Floor tile
103-05 | | 
103-06 | Men's RR | 
103-07 | Conf. RM | 2x4' Ceiling Panel
103-08 | Entry Hall | 
103-09 | Kitchen Area | 
103-10 | E. Side | 1x1' Ceiling tile w. Mastic
103-11 | N.E. Side | 
103-12 | N. Side | 

Relinquished By: [Signature] 9-25-13  
Accepted By: [Signature] 9/26/13
SAMPLE LOCATION DRAWING
Appendix B

Maps
Not to Scale

Containment Map

Terrell ISD-Park Annex Building
103 9th Street
Terrell, Texas 75160

ACM Floor Tile- 
Three Stage Decon 
Neg Air Machines

Robert Hines
TOSHS Individual Consultant 
License No. 10-5811 
Expires: 5/12/2020

836 Eastridge Circle, Red Oak, TX 75154
www.dcgenvironmental.com
Appendix C

Licenses
Texas Department of State Health Services

DCG ENVIRONMENTAL LLC DBA DELTA CONSULTING GROUP

is certified to perform as a

Asbestos Consultant Agency

in the State of Texas within the purview of Texas Occupations Codes, chapter 1954, as long as this license is not suspended or revoked
is renewed according to the rules adopted by the Texas Board of Health.

License Number: 100541  Expiration Date: 06/13/2020

Control Number: 97100  (Void After Expiration Date)

John Hellerstedt, M.D.,
Commissioner of Health

VOID IF ALTERED  NON-TRANSFERABLE
COMMISSIONER OF HEALTH
JOHN HELLERSTEIN, M.D.

void if altered, non-transferable

control number: 96179
license number: 300463

Expiration Date: 12/21/2018

in the state of Texas within the purview of Texas Occupations Code, chapter 1974, so long as this license is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.

Asbestos Laboratory
is certified to perform as a

Delta Consulting Group
DCG Environmental LLC

Texas Department of State Health Services