FOR CONTRACT NO.: 06-0H8604

INFORMATION HANDOUT

MATERIALS INFORMATION

FOUNDATION REPORT
AERIALLY DEPOSITED LEAD SITE INVESTIGATION REPORT
ASBESTOS AND LEAD CONTAINING PAINT SURVEY

ROUTE: 5-Ker-11.7 PM

State of California
Department of Transportation

Business, Transportation and Housing Agency

Memorandum

Flex your power!
Be energy efficient!

To: **MR. JOE ESFANDIARY**
Branch Chief
Structural Design Branch 1
Office of Transportation Architecture
Division of Engineering Services

Date: January 14, 2009

File: 06-KER-5 PM 11.9
06-0H8601
Grapevine Truck
Inspection Facility Addition

Attention: Chandra Bapat

From: **DEPARTMENT OF TRANSPORTATION**
DIVISION OF ENGINEERING SERVICES
GEOTECHNICAL SERVICES – MS 5

Subject: Foundation Report

Introduction

Per your request, dated March September 8, 2008, a Foundation Report is prepared to provide geotechnical recommendations for the Grapevine Truck Inspection Facility Addition Project. The project area is located on Interstate 5 at approximately PM 11.9 in Kern County. The address of the facility is 32829 Interstate 5, Lebec, CA 93242. See Plate No. 1 for the Vicinity Map.

Existing Facilities and Proposed Improvements

The Grapevine Truck Inspection Facility currently has existing buildings for truck inspection area and staff offices for filing, storage, and meetings. The project is proposed to construct an addition to the existing facility. The proposed facility improvement includes the extension of the main building to accommodate additional administrative personnel along with remodeling of the existing main office building. The facility addition is proposed to be founded on strip footing along the perimeter wood stud walls and spread footing for steel columns supporting the roof.

Pertinent Reports and Investigations

In preparing this report, the following documents were reviewed:

1. California Building Code (2007 Edition).
2. USGS Earthquake Ground Motion Parameter: http://earthquake.usgs.gov/research/hazmaps/design/
3. Three Cone Penetration soundings (CPT), performed on Oct 21, 2008, at the proposed site.
4. Geologic Map of California – Los Angeles sheet (California Division of Mines and Geology, 1969).
5. Site Plan, Floor Plan, Foundation Plan, and Sections, provided by Division of Engineering Services, Office of Transportation Architecture.
6. As-built LOTB's: Grapevine Undercrossing (Br. 50-194), dated December 1957; Service Road Overcrossing (Br. 50-322), dated May 31, 1966; California Aqueduct Bridge (Br. 50-321), dated May 31, 1966.

Geology and Seismicity

The California Department of Conservation, Division of Mines and Geology Geologic Map of California, Los Angeles sheet, 1969, was used to determine the geologic formations in the project location. A section from these maps showing the project location is attached as Plate No. 2, Geology Map. The project location is mapped as being in an area of recent alluvial fan deposits (Qf) formed during the Quaternary Period of the Cenozoic Era, between 10 thousand and 1.6 million years ago.

The following seismic design parameters are in accordance to the 2007 California Building Code:

- Site Class: D
- Mapped spectral accelerations for short periods (S_s): 1.5g
- Mapped spectral accelerations for a 1-section period (S_1): 0.75g

- Surface Displacement from Fault Rupture: None

Field Investigation

Field investigation was performed on September 24, 2008, and three in-situ Cone Penetration Tests (CPT's) were performed on October 21, 2008. CPT soundings were advanced to the maximum depth of 22.7 ft. Geotechnical analyses performed for this project are base on findings from these investigations.

Geotechnical Conditions

According to CPT Soundings and a site visit on October 21, 2008, the site is underlain by alluvial fan deposits which consist of fine to coarse grained, medium dense to very dense silt, sand, gravels, and mixtures thereof. For the preparation of this report, we have assumed similar soil conditions in the vicinity of the proposed construction.

Ground Water Condition

Since the project site is not located in a populated area within the San Joaquin Valley, no Department of Water Resources (DWR) monitoring well is installed near the project area; therefore, no DWR record of groundwater levels was used. Groundwater was not encountered during CPT testing. According to three as-built LOTB's, no groundwater was encountered during the time and extend of those subsurface exploration. Based on the above evidence, groundwater is approximated to be deeper than 10 ft. Groundwater is not likely to be encountered during construction.

Liquefaction

Due to the low potential for groundwater, liquefaction potential is considered to be low.

Frost Depth

According to the Kern County engineering department, there is no frost concern within the proposed area.

Foundation Recommendations

Footing

According to the Foundation Plan provided by Office of Transportation Architecture, the proposed structure will be supported on 2-ft- and 2.5-ft-wide strip footings and 4.5 x 4.5 ft spread footings. An allowable bearing pressure of 1.0 tsf (2000 psf) can be used. The spread footings should be embedded at least 2 feet below existing ground surface or the lowest of adjacent finished grade.

Lateral Pressures

Per Office of Transportation Architecture, soil lateral pressure analyses are to be performed by Structure Designer.

Moisture Barrier

A vinyl membrane with a minimum thickness of 6 mils should be placed over 4 inches of draining granular materials. The membrane should be covered by 3 inches of sand to aid in a uniform concrete cure.

Slope Stability

The Facility addition is proposed to be built on a relatively flat surface. There is no potential for slop instability.

Settlement

The estimated total and differential settlement is less than 0.5 inch.

Corrosive Soil Consideration

Corrosion test was performed on a sample obtained from 0 to 5 ft below ground surface. The Minimum Resistivity is tested to be 2530 ohm-cm and pH is 6.96. The site is determined to be non-corrosive for foundation element.

Construction Considerations

Spreading footing should be placed on firm soil. If non-suitable materials are encountered during construction, these materials should be removed and re-compacted, or the footing elevation may be lowered to a firm base. If un-anticipated geological conditions are encountered during excavation of the footing, the Office of Geotechnical Design – North should be contacted for more recommendations.

Project Information

Standard Special Provision S5-280, "Project Information", discloses to bidders and contractors a list of pertinent information available for their inspection prior to bid opening. The following is an excerpt from SSP S5-280 disclosing information originating from Geotechnical Services. Items listed to be included in the Information Handout will be provided in Acrobat (.pdf) format to the addressee(s) of this report via electronic mail.

Data and information attached with the project plans are:

LOTB for Grapevine Truck Inspection Facility.

Data and information included in the Information Handout provided to the bidders and contractors are:

Foundation Report for EA 06-0H8601, dated January 14, 2009.

Data and information available for inspection at the District Office:

None.

Data and information available for inspection at the Transportation Laboratory are:
None.

If any changes to the structure are proposed during the final project design, the Office of Geotechnical Design – North should review those changes to determine if the foundation recommendation herein still applies.

A full-sized Log of Test Boring (LOTB) which is to be incorporated into the project plans is being prepared by Geotechnical Services, Office of Geotechnical Support Branch D – Contracts, Graphics & Records, and will be forwarded when completed. Mrs. Irma Gamarra-Remmen of the Contracts, Graphic & Records branch may be contacted directly for information on the LOTB.

If you have any questions or comments, please call Carolyn Zhen at (916) 227-1055 or John Huang at (916) 227-1037.

Report by:
CAROLYN ZHEN
Transportation Engineer, Civil
Office of Geotechnical Design – North
Branch E

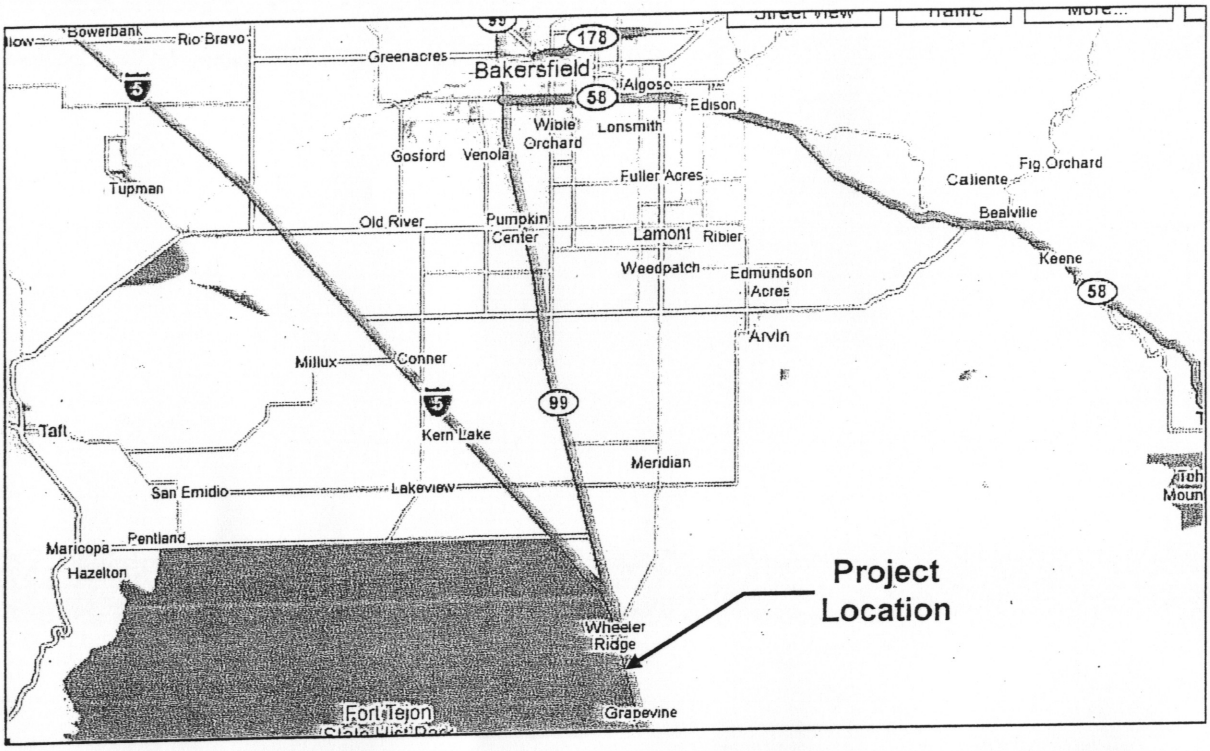
Signed by:
JOHN HUANG, P.E.
Senior Materials and Research Engineer
Office of Geotechnical Design – North
Branch E

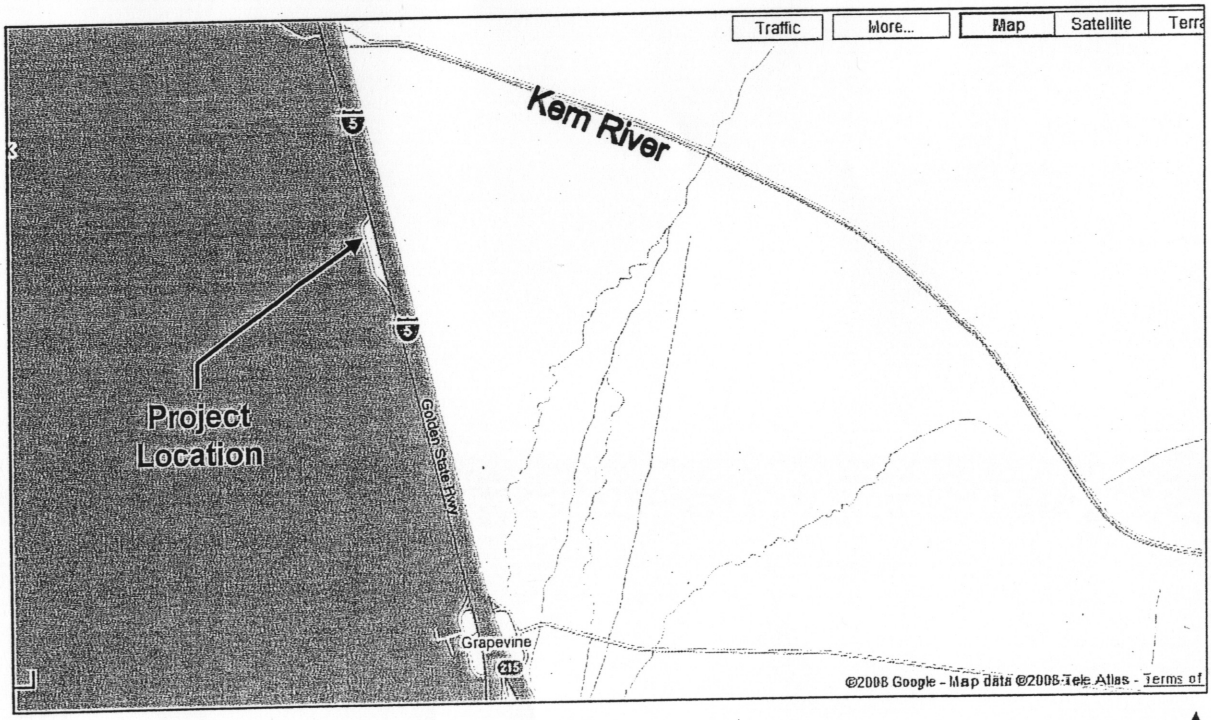
ATTACHMENTS:

Plate 1 – Vicinity Map
Plate 2 – Geology Map

Site Plan (for CPT Locations)
CPT Results (3 sheets)

c: R. E. Pending
Structure OE
PCE (E-copy)
DME (E-copy)
GDN File
GS File Room





CALTRANS
Division of Engineering Services
Geotechnical Services
Office of Geotechnical Design - North

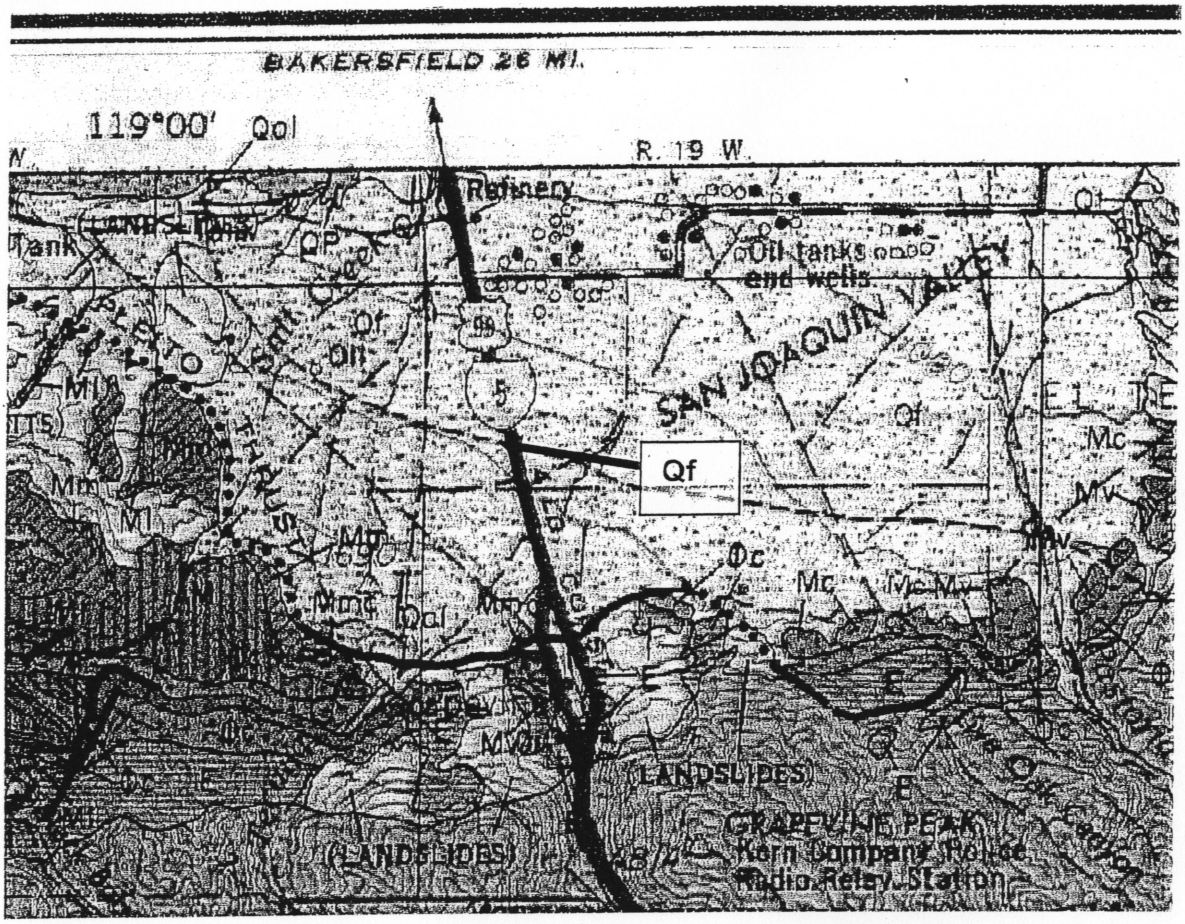
EA: 06-0H8601

Date: Jan 2009

VICINITY MAP

06-KER-5 PM 11.9
FOUNDATION REPORT

Plate No. 1



Geology base map from California Division of Mines and Geology – Geologic Map of California, Los Angeles sheet, dated 1969

Explanation of Relevant Formations:

Qf –Recent Alluvial Fan Deposits in The Great Valley – Sediments deposits from streams emerging from high lands surrounding the Great Valley.

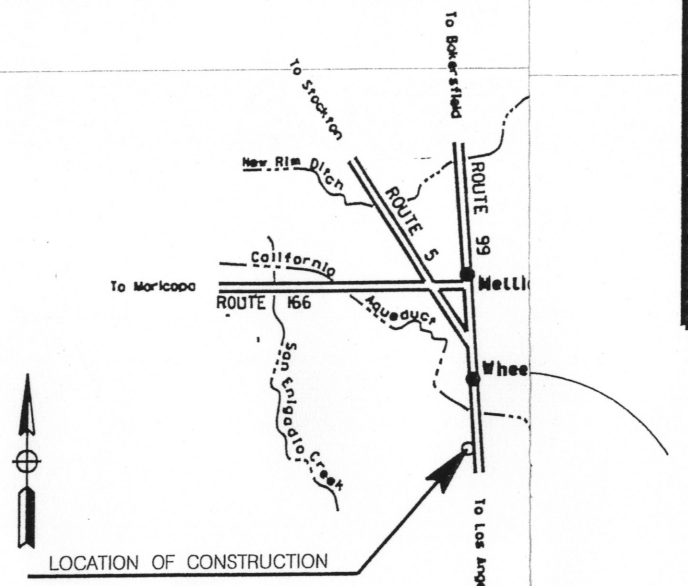
CALTRANS Division of Engineering Services Geotechnical Services Office of Geotechnical Design - North	EA: 06-0H8601 Date: Jan 2009	**GEOLOGY MAP**	
	06-KER-PM 11.9 FOUNDATION REPORT		Plate No. 2

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	5		X	X

LICENSED ARCHITECT DATE

LICENSED ARCHITECT
DOUG LOWE
No. C-15341
Exp. 06-30-09
STATE OF CALIFORNIA

PLANS APPROVAL DATE



REROOF FOR ENTIRE FACILITY

REMOVE EXIST RESTROOMS. WILL NEED A MAT REPORT.

EXISTING TRUCK INSPECTION FACILITY

SCOPE AND SQUARE FOOTAGES

NOTE: THIS IS A REMODEL TO AN EXISTING B OCCUPANCY WITH AN ADDITION OF 1,944 S.F.

INSPECTION BAY	
EXISTING TOTAL	6,719 S.F.
REROOF (ENTIRE)	6,088 S.F.
OFFICE WING	
EXISTING TOTAL	2,770 S.F.
REROOF (EXISTING)	4,058 S.F.
OFFICE EXISTING (TO BE REMODELED)	1,461 S.F.
NEW OFFICE ADDITION	1,944 S.F.
REROOF (ADDITION)	2,274 S.F.

PLAN NORTH

GRAPEVINE TRUCK INSPECTION FACILITY

SITE PLAN

SHEET A0-1

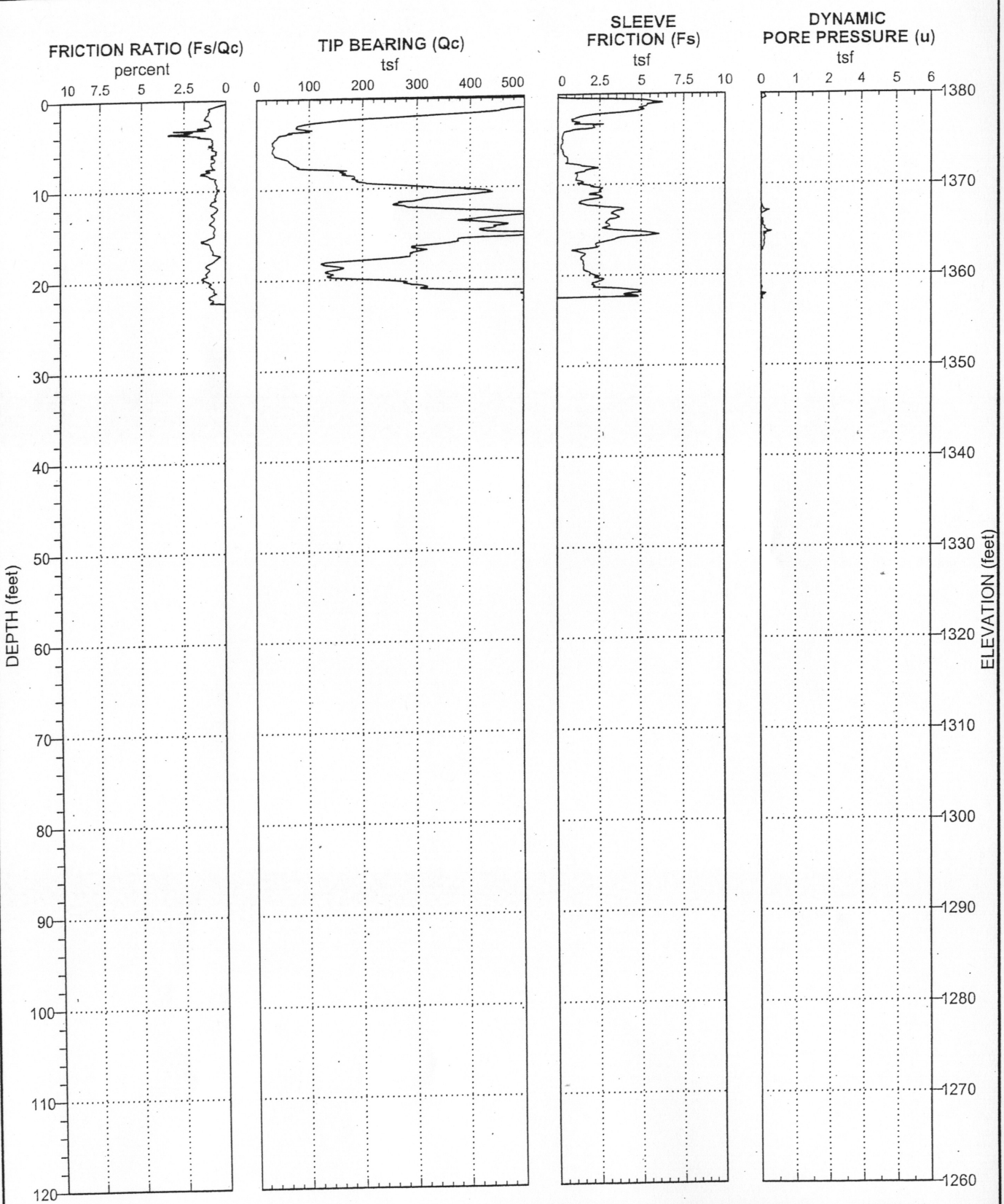
$REQUEST
DS OSD Imperial Rev. 11/98 $DATE $TIME

ITS BEARING ON DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET X OF X

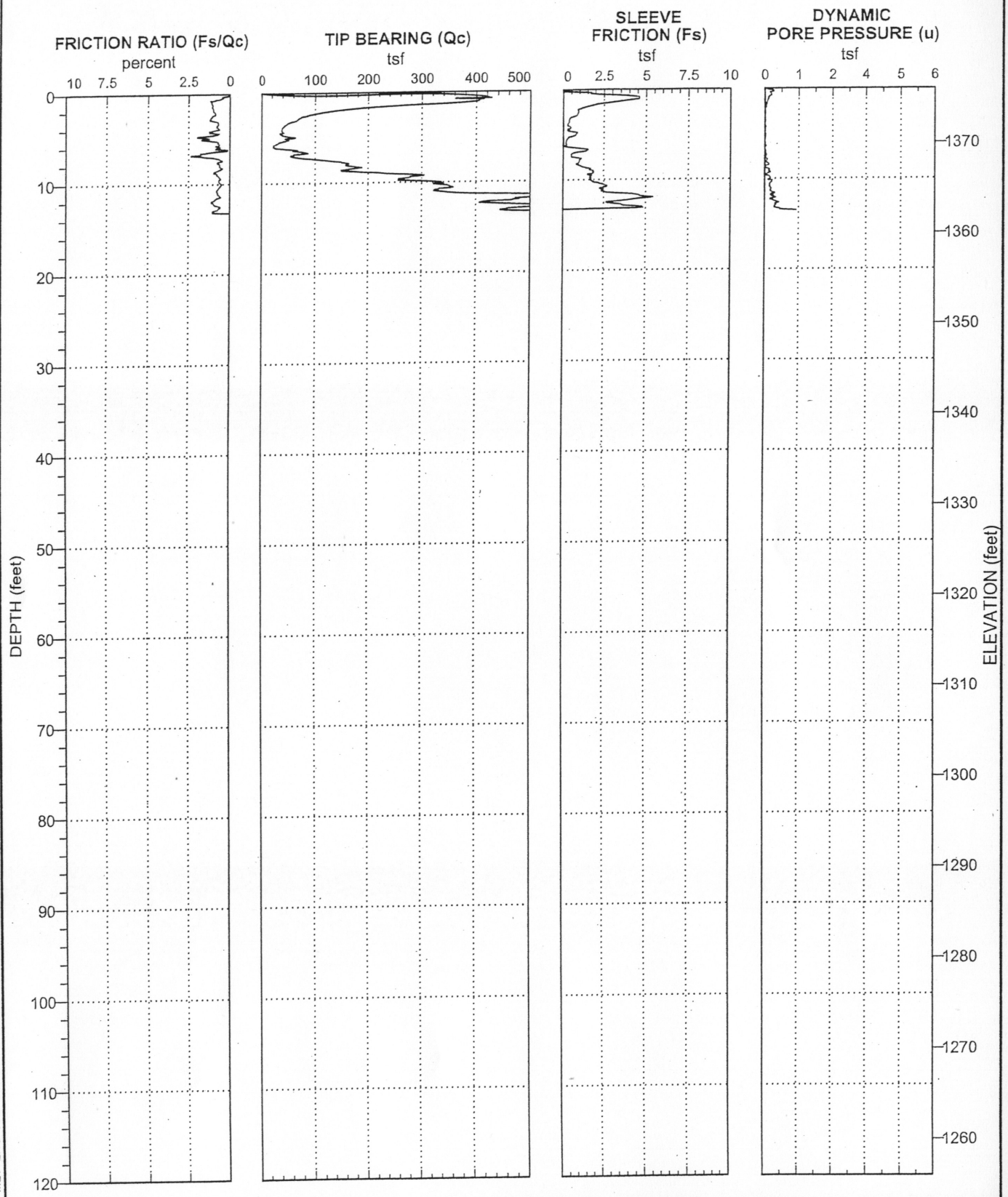
$REQUEST



CALTRANS CPT RECORD MET+ENG 06-0H8601 CPT LOTB.GPJ CALTRANS LIBRARY 040808.GLB 1/13/09

Department of Transportation
Division of Engineering Services
Geotechnical Services
Office of Geotechnical Design - North

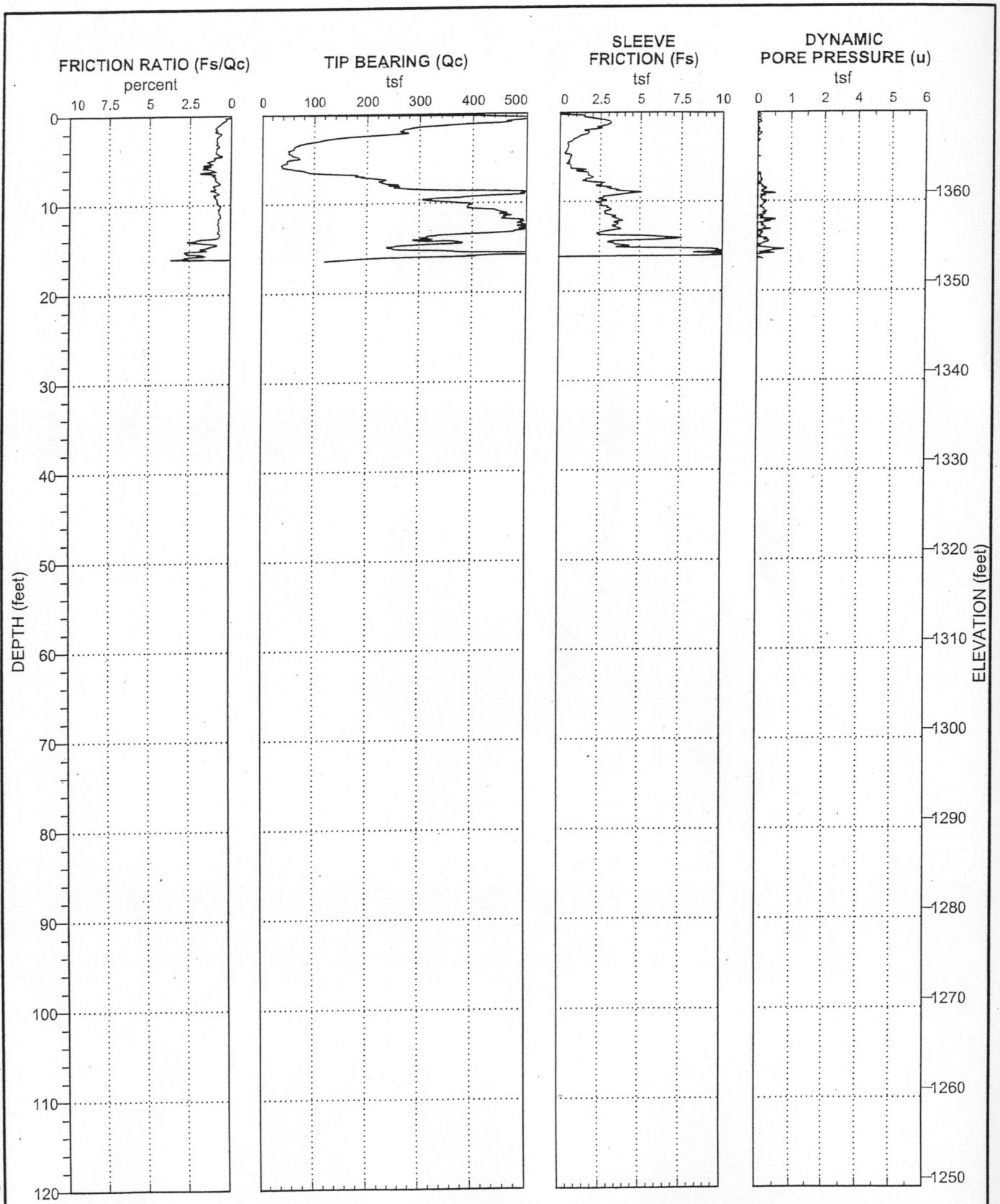
REPORT TITLE				HOLE ID
BORING RECORD				CPT-08-1
DIST.	COUNTY	ROUTE	POSTMILE	EA
06	Kern	5	T11.9/T11.9	06-0H8601
PROJECT OR BRIDGE NAME: Grapvine Truck Inspection Facility				
BRIDGE NUMBER	PREPARED BY		DATE	SHEET
			10-21-08	1 of 1



CALTRANS CPT RECORD MET+ENG 06-0H8601 CPT LOTB.GPJ CALTRANS LIBRARY 040808.GLB 1/13/09

Department of Transportation
Division of Engineering Services
Geotechnical Services
Office of Geotechnical Design - North

REPORT TITLE				HOLE ID
BORING RECORD				CPT-08-2
DIST.	COUNTY	ROUTE	POSTMILE	EA
06	Kern	5	T11.9/T11.9	06-0H8601
PROJECT OR BRIDGE NAME: Grapvine Truck Inspection Facility				
BRIDGE NUMBER	PREPARED BY		DATE	SHEET
			10-21-08	1 of 1



CALTRANS CPT RECORD MET+ENG 06-0H8601 CPT LOTB.GPJ CALTRANS LIBRARY 040808.GLB 1/13/09

Department of Transportation
Division of Engineering Services
Geotechnical Services
Office of Geotechnical Design - North

REPORT TITLE				HOLE ID
BORING RECORD				CPT-08-3
DIST.	COUNTY	ROUTE	POSTMILE	EA
06	Kern	5	T11.9/T11.9	06-0H8601
PROJECT OR BRIDGE NAME: Grapvine Trück Inspection Facility				
BRIDGE NUMBER	PREPARED BY		DATE	SHEET
			10-21-08	1 of 1

AERIALLY DEPOSITED LEAD SITE INVESTIGATION REPORT

Commercial Enforcement Center (Weigh Station) and Truck Inspection Facility Grapevine, Kern County, California

PREPARED FOR:

CALIFORNIA DEPARTMENT OF TRANSPORTATION
DISTRICT 6
2015 E. SHIELDS AVENUE, SUITE 100
FRESNO, CALIFORNIA 93726

PREPARED BY:

GEOCON CONSULTANTS, INC.
3160 GOLD VALLEY DRIVE, SUITE 800
RANCHO CORDOVA, CALIFORNIA 95742

GEOCON PROJECT NO. S9200-06-65
TASK ORDER NO. 65, EA NO. 06-0H8601

MAY 2009

GEOCON
CONSULTANTS, INC.
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. S9200-06-65
May 22, 2009

Mr. Shawn Ogletree
California Department of Transportation – District 6
Hazardous Waste Branch
2015 E. Shields Avenue, Suite 100
Fresno, California 93726

Subject: COMMERCIAL ENFORCEMENT CENTER (WEIGH STATION) AND TRUCK INSPECTION FACILITY
GRAPEVINE, KERN COUNTY, CALIFORNIA
CONTRACT NO. 06A1141
TASK ORDER NO. 65, EA 06-0H8601
AERIALLY DEPOSITED LEAD SITE INVESTIGATION REPORT

Dear Mr. Ogletree:

In accordance with California Department of Transportation (Caltrans) Contract No. 06A1141, Task Order No. 65 and Expense Authorization No. 06-0H8601, we have performed environmental engineering services for the subject project. The Site consists of Caltrans right-of-way planned for roadway improvements at the commercial enforcement center (weigh station) and truck inspection facility (TIF) in Grapevine, Kern County, California. The accompanying report summarizes the services performed including the advancement of 30 hand-auger borings for shallow soil sampling and laboratory testing for aerially deposited lead. The results of our asbestos and lead-containing paint survey of the weigh station/TIF main office building has been submitted under separate cover.

The contents of this report reflect the views of the author, who is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the State of California or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation.

Please contact us if there are any questions concerning this report or if we may be of further service.

Sincerely,

GEOCON CONSULTANTS, INC.

Gemma G. Reblando
Project Geologist

Michael Conkle, PG
Project Manager

PROFESSIONAL GEOLOGIST
MICHAEL P. CONKLE
NO. 7624
Exp. 9/30/10
STATE OF CALIFORNIA

GGR:MC:jaj

(4 + 2 CDs) Addressee

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AERIALLY DEPOSITED LEAD SITE INVESTIGATION REPORT Page

AERIALLY DEPOSITED LEAD SITE INVESTIGATION REPORT

1.0 INTRODUCTION

This Aerially Deposited Lead (ADL) Site Investigation report for the Commercial Enforcement Center (Weigh Station) and Truck Inspection Facility (TIF) project was prepared by Geocon Consultants, Inc. under California Department of Transportation (Caltrans) Contract No. 06A1141, Task Order Number (TO) 65, and Expense Authorization (EA) 06-0H8601.

1.1 Project Description and Proposed Improvements

The project area consists of the unpaved areas within the weigh station/TIF on the southbound side of Interstate 5 (I-5) (the Site) in Grapevine, Kern County, California. Caltrans proposes to improve the existing facility at the Site, which will include extending and remodeling the main office building and adding a sidewalk. Caltrans also proposes to remove and replace the existing facility parking area. The approximate project location is depicted on the Vicinity Map, Figure 1 and Site Plan, Figure 2.

1.2 General Objectives

The purpose of the scope of services outlined in TO No. 65 was to provide a preliminary evaluation of whether impacts due to aerial lead deposition from motor vehicle exhaust in the vicinity of the existing weigh station/truck inspection facility exist in the surface and near surface soils within the project boundaries. The investigative results will be used by Caltrans for preliminary planning purposes and to inform the construction contractor(s) if lead-impacted soil is present within the project boundaries for health, safety, management and disposal evaluation purposes.

Our asbestos and lead-containing paint survey for the existing weigh station/TIF was submitted under separate cover.

2.0 BACKGROUND

2.1 Potential Lead Soil Impacts

Ongoing testing by Caltrans throughout California has indicated that ADL exists along major freeway routes due to emissions from vehicles powered by leaded gasoline.

2.2 Hazardous Waste Determination Criteria

Regulatory criteria to classify a waste as "California hazardous" for handling and disposal purposes are contained in the California Code of Regulations (CCR), Title 22, Division 4.5, Chapter 11, Article 3, § 66261.24. Criteria to classify a waste as "Resource, Conservation, and Recovery Act (RCRA) hazardous" are contained in Chapter 40 of the Code of Federal Regulations (40 CFR), Section 261.

For waste containing metals, the waste is classified as California hazardous when: 1) the total metal content exceeds the respective Total Threshold Limit Concentration (TTLC); or 2) the soluble metal content exceeds the respective Soluble Threshold Limit Concentration (STLC) based on the standard Waste Extraction Test (WET). A waste may have the potential of exceeding the STLC when the waste's total metal content is greater than or equal to ten times the respective STLC value, since the WET uses a 1:10 dilution ratio. Hence, when a total metal is detected at a concentration greater than or equal to ten times the respective STLC, and assuming that 100 percent of the total metals are soluble, soluble metal analysis is required. A material is classified as RCRA hazardous, or Federal hazardous, when the soluble metal content exceeds the Federal regulatory level based on the Toxicity Characteristic Leaching Procedure (TCLP). The TTLC value for lead is 1,000 milligrams per kilogram (mg/kg). The STLC and TCLP values for lead are both 5.0 milligrams per liter (mg/l).

The above regulatory criteria are based on chemical concentrations. Wastes may also be classified as hazardous based on other criteria such as ignitability and corrosivity; however, for the purposes of this investigation, toxicity (i.e., lead concentrations) is the primary factor considered for waste classification since waste generated during the construction activities would not likely warrant testing for ignitability or corrosivity. Waste that is classified as either California-hazardous or RCRA-hazardous requires management as a hazardous waste.

The Department of Toxic Substances Control (DTSC) regulates and interprets hazardous waste laws in California. DTSC generally considers excavated or transported materials that exhibit "hazardous waste" characteristics to be a "waste" requiring proper management, treatment and disposal. Soil that contains lead above hazardous waste thresholds and is left in-place would not be necessarily classified by DTSC as a "waste." The DTSC has provided site-specific determinations that "movement of wastes within an area of contamination does not constitute "land disposal" and, thus, does not trigger hazardous waste disposal requirements." Therefore, lead-impacted soil that is scarified in-place, moisture-conditioned, and recompacted during roadway improvement activities might not be considered a "waste." DTSC should be consulted to confirm waste classification. It is noted that in addition to DTSC regulations, health and safety requirements and other local agency requirements may also apply to the handling and disposal of lead-impacted soil.

3.0 SCOPE OF SERVICES

We performed the following scope of services as requested by Caltrans in TO No. 65:

3.1 Pre-field Activities

- Conducted a TO meeting on April 1, 2009, to identify and observe the project boundaries and conditions. Caltrans representative Shawn Ogletree and Geocon representatives Michael Conkle

and David Watts attended the meeting. The project limits were further outlined with white paint for subsequent utility clearance.

- Prepared a *Workplan* dated April 21, 2009, which described the requested scope of services and quality assurance/quality control (QA/QC) sampling and laboratory procedures.
- Prepared a *Health and Safety Plan* dated March 20, 2009, to provide guidelines on the use of personal protective equipment and the health and safety procedures implemented during the field activities.
- Provided at least 48-hour notification to Underground Service Alert prior to job site mobilization.
- Retained the services of Advanced Technology Laboratories (ATL) to perform the chemical analysis of soil samples.

3.2 Field Activities

The field activities consisted of collecting soil samples within the weigh station/TIF on the southbound side of I-5. On April 16, 2009, 60 soil samples were collected from 30 hand-auger borings (B1 through B30) at the Caltrans designated soil sampling locations. The soil borings were excavated to an approximate maximum sampling depth of 1.0 foot. The soil samples were collected at general depths of 0 to 0.5 foot and 0.5 to 1.0 foot.

4.0 INVESTIGATIVE METHODS

4.1 Boring Location Rationale

The soil boring locations were designated by Caltrans in the vicinity of proposed improvements. The approximate boring locations are depicted on Figure 2.

The boring location coordinates were determined using a differential global positioning system (GPS). The GPS was utilized during the field activities to locate the horizontal position with an error of no more than 3.3 feet. The latitude and longitude boring coordinates are summarized on Table 1.

4.2 Soil Sampling Procedures

Soil samples were collected using a hand-auger and transferred directly to re-sealable plastic bags. The soil samples were field homogenized within the sample bags and subsequently labeled, placed in an ice chest, and delivered to ATL for analytical testing under chain-of-custody (COC) documentation.

QA/QC procedures were performed during the field exploration activities. These procedures included decontamination of sampling equipment before each boring was advanced and providing COC documentation for each sample submitted to the laboratory. The soil sampling equipment was cleansed between each boring by washing the equipment with an Alconox™ solution followed by a double rinse with deionized water.

The borings were backfilled with the excess soil cuttings generated at each boring. The decontamination water was discharged to the ground surface away from surface water bodies or storm drain inlets.

4.3 Traffic Control

We provided traffic control signs and orange traffic cones during the field sampling activities.

4.4 Laboratory Analysis

The soil samples collected within the project boundaries were submitted to ATL for the following analyses under ten-day turn-around-time (TAT). The laboratory was instructed to homogenize the soil samples prior to analysis in accordance with Contract 06A1141 requirements.

Sixty soil samples were analyzed for total lead following United States Environmental Protection Agency (EPA) Test Method 6010B.

4.5 Quality Assurance/Quality Control

QA/QC procedures were performed for each method of analysis with specificity for each analyte listed in the test method's QA/QC. The laboratory QA/QC procedures included the following:

- One method blank for every ten samples, batch of samples or type of matrix, whichever was more frequent.
- One sample analyzed in duplicate for every ten samples, batch of samples or type of matrix, whichever was more frequent.
- One spiked sample for every ten samples, batch of samples or type of matrix, whichever was more frequent, with the spike made at ten times the detection limit or at the analyte level.

Prior to submitting the soil samples to the laboratory, the COC documentation was reviewed for accuracy and completeness. Reproductions of the laboratory reports and COC documentation are presented in Appendix A.

5.0 FIELD OBSERVATIONS AND INVESTIGATIVE RESULTS

5.1 Site Conditions

Soil encountered during the excavation of borings was generally comprised of brown, silty sand with gravel to the maximum sampling depth of approximately 1.0 foot. Groundwater was not encountered during the excavation of the soil borings.

5.2 Soil Analytical Results

Total lead was detected in 28 of the 60 soil samples analyzed at concentrations ranging from 5.0 to 26 mg/kg. None of the 60 soil samples had reported total lead concentrations greater than or equal to 50 mg/kg (ten times the STLC value for lead of 5.0 mg/l).

A summary of the soil analytical results is presented on Table 1. The laboratory reports and COC documentation are presented in Appendix A.

5.3 Laboratory QA/QC

We reviewed the laboratory QA/QC provided with the laboratory reports. The data show acceptable surrogate recoveries and relative percent differences for the matrix spikes and matrix spikes duplicates and non-detect results for the method blanks. Based on this limited data review, no additional qualifications of the soil data are necessary, and the data are of sufficient quality for the purposes of this report.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 ADL

Soil materials excavated to the maximum sampling depth of 1.0 foot within the project boundaries will not require special soil handling and disposal procedures based on lead content and can be reused or disposed as non-hazardous soil since the total lead concentrations are less than 50 mg/kg.

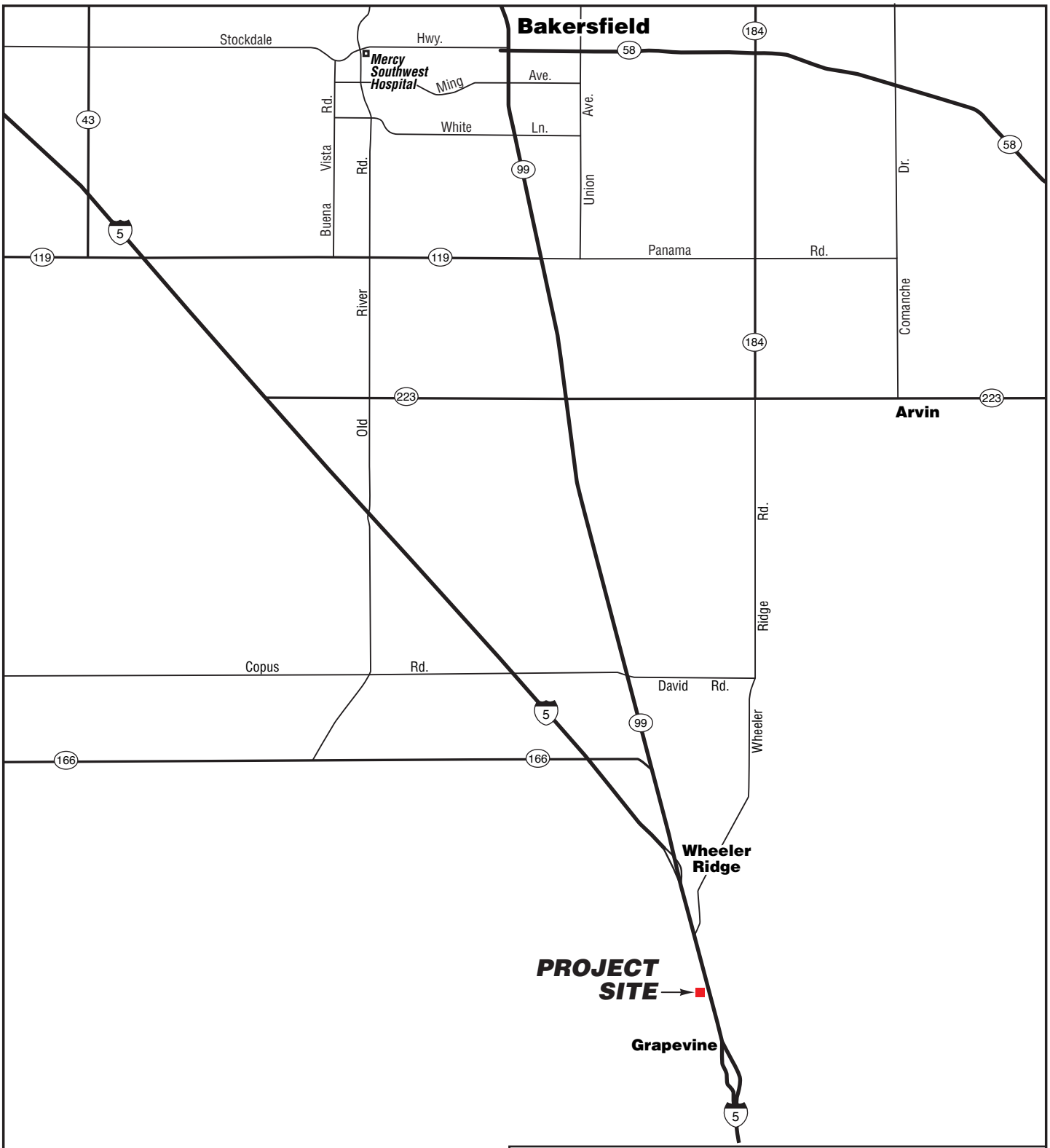
6.2 Worker Protection

Per Caltrans' requirements, the contractor(s) should prepare a project-specific Lead Compliance Plan (CCR Title 8, Section 1532.1, the "Lead in Construction" standard) to minimize worker exposure to lead-impacted soil. The plan should include protocols for environmental and personnel monitoring, requirements for personal protective equipment, and other health and safety protocols and procedures for the handling of lead-impacted soil.

7.0 REPORT LIMITATIONS

This report has been prepared exclusively for Caltrans. The information contained herein is only valid as of the date of the report and will require an update to reflect additional information obtained.

This report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing performed. In addition, the information obtained is not intended to address potential impacts related to sources other than those specified herein. Therefore, the report should be deemed conclusive with respect to only the information obtained. We make no warranty, express or implied, with respect to the content of this report or any subsequent reports, correspondence or consultation. We strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.



N

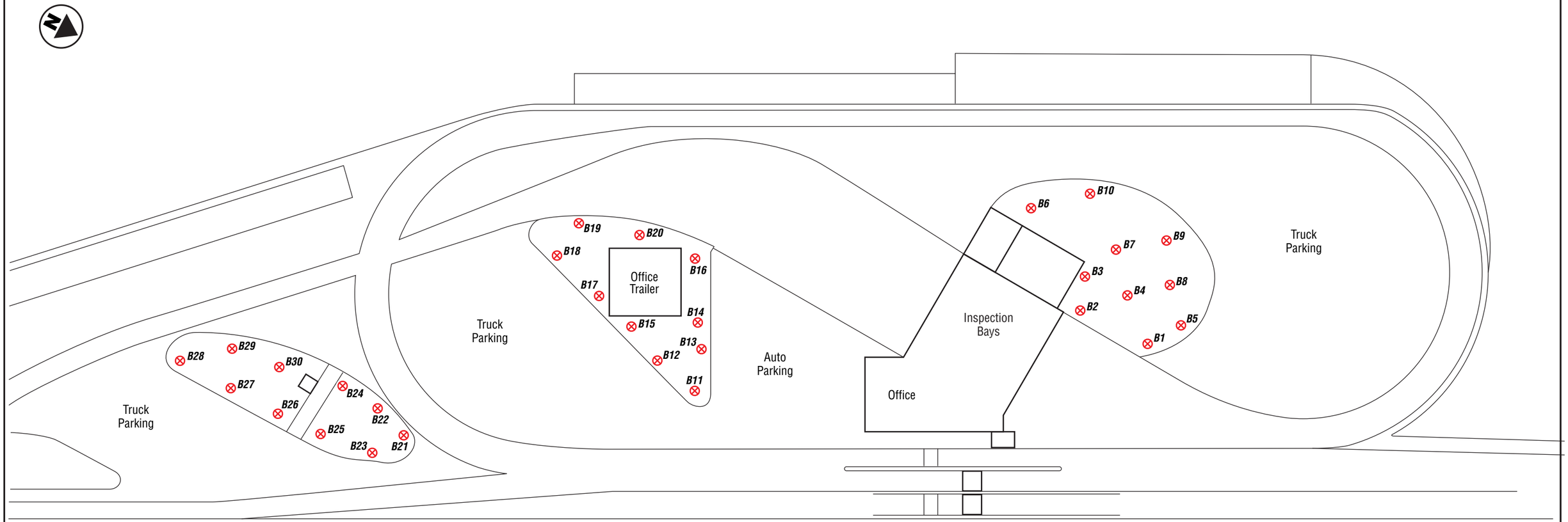
0 5

Scale in Miles

GEOCON
CONSULTANTS, INC.
3160 GOLD VALLEY DR. – SUITE 800 - RANCHO CORDOVA, CA. 95742
PHONE 916 852-9118 – FAX 916 852-9132

Commercial Enforcement Center (Weigh Station) and Truck Inspection Facility

Kern County, California	**VICINITY MAP**	
GEOCON Proj. No. S9200-06-65		
Task Order No. 65, EA 06-0H8601	May 2009	Figure 1



LEGEND:

B1 ⊗ Approximate Boring Location

0 60

Scale in Feet

GEOCON
CONSULTANTS, INC.
3160 GOLD VALLEY DR. – SUITE 800 - RANCHO CORDOVA, CA. 95742
PHONE 916 852-9118 – FAX 916 852-9132

Commercial Enforcement Center (Weigh Station)
and Truck Inspection Facility

Kern County, California	**SITE PLAN**	
GEOCON Proj. No. S9200-06-65		
Task Order No. 65, EA 06-0H8601	May 2009	Figure 2

TABLE 1

SUMMARY OF SOIL BORING COORDINATES AND LEAD ANALYTICAL DATA

COMMERCIAL ENFORCEMENT CENTER (WEIGH STATION) AND TRUCK INSPECTION FACILITY

GRAPEVINE, KERN COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)
B1-0.5	4/16/2009	34.96103	-118.93805	6.1
B1-1	4/16/2009			6.3
B2-0.5	4/16/2009	34.96095	-118.93810	<5.0
B2-1	4/16/2009			<5.0
B3-0.5	4/16/2009	34.96082	-118.93811	<5.0
B3-1	4/16/2009			<5.0
B4-0.5	4/16/2009	34.96086	-118.93811	<5.0
B4-1	4/16/2009			<5.0
B5-0.5	4/16/2009	34.96099	-118.93814	7.3
B5-1	4/16/2009			7.5
B6-0.5	4/16/2009	34.96081	-118.93821	<5.0
B6-1	4/16/2009			6.4
B7-0.5	4/16/2009	34.96092	-118.93826	14
B7-1	4/16/2009			<5.0
B8-0.5	4/16/2009	34.96099	-118.93825	5.8
B8-1	4/16/2009			<5.0
B9-0.5	4/16/2009	34.96097	-118.93833	<5.0
B9-1	4/16/2009			<5.0
B10-0.5	4/16/2009	34.96082	-118.93832	<5.0
B10-1	4/16/2009			<5.0
B11-0.5	4/16/2009	34.96026	-118.93780	<5.0
B11-1	4/16/2009			<5.0
B12-0.5	4/16/2009	34.96024	-118.93781	5.7
B12-1	4/16/2009			6.7
B13-0.5	4/16/2009	34.96020	-118.93783	9.3
B13-1	4/16/2009			11
B14-0.5	4/16/2009	34.96020	-118.93784	9.5
B14-1	4/16/2009			7.0
B15-0.5	4/16/2009	34.96018	-118.93784	8.5
B15-1	4/16/2009			26
B16-0.5	4/16/2009	34.96017	-118.93787	7.8
B16-1	4/16/2009			<5.0
B17-0.5	4/16/2009	34.96007	-118.93786	5.7
B17-1	4/16/2009			8.7
B18-0.5	4/16/2009	34.96006	-118.93792	8.2
B18-1	4/16/2009			11

TABLE 1

SUMMARY OF SOIL BORING COORDINATES AND LEAD ANALYTICAL DATA

COMMERCIAL ENFORCEMENT CENTER (WEIGH STATION) AND TRUCK INSPECTION FACILITY

GRAPEVINE, KERN COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)
B19-0.5	4/16/2009	34.96005	-118.93800	6.0
B19-1	4/16/2009			<5.0
B20-0.5	4/16/2009	34.96013	-118.93795	23
B20-1	4/16/2009			10
B21-0.5	4/16/2009	34.95985	-118.93745	<5.0
B21-1	4/16/2009			<5.0
B22-0.5	4/16/2009	34.95980	-118.93745	<5.0
B22-1	4/16/2009			6.0
B23-0.5	4/16/2009	34.95976	-118.93739	5.8
B23-1	4/16/2009			6.0
B24-0.5	4/16/2009	34.95973	-118.93753	<5.0
B24-1	4/16/2009			<5.0
B25-0.5	4/16/2009	34.95973	-118.93742	<5.0
B25-1	4/16/2009			<5.0
B26-0.5	4/16/2009	34.95967	-118.93743	6.8
B26-1	4/16/2009			<5.0
B27-0.5	4/16/2009	34.95958	-118.93748	<5.0
B27-1	4/16/2009			<5.0
B28-0.5	4/16/2009	34.95946	-118.93755	5.0
B28-1	4/16/2009			<5.0
B29-0.5	4/16/2009	34.95955	-118.93755	<5.0
B29-1	4/16/2009			<5.0
B30-0.5	4/16/2009	34.95967	-118.93756	<5.0
B30-1	4/16/2009			<5.0

Notes: B1-0.5

- Sample depth in feet below ground surface
- Boring identification

mg/kg = Milligrams per kilogram

< = Less than the laboratory test method reporting limits

APPENDIX A

April 24, 2009

Mike Conkle
Geocon Consultants, Inc.
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 105100

RE: Grapevine Truck Inspection Area, S9200-06-65

Attention: Mike Conkle

Enclosed are the results for sample(s) received on April 17, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie F. Rodriguez
Laboratory Director

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/24/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105100
Project:	Grapevine Truck Inspection Area, S9200-06-65	**Date Received**	4/17/2009 12:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105100-001A	B1-0.5	6.1	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-002A	B1-1	6.3	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-003A	B2-0.5	ND	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-004A	B2-1	ND	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-005A	B3-0.5	ND	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-006A	B3-1	ND	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-007A	B4-0.5	ND	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-008A	B4-1	ND	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-009A	B5-0.5	7.3	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-010A	B5-1	7.5	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-011A	B6-0.5	ND	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-012A	B6-1	6.4	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-013A	B7-0.5	14	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-014A	B7-1	ND	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-015A	B8-0.5	5.8	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-016A	B8-1	ND	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-017A	B9-0.5	ND	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-018A	B9-1	ND	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: 4/24/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105100
Project:	Grapevine Truck Inspection Area, S9200-06-65	**Date Received**	4/17/2009 12:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105100-019A	B10-0.5	ND	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-020A	B10-1	ND	mg/Kg	54820	5.0	1	4/16/2009	4/23/2009
105100-021A	B21-0.5	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-022A	B21-1	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-023A	B22-0.5	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-024A	B22-1	6.0	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-025A	B23-0.5	5.8	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-026A	B23-1	6.0	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-027A	B24-0.5	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-028A	B24-1	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-029A	B25-0.5	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-030A	B25-1	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-031A	B26-0.5	6.8	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-032A	B26-1	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-033A	B27-0.5	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-034A	B27-1	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-035A	B28-0.5	5.0	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-036A	B28-1	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: 4/24/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105100
Project:	Grapevine Truck Inspection Area, S9200-06-65	**Date Received**	4/17/2009 12:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105100-037A	B29-0.5	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-038A	B29-1	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-039A	B30-0.5	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-040A	B30-1	ND	mg/Kg	54821	5.0	1	4/16/2009	4/23/2009
105100-041A	B11-0.5	ND	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-042A	B11-1	ND	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-043A	B12-0.5	5.7	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-044A	B12-1	6.7	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-045A	B13-0.5	9.3	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-046A	B13-1	11	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-047A	B14-0.5	9.5	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-048A	B14-1	7.0	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-049A	B15-0.5	8.5	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-050A	B15-1	26	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-051A	B16-0.5	7.8	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-052A	B16-1	ND	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-053A	B17-0.5	5.7	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-054A	B17-1	8.7	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: 4/24/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105100
Project:	Grapevine Truck Inspection Area, S9200-06-65	**Date Received**	4/17/2009 12:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105100-055A	B18-0.5	8.2	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-056A	B18-1	11	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-057A	B19-0.5	6.0	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-058A	B19-1	ND	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-059A	B20-0.5	23	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009
105100-060A	B20-1	10	mg/Kg	54822	5.0	1	4/16/2009	4/23/2009

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Geocon Consultants, Inc.
Work Order: 105100
Project: Grapevine Truck Inspection Area, S9200-06-65

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54820A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108408**
Client ID: **PBS**	Batch ID: **54820**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700894**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.202	5.0									

Sample ID: **LCS-54820**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108408**
Client ID: **LCSS**	Batch ID: **54820**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700895**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	258.035	5.0	250.0	0.2021	103	80	120				

Sample ID: **105100-010A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108408**
Client ID: **B5-1**	Batch ID: **54820**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700906**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.388	5.0						7.542	10.6	20	

Sample ID: **105100-010A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108408**
Client ID: **B5-1**	Batch ID: **54820**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700907**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	189.301	5.0	250.0	7.542	72.7	33	120				

Sample ID: **MB-54820B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108408**
Client ID: **PBS**	Batch ID: **54820**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700908**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 105100
Project: Grapevine Truck Inspection Area, S9200-06-65

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105100-020A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108408**
Client ID: **B10-1**	Batch ID: **54820**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700919**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.528	5.0						2.944	0	20	

Sample ID: **105100-020A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108408**
Client ID: **B10-1**	Batch ID: **54820**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700920**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	183.251	5.0	250.0	2.944	72.1	33	120				

Sample ID: **105100-020A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108408**
Client ID: **B10-1**	Batch ID: **54820**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700921**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	176.092	5.0	250.0	2.944	69.3	33	120	183.3	3.98	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 105100
Project: Grapevine Truck Inspection Area, S9200-06-65

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54821A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108409**
Client ID: **PBS**	Batch ID: **54821**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700922**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.157	5.0									

Sample ID: **LCS-54821**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108409**
Client ID: **LCSS**	Batch ID: **54821**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700923**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	268.420	5.0	250.0	0.1574	107	80	120				

Sample ID: **105100-030A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108409**
Client ID: **B25-1**	Batch ID: **54821**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700934**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.885	5.0						2.995	0	20	

Sample ID: **105100-030A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108409**
Client ID: **B25-1**	Batch ID: **54821**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700935**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	171.704	5.0	250.0	2.995	67.5	33	120				

Sample ID: **MB-54821B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108409**
Client ID: **PBS**	Batch ID: **54821**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700936**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 105100
Project: Grapevine Truck Inspection Area, S9200-06-65

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105100-040A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108409**
Client ID: **B30-1**	Batch ID: **54821**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700947**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.901	5.0						2.188	0	20	

Sample ID: **105100-040A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108409**
Client ID: **B30-1**	Batch ID: **54821**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700948**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	159.331	5.0	250.0	2.188	62.9	33	120				

Sample ID: **105100-040A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108409**
Client ID: **B30-1**	Batch ID: **54821**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700949**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	145.337	5.0	250.0	2.188	57.3	33	120	159.3	9.19	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 105100
Project: Grapevine Truck Inspection Area, S9200-06-65

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54822A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108415**
Client ID: **PBS**	Batch ID: **54822**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700986**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-54822**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108415**
Client ID: **LCSS**	Batch ID: **54822**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	258.415	5.0	250.0	0	103	80	120				

Sample ID: **105100-050A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108415**
Client ID: **B15-1**	Batch ID: **54822**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	14.640	5.0						26.35	57.1	20	R

Sample ID: **105100-050A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108415**
Client ID: **B15-1**	Batch ID: **54822**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1700999**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	167.172	5.0	250.0	26.35	56.3	33	120				

Sample ID: **MB-54822B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108415**
Client ID: **PBS**	Batch ID: **54822**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1701000**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 105100
Project: Grapevine Truck Inspection Area, S9200-06-65

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105100-060A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108415**
Client ID: **B20-1**	Batch ID: **54822**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1701011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.971	5.0						10.26	52.8	20	R

Sample ID: **105100-060A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108415**
Client ID: **B20-1**	Batch ID: **54822**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1701012**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	165.932	5.0	250.0	10.26	62.3	33	120				

Sample ID: **105100-060A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/22/2009**	RunNo: **108415**
Client ID: **B20-1**	Batch ID: **54822**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/23/2009**	SeqNo: **1701013**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	167.997	5.0	250.0	10.26	63.1	33	120	165.9	1.24	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories

3275 Walnut Avenue
Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

FOR LABORATORY USE ONLY

P.O # _____

Logged By _____ Date 4/17/09

Method of Transport: Client ✓ | ATL | CA OverN | FedEx | Other

Sample Condition Upon Receipt:
1. CHILLED ✓ Y N
2. HEADSPACE (VOA) Y N/A N
3. CONTAINER INTACT ✓ Y N
4. SEALED Y ✓ N
5. # OF SPLS MATCH COC ✓ Y N
6. PRESERVED Y ✓ N

Client: Geocon
Attention: Mike Conkle
Address: 3303 N. San Fernando Blvd, Suite 100
City: Burbank State: CA Zip Code: 91504
Tel: (818) 841-8388
Fax: (818) 841-1704

Project Name: Grapevine Truck Inspection Area Project #: S9200-06-65
Sampled (Print Name): Mike Conkle (Signature)

Relinquished by (Signature and Printed Name)	Date 4/17/09	Time	Received by (Signature and Printed Name)	Date 4/17/09	Time 1050
Relinquished by (Signature and Printed Name)	Date 4/17/09	Time 1220	Received by (Signature and Printed Name)	Date 4/17/09	Time 1220
Relinquished by (Signature and Printed Name)	Date	Time	Received by (Signature and Printed Name)	Date	Time

I hereby authorize ATL to perform the work indicated below

Project Mgr /Submitter:

M. Conkle 4/16/09
Print Name Date

Signature

Send Report To:
Attn
Co
Addr
City State Zip

Bill To
Attn
Co
Addr
City State Zip

Special Instructions/Comments:
RUSH SAMPLES W/ TOTAL Pb > 50 mg/kg FOR STLC BY WET.
CALTRANS CONTRACT 06A1191

ITEM	LAB USE ONLY Batch #	Sample I.D./Location	Date	Time	Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	#	Type	PRESERVATION
	105/00281	B1-0.5	4/16/09	1018	✓	X				E	1	G	
2		B1-1		1019									
3		B2-0.5		1022									
4		B2-1		1023									
5		B3-0.5		1028									
6		B3-1		1029									
7		B4-0.5		1033									
8		B4-1		1034									
9		B5-0.5		1038									
10		B5-1		1039									
11		B6-0.5		1042									
12		B6-1		1043									
13		B7-0.5		1046									
14		B7-1		1047									
15		B8-0.5		1050									
16		B8-1		1051									
17		B9-0.5		1056									
18		B9-1		1057									
19		B10-0.5		1106									
20		B10-1		1107									

▪ TAT starts 8AM the following day if samples received after 3 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal
bag

Preservatives
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Advanced Technology Laboratories

3275 Walnut Avenue
Signal Hill, CA 90755
Tel (562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY

P.O # _____

Logged By _____ Date _____

Method of Transport: Client; ATL; CA OverN; FedEx; Other: _____

Sample Condition Upon Receipt

1 CHILLED	Y	N	4 SEALED	Y	N
2 HEADSPACE (VOA)	Y	N	5 # OF SPLS MATCH COC	Y	N
3 CONTAINER INTACT	Y	N	6 PRESERVED	Y	N

Client Geocon — Address 3303 N. San Fernando Blvd, Suite 100 — Tel (818) 841-8388

Attention: Mike Conkle — City Burbank — State CA — Zip Code 91504 — Fax (818) 841-1704

Project Name Grapevine Truck Inspection Area — Project # S9200-06-65 — Sampler (Printed Name) Mike Conkle and Russell Anthony (Signature)

Relinquished by (Signature and Printed Name) _____ Date _____ Time _____ Received by (Signature and Printed Name) _____ Date 4/17/09 Time 1050

Relinquished by (Signature and Printed Name) _____ Date 4/17/09 Time 1220 Received by (Signature and Printed Name) _____ Date 4/17/09 Time 1220

Relinquished by (Signature and Printed Name) _____ Date _____ Time _____ Received by (Signature and Printed Name) _____ Date _____ Time _____

I hereby authorize ATL to perform the work indicated below

Project Mgr /Submitter

MIKE CONKLE 9/16/09

Print Name Date

Signature

Send Report To: Attn _____ Co _____ Addr _____ City _____ State _____ Zip _____

Bill To: Attn _____ Co _____ Addr _____ City _____ State _____ Zip _____

Special Instructions/Comments: SEE PAGE 1

ITEM	LAB USE ONLY Batch #:	Sample I.D./Location	Date	Time	Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	#	Type	PRESERVATION
	105100	B21-0.5	4/16/09	1302	X	X				G	1		
	22	B21-1		1303									
	23	B22-0.5		1306									
	24	B22-1		1309									
	25	B23-0.5		1311									
	26	B23-1		1312									
	27	B24-0.5		1311									
	28	B24-1		1313									
	29	B25-0.5		1319									
	30	B25-1		1320									
	31	B26-0.5		1322									
	32	B26-1		1329									
	33	B27-0.5		1327									
	34	B27-1		1328									
	35	B28-0.5		1325									
	36	B28-1		1327									
	37	B29-0.5		1334									
	38	B29-1		1335									
	39	B30-0.5		1347									
	40	B30-1		1343									

■ TAT starts 8AM the following day if samples received after 3 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Bags

Preservatives: H=HCl $N=HNO_3$ $S=H_2SO_4$ C=4°C $Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

Advanced Technology Laboratories

3275 Walnut Avenue
Signal Hill, CA 90755
Tel. (562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY

P.O #: _____

Logged By _____ Date _____

Method of Transport: Client; ATL; CA OverN; FedEx; Other _____

Sample Condition Upon Receipt

1 CHILLED	Y	N	4 SEALED	Y	N
2 HEADSPACE (VOA)	Y	N	5 # OF SPLS MATCH COC	Y	N
3 CONTAINER INTACT	Y	N	6 PRESERVED	Y	N

Client: Geocon
Attention: Mike Conkle
Address: 3303 N. San Fernando Blvd, Suite 100
City: Burbank State: CA Zip Code: 91504
Tel: (818) 841-8388
Fax: (818) 841-1704

Project Name: Grapevine Truck Inspection Area
Project #: S9200-06-65
Sampler (Signature/Printed Name): Mike Conkle and Russell Anthony

Relinquished by (Signature and Printed Name) _____ Date _____ Time _____ Received by (Signature and Printed Name) _____ Date 4/17/09 Time 1050

Relinquished by (Signature and Printed Name) _____ Date 4/17/09 Time 1220 Received by (Signature and Printed Name) _____ Date 4/17/09 Time 1220

Relinquished by (Signature and Printed Name) _____ Date _____ Time _____ Received by (Signature and Printed Name) _____ Date _____ Time _____

I hereby authorize ATL to perform the work indicated below

Project Mgr /Submitter:

Mike Conkle 4/16/09
Print Name Date

Signature

Send Report To
Attn _____
Co _____
Addr _____
City State Zip

Bill To
Attn _____
Co _____
Addr _____
City State Zip

Special Instructions/Comments:
SEE PAGE 1

ITEM	LAB USE ONLY Batch #:	Sample I.D./Location	Date	Time	Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	#	Type	PRESERVATION
	175107-41	B11-0.5	4/16/09	1141	X	X				E	1		
	42	B11-1		1142									
	43	B12-0.5		1143									
	44	B12-1		1144									
	45	B13-0.5		1150									
	46	B13-1		1151									
	47	B14-0.5		1153									
	48	B14-1		1154									
	49	B15-0.5		1203									
	50	B15-1		1204									
	51	B16-0.5		1159									
	52	B16-1		1155									
	53	B17-0.5		1205									
	54	B17-1		1207									
	55	B18-0.5		1213									
	56	B18-1		1215									
	57	B19-0.5		1216									
	58	B19-1		1217									
	59	B20-0.5		1220									
	60	B20-1		1221									

■ TAT starts 8AM the following day if samples received after 3 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Bags

Preservatives
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

ASBESTOS AND LEAD-CONTAINING PAINT SURVEY

Grapevine Truck Inspection Facility
Kern County, California

PREPARED FOR:

CALIFORNIA DEPARTMENT OF TRANSPORTATION
DISTRICT 6
2015 E. SHIELDS AVENUE, SUITE 100
FRESNO, CALIFORNIA 93726

PREPARED BY:

GEOCON CONSULTANTS, INC.
3160 GOLD VALLEY DRIVE, SUITE 800
RANCHO CORDOVA, CALIFORNIA 95742

GEOCON PROJECT NO. S9200-06-65
TASK ORDER NO. 65, EA NO. 06-0H8601

APRIL 2009

GEOCON
CONSULTANTS, INC.
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. S9200-06-65
April 20, 2009

Mr. Shawn Ogletree
Caltrans District 6
2015 E. Shields Avenue, Suite 100
Fresno, California 93726

Subject: GRAPEVINE TRUCK INSPECTION FACILITY
KERN COUNTY, CALIFORNIA
CONTRACT NO. 06A1141
TASK ORDER NO. 65, EA NO. 06-0H8601
ASBESTOS AND LEAD-CONTAINING PAINT SURVEY REPORT

Dear Mr. Ogletree:

In accordance with California Department of Transportation Contract No. 06A1141 and Task Order No. 65, we have performed an asbestos and lead-containing paint survey of the Grapevine Truck Inspection Facility (TIF) in Kern County, California. The scope of services included surveying the former trucker's restroom and main TIF building (inspection bays and office wing) for suspect asbestos-containing materials and lead-containing paint, collecting bulk samples, and submitting the samples to laboratories for analyses.

The accompanying report summarizes the services performed and laboratory analysis.

The contents of this report reflect the views of Geocon Consultants, Inc., who are responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the State of California or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation.

Please contact us if you have questions concerning the contents of this report or if we may be of further service.

Sincerely,

GEOCON CONSULTANTS, INC.

David A. Watts, CAC
Senior Project Scientist

John E. Juhrend, PE, CEG
Project Manager

DAW:JEJ:jaj

(4 + 2 CD) Addressee

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ASBESTOS AND LEAD-CONTAINING PAINT SURVEY REPORT Page

ASBESTOS AND LEAD-CONTAINING PAINT SURVEY REPORT

1.0 INTRODUCTION

This asbestos and lead-containing paint (LCP) survey report was prepared by Geocon Consultants, Inc. under Caltrans Contract No. 06A1141, Task Order No. 65 (TO-65).

1.1 Project Description

The project consists of the Grapevine Truck Inspection Facility (TIF) in Kern County, California. We performed asbestos and LCP survey activities at the former trucker's restroom and main TIF building (inspection bays and office wing). The project location is depicted on the Vicinity Map, Figure 1, and Site Plan, Figure 2.

1.2 General Objectives

The primary purpose of the scope of services outlined in TO-65 was to determine the presence and quantity of asbestos and LCP at the project location prior to renovation activities. The information obtained from this investigation will be used by Caltrans for waste profiling, determining California Occupational Safety and Health Administration (Cal/OSHA) applicability, and coordinating asbestos and LCP disturbance activities.

> *It was <u>not</u> Geocon's intent during this inspection to conduct an evaluation of lead-based paint hazards in accordance with U.S. Department of Housing and Urban Development (HUD) guidelines. HUD protocol generally requires a very extensive sampling strategy that includes sampling of paint on each surface type (e.g., wall, ceiling, window sill, window frame, door frame, molding, etc.) in each room.*

2.0 BACKGROUND

2.1 Asbestos

The *Code of Federal Regulations (CFR),* 40 CFR 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP) and Federal Occupational Safety and Health Administration (FED OSHA) classify asbestos-containing material (ACM) as any material or product that contains *greater than* 1% asbestos. Nonfriable ACM is classified by NESHAP as either Category I or Category II material defined as follows:

- **Category I** – asbestos-containing packings, gaskets, resilient floor coverings, and asphalt roofing products.
- **Category II** – all remaining types of nonfriable asbestos-containing material not included in Category I that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Regulated asbestos-containing material (RACM), a hazardous waste when friable, is classified as any manufactured material that contains *greater than* 1% asbestos by dry weight *and* is:

- Friable (can be crumbled, pulverized, or reduced to powder by hand pressure); or
- Category I material that has become friable; or
- Category I material that has been subjected to sanding grinding, cutting or abrading; or
- Category II nonfriable material that has a high probability of becoming crumbled, pulverized, or reduced to a powder during demolition or renovation activities.

Activities that disturb materials containing *any* amount of asbestos are subject to certain requirements of the Cal/OSHA asbestos standard contained in Title 8, CCR Section 1529. Typically, removal or disturbance of more than 100 square feet of material containing more than 0.1% asbestos must be performed by a registered asbestos abatement contractor, but associated waste labeling is not required if the material contains 1% or less asbestos. When the asbestos content of a material exceeds 1%, virtually all requirements of the standard become effective.

Materials containing greater than 1% asbestos are also subject to NESHAP regulations (40 CFR Part 61, Subpart M). RACM (friable ACM and nonfriable ACM that will become friable during demolition operations) must be removed from structures prior to demolition. Certain nonfriable ACM and materials containing 1% or less asbestos may remain in structures during demolition; however, there are waste handling/disposal issues and Cal/OSHA work requirements that must be addressed. Contractors are responsible for segregating and characterizing waste streams prior to disposal.

With respect to potential worker exposure, notification, and registration requirements, Cal/OSHA defines asbestos-containing construction material (ACCM) as construction material that contains greater than 0.1% asbestos (Title 8, CCR 341.6).

2.2 Lead Paint

Construction activities (including demolition) that disturb materials or paints containing *any* amount of lead are subject to certain requirements of the Cal/OSHA lead standard contained in Title 8, CCR, Section 1532.1. Deteriorated paint is defined by Title 17, CCR, Division 1, Chapter 8, §35022 as a surface coating that is cracking, chalking, flaking, chipping, peeling, non-intact, failed, or otherwise separated from a component. Demolition of a deteriorated LCP component would require waste characterization and appropriate disposal. Intact LCP on a component is currently accepted by most landfill facilities; however, contractors are responsible for segregating and characterizing waste streams prior to disposal.

For a solid waste containing lead, the waste is classified as California hazardous when: 1) the total lead content equals or exceeds the respective Total Threshold Limit Concentration (TTLC) of 1,000 milligrams per kilogram (mg/kg); or 2) the soluble lead content equals or exceeds the respective Soluble Threshold Limit Concentration (STLC) of 5 milligrams per liter (mg/l) based on the standard Waste Extraction Test (WET). A waste has the potential for exceeding the lead STLC when the waste's total lead content is greater than or equal to ten times the respective STLC value since the WET uses a 1:10 dilution ratio. Hence, when total lead is detected at a concentration greater than or equal to 50 mg/kg, and assuming that 100 percent of the total lead is soluble, soluble lead analysis is required. Lead-containing waste is classified as "Resource, Conservation, and Recovery Act" (RCRA) hazardous, or Federal hazardous, when the soluble lead content equals or exceeds the Federal regulatory level of 5 mg/l based on the Toxicity Characteristic Leaching Procedure (TCLP).

The above regulatory criteria are based on chemical concentrations. Wastes may also be classified as hazardous based on other criteria such as ignitability; however, for the purposes of this investigation, toxicity (i.e., lead concentrations) is the primary factor considered for waste classification since waste generated during the construction activities would not likely warrant testing for ignitability or other criteria. Waste that is classified as either California hazardous or RCRA hazardous requires management as a hazardous waste.

Potential hazards exist to workers who remove or cut through LCP coatings during demolition. Dust containing hazardous concentrations of lead may be generated during scraping or cutting materials coated with lead-containing paint. Torching of these materials may produce lead oxide fumes. Therefore, air monitoring and/or respiratory protection may be required during the demolition of materials coated with LCP. Guidelines regarding regulatory provisions for construction work where workers may be exposed to lead are presented in the Title 8, CCR, Section 1532.1.

2.3 Architectural Drawings and Previous Survey Activities

Caltrans provided architectural drawings of the structures for our review. We observed no evidence of asbestos-containing products or lead-containing paints on the drawings we reviewed. Previous survey reports of the structures were not available for our review.

3.0 SCOPE OF SERVICES

Mr. David Watts, a California-Certified Asbestos Consultant (CAC), certification No. 98-2404 (expiration September 16, 2009), and Certified Lead Paint Inspector/Assessor and Project Monitor with the California Department of Public Health (DPH), certification numbers I-1734 and M-1734 (expiration December 4, 2009), performed the asbestos and LCP survey at the project location on April 1, 2009.

3.1 Asbestos

Suspect ACM were grouped into homogeneous areas with representative samples randomly collected from each. In addition, each potential ACM was evaluated for friability. A total of 35 bulk asbestos samples representing 17 material types were collected.

Our procedures for inspection and sampling in accordance with TO-65 are discussed below:

- Collected bulk asbestos samples after first wetting friable material with a light mist of water. The samples were then cut from the substrate and transferred to a labeled container. Note that when multiple samples were collected, the sampling locations were distributed throughout the homogeneous area (spaces where the material was observed).
- Relinquished bulk asbestos samples under chain-of-custody protocol to EMSL Analytical, Inc., a California-licensed and Caltrans-approved subcontractor, for asbestos analysis in accordance with United States Environmental Protection Agency (EPA) Test Method 600/R-93/116 using polarized light microscopy (PLM). EMSL Analytical, Inc. is a laboratory accredited by the National Institute of Standards and Technology National Voluntary Laboratory Accreditation Program (NIST-NVLAP) for bulk asbestos fiber analysis. The laboratory analyses were requested on a 24-hour turn-around-time.

Sample group identification numbers, material descriptions, approximate quantities, friability assessments, and photo references are summarized on Table 1. Approximate sample locations are presented on Figure 2. Materials represented by the samples collected are shown in the attached photographs.

3.2 Lead Paint

Nine bulk paint samples were collected from suspect LCP observed at the project location. Our sampling procedures in accordance with TO-65 are discussed below:

- Collected bulk samples of suspect LCP using techniques presented in HUD guidelines. In addition, each painted area was evaluated for evidence of deterioration such as flaking or cracking.
- Relinquished bulk LCP samples under chain-of-custody protocol to Advanced Technology Laboratories, a California-licensed and Caltrans-approved subcontractor, for lead analyses in accordance with EPA Test Method 6010B. Advanced Technology Laboratories is accredited by the DPH for lead analysis. The laboratory analyses were requested on a 24-hour turn-around-time.

Paint sample identification numbers, paint descriptions, approximate peeling/flaking quantities, and photo references are summarized on Table 2. Approximate sample locations are presented on Figure 2. Materials represented by the samples collected are shown in the attached photographs.

4.0 INVESTIGATIVE RESULTS

4.1 Asbestos Analytical Results

Chrysotile asbestos at a concentration of 7% was detected in samples representing approximately 80 square feet of nonfriable asphalt roofing mastic (a Category I nonfriable material) used on the main TIF building.

No asbestos was detected in samples of the remaining suspect materials collected during our survey. A summary of the analytical laboratory test results for asbestos is presented on Table 1. Reproductions of the laboratory report and chain-of-custody documentation are presented in Appendix A.

4.2 Paint Analytical Results

A sample representing tan exterior paint observed on the former trucker's restroom exhibited a total lead concentration of 60 mg/kg and a soluble (WET) lead concentration of less than 0.25 mg/l.

A sample representing brown exterior trim observed on the former trucker's restroom exhibited a total lead concentration of 18 mg/kg.

A sample representing white exterior trim observed on the former trucker's restroom exhibited a total lead concentration of 25 mg/kg.

A sample representing white interior paint observed in the former trucker's restroom exhibited a total lead concentration of less than 2.0 mg/kg.

A sample representing tan exterior paint observed on the TIF main building exhibited a total lead concentration of 9.0 mg/kg.

A sample representing brown exterior trim observed on the TIF main building exhibited a total lead concentration of 12 mg/kg.

A sample representing white exterior trim observed on the TIF main building exhibited a total lead concentration of 14 mg/kg.

A sample representing blue exterior trim observed on the TIF main building exhibited a total lead concentration of 76 mg/kg and a soluble (WET) lead concentration of 0.42 mg/l.

A sample representing white interior paint observed in the TIF main building exhibited a total lead concentration of less than 4.0 mg/kg.

A summary of the analytical laboratory test results for paint is presented on Table 2. Reproductions of the laboratory reports and chain-of-custody documentation are presented in Appendix A.

5.0 REPORT LIMITATIONS

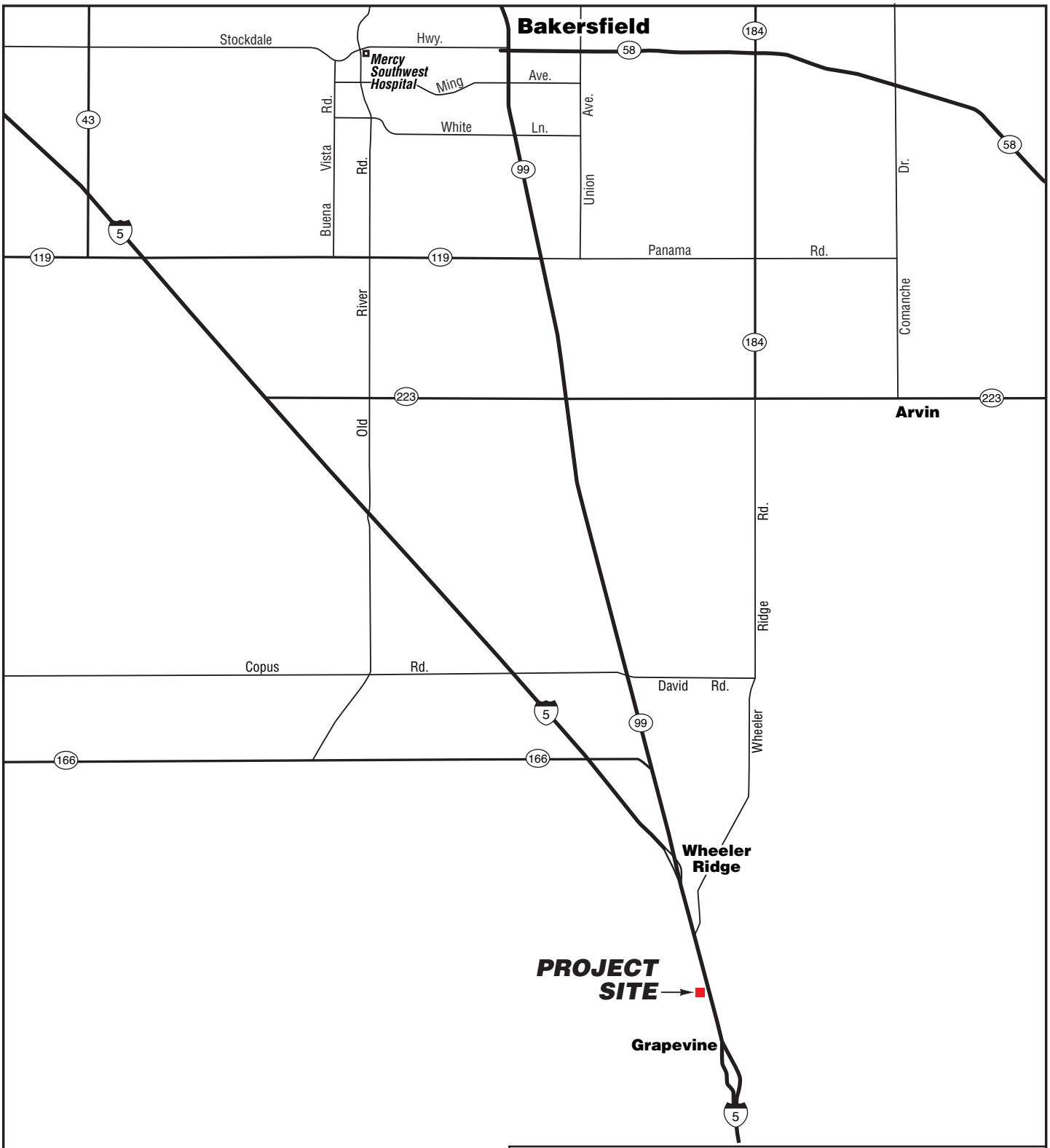
This asbestos and LCP survey was conducted in conformance with generally accepted standards of practice for identifying and evaluating asbestos and LCP in structures. The survey addressed only those structures identified in Section 1.1. Due to the nature of structure surveys, asbestos and LCP use, and laboratory analytical limitations, some ACM or LCP at the project location may not have been identified. Spaces such as cavities, voids, crawlspaces, and pipe chases may have been concealed to our investigator. Previous renovation work may have concealed or covered spaces or materials or may have partially demolished materials and left debris in inaccessible areas. Additionally, renovation activities may have partially replaced ACM with indistinguishable non-ACM. Asbestos and/or LCP may exist in areas of the structures that were not accessible or sampled in conjunction with this TO.

During renovation or demolition operations, suspect materials may be uncovered which are different from those accessible for sampling during this assessment. Personnel in charge of renovation/demolition should be alerted to note materials uncovered during such activities that differ substantially from those included in this or previous assessment reports. If suspect ACM and/or LCP are found, additional sampling and analysis should be performed to determine if the materials contain asbestos or lead.

This report has been prepared exclusively for Caltrans. The information contained herein is only valid as of the date of the report and will require an update to reflect additional information obtained.

This report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing performed. In addition, the information obtained is not intended to address potential impacts related to sources other than those specified herein. Therefore, the report should be deemed conclusive with respect to only the information obtained. We make no warranty, express or implied, with respect to the content of this report or any subsequent reports, correspondence or consultation. Geocon strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.

The contents of this report reflect the views of the author who is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the State of California or the Federal Highway Administration. This report does not constitute a standard, specification or regulation.



GEOCON
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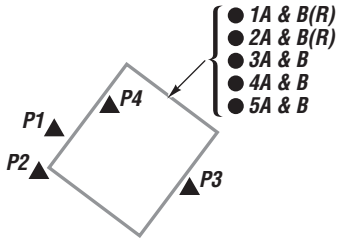
Grapevine Truck Inspection Facility

Kern County, California

VICINITY MAP

GEOCON Proj. No. S9200-06-65

Task Order No. 65, EA 06-0H8601 | April 2009 | Figure 1



FORMER TRUCKER'S RESTROOM

GRAPEVINE TRUCK INSPECTION FACILITY

LEGEND:

- ● Approximate Asbestos Sample Location
- ▲ Approximate Paint Sample Location
- *(R)* Roof

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Grapevine Truck Inspection Facility		
Kern County, California	**SITE PLAN**	
GEOCON Proj. No. S9200-06-65		
Task Order No. 65, EA 06-0H8601	April 2009	Figure 2

Photo 1 – Former trucker's restroom

Photo 2 – Roofing (former trucker's restroom)

Photo 3 – Exterior (former trucker's restroom)

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PHOTOGRAPHS 1, 2, & 3		
Grapevine Truck Inspection Facility Kern County, California		
S9200-06-65	Task Order No. 65	April 2009

Photo 4 – Interior (former trucker's restroom)

Photo 5 – Grapevine Truck Inspection Facility (TIF)

Photo 6 – Roofing (TIF inspection bays)

Photo 7 – Roofing (TIF)

Photo 8 – Roofing (TIF)

Photo 9 – Exterior (TIF)

Photo 10 – Exterior (TIF)

Photo 11 – Inspection bay flooring (TIF)

Photo 12 – Restrooms (TIF)

Photo 13 – Ceiling panels (TIF)

Photo 14 – Ceramic tile systems (TIF)

Photo 15 – Dark gray floor tile (TIF)

Photo 16 – Ceiling tile system (TIF)

Photo 17 – Light gray floor tile (TIF)

Photo 18 – Non-suspect pipe insulation (TIF)

Photo 19 – Non-suspect duct insulation (TIF)

Photo 20 – Water heater (TIF)

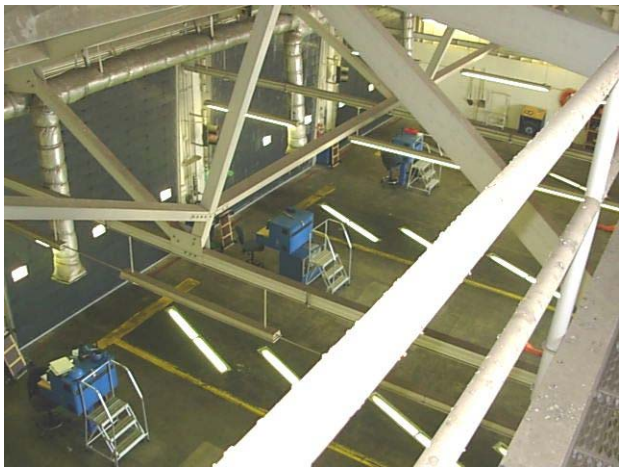

Photo 21 – Inspection bays (TIF)

TABLE 1
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
GRAPEVINE TRUCK INSPECTION FACILITY
CALTRANS CONTRACT 06A1141, TASK ORDER NO. 65, EA 06-0H8601
KERN COUNTY, CALIFORNIA

Polarized Light Microscopy (PLM) - EPA Test Method 600/R-93/116

Sample Group No.	Description of Material	Approximate Quantity	Friable	Site Photo	Asbestos Content
1	Vapor barrier - asphalt (former trucker's restroom)	NA	NA	2	ND
2	Asphalt roofing mastic (former trucker's restroom)	NA	NA	2	ND
3	Window putty - painted (former trucker's restroom)	NA	NA	3	ND
4	Ceramic tile systems (former trucker's restroom)	NA	NA	4	ND
5	Gypsum board systems - painted (former trucker's restroom)	NA	NA	4	ND
6	Vapor barrier - asphalt (TIF main building)	NA	NA	7	ND
7	**Asphalt roofing mastic (TIF main building)**	**80 square feet**	**No**	**8**	**7%**
8	Window putty - painted (TIF main building)	NA	NA	9	ND
9	Non-slip flooring (TIF main building)	NA	NA	11	ND
10	Base coving (TIF main building)	NA	NA	11	ND
11	Gypsum board systems - painted (TIF main building)	NA	NA	11 and 17	ND
12	Resilient sheet flooring - restrooms (TIF main building)	NA	NA	12	ND
13	Lay-in ceiling panels (TIF main building)	NA	NA	13	ND
14	Ceramic tile systems (TIF main building)	NA	NA	14	ND
15	Vinyl floor tile - dark gray (TIF main building)	NA	NA	15	ND
16	Ceiling tiles - glued (TIF main building)	NA	NA	16	ND
17	Vinyl floor tile - light gray (TIF main building)	NA	NA	17	ND

Notes:

NA = Not applicable (no asbestos detected)

ND = Not detected

TABLE 2
SUMMARY OF PAINT ANALYTICAL RESULTS – TOTAL AND SOLUBLE LEAD
GRAPEVINE TRUCK INSPECTION FACILITY
CALTRANS CONTRACT 06A1141, TASK ORDER NO. 65, EA 06-0H8601
KERN COUNTY, CALIFORNIA

Paint Sample No.	Paint Description	Approximate Quantity Peeling/Flaking	Site Photo	Total Lead (mg/kg)	WET Lead (mg/l)
P1	Tan exterior paint (former trucker's restroom)	Intact	1	60	<0.25
P2	Brown exterior trim/roof (former trucker's restroom)	20 square feet	1 and 2	18	---
P3	White exterior trim (former trucker's restroom)	5 square feet	3	25	---
P4	White interior paint (former trucker's restroom)	Intact	4	<2.0	---
P5	Tan exterior paint (TIF main building)	Intact	5 and 9	9.0	---
P6	Brown exterior trim/roof (TIF main building)	1,000 square feet	6 and 8	12	---
P7	White exterior trim (TIF main building)	Intact	9	14	---
P8	Blue exterior trim (TIF main building)	Intact	10	76	0.42
P9	White interior paint (TIF main building)	Intact	14 and 17	<4.0	---

Notes:

mg/kg = milligrams per kilogram
WET = Waste Extraction Test (EPA Test Method 7420)
mg/l = milligrams per liter
< = Analyte was not detected at or above the stated reporting limit

APPENDIX A

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Project: **S9200-06-65, Grapevine TIF, Kern County**

Customer ID:	GECN21
Customer PO:	S9200-06-65
Received:	04/03/09 9:30 AM
EMSL Order:	090902419
EMSL Proj:	S9200-06-**
Analysis Date:	4/3/2009
Report Date:	4/4/2009

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Location**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
1A, Vapor barrier, asphalt *090902419-0001*	Former Trucker's RR	Black Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
1B, Vapor barrier, asphalt *090902419-0002*	Former Trucker's RR	Black Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
2A, Asphalt roofing mastic *090902419-0003*	Former Trucker's RR	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
2B, Asphalt roofing mastic *090902419-0004*	Former Trucker's RR	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
3A, Window putty *090902419-0005*	Former Trucker's RR	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
3B, Window putty *090902419-0006*	Former Trucker's RR	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
4A-A, Ceramic tile *090902419-0007*	Former Trucker's RR	Brown Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

Analyst(s)

Adam C. Fink (38)
Jorge Leon (23)

Baojia Ke, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.
NVLAP Lab Code 101048-3

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			Non-Asbestos				Asbestos
Sample	**Location**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
4A-B, Grout *090902419-0007A*	Former Trucker's RR	Gray Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
4A-C, Leveling compound *090902419-0007B*	Former Trucker's RR	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
4B-A, Ceramic tile *090902419-0008*	Former Trucker's RR	Brown Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
4B-B, Grout *090902419-0008A*	Former Trucker's RR	Gray Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
4B-C, Leveling compound *090902419-0008B*	Former Trucker's RR	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
5A-A, Gypsum board *090902419-0009*	Former Trucker's RR	White Fibrous Homogeneous	20%	Cellulose	80%	Non-fibrous (other)	**None Detected**
5A-B, Joint compound *090902419-0009A*	Former Trucker's RR	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Location**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
5B-A, Gypsum board *090902419-0010*	Former Trucker's RR	White Fibrous Homogeneous	20%	Cellulose	80%	Non-fibrous (other)	**None Detected**
5B-B, Joint compound 1 *090902419-0010A*	Former Trucker's RR	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
5B-C, Joint compound 2 *090902419-0010B*	Former Trucker's RR	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
6A, Vapor barrier, asphalt *090902419-0011*	TIF Bldg.	Black Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
6B, Vapor barrier, asphalt *090902419-0012*	TIF Bldg.	Black Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
7A, Asphalt roofing mastic *090902419-0013*	TIF Bldg.	Black Non-Fibrous Homogeneous			93%	Non-fibrous (other)	**7% Chrysotile**
7B, Asphalt roofing mastic *090902419-0014*	TIF Bldg.	Black Non-Fibrous Homogeneous			93%	Non-fibrous (other)	**7% Chrysotile**

Analyst(s)

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
8A, Window putty *090902419-0015*	TIF Bldg.	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
8B, Window putty *090902419-0016*	TIF Bldg.	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
9A, Non-slip flooring *090902419-0017*	TIF Bldg.	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
9B-A, Flooring 1 *090902419-0018*	TIF Bldg.	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
9B-B, Flooring 2 *090902419-0018A*	TIF Bldg.	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
10A-A, Cove base *090902419-0019*	TIF Bldg.	Blue Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
10A-B, Mastic *090902419-0019A*	TIF Bldg.	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
10B-A, Cove base *090902419-0020*	TIF Bldg.	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Location**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
10B-B, Mastic *090902419-0020A*	TIF Bldg.	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
11A-A, Gypsum board *090902419-0021*	TIF Bldg.	White Non-Fibrous Homogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
11A-B, Joint compound *090902419-0021A*	TIF Bldg.	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
11B, Gypsum board system *090902419-0022*	TIF Bldg.	White Non-Fibrous Homogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
11C-A, Gypsum board *090902419-0023*	TIF Bldg.	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
11C-B, Joint compound *090902419-0023A*	TIF Bldg.	White Non-Fibrous Homogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
12A-A, Sheet flooring *090902419-0024*	TIF Bldg., RR's	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Location**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
12A-B, Backing paper *090902419-0024A*	TIF Bldg., RR's	Gray Fibrous Homogeneous	40% 10% 10%	Cellulose Glass Synthetic	40%	Non-fibrous (other)	**None Detected**
12A-C, Mastic *090902419-0024B*	TIF Bldg., RR's	Yellow Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
12B-A, Sheet flooring *090902419-0025*	TIF Bldg., RR's	Blue Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
12B-B, Backing paper *090902419-0025A*	TIF Bldg., RR's	Gray Fibrous Homogeneous	40% 20%	Cellulose Glass	40%	Non-fibrous (other)	**None Detected**
12B-C, Mastic *090902419-0025B*	TIF Bldg., RR's	Yellow Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
13A, Ceiling panels *090902419-0026*	TIF Bldg.	Various Fibrous Homogeneous	40% 20%	Cellulose Glass	40%	Non-fibrous (other)	**None Detected**
13B, Ceiling panels *090902419-0027*	TIF Bldg.	Various Fibrous Homogeneous	40% 20%	Cellulose Glass	40%	Non-fibrous (other)	**None Detected**

Analyst(s)

Adam C. Fink (38)
Jorge Leon (23)

Baojia Ke, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.
NVLAP Lab Code 101048-3

EMSL Analytical, Inc
2235 Polvorosa Ave , Suite 230, San Leandro, CA 94577
Phone: (510) 895-3675 Fax: (510) 895-3680 Email: milpitaslab@emsl.com

Attn: **David Watts**
Geocon Consultants
6671 Brisa Street
Livermore, CA 94550

Fax: (925) 371-5915 Phone: (925) 371-5900
Project: **S9200-06-65, Grapevine TIF, Kern County**

Customer ID: GECN21
Customer PO: S9200-06-65
Received: 04/03/09 9:30 AM
EMSL Order: 090902419

EMSL Proj: S9200-06-**
Analysis Date: 4/3/2009
Report Date: 4/4/2009

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
14A-A, Ceramic tile *090902419-0028*	TIF Bldg.	Various Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
14A-B, Grout *090902419-0028A*	TIF Bldg.	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
14A-C, Mortar *090902419-0028B*	TIF Bldg.	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
14B-A, Ceramic tile *090902419-0029*	TIF Bldg.	Various Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
14B-B, Grout *090902419-0029A*	TIF Bldg.	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
14B-C, Mortar *090902419-0029B*	TIF Bldg.	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
15A-A, Vinyl floor tile *090902419-0030*	TIF Bldg.	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
15A-B, Mastic *090902419-0030A*	TIF Bldg.	Various Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Adam C. Fink (38)
Jorge Leon (23)

Baojia Ke, Laboratory Manager
or other approved signatory

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Attn: **David Watts**
Geocon Consultants
6671 Brisa Street
Livermore, CA 94550

Fax: (925) 371-5915 Phone: (925) 371-5900
Project: **S9200-06-65, Grapevine TIF, Kern County**

Customer ID: GECN21
Customer PO: S9200-06-65
Received: 04/03/09 9:30 AM
EMSL Order: 090902419

EMSL Proj: S9200-06-**
Analysis Date: 4/3/2009
Report Date: 4/4/2009

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Location**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
15B-A, Vinyl floor tile *090902419-0031*	TIF Bldg.	Gray Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
15B-B, Mastic *090902419-0031A*	TIF Bldg.	Various Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
16A-A, Ceiling tile *090902419-0032*	TIF Bldg.	Various Fibrous Homogeneous	70%	Min. Wool	30%	Non-fibrous (other)	**None Detected**
16A-B, Mastic *090902419-0032A*	TIF Bldg.	Brown Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
16B-A, Ceiling tile *090902419-0033*	TIF Bldg.	Various Fibrous Homogeneous	70%	Min. Wool	30%	Non-fibrous (other)	**None Detected**
16B-B, Mastic *090902419-0033A*	TIF Bldg.	Brown Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
17A-A, vinyl floor tile *090902419-0034*	TIF Bldg.	Blue Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
17A-B, Mastic *090902419-0034A*	TIF Bldg.	Yellow Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

Analyst(s)

Adam C. Fink (38)
Jorge Leon (23)

Baojia Ke, Laboratory Manager
or other approved signatory

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Customer ID:	GECN21
Customer PO:	S9200-06-65
Received:	04/03/09 9:30 AM
EMSL Order:	090902419
EMSL Proj:	S9200-06-**
Analysis Date:	4/3/2009
Report Date:	4/4/2009

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
17B-A, Vinyl floor tile *090902419-0035*	TIF Bldg.	Blue Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
17B-B, Mastic *090902419-0035A*	TIF Bldg.	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Adam C. Fink (38)
Jorge Leon (23)

Baojia Ke, Laboratory Manager
or other approved signatory

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NVLAP Lab Code 101048-3

THIS IS THE LAST PAGE OF THE REPORT.

Chain of C) ly Form

90902419

Project No.: $9200-06-65 | Client Name: GEOCON | Analyze sample sets until positive: ☐ Yes ☒ No

Report Results to: D. WATTS | Office Location: LIVERMORE, CA | Analytical Fee (per sample): $ PLM | Date(s) Inspected: 1 APR 2009

Consultants Ph. #: (925) 371-5900 | Consultants Fax #: (925) 371-5915 | Other Comments: 24-HR

Site Name: GRAPEVINE TIF | Building No. — | Site Address: KERN COUNTY, CA

Material Code	Sample Number: Site No.	Bldg. No.	Material Link No.	Samples Collected: A	B	C	D	E	F	G	H	I	J	K	Not Sampled	Material Description
			1	X	X											VAPOR BARRIER - ASPHALT (FORMER TRUCKERS RR)
			2	X	X											ASPHALT ROOFING MASTIC
			3	X	X											WINDOW PUTTY - PAINTED
			4	X	X											CERAMIC TILE SYSTEM - PAINTED
			5	X	X											GYPSUM BOARD SYSTEM
			6	X	X											VAPOR BARRIER - ASPHALT (TIF BLDG)
			7	X	X											ASPHALT ROOFING MASTIC
			8	X	X											WINDOW PUTTY - PAINTED
			9	X	X											NON-SLIP FLOORING
			10	X	X											BASE COVING
			11	X	X	X										GYPSUM BOARD SYSTEM - PAINTED
			12	X	X											RESILIENT SHEET FLOORING - RR'S
			13	X	X											CEILING PANELS - LAY-IN
			14	X	X											CERAMIC TILE SYSTEM
			15	X	X											VFT (DARK GRAY)
			16	X	X											CEILING TILES - GLUED
			17	X	X											VFT (LIGHT GRAY)

Relinquished by: Print Name: D. WATTS | Signature: | Date/Time: 1 APR 2009 2000 | Received by: Print Name: UPS | Signature: | Date/Time: 1 APR 2009 2000

Relinquished by: Print Name: | Signature: | Date/Time: | Received by: Print Name: M. EDWARDS | Signature: M. EDWARDS | Date/Time: 4/3/09 9:30 AM UPS

Flooring
- CFT = Ceramic floor tile grout/mastic (M)
- F = Floor material-Generic(M)
- FMAS = Floor mastic(M)
- FT = Vinyl composite tile floor (M)
- FS = Vinyl composite sheet floor (M)
- FLC = Floor leveling compound (M)
- TERR = Terrazzo flooring (M)

35

Wall/Ceiling/Other
- ACOU = Textured acoustical (sprayed) (S)
- BBM = Baseboard mastic (M)
- CM = Ceiling (unspecified type) (M)
- CS = Ceiling (unspecified type) (S)
- CP = Ceiling panel - Lay-in (M)
- CMAS = Ceiling mastic (M)
- CT = Ceiling tile - Splined or nailed (M)
- CTG = Ceiling tile - Glued (M)
- CWT = Ceramic wall tile grout & mastic(M)
- DEBM = Debris (unspecified) (M)
- DEBS = Debris (unspecified) (S)
- DEBT = Debris (unspecified) (TSI)
- DOOR = Door core insulation - Fire door (M)
- OFM = Other friable material (M)
- OFS = Other friable material (S)
- ONFM = Other nonfriable material (M)
- ONFS = Other nonfriable materials (S)
- PL = Plaster (wall or ceiling) (S)
- SHR = Sheetrock (no joint compound) (M)
- SHRJC = Sheetrock with joint compound (M)
- STUC = Stucco (S)
- FP = Structural fireproofing (S)
- TRAN = Transite panel (M)
- TX = Surface texturing on walls/ceiling (S)
- WM = Wall (unspecified type) (M)
- WS = Wall (unspecified type) (S)
- WT = Wall tile - Splined or nailed (M)
- WTG = Wall tile - Glued on (M)

Piping/TSI
- FI = Fitting insulation (type not specified) (TSI)
- FICHW = Fitting - Chilled water system (TSI)
- FICON = Fitting - Condensate (TSI)
- FIDCW = Fitting - Domestic cold water (TSI)
- FIDHW = Fitting - Domestic hot water (TSI)
- FIHHW = Fitting - Heating hot water (TSI)
- FISTM = Fitting - Steam (TSI)
- DI = Duct insulation (TSI)
- DTAPE = HVAC - Duct joint tape/compound (M)
- DFLEX = HVAC - Flexible duct/flex duct joint (M)
- DFLUE = Mech. equipment - Flue insulation (TSI)
- MGSKT = Mech. equipment-Gasket (M)
- MTANK = Mech equipment-Tank insulation (TSI)
- PI = Pipe insulation (type not specified) (TSI)
- PICHW = Pipe insulation-Chilled water system (TSI)
- PICON = Pipe insulation-Condensate (TSI)
- PIDCW = Pipe insulation-Domestic cold water (TSI)
- PIDHW = Pipe insulation-Domestic hot water (TSI)
- PIHHW = Pipe insulation-Heating hot water (TSI)
- PISTM = Pipe insulation-Steam (TSI)
- PTRAN = Pipe-Transite (M)

Roofing
- RF = Roofing material (M)
- RFAG = Asphalt and gravel (M)
- RFAT = Asphalt roof tile (M)
- RFFLS = Flashing (M)
- RFFLT = Felt material (M)
- RFMAS = Penetration mastic (M)
- RFROL = Rolled sheet type (M)
- RTRAN = Transite shingle (M)

(M) = Miscellaneous material
(S) = Surfacing material
(TSI) = Thermal System Insulation

090902419

April 06, 2009

Dave Watts
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 371-5900
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 104865

RE: GRAPEVINE TIF, S9200-06-65

Attention: Dave Watts

Enclosed are the results for sample(s) received on April 03, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc. **Lab Order:** 104865
Project: GRAPEVINE TIF, S9200-06-65

Lab ID: 104865-001 **Collection Date:** 4/1/2009 9:52:00 AM
Client Sample ID: P1 **Matrix:** PAINT

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_090406A	QC Batch: 54522			PrepDate: 4/3/2009	Analyst: **CL**	
Lead	60	8.0		mg/Kg	1	4/6/2009 11:58 AM

Lab ID: 104865-002 **Collection Date:** 4/1/2009 10:19:00 AM
Client Sample ID: P2 **Matrix:** PAINT

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_090406A	QC Batch: 54522			PrepDate: 4/3/2009	Analyst: **CL**	
Lead	18	2.0		mg/Kg	1	4/6/2009 12:01 PM

Lab ID: 104865-003 **Collection Date:** 4/1/2009 10:21:00 AM
Client Sample ID: P3 **Matrix:** PAINT

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_090406A	QC Batch: 54522			PrepDate: 4/3/2009	Analyst: **CL**	
Lead	25	2.0		mg/Kg	1	4/6/2009 12:05 PM

Lab ID: 104865-004 **Collection Date:** 4/1/2009 10:41:00 AM
Client Sample ID: P4 **Matrix:** PAINT

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_090406A	QC Batch: 54522			PrepDate: 4/3/2009	Analyst: **CL**	
Lead	ND	2.0		mg/Kg	1	4/6/2009 12:09 PM

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

CLIENT: Geocon Consultants, Inc. **Lab Order:** 104865
Project: GRAPEVINE TIF, S9200-06-65

Lab ID: 104865-005 **Collection Date:** 4/1/2009 11:54:00 AM
Client Sample ID: P5 **Matrix:** PAINT

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_090406A	QC Batch: 54522			PrepDate: 4/3/2009	Analyst: **CL**	
Lead	9.0	5.0		mg/Kg	1	4/6/2009 12:21 PM

Lab ID: 104865-006 **Collection Date:** 4/1/2009 12:16:00 PM
Client Sample ID: P6 **Matrix:** PAINT

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_090406A	QC Batch: 54522			PrepDate: 4/3/2009	Analyst: **CL**	
Lead	12	2.0		mg/Kg	1	4/6/2009 12:26 PM

Lab ID: 104865-007 **Collection Date:** 4/1/2009 12:29:00 PM
Client Sample ID: P7 **Matrix:** PAINT

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_090406A	QC Batch: 54522			PrepDate: 4/3/2009	Analyst: **CL**	
Lead	14	2.0		mg/Kg	1	4/6/2009 12:30 PM

Lab ID: 104865-008 **Collection Date:** 4/1/2009 1:21:00 PM
Client Sample ID: P8 **Matrix:** PAINT

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_090406A	QC Batch: 54522			PrepDate: 4/3/2009	Analyst: **CL**	
Lead	76	4.0		mg/Kg	1	4/6/2009 12:34 PM

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

CLIENT: Geocon Consultants, Inc. **Lab Order:** 104865
Project: GRAPEVINE TIF, S9200-06-65

Lab ID: 104865-009 **Collection Date:** 4/1/2009 2:19:00 PM
Client Sample ID: P9 **Matrix:** PAINT

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
EPA 3050B			**EPA 6010B**			
RunID: ICP8_090406A	QC Batch: 54522			PrepDate: 4/3/2009	Analyst: **CL**	
Lead	ND	4.0		mg/Kg	1	4/6/2009 12:39 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: Geocon Consultants, Inc.
Work Order: 104865
Project: GRAPEVINE TIF, S9200-06-65

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-54522**	SampType: **MBLK**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **4/3/2009**	RunNo: **107845**
Client ID: **PBS**	Batch ID: **54522**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **4/6/2009**	SeqNo: **1691007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-54522**	SampType: **LCS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **4/3/2009**	RunNo: **107845**
Client ID: **LCSS**	Batch ID: **54522**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **4/6/2009**	SeqNo: **1691008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.007	1.0	50.00	0	100	80	120				

Sample ID: **LCSD-54522**	SampType: **LCS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **4/3/2009**	RunNo: **107845**
Client ID: **LCSS**	Batch ID: **54522**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **4/6/2009**	SeqNo: **1691009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.333	1.0	50.00	0	101	80	120	0	0	0	

Sample ID: **MB-54522MS**	SampType: **MS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **4/3/2009**	RunNo: **107845**
Client ID: **ZZZZZZ**	Batch ID: **54522**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **4/6/2009**	SeqNo: **1691019**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	123.399	1.0	125.0	0	98.7	33	120				

Sample ID: **MB-54522MSD**	SampType: **MSD**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **4/3/2009**	RunNo: **107845**
Client ID: **ZZZZZZ**	Batch ID: **54522**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **4/6/2009**	SeqNo: **1691020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	125.953	1.0	125.0	0	101	33	120	123.4	2.05	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CHAIN OF CUSTODY RECORD

1 of 1

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: [signature] Date: 4/3/09

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FEDEX ☐ Other: UPS

Sample Condition Upon Receipt

1. CHILLED	Y☐ N☑	4. SEALED	Y☐ N☑
2. HEADSPACE (VOA)	Y☐ N☑	5. # OF SPLS MATCH COC	Y☑ N☐
3. CONTAINER INTACT	Y☑ N☐	6. PRESERVED	Y☐ N☑

Client: GEOCON
Attn: D. WATTS
Address: 6671 BRISA ST
City LIVERMORE State CA Zip Code 94513
TEL: (925) 371-5900
FAX: (") " 5915

Project Name: GRAPEVINE TIF Project #: 9200-06-65 Sampler: (Printed Name) D. WATTS (Signature) [signature]

Relinquished by: (Signature and Printed Name) [signature]	Date: 4/3/09	Time: 2000	Received by: (Signature and Printed Name) UPS	Date: 4/3/09	Time: 2000
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) Mary [signature]	Date: 4/3/09	Time: 10:00
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr./Submitter: D. WATTS 4/3/09 (Print Name / Date)
[signature] (Signature)

Send Report To:
Attn:
Co: SEE "CLIENT"
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:
PRINT CHUCK (TOTAL Pb)
ANTICIPATE SOLUBLE REQUESTS, !

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC: RTNE ☐ CT ☒ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal) – Pb	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	SOIL	WATER	GROUND WATER	WASTEWATER	PAINT	TAT	Container(s) #	Container(s) Type	REMARKS
1	104865-001	P1	4APR09	0952					X									X	24Hr	1	Bg P	
2		P2		1019																		
3		P3		1021																		
4		P4		1041																		
5		P5		1154																		
6		P6		1216																		
7		P7		1229																		
8		P8		1321																		
9		P9		1419																		

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 10, 2009

Dave Watts
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 371-5900
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 104865

RE: GRAPEVINE TIF, S9200-06-65

Attention: Dave Watts

Enclosed are the results for sample(s) received on April 03, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/10/2009

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	104865
Project:	GRAPEVINE TIF, S9200-06-65	**Date Received**	4/3/2009 10:00:00 AM
Project No:		**Matrix:**	Paint
Analyte:	Lead	**Analyst:**	VV

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
104865-001A	P1	ND	mg/L	54598	0.25	1	4/1/2009	4/10/2009
104865-008A	P8	0.42	mg/L	54598	0.25	1	4/1/2009	4/10/2009

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Geocon Consultants, Inc.
Work Order: 104865
Project: GRAPEVINE TIF, S9200-06-65

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-54598A**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/8/2009**	RunNo: **107998**
Client ID: **PBS**	Batch ID: **54598**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/10/2009**	SeqNo: **1693693**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-54598**	SampType: **LCS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/8/2009**	RunNo: **107998**
Client ID: **LCSS**	Batch ID: **54598**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/10/2009**	SeqNo: **1693694**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.254	0.25	5.000	0	105	80	120				

Sample ID: **104865-008A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/8/2009**	RunNo: **107998**
Client ID: **P8**	Batch ID: **54598**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/10/2009**	SeqNo: **1693697**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.396	0.25						0.4176	5.20	20	

Sample ID: **104865-008A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/8/2009**	RunNo: **107998**
Client ID: **P8**	Batch ID: **54598**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/10/2009**	SeqNo: **1693698**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.069	0.25	5.000	0.4176	93.0	80	120				

Sample ID: **104865-008A-MSD**	SampType: **MSD**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/8/2009**	RunNo: **107998**
Client ID: **P8**	Batch ID: **54598**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/10/2009**	SeqNo: **1693699**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.983	0.25	5.000	0.4176	91.3	80	120	5.069	1.71	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Diane Galvan

From: David Watts [watts@geoconinc.com]
Sent: Tuesday, April 07, 2009 10:28 AM
To: Diane Galvan
Subject: RE: Results/EDD - GRAPEVINE TIF (104865)

Yes...thanks.

From: Diane Galvan [mailto:Diane@atlglobal.com]
Sent: Tuesday, April 07, 2009 10:25 AM
To: David Watts
Subject: RE: Results/EDD - GRAPEVINE TIF (104865)

Hi Dave,

The quickest TAT we can do for WET is 3-days. OK?

Diane

From: David Watts [mailto:watts@geoconinc.com]
Sent: Tuesday, April 07, 2009 9:09 AM
To: Diane Galvan
Subject: RE: Results/EDD - GRAPEVINE TIF (104865)

Please run WETs on the those >50. Thanks. (48hr)