

INFORMATION HANDOUT

PERMITS

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

STATE OF CALIFORNIA
DEPARTMENT OF FISH AND GAME

UNITED STATES ARMY CORPS OF ENGINEERS
(NON-REPORTING NATIONWIDE 404 PERMIT)

MATERIALS INFORMATION

LEAD PAINT SURVEY REPORT
(Prepared by GEOCON CONSULTANTS, Inc, Dated December 17-2010)

MATERIALS INFORMATION HANDOUT
Existing pavement materials for Cold-In-Place Recycling



Linda S. Adams
Secretary for
Environmental
Protection

California Regional Water Quality Control Board Central Valley Region

Katherine Hart, Chair

1685 E Street, Fresno, California 93706
(559) 445-5116 • Fax (559) 445-5910
<http://www.waterboards.ca.gov/centralvalley>



Arnold
Schwarzenegger
Governor

Zachary Parker, Senior Environmental Planner
California Department of Transportation
2015 E. Shields, Suite 100
Fresno, CA 93726

23 November 2010

CLEAN WATER ACT §401 TECHNICALLY CONDITIONED WATER QUALITY CERTIFICATION FOR DISCHARGE OF DREDGED AND/OR FILL MATERIALS FOR THE SR 190 AC OVERLAY/DRAINAGE IMPROVEMENT PROJECT, WDID#5C54CR00026, TULARE COUNTY

WATER QUALITY CERTIFICATION STANDARD CONDITIONS:

1. This Certification is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to §13330 of the California Water Code and §3867 of Title 23 of the California Code of Regulations (23 CCR).
2. This Certification is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent certification application was filed pursuant to 23 CCR § 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. The validity of any non-denial certification action shall be conditioned upon total payment of the full fee required under 23 CCR §3833, unless otherwise stated in writing by the certifying agency.
4. Certification is valid for the duration of the SR 190 AC Overlay/Drainage Improvement Project (Project) described in the attached "Project Information Sheet." This Certification is no longer valid if the Project (as summarized in the "Project Information Sheet" and described in the water quality certification application) is modified, or coverage under the project permit issued by the U.S. Army Corps of Engineers pursuant to § 404 of the Clean Water Act has expired. The California Department of Transportation (Discharger) shall notify the Central Valley Regional Water Quality Control Board (Central Valley Water Board) in writing within seven days of Project completion.
5. All reports, notices, or other documents required by this Certification or requested by the Central Valley Water Board shall be signed by a person described below or by a duly authorized representative of that person.
 - a. For a corporation: by a responsible corporate officer such as (1) a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function; (2) any other person who performs similar policy or decision-making functions for the corporation; or (3) the manager of one or more

California Environmental Protection Agency



- manufacturing, production, or operating facilities if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- b. For a partnership or sole proprietorship: by a general partner or the proprietor.
 - c. For a municipality, State, federal, or other public agency: by either a principal executive officer or ranking elected official.
6. Any person signing a document under Standard Condition No. 5 shall make the following certification, whether written or implied:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

ADDITIONAL TECHNICALLY CONDITIONED CERTIFICATION CONDITIONS:

In addition to the six standard conditions, the Discharger shall satisfy the following:

1. The Discharger shall notify the Central Valley Water Board in writing seven days prior to beginning any in-water activities.
2. Except for activities permitted by the U.S. Army Corps of Engineers under §404 of the Clean Water Act, soil, silt, or other organic materials shall not be placed where such materials could pass into surface water or surface water drainage courses.
3. All areas disturbed by Project activities shall be protected from washout or erosion.
4. The Discharger shall maintain a copy of this Certification and supporting documentation (Project Information Sheet) at the Project site during construction for review by site personnel and agencies. All personnel (employees, contractors, and subcontractors) performing work on the proposed Project shall be adequately informed and trained regarding the conditions of this Certification.
5. An effective combination of erosion and sediment control Best Management Practices (BMPs) shall be implemented and adequately working during all phases of construction.
6. All temporarily affected areas shall be restored to pre-construction contours and conditions upon completion of construction activities.
7. The Discharger shall perform surface water sampling: 1) When performing any in-water work; 2) In the event that Project activities result in any materials reaching surface waters or; 3) When any activities result in the creation of a visible plume in surface waters. The following monitoring shall be conducted immediately upstream out of the influence of the Project and approximately 300 feet downstream of the active work area. Sampling

results shall be submitted to this office by the first day of the second month following sampling. The sampling frequency may be modified for certain projects with written permission from the Central Valley Water Board.

| Parameter | Unit | Type of Sample | Frequency of Sample |
|---|-------------|---------------------|---|
| Turbidity | NTU | Grab | Every 4 hours during in-water work |
| Settleable Material | ml/L | Grab | Same as above |
| Visible construction related pollutants | Observation | Visible Inspections | Continuous throughout the construction period |

8. Activities shall not cause:

- (a) where natural turbidity is between 0 and 5 Nephelometric Turbidity Units (NTUs), increases exceeding 1 NTU;
- (b) where natural turbidity is between 5 and 50 NTUs, increases exceeding 20 percent;
- (c) where natural turbidity is between 50 and 100 NTUs, increases exceeding 10 NTUs;
- (d) where natural turbidity is greater than 100 NTUs, increases exceeding 10 percent.

In determining compliance with the above limits, appropriate averaging periods may be applied provided that beneficial uses will be fully protected. Averaging periods may only be used with prior permission of the Central Valley Water Board.

- 9. Activities shall not cause settleable material to exceed 0.1 ml/L in surface waters as measured in surface waters downstream from the Project.
- 10. The discharge of petroleum products or other excavated materials to surface water is prohibited. Activities shall not cause visible oil, grease, or foam in the work area or downstream. The Discharger shall notify the Central Valley Water Board immediately of any spill of petroleum products or other organic or earthen materials.
- 11. The Discharger shall notify the Central Valley Water Board immediately if any of the above conditions are violated, along with a description of measures it is taking to remedy the violation.
- 12. The Discharger shall comply with all California Department of Fish and Game Code Section 1602 requirements for the Project.
- 13. The Discharger must obtain coverage if under the *NPDES General Permit for Storm Water Discharges Associated with Construction Activities* issued by the State Water Resources Control Board for any project qualified for coverage under the permit guidelines.

14. In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under State law and section 401 (d) of the federal Clean Water Act. The applicability of any State law authorizing remedies, penalties, process, or sanctions for the violation or threatened violation constitutes a limitation necessary to ensure compliance with this Certification.
15. If the Discharger or a duly authorized representative of the Discharger fails or refuses to furnish technical or monitoring reports, as required under this Certification, or falsifies any information provided in the monitoring reports, the Discharger will be subject to civil liability, for each day of violation, or criminal liability.
16. In response to a suspected violation of any condition of this Certification, the Central Valley Water Board may require the Discharger to furnish, under penalty of perjury, any technical or monitoring reports the Central Valley Water Board deems appropriate, provided that the burden, including cost of the reports, shall be in reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
17. The Discharger shall allow staff of the Central Valley Water Board, or an authorized representative(s), upon the presentation of credentials and other documents, as may be required by law, to enter the Project premises for inspection, including taking photographs and securing copies of project-related records, for the purpose of assuring compliance with this Certification and determining the ecological success of the Project.

CENTRAL VALLEY WATER BOARD CONTACT PERSON:

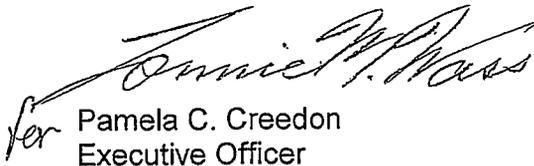
Debra Mahnke, Water Resource Control Engineer
1685 E Street
Fresno, CA 93706
(559) 445-6281
dmahnke@waterboards.ca.gov

WATER QUALITY CERTIFICATION:

I hereby issue an order certifying that the proposed discharge from the California Department of Transportation, SR 190 AC Overlay/Drainage Improvement Project, WDID# 5C54CR00026, will comply with the applicable provisions of §301 ("Effluent Limitations"), §302 ("Water Quality Related Effluent Limitations"), §303 ("Water Quality Standards and Implementation Plans"), §306 ("National Standards of Performance"), and §307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. This discharge is also regulated under State Water Resources Control Board Water Quality Order No. 2003-0017 DWQ "Statewide General Waste Discharge Requirements For Dredged Or Fill Discharges That Have Received State Water Quality Certification."

Except insofar as may be modified by any preceding conditions, all certification actions are contingent on (a) the discharge being limited to and all proposed mitigation being completed in strict compliance with the Discharger's project description, the attached "Project Information Sheet," and the Discharger's water quality certification application; and (b)

compliance with all applicable requirements of the Central Valley Water Board's *Water Quality Control Plan for the Tulare Lake Basin*, Second Edition, revised January 2004.


for Pamela C. Creedon
Executive Officer

Enclosure: Water Quality Order No. 2003-0017 DWQ
Attachment: Project Information Sheet

cc: Jason Brush, Supervisor, Wetlands Regulatory Office, U.S. Environmental Protection Agency, Region 9, San Francisco (email)
Paul Maniccia, Chief, Sacramento South Branch, Regulatory Unit, Department of the Army, Corps of Engineers, Sacramento
Bill Orme, Water Quality Certification Unit Chief, Division of Water Quality, State Water Resources Control Board, Sacramento (email)
Jeffrey Single, Regional Manager, San Joaquin Valley-Southern Sierra Region, California Department of Fish and Game, Fresno

PROJECT INFORMATION SHEET

Application Date: 27 September 2010

Applicant: California Department of Transportation

Applicant Representatives: Patricia Moyer

Project Name: SR 190 AC Overlay/Drainage Improvement Project

Application Number: WDID# 5C54CR00026

Type of Project: Drainage improvements

Project Location: Latitude: 36°03'04.59" and Longitude: -118°55'24.96"

Project Duration: January 2011 through November 2011

County: Tulare

Receiving Water(s) (hydrologic unit): Unnamed tributary of the Tule River, Tulare Lake Hydrologic Basin, South Valley Floor Hydrologic Unit #558.20, Tule Delta HA

Water Body Type: Un-vegetated Streambed

Designated Beneficial Uses: The *Water Quality Control Plan for the Tulare Lake Basin*, Second Edition, revised January 2004 designates beneficial uses for surface and ground waters within the region. Beneficial uses that could be impacted by the Project include: Agricultural Supply; Industrial Process Supply, Groundwater Recharge, Water Contact Recreation; Non-Contact Water Recreation; Warm Freshwater Habitat; Wildlife Habitat; and Rare, Threatened, or Endangered Species Habitat.

Project Description: The Project consists of overlaying the existing pavement, upgrading the turn lanes at Road 284 and Avenue 160, upgrading all non-standard guardrails, and replacing headwalls and extending culverts in three drainages.

Preliminary Water Quality Concerns: Increased sedimentation and erosion from construction disturbance.

Proposed Mitigation to Address Concerns: Construction within the drainage will occur only when the drainage is dry. The Discharger will implement Best Management Practices throughout the construction project to prevent water quality impacts in case of rain events.

Fill/Excavation Area: Approximately 76 cubic yards of clean soil and 6 cubic yards of concrete will be placed into 0.02 acres of un-vegetated streambed. Temporary impacts to 0.02 acres of un-vegetated streambed will be restored to pre-project condition.

Dredge Volume: None

U.S. Army Corps of Engineers Permit Number: Nationwide Permit #14

Department of Fish and Game Streambed Alteration Agreement: The Discharger applied for a Streambed Alteration Agreement on 2 September 2010.

Status of CEQA Compliance: The California Department of Transportation filed a Categorical Exemption for this project on 9 September 2010.

Compensatory Mitigation: None

Application Fee Provided: Total fees of \$640.00 have been submitted as required by 23 CCR §3833(b)(3)(A) and by 23 CCR §2200(e).

STATE WATER RESOURCES CONTROL BOARD

WATER QUALITY ORDER NO. 2003 - 0017 - DWQ

**STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS FOR
DREDGED OR FILL DISCHARGES THAT HAVE RECEIVED
STATE WATER QUALITY CERTIFICATION (GENERAL WDRs)**

The State Water Resources Control Board (SWRCB) finds that:

1. Discharges eligible for coverage under these General WDRs are discharges of dredged or fill material that have received State Water Quality Certification (Certification) pursuant to federal Clean Water Act (CWA) section 401.
2. Discharges of dredged or fill material are commonly associated with port development, stream channelization, utility crossing land development, transportation water resource, and flood control projects. Other activities, such as land clearing, may also involve discharges of dredged or fill materials (e.g., soil) into waters of the United States.
3. CWA section 404 establishes a permit program under which the U.S. Army Corps of Engineers (ACOE) regulates the discharge of dredged or fill material into waters of the United States.
4. CWA section 401 requires every applicant for a federal permit or license for an activity that may result in a discharge of pollutants to a water of the United States (including permits under section 404) to obtain Certification that the proposed activity will comply with State water quality standards. In California, Certifications are issued by the Regional Water Quality Control Boards (RWQCB) or for multi-Region discharges, the SWRCB, in accordance with the requirements of California Code of Regulations (CCR) section 3830 et seq. The SWRCB's water quality regulations do not authorize the SWRCB or RWQCBs to waive certification, and therefore, these General WDRs do not apply to any discharge authorized by federal license or permit that was issued based on a determination by the issuing agency that certification has been waived. Certifications are issued by the RWQCB or SWRCB before the ACOE may issue CWA section 404 permits. Any conditions set forth in a Certification become conditions of the federal permit or license if and when it is ultimately issued.
5. Article 4, of Chapter 4 of Division 7 of the California Water Code (CWC), commencing with section 13260(a), requires that any person discharging or proposing to discharge waste, other than to a community sewer system, that could affect the quality of the waters of the State,¹ file a report of waste discharge (ROWD). Pursuant to Article 4, the RWQCBs are required to prescribe waste discharge requirements (WDRs) for any proposed or existing discharge unless WDRs are waived pursuant to CWC section 13269. These General WDRs fulfill the requirements of Article 4 for proposed dredge or fill discharges to waters of the United States that are regulated under the State's CWA section 401 authority.

¹ "Waters of the State" as defined in CWC Section 13050(e)

6. These General WDRs require compliance with all conditions of Certification orders to ensure that water quality standards are met.
7. The U.S. Supreme Court decision of *Solid Waste Agency of Northern Cook County v. U.S. Army Corps of Engineers*, 531 U.S. 159 (2001) (the *SWANCC* decision) called into question the extent to which certain "isolated" waters are subject to federal jurisdiction. The SWRCB believes that a Certification is a valid and enforceable order of the SWRCB or RWQCBs irrespective of whether the water body in question is subsequently determined not to be federally jurisdictional. Nonetheless, it is the intent of the SWRCB that all Certification conditions be incorporated into these General WDRs and enforceable hereunder even if the federal permit is subsequently deemed invalid because the water is not deemed subject to federal jurisdiction.
8. The beneficial uses for the waters of the State include, but are not limited to, domestic and municipal supply, agricultural and industrial supply, power generation, recreation, aesthetic enjoyment, navigation, and preservation and enhancement of fish, wildlife, and other aquatic resources.
9. Projects covered by these General WDRs shall be assessed a fee pursuant to Title 23, CCR section 3833.
10. These General WDRs are exempt from the California Environmental Quality Act (CEQA) because (a) they are not a "project" within the meaning of CEQA, since a "project" results in a direct or indirect physical change in the environment (Title 14, CCR section 15378); and (b) the term "project" does not mean each separate governmental approval (Title 14, CCR section 15378(c)). These WDRs do not authorize any specific project. They recognize that dredge and fill discharges that need a federal license or permit must be regulated under CWA section 401 Certification, pursuant to CWA section 401 and Title 23, CCR section 3855, et seq. Certification and issuance of waste discharge requirements are overlapping regulatory processes, which are both administered by the SWRCB and RWQCBs. Each project subject to Certification requires independent compliance with CEQA and is regulated through the Certification process in the context of its specific characteristics. Any effects on the environment will therefore be as a result of the certification process, not from these General WDRs. (Title 14, CCR section 15061(b)(3)).
11. Potential dischargers and other known interested parties have been notified of the intent to adopt these General WDRs by public hearing notice.
12. All comments pertaining to the proposed discharges have been heard and considered at the November 4, 2003 SWRCB Workshop Session.
13. The RWQCBs retain discretion to impose individual or General WDRs or waivers of WDRs in lieu of these General WDRs whenever they deem it appropriate. Furthermore, these General WDRs are not intended to supersede any existing WDRs or waivers of WDRs issued by a RWQCB.

IT IS HEREBY ORDERED that WDRs are issued to all persons proposing to discharge dredged or fill material to waters of the United States where such discharge is also subject to the water quality certification requirements of CWA section 401 of the federal Clean Water Act (Title 33 United States Code section 1341), and such certification has been issued by the applicable RWQCB or the SWRCB, unless the applicable RWQCB notifies the applicant that its discharge will be regulated through WDRs or waivers of WDRs issued by the RWQCB. In order to meet the provisions contained in Division 7 of CWC and regulations adopted thereunder, dischargers shall comply with the following:

1. Dischargers shall implement all the terms and conditions of the applicable CWA section 401 Certification issued for the discharge. This provision shall apply irrespective of whether the federal license or permit for which the Certification was obtained is subsequently deemed invalid because the water body subject to the discharge has been deemed outside of federal jurisdiction.
2. Dischargers are prohibited from discharging dredged or fill material to waters of the United States without first obtaining Certification from the applicable RWQCB or SWRCB.

CERTIFICATION

The undersigned, Clerk to the Board, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the State Water Resources Control Board held on November 19, 2003.

AYE: Arthur G. Baggett, Jr.
Peter S. Silva
Richard Katz
Gary M. Carlton
Nancy H. Sutley

NO: None.

ABSENT: None.

ABSTAIN: None.



Debbie Irvin
Clerk to the Board



**DISTRICT 6 ENVIRONMENTAL
1602 AGREEMENT
MAINTENANCE NOTIFICATION
VERIFICATION REQUEST FORM (VRF)**

| |
|---|
| <input checked="" type="checkbox"/> ORIGINAL REQUEST <input type="checkbox"/> REVISION NO. _____ |
| Date of Request 9.02.2010 |

| | |
|---|---|
| Name of Requestor: Patricia Moyer Cost Center (EA): 06-337401 Maintenance Region: TUL-190 | Phone Number: 559 243 8305 Cell Number/ Pager: 559 349 6470 E-Mail: Patricia_Ann_Moyer@dot.ca.gov |
| Project Start Date: April 1, 2011 | Project End Date: November 1, 2011 |

Location of Work (County/Route/Post Mile):

- TUL-190 PM 21.38
- TUL-190 PM 21.95
- TUL-190 PM 21.99

Name of Stream: unnamed seasonal drainages, tributaries to the Tule River

Nearest landmark, crossroad or other identifier: TUL-190, east of City of Porterville

Latitude/Longitude (in Degrees and Minutes): 118 55'56.32 W/36 01'51.09 N, 118 55'25.31 W/36 03'04.74 N and 118 55'23.11 W/36 03'06.05 N

| Maintenance Activities | |
|--|---|
| <p style="text-align: center;"><u>Type of Work</u></p> <input type="checkbox"/> Sediment Removal (Amount of material to remove below obvious flow line <input type="checkbox"/> (cubic yards) <input type="checkbox"/> Sediment will be removed with Vactor <input type="checkbox"/> Equipment can work off bank <input type="checkbox"/> Equipment must work from within stream channel <input type="checkbox"/> Hand removal of vegetation <input type="checkbox"/> Tree Thinning <input type="checkbox"/> Tree Removal (By Hand) <input type="checkbox"/> Vegetation removal will include removal of roots <input type="checkbox"/> Herbicide to stump <input type="checkbox"/> Minor Bridge work (cleaning, painting etc.) <input type="checkbox"/> Repair of damaged RSP <input type="checkbox"/> Work will occur in live channel <input type="checkbox"/> Other: | <p style="text-align: center;"><u>Routine Work Requiring Variance</u></p> <input type="checkbox"/> Work will occur outside RMA Dates <input type="checkbox"/> Access to be created down to waterway <input type="checkbox"/> Other: |
| | <p style="text-align: center;"><u>Equipment</u></p> <input type="checkbox"/> Chainsaw/Clippers <input checked="" type="checkbox"/> Backhoe/ grade-all <input checked="" type="checkbox"/> Excavator <input type="checkbox"/> Vactor <input checked="" type="checkbox"/> Other: Bobcat loader. Handcompactor |

Description of Proposed Maintenance Work

The California Department of Transportation is proposing culvert repair and maintenance work at 11 locations on State Route 190, Tulare County, California between the Post Mile (PM) of 21.1-26.4. Three of these locations, Location 5 PM 21.38, location 7 PM 21.95 and Location 8 PM 21.99 have been identified by CDFG to be CDFG jurisdictional. Project activities are as described below:

Location 5: Remove existing headwall, extend corrugated metal pipe, construct new headwall, both sides

Location 7: Remove existing headwall on south side of SR 190. Extend existing pipe and construct new headwall on south side only.

Location 8: Remove existing headwall, remove existing pipe and replace with 24" Corrugated Pipe. Add flared end sections

All project related activities will occur within the existing right-of-way.

Section 2: Biological Information

Area Biologist: Patricia Moyer
Phone: 559 243 8305
E-Mail: Patricia_Ann_Moyer@dot.ca.gov

Field Review Conducted By: Laura Peterson-Diaz, Patricia Moyer

Date(s) of Biological Field Review: August 31, 2010

Need CESA/FESA Consultation/ Species:

Known Sensitive Resources: VELB, Striped adobe lily, San Joaquin adobe sunburst, Keck's checkerbloom, San Joaquin kit

Restrictions on Work: no heavy equipment in creek beds; no excess vegetation removal; no vegetation removal over 4 inches in diameter at breast height; no activity in creek beds beyond 50 feet

Habitat Classification: grassland

Comments:

Routine Work 10 days Notice

Urgent – minimum 2 day notice (describe urgency below)

Emergency – work to begin immediately (describe emergency below)

Comments:

Section 3: DFG Approval

In accordance with Provisions 1 and 2 of the Agreement between the California Department of Fish and Game (DFG) and the California Department of Transportation (Caltrans) for Routine Maintenance in waterways within/adjacent to State Right of Way for the purposes of protecting and maintaining the state highway system. Caltrans hereby notifies DFG of its intent to perform routine maintenance work within a waterway covered in the Agreement.

DFG Contact Information

Name: Laura Peterson-Diaz

Phone Number: (559)243-4014 x225

E-Mail: lpdiaz@dfg.ca.gov

Date Submitted to DFG by Caltrans: **9-2-10**

Date DFG Responded to Caltrans: **9-3-10**

Notice of Concurrence

Work can begin as scheduled

Work can begin immediately

Notice of concurrence with conditions (See DFG comments below)

Work can begin as scheduled

Work can begin immediately

Notice of non-concurrence with comments (See DFG Comments below)

Laura Peterson-Diaz
Environmental Scientist
Caltrans Liaison
DFG/Central Region
1234 East Shaw Avenue
Fresno, CA 93710

Nationwide Permit # 14 Application

Project Information

District No: 6 Project Title: AC Overlay and Improvements

County: Tulare Project EA: 337401

Route: 190 Post Miles: 21.38, 21.95 and 21.99

Project Manager: Steven Milton Phone No.: (559) 243-3456

Project Biologist/Contact: Patricia A. Moyer Phone No.: (559) 243-8305

7.5-Minute Quadrangle Name: Success Dam and Globe

Waterway/Watershed: Tule River

Project Description

The California Department of Transportation (Caltrans) is proposing to construct an Asphalt Concrete Overlay, Metal Beam Guardrail Replacement, with drainage improvements and headwall relocation on State Route 190, in Tulare County, California. Three drainages included in drainage improvements connect to the Tule River and therefore fall under the jurisdiction of the ACOE.

Drainage improvements will include:

PM 21.38 Remove headwall, extend corrugated metal pipe and construct new headwall on both sides

PM 21.95 Remove headwall on south side, extend pipe on south side and construct new headwall on south side

PM 21.99 remove headwall on both sides, reconstruct headwall on the south side, remove exiting pipe and replace with 24" corrugated metal pipe, add flared end sections

Purpose and Need

The purpose of the proposed project is to maintain and improve the existing State Route system, specifically extend the life of the pavement on SR 190 so that the roadway will require minimal maintenance. The project will also replace, upgrade and/or remove other highway facilities that are failing, worn out or obsolete. The Need thus is to conform to current highway design standards and to provide a safe and functional facility to the traveling public, while reducing future maintenance requirements.

Project Schedule

A State Categorical Exemptions and a Federal Categorical Exclusion (attached) for the proposed AC Overlay project has been completed on September 9, 2010.

Project Plans, Specifications and Estimates (final engineering plans) are being completed by October 2010 (Ready to List).

The project contract will be awarded and approved in spring of 2011.

Construction activities are expected to begin in the spring of 2011 and end in the fall of 2011. Construction activities will be conducted by a contractor under the authority of the Department of Transportation, Central Region office, at 2015 East Shields, Suite 100; Fresno, California; 93726. The estimated total cost for this project is \$ 4,800,000.

Construction

Equipment used for this type of project would typically include a backhoe, hand compactor and a bobcat. Construction activities would normally be limited to daylight hours.

Work in the drainages will be limited to the minimum amount actually needed for the construction of the drainage improvements.

The contractor is required to develop and submit to the Caltrans Resident Engineer a written Storm Water Pollution Prevention Plan (SWPPP). The SWPPP will identify the Best Management Practices (BMP's) that will be followed during the work. All construction work including parking and maintenance of equipment, project access, logistics, storage of materials, and other project-related activities will be subject to these BMP's. BMP's will include, but are not limited to, temporary fiber rolls, temporary drainage inlet protection and permanent rock slope protection at some locations.

A soil erosion risk assessment will also be prepared for this project. An Annual Storm Water Report will be submitted to the RWQCB.

Lead Federal Agency

The proposed project receives federal funding. Outside of the ACOE NW #14 Section 404 permit, no other federal permits are required for the proposed project.

Federal Endangered Species Act (FESA)

The proposed project will not affect any federally listed special-status species.

Essential Fish Habitat Consultation (EFH)

There is no Essential Fish Habitat in the project area.

Permit Being Requested (check one that applies)

Reporting Nationwide Permit (NWP) Non-Reporting NWP

A Nationwide Permit #14 has been completed

Corps Authority Information

Section 10:

Section 10 of the Rivers and Harbors Act requires authorization from the Secretary of the Army, acting through the Army Corps of Engineers (ACOE), for the construction of any structure in or over any navigable water of the United States. The three tributaries to the Tule River are not a navigable waterway, however, they connect to the Tule River, which at some point was a navigable waterway and has now been dammed by the ACOE to create adjacent Lake Success.

Section 404:

A Section 404 permit is required from the ACOE when a project requires fill or other modification of waters of the U. S. Caltrans proposes to permanently fill 0.02 acres [83 cubic yards (64 m³)] of the waters of the United States in 3 unnamed tributaries of the Tule River in the form of cross culvert extensions and headwall construction. During construction, there will be less than 1/10 acre total of temporary impacts to waters of the U. S. in the form of construction activities, equipment movement, and access into the waterway bottoms.

All temporary disturbances to waters of the U. S. will be restored to pre-project conditions.

Minimal Impact Criteria

The project should result in minimum permanent impact to the aquatic environment.

The project construction will be scheduled for dry weather season. Before construction activities begin, the contractor is required to develop and submit to Caltrans a written Storm Water Pollution Prevention Plan (SWPPP). The SWPPP will identify the Best Management Practices (BMP's) that will be followed during the work. BMP's will include temporary fiber rolls and temporary drainage inlet protection, as well as permanent rock slope protection at some locations.

Temporary disturbance of the waterways is estimated not to exceed 0.02 acres, but will be limited to the minimum required for construction of the improvements and access of equipment to the work area. Any portion of the creek banks temporarily reconfigured for ramped access will be returned to pre-existing elevation, slope and contour.

Any spills of hazardous materials within sensitive habitats shall be cleaned up immediately. Such spills shall be reported to the ACOE and the resource agencies.

Permit Compliance Information

Compliance with Nationwide General Conditions:

1. Navigation: Since these unnamed tributaries are not navigable rivers, this action will not have an adverse affect on navigation.

2. Proper Maintenance: The maintenance of the drainage improvements will be the responsibility of Caltrans.
3. Soil Erosion and Sedimentation Controls: The culvert improvements are intended to convey water to reduce erosion and promote localized sedimentation. Temporary and permanent BMP's will be implemented, such as temporary fiber rolls and temporary drainage inlet protections to avoid and minimize soil erosion and sedimentation. Rock slope protection at some locations will provide permanent soil erosion and sedimentation controls.
4. Aquatic Life Movements: No disruption of aquatic life movement will take place as a result of this project, because near normal downstream flows will be maintained. The passage of normal or expected high water flows-and thus the aquatic life movements- will not be restricted or impeded.
5. Equipment: All equipment used in the streambeds to construct the improvements will be promptly removed after project completion.
6. Regional and Case-by-Case Conditions: Project will comply with any regional or case specific conditions added by the ACOE or the State in its 401 Certification.
7. Wild and Scenic Rivers: There are no wild and scenic rivers within the project area.
8. Tribal Rights: There are no tribal rights issues within the project area.
9. Water Quality: A 401-certification package has been completed and submitted to the State Regional Water Quality Control Board.
10. Coastal Zone Management: Does not apply to this project.
11. Endangered Species: The above activities will not affect any federally or state listed special-status species. No critical habitat will be affected.
12. Historic Properties: There are no historic properties listed, or eligible for listing, in the National Register of Historic Places within the project area.
13. Notification: A non-reporting NWP # 14, non emergency project, does not require a pre-construction notification.
14. Compliance Certification: Caltrans will submit a signed certification regarding the completed work to ACOE.
15. Use of Multiple Nationwide Permits: Caltrans is only applying for a NWP # 14 for this project.

16. Water Supply Intakes: There will be no discharge of dredged or fill material in the proximity of a public water supply intake.
17. Shellfish Beds: There are no areas of concentrated shellfish production within the project area.
18. Suitable Material: Fill will consist only of native soil derived from the same project and rock imported from a commercial site meeting Caltrans material standards.
19. Mitigation: This project has been designed and will be scheduled to avoid and minimize permanent impacts to waters of the United States. Temporary impacts will be kept to the minimum necessary to complete the project. Temporary impacts, such as cutting the banks to create access ramps to the creek bottoms, will be reversed to bring the creeks back to their pre-existing slopes and contours.
20. Spawning Areas: There are no spawning areas within the project area.
21. Management of Water Flows: The structures and fill material will withstand expected high flows.
22. Adverse Effects From Impoundment: No impoundment is expected as a result of this project. Caltrans intends to construct during periods of no or minimal flows. If unexpected flows develop, and if necessary, Caltrans will either suspend the work or divert creek water through the project site away from construction activities. Normal downstream flows will be maintained.
23. Waterfowl Breeding Areas: There are no waterfowl breeding areas within the project area.
24. Removal of Temporary Fills: Any temporary fill used in this project will be removed and the fill area will be returned to pre-existing elevation and contour. Any disturbed banks will be returned to original slopes and compacted.
25. Designated Critical Waters: There are no designated critical resource waters within the project area.
26. Fills within 100-Year Floodplains: No Floodplain Evaluation was performed. However, a preliminary investigation by Caltrans Hydraulics Department based on the proposed action did not show any significant floodplain encroachment as defined in FHPM 6-7-3-2, paragraph 4q.

Nationwide Permit Requested

Nationwide Permit # 14: Linear Transportation Project

NWP # 14 authorizes activities required for the construction, expansion, modification, or improvement of linear transportation projects in waters of the United States. A Categorical Exclusion/Categorical Exemption was signed for this project on 9/9/2010 (Enclosed).

Project Impact Information [Area Affected (acres)]

| | |
|---|----------------------------------|
| Wetlands (permanent): | none |
| Wetlands (temporary): | none |
| Waters of the US (permanent): | less than 1/10 acre (0.02 acres) |
| Waters of the US (temporary): | less than 1/10 acre (0.02 acres) |
| Linear extent of impact within ACOE jurisdiction: | 100 feet (33 meters) |

Project Mitigation Information

The project is designed to not to restrict or impede the passage of normal or expected high water flows.

This project will be constructed to avoid and minimize adverse impacts to waters of the U.S. Temporary impacts will be kept to the minimum necessary to complete the project, but will not exceed a maximum of 1/10 acre. Permanent impacts are below 1/10 acre.

Before construction activities begin, the contractor is required to develop and submit to Caltrans a written SWPPP identifying the Best Management Practices (BMP's) that will be employed during the work. Standard BMP's include temporary fiber rolls, temporary drainage inlet protection and permanent rock slope protection at some locations.

Any temporary fill used for access ramps into the creeks will be removed and the fill area will be returned to pre-existing condition. Any disturbed banks will be returned and compacted to original slope, elevation and contour.

No trees will be removed. No vegetation is to be removed.

Any spills of hazardous materials shall be cleaned up immediately. If they present a potential hazard to waters of the U. S. and/or wildlife, such spills shall be reported to the ACOE and the resource agencies.

Based on the information provided above, I hereby certify that this project qualifies for a Nationwide Permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344) and Section 10 of the U.S. Rivers and Harbors Act (33 U.S.C. 406) and that the District of the Engineer of the U.S. Army Corps of Engineers.

Prepared By: Patricia A. Moyer Date: 9/21/2010
Patricia Ann Moyer, Associate Environmental Planner/Biologist
California Department of Transportation
Southern San Joaquin Valley Environmental Management Branch

Approved By: Zachary Parker Date: 9/21/10
Zachary Parker, Branch Chief
California Department of Transportation
Central Region Biology Branch

Attachments:

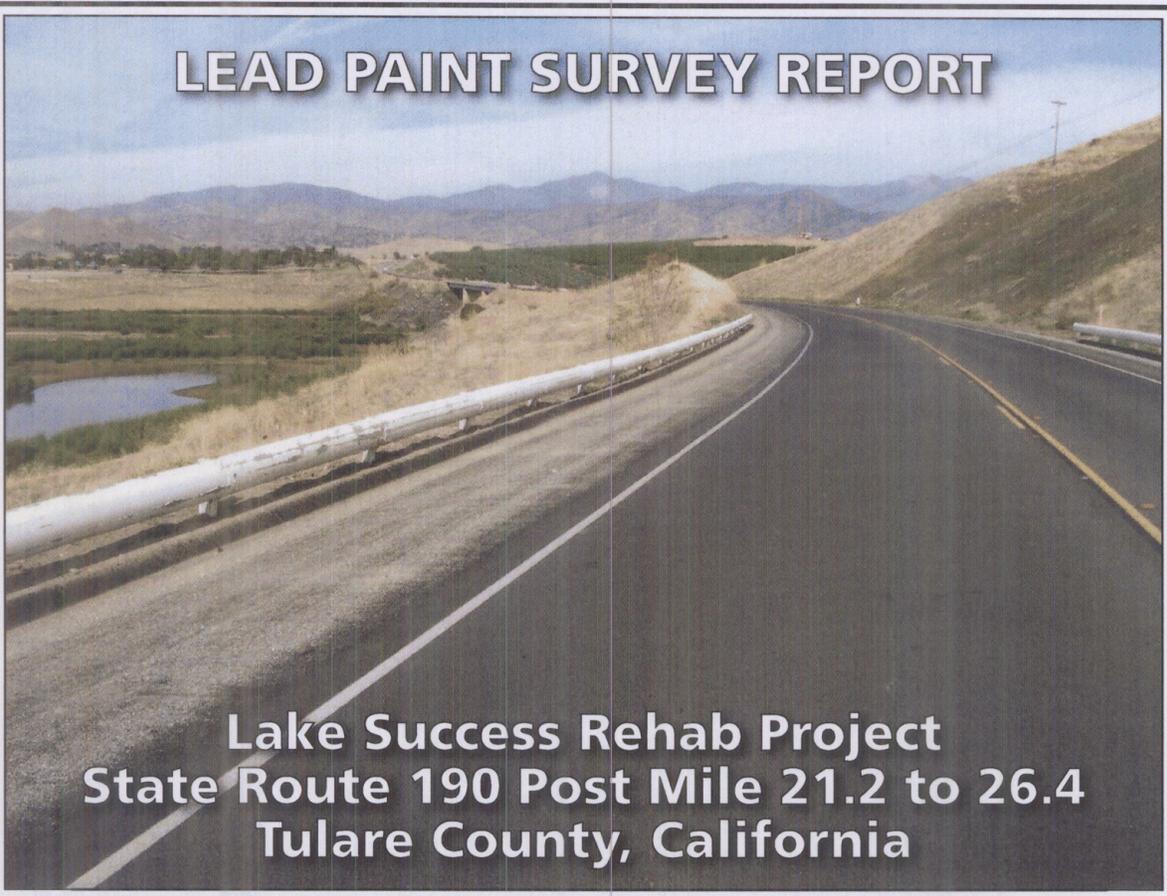
Federal Categorical Exclusion

Project Construction Plans/Aerial Map with Construction Details

USGS 7.5' Globe, Success Dam

Quadrangle Topographic Maps

LEAD PAINT SURVEY REPORT



Lake Success Rehab Project
State Route 190 Post Mile 21.2 to 26.4
Tulare 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. S9525-06-05
TASK ORDER NO. 5, EA 06-337401
CONTRACT NO 06A1580**

DECEMBER 2010



Project No. S9525-06-05
December 17, 2010

Gary Gagliolo, Task Order Manager
Caltrans – District 6
2015 E. Shields Avenue, Suite 100
Fresno, California 93726

Subject: LAKE SUCCESS REHAB PROJECT
STATE ROUTE 190, POST MILE 21.2 TO 26.4
TULARE COUNTY, CALIFORNIA
CONTRACT NO. 06A1580
TASK ORDER NO. 5, EA NO. 06-337401
LEAD PAINT SURVEY REPORT

Dear Mr. Gagliolo:

In accordance with California Department of Transportation Contract No. 06A1580 and Task Order No. 5, we have performed a lead paint survey for the subject project in Tulare County, California. The scope of services included surveying the metal beam guardrails on State Route 190 between Porterville and Springville for suspect lead-containing paint, collecting paint samples, and submitting the samples to a laboratory for analysis.

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.

Chris Giuntoli, CAC
Senior Project Scientist

John E. Juhrend, PE, CEG
Project Manager

(3 + 2 CDs) Addressee

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FIGURES

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APPENDIX

- A. Analytical Laboratory Reports and Chain-of-custody Documentation

LEAD PAINT SURVEY REPORT

1.0 INTRODUCTION

This lead paint survey report was prepared by Geocon Consultants, Inc. under Caltrans Contract No. 06A1580, Task Order No. 5 (TO-5).

1.1 Project Description

The project will consist of replacing metal beam guardrail (MBGR) along eastbound and westbound State Route 190 (SR-190) from Post Mile (PM) 21.2 to PM 26.4, between Porterville and Springville in Tulare County, California. The 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-5 was to determine the presence and quantity of deteriorated lead-containing paint (LCP) at the project location prior to MBGR removal activities. Caltrans will use the information obtained from this investigation for waste profiling, determining California Occupational Safety and Health Administration (Cal/OSHA) applicability, and coordinating LCP disturbance activities.

It was not Geocon's intent during this inspection to conduct an evaluation of lead-based paint hazards in accordance with United States 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 Lead Paint

Construction activities (including renovation and 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 separating from a component. Renovation or 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.

2.2 Architectural Drawings and Previous Survey Activities

Structure architectural plans and previous survey reports were not available for our review.

3.0 SCOPE OF SERVICES

Mr. Chris Giuntoli, a Certified Lead Paint Inspector/Assessor with the California Department of Public Health (DPH), certification number I-5502 (expiration June 14, 2011), completed the LCP survey at the project location on November 18, 2010.

A total of 20 bulk paint samples were collected from 12 MBGR segments at the project location. Our paint sampling procedures are discussed below:

- Collected representative bulk samples of suspect LCP using techniques presented in HUD guidelines. In addition, the painted areas were evaluated for evidence of deterioration such as flaking or cracking.

- Relinquished paint samples to Advanced Technology Laboratories (ATL), a California-licensed laboratory, for total lead analysis in accordance with EPA Test Method 6010B under standard chain-of-custody procedures. Additionally, one sample was analyzed using citric acid (WET) extractant following EPA Test Method 6010B, and six samples were analyzed for TCLP soluble lead following EPA Test Methods 1311/6010B. ATL is accredited by the California DPH for lead analysis. The laboratory analyses were requested on a standard turn-around-time.

Geocon paint sample identification numbers, paint descriptions, approximate peeling/flaking quantities, and photo references are summarized in Table 1. Approximate sample locations are presented on Figure 2.

4.0 INVESTIGATIVE RESULTS

Samples representing approximately 1,480 square feet of deteriorated white paint (cumulative deteriorated LCP present on 12 MBGR segments) used on MBGR exhibited total lead concentrations ranging from 980 to 5,300 mg/kg, a soluble (WET) lead concentration of 15 mg/l, and soluble (TCLP) lead concentrations ranging from less than (<)0.05 to 1.4 mg/l.

A summary of the analytical laboratory test results for LCP is presented in Table 1. Reproductions of the laboratory reports and chain-of-custody documentation are presented in Appendix A.

5.0 RECOMMENDATIONS

Based on the analytical test results, we recommend that peeling/flaking paints on the MBGR segments within the project limits (a California hazardous waste based on lead content) be removed and disposed of prior to demolition or other activities that would disturb the material. We also recommend that any intact paints stripped from the MBGR segments during planned renovation or demolition be disposed of as a California hazardous waste.

The Cal/OSHA lead standard will apply to any maintenance, renovation, or demolition activity that disturbs any LCP identified during our survey. In accordance with Title 8, CCR, Section 1532.1(p), written notification to the nearest Cal/OSHA district office is required at least 24 hours prior to certain lead-related work.

Contractors disturbing LCP should be required to use personnel who have lead-related construction certification as supervisors or workers, as appropriate, from the California DPH for LCP removal work. Loose and peeling/flaking LCP require removal prior to demolition for waste segregation purposes: to separate potentially hazardous waste (Category III concentrated lead such as loose paint, paint sludge, vacuum debris, and vacuum filters) from non-hazardous demolition debris (Category II intact lead-painted architectural components such as doors, windows, framework, cladding, and trim). Category I

waste is low lead waste (typically non-hazardous) such as construction materials, filtered wash water, and plastic sheeting. Contractors are responsible for informing the landfill of the contractor's intent to dispose of RCRA waste, California hazardous waste, and/or architectural components containing intact LCP. Some landfills may require additional waste characterization. Contractors are responsible for segregating and characterizing waste streams prior to disposal.

6.0 REPORT LIMITATIONS

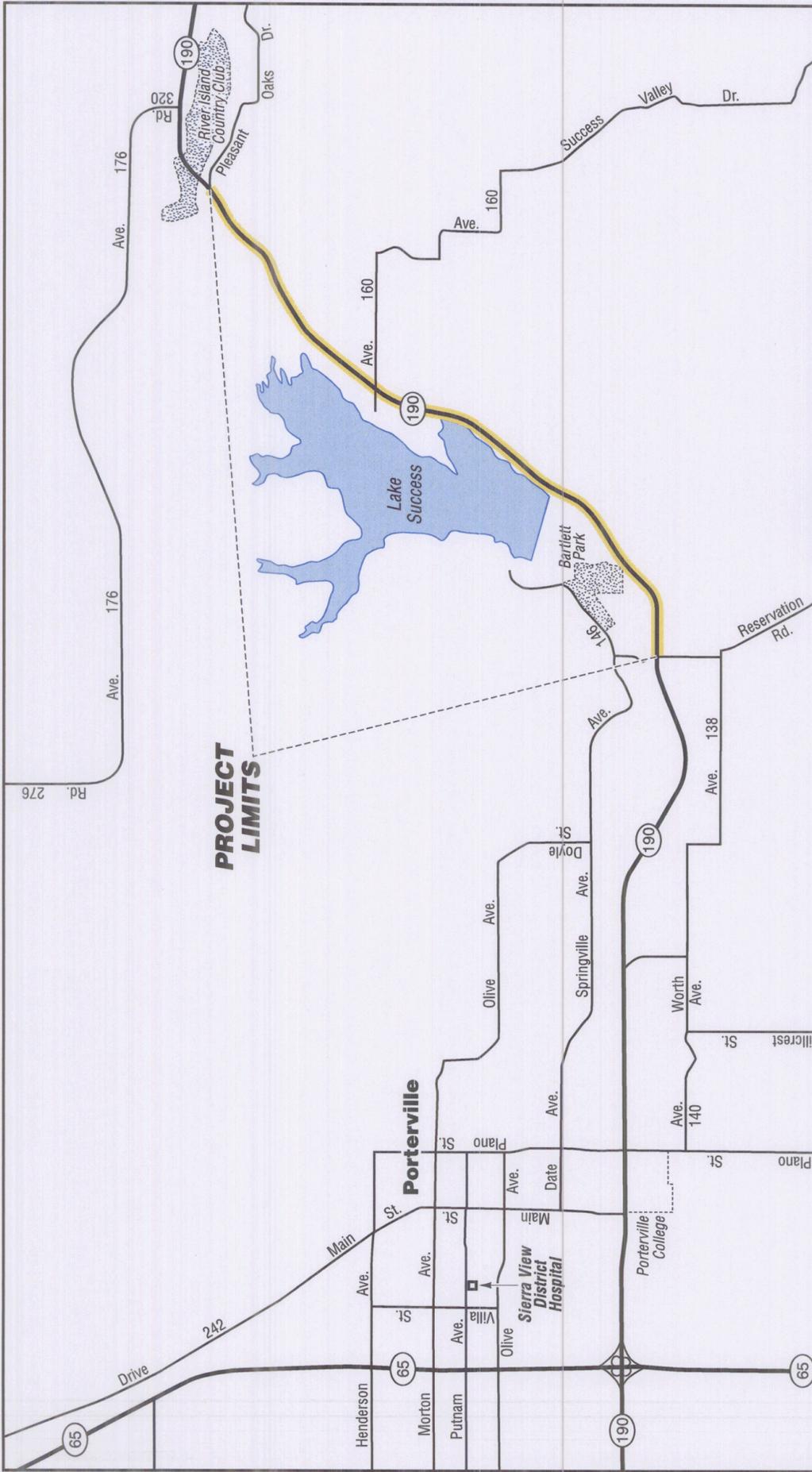
This LCP survey was conducted in conformance with generally accepted standards of practice for identifying and evaluating LCP in structures. The survey addressed only the structures identified in Section 1.1. Due to the nature of structure surveys, LCP use, and laboratory analytical limitations, some LCP at the project location may not have been identified. 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 LCP is found, additional sampling and analysis should be performed to determine if the material contains 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.

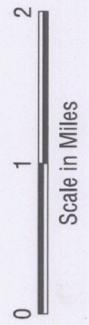
This report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing performed. In addition, the information obtained is not intended to address potential impacts 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.

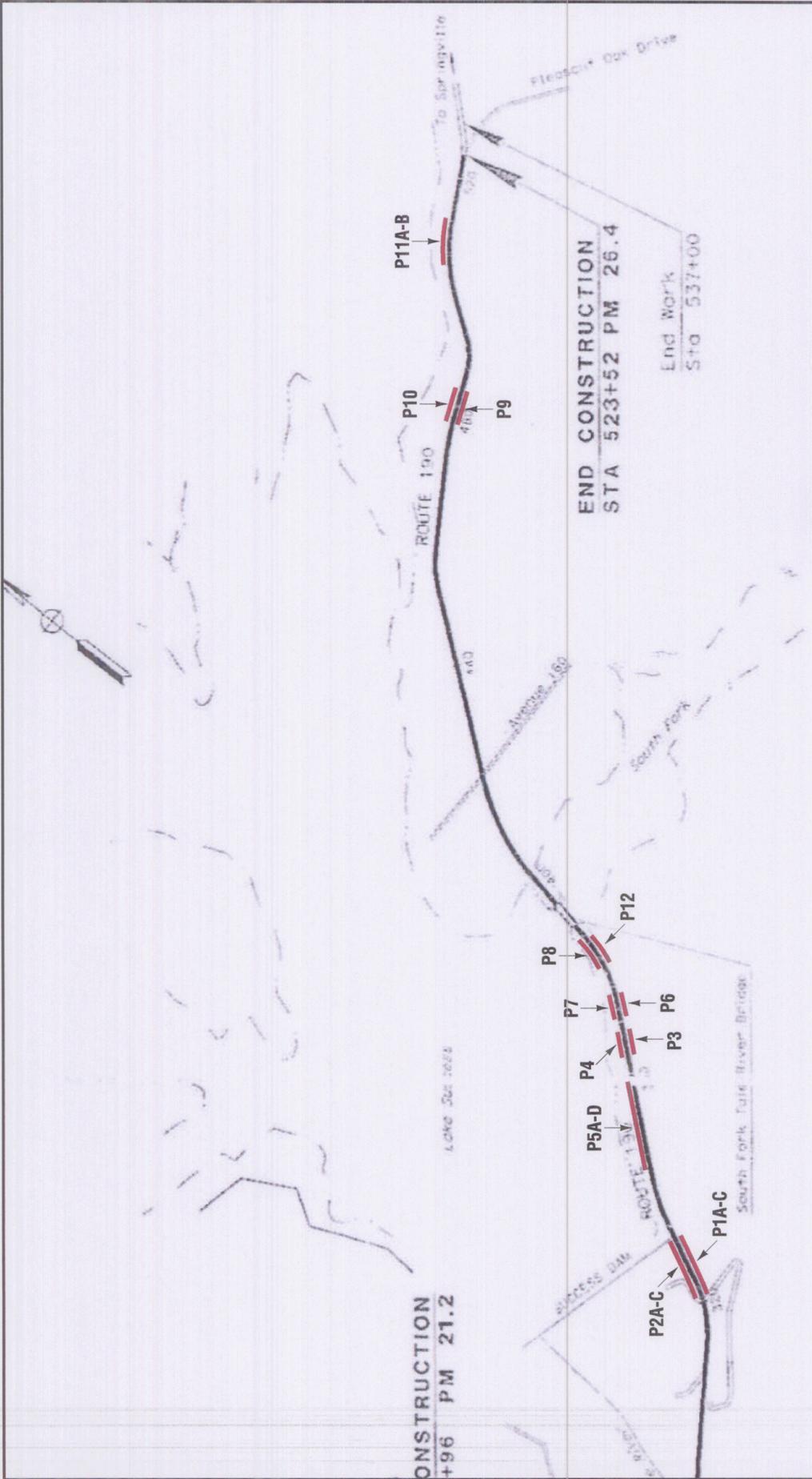
The contents of this report reflect the views of the author who is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the State of California or the Federal Highway Administration. This report does not constitute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



3160 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742
 PHONE 916.652.9110 - FAX 916.652.9132

| | |
|--|---------------------|
| Lake Success Rehab Project State Route 190 Post Mile 21.2 and 26.4 | |
| Tulare County, California GEOCON Proj. No. S9525-06-05 | VICINITY MAP |
| Task Order No. 05, EA 06-337401 | December 2010 |
| Figure 1 | |





3180 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742
 PHONE 916.852.9118 - FAX 916.852.9132

| | |
|---|------------------|
| Lake Success Rehab Project State Route 190 Post Mile 21.2 and 26.4 | |
| Tulare County, California | SITE PLAN |
| GEOCON Proj. No. S9525-06-05 | |
| Task Order No. 05, EA 06-337401 | December 2010 |
| | Figure 2 |

- LEGEND:
- Metal Beam Guardrail Segments
 - P1A Approximate Paint Sample Location

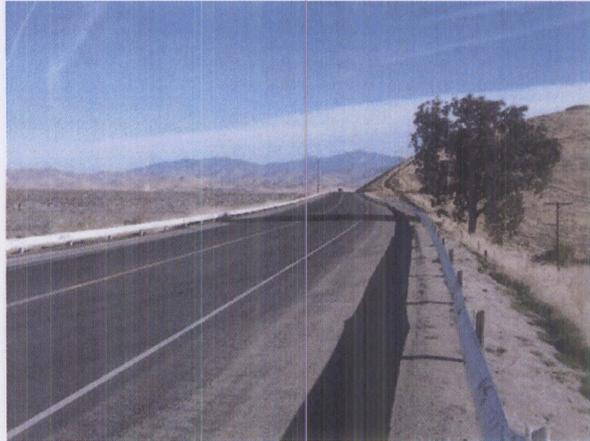


Photo 1 – Metal beam guardrail (MBGR) Segments 1 and 2 at western portion of the project area



Photo 2 – Typical deteriorated lead-containing paint at MBGR Segments 1 and 2

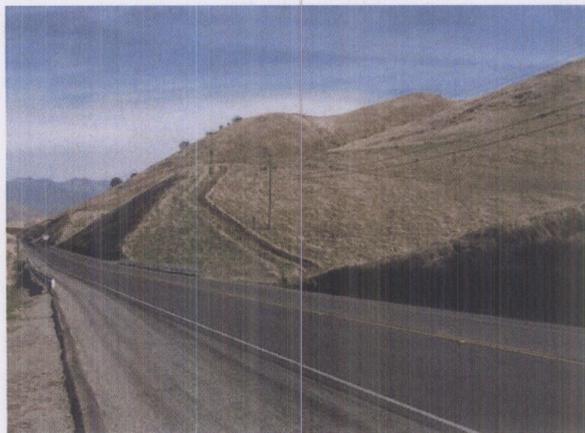


Photo 3 – MBGR Segments 3 and 4



GEOCON
CONSULTANTS, INC.

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PHOTOGRAPHS 1, 2, & 3

Lake Success Rehab Project
State Route 190, Post Mile 21.2 to 26.4
Tulare County, California

S9525-06-05

December 2010

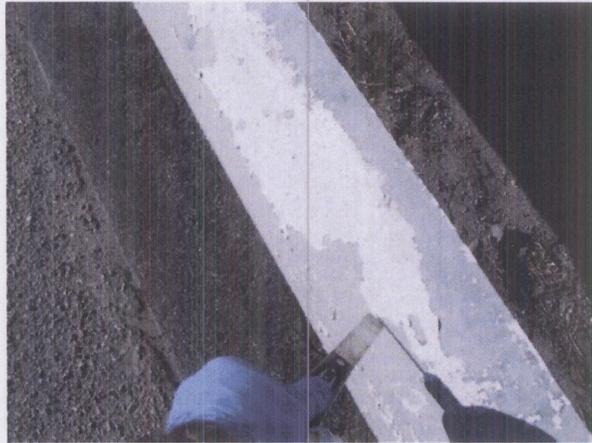


Photo 4 – Typical deteriorated lead-containing paint at MBGR Segments 3 and 4



Photo 5 – MBGR Segment 5



Photo 6 – Typical deteriorated lead-containing paint at MBGR Segment 5



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PHOTOGRAPHS 4, 5, & 6

Lake Success Rehab Project
State Route 190, Post Mile 21.2 to 26.4
Tulare County, California

S9525-06-05

December 2010



Photo 7 – MBGR Segments 6 and 7



Photo 8 – Typical deteriorated lead-containing paint at MBGR Segments 6 and 7

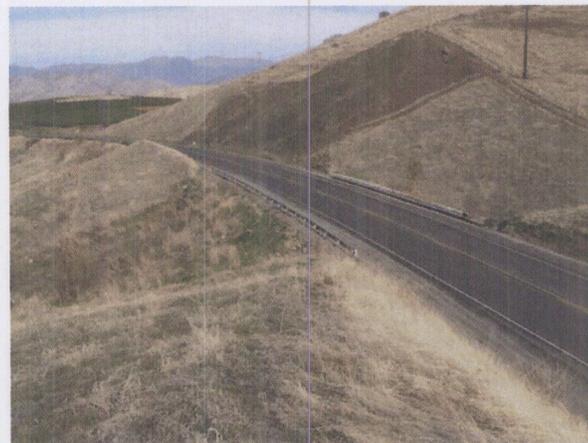


Photo 9 – MBGR Segments 8 and 12



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PHONE 916.852.9118 - FAX 916.852.9132

PHOTOGRAPHS 7, 8, & 9

Lake Success Rehab Project
State Route 190, Post Mile 21.2 to 26.4
Tulare County, California

S9525-06-05

December 2010



Photo 10 – Typical deteriorated lead-containing paint at MBGR Segments 8 and 12



Photo 11 –MBGR Segments 9 and 10



Photo 12 – Typical deteriorated lead-containing paint at MBGR Segments 9 and 10



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PHOTOGRAPHS 10, 11, & 12

Lake Success Rehab Project
State Route 190, Post Mile 21.2 to 26.4
Tulare County, California

S9525-06-05

December 2010

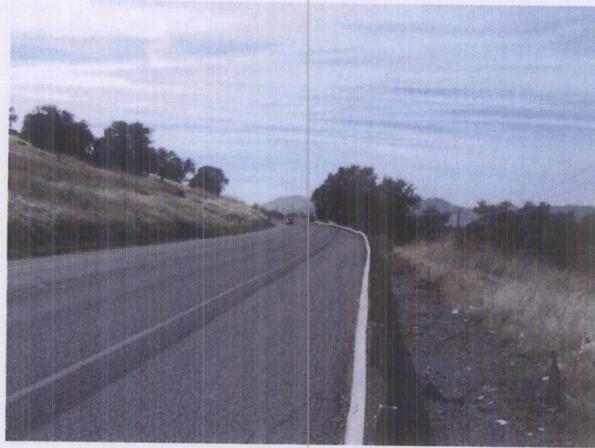


Photo 13 – MBGR Segment 11 at the eastern portion of the project area



Photo 14 – Deteriorated lead-containing paint at MBGR Segment 11



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3160 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742
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PHOTOGRAPHS 13 and 14

Lake Success Rehab Project
State Route 190, Post Mile 21.2 to 26.4
Tulare County, California

S9525-06-05

December 2010

TABLE 1

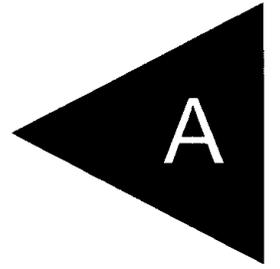
SUMMARY OF PAINT ANALYTICAL RESULTS - TOTAL AND SOLUBLE LEAD
 LAKE SUCCESS REHAB PROJECT
 STATE ROUTE 190, POST MILE 21.2 TO 26.4
 TULARE COUNTY, CALIFORNIA
 CALTRANS CONTRACT 06A1580, TASK ORDER NO. 5, EA 06-337401

| Paint Sample No. | Paint Description | Approximate Quantity Peeling/Flaking | Site Photos | Total Lead (mg/kg) | WET Lead (mg/l) | TCLP Lead (mg/l) |
|------------------|-------------------|--------------------------------------|-------------|--------------------|-----------------|------------------|
| 190-P1A | | | | 2,200 | --- | <0.05 |
| 190-P1B | White MBGR | 250 square feet | 1 and 2 | 2,200 | --- | --- |
| 190-P1C | | | | 2,100 | --- | --- |
| 190-P2A | | | | 1,900 | --- | --- |
| 190-P2B | White MBGR | 250 square feet | 1 and 2 | 1,700 | --- | --- |
| 190-P2C | | | | 1,400 | --- | --- |
| 190-P3 | White MBGR | 100 square feet | 3 and 4 | 1,800 | --- | --- |
| 190-P4 | White MBGR | 100 square feet | 3 and 4 | 2,400 | --- | <0.05 |
| 190-P5A | | | | 980 | 15 | 0.73 |
| 190-P5B | White MBGR | 300 square feet | 5 and 6 | 1,100 | --- | --- |
| 190-P5C | | | | 2,100 | --- | <0.05 |
| 190-P5D | | | | 1,700 | --- | --- |
| 190-P6 | White MBGR | 10 square feet | 7 and 8 | 2,000 | --- | 1.4 |
| 190-P7 | White MBGR | 20 square feet | 7 and 8 | 1,700 | --- | --- |
| 190-P8 | White MBGR | 50 square feet | 9 and 10 | 1,900 | --- | --- |
| 190-P9 | White MBGR | 100 square feet | 11 and 12 | 1,800 | --- | --- |
| 190-P10 | White MBGR | 100 square feet | 11 and 12 | 1,300 | --- | --- |
| 190-P11A | White MBGR | 150 square feet | 13 and 14 | 1,500 | --- | --- |
| 190-P11B | | | | 1,200 | --- | --- |
| 190-P12 | White MBGR | 50 square feet | 9 and 10 | 5,300 | --- | 1.4 |

Notes:

- mg/kg = milligrams per kilogram
- WET = Waste Extraction Test (EPA Test Method 6010B)
- mg/l = milligrams per liter
- TCLP = Toxicity Characteristic Leaching Procedure (EPA Test Method 1311/6010B)
- < = Less than
- = Not analyzed

APPENDIX



November 29, 2010



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

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

Workorder No.: 114820

RE: LAKE SUCCESS REHAB, S9525-06-05

Attention: Chris Giuntoli

Enclosed are the results for sample(s) received on November 19, 2010 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,

A handwritten signature in black ink, appearing to read "E. Rodriguez".

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: Geocon Consultants, Inc.
Project: LAKE SUCCESS REHAB, S9525-06-05
Lab Order: 114820

CASE NARRATIVE

Analytical Comments for Method 6010

Dilution was necessary for samples 114820-001A, 114820-002A, 114820-003A, 114820-004A, 114820-005A, 114820-006A, 114820-007A, 114820-008A, 114820-009A, 114820-010A, 114820-011A, 114820-012A, 114820-013A, 114820-014A, 114820-015A, 114820-016A, 114820-017A, 114820-018A, 114820-019A and 114820-020A, due to sample matrix.



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Nov-10

CLIENT: Geocon Consultants, Inc.
Project: LAKE SUCCESS REHAB, S9525-06-05

Lab Order: 114820

Lab ID: 114820-001

Collection Date: 11/18/2010

Client Sample ID: 190-P1A

Matrix: PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|-------|----|----------------------|--------------|
| RunID: ICP10_101122D | QC Batch: 68315 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 2200 | 40 | mg/Kg | 20 | 11/23/2010 10:46 AM | |

Lab ID: 114820-002

Collection Date: 11/18/2010

Client Sample ID: 190-P1B

Matrix: PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|-------|----|----------------------|--------------|
| RunID: ICP10_101122D | QC Batch: 68315 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 2200 | 40 | mg/Kg | 20 | 11/23/2010 10:47 AM | |

Lab ID: 114820-003

Collection Date: 11/18/2010

Client Sample ID: 190-P1C

Matrix: PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|-------|----|----------------------|--------------|
| RunID: ICP10_101122D | QC Batch: 68315 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 2100 | 40 | mg/Kg | 20 | 11/23/2010 10:49 AM | |

Lab ID: 114820-004

Collection Date: 11/18/2010

Client Sample ID: 190-P2A

Matrix: PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|-------|----|----------------------|--------------|
| RunID: ICP10_101122D | QC Batch: 68315 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 1900 | 40 | mg/Kg | 20 | 11/23/2010 10:51 AM | |

| | | |
|--------------------|--|--|
| 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**

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Nov-10

CLIENT: Geocon Consultants, Inc.
Project: LAKE SUCCESS REHAB, S9525-06-05

Lab Order: 114820

Lab ID: 114820-005 **Collection Date:** 11/18/2010
Client Sample ID: 190-P2B **Matrix:** PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------------------|------------------|-----|------|-------|----------------------|---------------------|
| ICP METALS | | | | | | |
| | EPA 3050B | | | | | |
| RunID: ICP10_101122D | QC Batch: 68315 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 1700 | 40 | | mg/Kg | 20 | 11/23/2010 10:52 AM |

Lab ID: 114820-006 **Collection Date:** 11/18/2010
Client Sample ID: 190-P2C **Matrix:** PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------------------|------------------|-----|------|-------|----------------------|---------------------|
| ICP METALS | | | | | | |
| | EPA 3050B | | | | | |
| RunID: ICP10_101122D | QC Batch: 68315 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 1400 | 40 | | mg/Kg | 20 | 11/23/2010 10:53 AM |

Lab ID: 114820-007 **Collection Date:** 11/18/2010
Client Sample ID: 190-P3 **Matrix:** PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------------------|------------------|-----|------|-------|----------------------|---------------------|
| ICP METALS | | | | | | |
| | EPA 3050B | | | | | |
| RunID: ICP10_101122D | QC Batch: 68315 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 1800 | 40 | | mg/Kg | 20 | 11/23/2010 10:54 AM |

Lab ID: 114820-008 **Collection Date:** 11/18/2010
Client Sample ID: 190-P4 **Matrix:** PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------------------|------------------|-----|------|-------|----------------------|---------------------|
| ICP METALS | | | | | | |
| | EPA 3050B | | | | | |
| RunID: ICP10_101122D | QC Batch: 68315 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 2400 | 40 | | mg/Kg | 20 | 11/23/2010 10:55 AM |

- 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



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Laboratories**

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Nov-10

CLIENT: Geocon Consultants, Inc.
Project: LAKE SUCCESS REHAB, S9525-06-05

Lab Order: 114820

Lab ID: 114820-009
Client Sample ID: 190-P5A

Collection Date: 11/18/2010
Matrix: PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|--|-------|----------------------|---------------------|
| RunID: ICP10_101122D | QC Batch: 68315 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 980 | 40 | | mg/Kg | 20 | 11/23/2010 10:56 AM |

Lab ID: 114820-010
Client Sample ID: 190-P5B

Collection Date: 11/18/2010
Matrix: PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|--|-------|----------------------|---------------------|
| RunID: ICP10_101122F | QC Batch: 68316 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 1100 | 40 | | mg/Kg | 20 | 11/23/2010 10:57 AM |

Lab ID: 114820-011
Client Sample ID: 190-P5C

Collection Date: 11/18/2010
Matrix: PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|--|-------|----------------------|---------------------|
| RunID: ICP10_101122F | QC Batch: 68316 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 2100 | 40 | | mg/Kg | 20 | 11/23/2010 11:00 AM |

Lab ID: 114820-012
Client Sample ID: 190-P5D

Collection Date: 11/18/2010
Matrix: PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|--|-------|----------------------|---------------------|
| RunID: ICP10_101122F | QC Batch: 68316 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 1700 | 40 | | mg/Kg | 20 | 11/23/2010 11:01 AM |

| | | |
|--------------------|--|--|
| 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
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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Nov-10

CLIENT: Geocon Consultants, Inc.
Project: LAKE SUCCESS REHAB, S9525-06-05

Lab Order: 114820

Lab ID: 114820-013 **Collection Date:** 11/18/2010
Client Sample ID: 190-P6 **Matrix:** PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|--|-------|----------------------|---------------------|
| RunID: ICP10_101122F | QC Batch: 68316 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 2000 | 40 | | mg/Kg | 20 | 11/23/2010 11:02 AM |

Lab ID: 114820-014 **Collection Date:** 11/18/2010
Client Sample ID: 190-P7 **Matrix:** PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|--|-------|----------------------|---------------------|
| RunID: ICP10_101122F | QC Batch: 68316 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 1700 | 40 | | mg/Kg | 20 | 11/23/2010 11:03 AM |

Lab ID: 114820-015 **Collection Date:** 11/18/2010
Client Sample ID: 190-P8 **Matrix:** PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|--|-------|----------------------|---------------------|
| RunID: ICP10_101122F | QC Batch: 68316 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 1900 | 40 | | mg/Kg | 20 | 11/23/2010 11:04 AM |

Lab ID: 114820-016 **Collection Date:** 11/18/2010
Client Sample ID: 190-P9 **Matrix:** PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|--|-------|----------------------|---------------------|
| RunID: ICP10_101122F | QC Batch: 68316 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 1800 | 40 | | mg/Kg | 20 | 11/23/2010 11:05 AM |

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



**Advanced Technology
 Laboratories**

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Nov-10

CLIENT: Geocon Consultants, Inc.
Project: LAKE SUCCESS REHAB, S9525-06-05

Lab Order: 114820

Lab ID: 114820-017

Collection Date: 11/18/2010

Client Sample ID: 190-P10

Matrix: PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|--|-------|----------------------|---------------------|
| RunID: ICP10_101122F | QC Batch: 68316 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 1300 | 40 | | mg/Kg | 20 | 11/23/2010 11:06 AM |

Lab ID: 114820-018

Collection Date: 11/18/2010

Client Sample ID: 190-P11A

Matrix: PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|--|-------|----------------------|---------------------|
| RunID: ICP10_101122F | QC Batch: 68316 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 1500 | 40 | | mg/Kg | 20 | 11/23/2010 11:07 AM |

Lab ID: 114820-019

Collection Date: 11/18/2010

Client Sample ID: 190-P11B

Matrix: PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|--|-------|----------------------|---------------------|
| RunID: ICP10_101122E | QC Batch: 68317 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 1200 | 40 | | mg/Kg | 20 | 11/23/2010 11:08 AM |

Lab ID: 114820-020

Collection Date: 11/18/2010

Client Sample ID: 190-P12

Matrix: PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|------|-------|----|---------------|
|----------|--------|-----|------|-------|----|---------------|

ICP METALS

EPA 3050B

EPA 6010B

| | | | | | | |
|----------------------|-----------------|----|--|-------|----------------------|---------------------|
| RunID: ICP10_101122E | QC Batch: 68317 | | | | PrepDate: 11/22/2010 | Analyst: SRB |
| Lead | 5300 | 40 | | mg/Kg | 20 | 11/23/2010 11:10 AM |

| | | |
|--------------------|--|--|
| 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**

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Advanced Technology Laboratories

Date: 29-Nov-10

CLIENT: Geocoon Consultants, Inc.

Work Order: 114820

Project: LAKE SUCCESS REHAB, S9525-06-05

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

| | | | | | |
|----------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: LCS-68315 | SampType: LCS | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127036 |
| Client ID: LCSS | Batch ID: 68315 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049684 |
| Analyte | Result | PQL | SPK value | SPK RefVal | %REC |
| Lead | 48.400 | 1.0 | 50.00 | 0.1904 | 96.4 |
| | | | | 80 | 120 |
| | | | | LowLimit | HighLimit |
| | | | | RPD RefVal | %RPD |
| | | | | RPDLimit | Qual |

| | | | | | |
|---------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: MB-68315 | SampType: MBLK | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127036 |
| Client ID: PBS | Batch ID: 68315 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049685 |
| Analyte | Result | PQL | SPK value | SPK RefVal | %REC |
| Lead | 0.190 | 1.0 | | | |
| | | | | 165.2 | 19.1 |
| | | | | LowLimit | HighLimit |
| | | | | RPD RefVal | %RPD |
| | | | | RPDLimit | Qual |

| | | | | | |
|----------------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: 114826-003A-DUP | SampType: DUP | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127036 |
| Client ID: ZZZZZZ | Batch ID: 68315 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049687 |
| Analyte | Result | PQL | SPK value | SPK RefVal | %REC |
| Lead | 200.102 | 1.0 | | | |
| | | | | 165.2 | 19.1 |
| | | | | LowLimit | HighLimit |
| | | | | RPD RefVal | %RPD |
| | | | | RPDLimit | Qual |

| | | | | | |
|---------------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: 114826-003A-MS | SampType: MS | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127036 |
| Client ID: ZZZZZZ | Batch ID: 68315 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049688 |
| Analyte | Result | PQL | SPK value | SPK RefVal | %REC |
| Lead | 282.290 | 1.0 | 125.0 | 165.2 | 93.6 |
| | | | | 34 | 126 |
| | | | | LowLimit | HighLimit |
| | | | | RPD RefVal | %RPD |
| | | | | RPDLimit | Qual |

| | | | | | |
|----------------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: 114826-003A-MSD | SampType: MSD | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127036 |
| Client ID: ZZZZZZ | Batch ID: 68315 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049689 |
| Analyte | Result | PQL | SPK value | SPK RefVal | %REC |
| Lead | 264.243 | 1.0 | 125.0 | 165.2 | 79.2 |
| | | | | 34 | 126 |
| | | | | LowLimit | HighLimit |
| | | | | RPD RefVal | %RPD |
| | | | | RPDLimit | Qual |

Qualifiers:

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



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ANALYTICAL QC SUMMARY REPORT

CLIENT: Geocon Consultants, Inc.
Work Order: 114820
Project: LAKE SUCCESS REHAB, S9525-06-05

TestCode: 6010_S

| | | | | | |
|---------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: MB-68316 | SampType: MBLK | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127039 |
| Client ID: PBS | Batch ID: 68316 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049708 |
| Analyte | Result | PQL | SPK value | SPK RefVal | %REC |
| Lead | 0.222 | 1.0 | | | |

| | | | | | |
|----------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: LCS-68316 | SampType: LCS | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127039 |
| Client ID: LCSS | Batch ID: 68316 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049709 |
| Analyte | Result | PQL | SPK value | SPK RefVal | %REC |
| Lead | 48.562 | 1.0 | 50.00 | 0.2219 | 96.7 |

| | | | | | |
|----------------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: 114826-004A-DUP | SampType: DUP | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127039 |
| Client ID: ZZZZZZ | Batch ID: 68316 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049711 |
| Analyte | Result | PQL | SPK value | SPK RefVal | %REC |
| Lead | 4.295 | 1.0 | | | |

| | | | | | |
|---------------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: 114826-004A-MS | SampType: MS | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127039 |
| Client ID: ZZZZZZ | Batch ID: 68316 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049712 |
| Analyte | Result | PQL | SPK value | SPK RefVal | %REC |
| Lead | 105.991 | 1.0 | 125.0 | 4.105 | 81.5 |

| | | | | | |
|----------------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: 114826-004A-MSD | SampType: MSD | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127039 |
| Client ID: ZZZZZZ | Batch ID: 68316 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049713 |
| Analyte | Result | PQL | SPK value | SPK RefVal | %REC |
| Lead | 101.947 | 1.0 | 125.0 | 4.105 | 78.3 |

Qualifiers:

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



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ANALYTICAL QC SUMMARY REPORT

CLIENT: Geocon Consultants, Inc.
Work Order: 114820
Project: LAKE SUCCESS REHAB, S9525-06-05

TestCode: 6010_S

| | | | | | |
|---------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: MB-68317 | SampType: MBLK | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127038 |
| Client ID: PBS | Batch ID: 68317 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049696 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %RPD |
| Lead | 0.130 | 1.0 | | | |

| | | | | | |
|----------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: LCS-68317 | SampType: LCS | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127038 |
| Client ID: LCSS | Batch ID: 68317 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049697 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %RPD |
| Lead | 48.582 | 1.0 | 50.00 | 0.1297 | 96.9 |

| | | | | | |
|----------------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: 114826-005A-DUP | SampType: DUP | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127038 |
| Client ID: ZZZZZZ | Batch ID: 68317 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049699 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %RPD |
| Lead | 4.244 | 1.0 | | 4.598 | 8.01 |

| | | | | | |
|---------------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: 114826-005A-MS | SampType: MS | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127038 |
| Client ID: ZZZZZZ | Batch ID: 68317 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049700 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %RPD |
| Lead | 99.824 | 1.0 | 125.0 | 4.598 | 76.2 |

| | | | | | |
|----------------------------|-----------------|-------------------|--------------|---------------------------|----------------|
| Sample ID: 114826-005A-MSD | SampType: MSD | TestCode: 6010_S | Units: mg/Kg | Prep Date: 11/22/2010 | RunNo: 127038 |
| Client ID: ZZZZZZ | Batch ID: 68317 | TestNo: EPA 6010B | EPA 3050B | Analysis Date: 11/22/2010 | SeqNo: 2049701 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %RPD |
| Lead | 99.867 | 1.0 | 125.0 | 4.598 | 76.2 |

Qualifiers:

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



3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY:

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

Method of Transport:
 Client ATL CA OverN FEDEX Other: GSO

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 CONSULTANTS, INC.** Address: 6671 Brisa Street
 City: Livemore State: CA Zip Code: 94550
 Attn: **CHRIS GIUNTOLI** Project #: **59525-06-05**
 Relinquished by: **LAKE SUCCESS REHAB** Date: **11/18/10** Time: **1730**
 Relinquished by: **[Signature]** Date: **11/19/10** Time: **9:09**
 Relinquished by: **[Signature]** Date: _____ Time: _____

Special Instructions/Comments:
***SOURCE LEAD MAY BE REQUESTED BASED ON TOTAL LEAD RESULTS**

Bill To: _____ Attn: _____
 Co: SAME AS ABOVE
 Address: _____ City: _____ State: _____ Zip: _____

Circle or Add Analysis(es) Requested:
 801A (Packages) _____
 802 (Pb) _____
 8200 (Voliles) _____
 8270C (BNA) _____
 80108 (Total Metal) _____
 80158 (Pb) / BTEX _____
 80158 (Pb) _____
 8021 (BTEX) _____
 TME 22 / CAN 17 (8010 / 700) _____

| LAB USE ONLY: | Sample Description | Sample I.D. / Location | Date | Time |
|---------------|--------------------|------------------------|----------|------|
| 1 | | 114820-001 | 11/18/10 | |
| 2 | | 190-P1A | 11/18/10 | |
| 3 | | 190-P1B | | |
| 4 | | 190-P1C | | |
| 5 | | 190-P2A | | |
| 6 | | 190-P2B | | |
| 7 | | 190-P2C | | |
| 8 | | 190-P3 | | |
| 9 | | 190-P4 | | |
| 10 | | 190-PSB | | |

| Container Type | Container # | Type | Remarks |
|----------------|-------------|------|---------|
| WATER | | | |
| GROUND WATER | | | |
| WASTEWATER | | | |
| SOIL | | | |
| PRINT GLASS | | | |
| RESERVATION | | | |

QA/QC
 RTNE CT
 SWRCB
 Logcode
 OTHER

Preservatives:
 H=HCl N=HNO₃ S=H₂SO₄ C=4°C
 Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃

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

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

TAT: A=5-24 hr

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

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

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY:

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

P.O.#: _____
 Logged By: _____ Date: _____

Method of Transport: Client ATL CA OverN FEDEX Other: GSO

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 CONSULTANTS, INC.** Address: 6671 Brisa Street
 City: Livemore State: CA Zip Code: 94550
 Attn: CHRIS GUNTER TEL: (925) 371-5900 FAX: (925) 371-5915

Project Name: LAKE SUCCESS REHAB Project #: S9295-06-05 Sampler: CHRIS GUNTER
 Relinquished by: [Signature] Date: 11/10/10 Time: 1730 Received by: [Signature] Date: 11/10/10 Time: 9:09
 Relinquished by: [Signature] Date: _____ Time: _____ Received by: [Signature] Date: _____ Time: _____
 Relinquished by: [Signature] Date: _____ Time: _____ Received by: [Signature] Date: _____ Time: _____

I hereby authorize ATL to perform the work indicated below:
 Project Mgr /Submitter: [Signature] Date: 11/10/10

Send Report To: _____
 Attn: _____
 Co: SAME AS ABOVE
 Address: _____ City: _____ State: _____ Zip: _____

Bill To: _____
 Attn: _____
 Co: SAME AS ABOVE
 Address: _____ City: _____ State: _____ Zip: _____

Special Instructions/Comments: *** SOLUBLE LEAD MAY BE REQUESTED BASED ON TOTAL LEAD RESULTS**

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)

| LAB USE ONLY: T E M | Batch #: | Lab No. | Sample Description | Sample I.D. / Location | | Date | Time |
|------------------------------|----------|---------|--------------------|------------------------|----|----------|------|
| | | | | TAT: A= | B= | | |
| | | 11 | 190-P5C | | | 11/10/10 | |
| | | 12 | 190-P5D | | | | |
| | | 13 | 190-P6 | | | | |
| | | 14 | 190-P7 | | | | |
| | | 15 | 190-P8 | | | | |
| | | 16 | 190-P9 | | | | |
| | | 17 | 190-P10 | | | | |
| | | 18 | 190-P11A | | | | |
| | | 19 | 190-P11B | | | | |
| | | 20 | 190-P12 | | | | |

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=Jar B=Tealjar G=Glass P=Plastic M=Metal
 Preservatives: H=HCl N=HNO₃ S=H₂SO₄ C=4°C Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃

| SPECIFY APPROPRIATE MATRIX | | Container(s) | TAT # | Type | REMARKS |
|-----------------------------|--|--------------|-------|------|---------|
| 801A (Pesticides) | | | | | |
| 8200 (Volatiles) | | | | | |
| 8270C (GM) | | | | | |
| 8075B (Total Metals) | | | | | |
| 8075B (GRO) / BTEX | | | | | |
| 8075B (DRO) | | | | | |
| 8271 (BTEX) | | | | | |
| TIME 22 / GM 17 (GRO) / TOX | | | | | |
| SOIL | | | | | |
| GROUND WATER | | | | | |
| WASTEWATER | | | | | |
| PWNT/CLIP | | | | | |
| PRESERVATION | | | | | |

| QA/QC | RTNE | CT | SWRCS | Logcode | OTHER | REMARKS |
|-------|------|----|-------|---------|-------|---------|
| | | | | | | |

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

December 08, 2010



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

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

Workorder No.: 114820

RE: LAKE SUCCESS REHAB, S9525-06-05

Attention: Chris Giuntoli

Enclosed are the results for sample(s) received on November 19, 2010 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,

A handwritten signature in black ink, appearing to read "Eddie F. Rodriguez".

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: Geocon Consultants, Inc.
Project: LAKE SUCCESS REHAB, S9525-06-05
Lab Order: 114820

CASE NARRATIVE

Analytical Comments for Method 6010

Dilution was necessary for sample 114820-009A, due to sample matrix.

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for sample 114768-031AMS; however, the analytical batch was validated by the Laboratory Control Sample (LCS).



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 08-Dec-10

CLIENT: Geocon Consultants, Inc.
Project: LAKE SUCCESS REHAB, S9525-06-05

Lab Order: 114820

Lab ID: 114820-001 **Collection Date:** 11/18/2010
Client Sample ID: 190-P1A **Matrix:** PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|--------------------------------------|-----------------|-------|------------------------|-------|---------------------|--------------------|
| ICP METALS BY TCLP EXTRACTION | | | | | | |
| EPA3010A | | | EPA 1311/ 6010B | | | |
| RunID: ICP6_101207B | QC Batch: 68678 | | | | PrepDate: 12/7/2010 | Analyst: RQ |
| Lead | ND | 0.050 | | mg/L | 1 | 12/7/2010 05:49 PM |

Lab ID: 114820-008 **Collection Date:** 11/18/2010
Client Sample ID: 190-P4 **Matrix:** PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|--------------------------------------|-----------------|-------|------------------------|-------|---------------------|--------------------|
| ICP METALS BY TCLP EXTRACTION | | | | | | |
| EPA3010A | | | EPA 1311/ 6010B | | | |
| RunID: ICP6_101207B | QC Batch: 68678 | | | | PrepDate: 12/7/2010 | Analyst: RQ |
| Lead | ND | 0.050 | | mg/L | 1 | 12/7/2010 05:50 PM |

Lab ID: 114820-009 **Collection Date:** 11/18/2010
Client Sample ID: 190-P5A **Matrix:** PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---------------------------|-------------------|-----|-----------------------|-------|-----------|--------------------|
| ICP METALS BY STLC | | | | | | |
| | | | WET/ EPA 6010B | | | |
| RunID: ICP10_101207A | QC Batch: R127471 | | | | PrepDate: | Analyst: SRB |
| Lead | 15 | 1.0 | | mg/L | 20 | 12/7/2010 02:51 PM |

ICP METALS BY TCLP EXTRACTION

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|--------------------------------------|-----------------|-------|------------------------|-------|---------------------|--------------------|
| ICP METALS BY TCLP EXTRACTION | | | | | | |
| EPA3010A | | | EPA 1311/ 6010B | | | |
| RunID: ICP6_101207B | QC Batch: 68678 | | | | PrepDate: 12/7/2010 | Analyst: RQ |
| Lead | 0.73 | 0.050 | | mg/L | 1 | 12/7/2010 05:51 PM |

Lab ID: 114820-011 **Collection Date:** 11/18/2010
Client Sample ID: 190-P5C **Matrix:** PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|--------------------------------------|-----------------|-------|------------------------|-------|---------------------|--------------------|
| ICP METALS BY TCLP EXTRACTION | | | | | | |
| EPA3010A | | | EPA 1311/ 6010B | | | |
| RunID: ICP6_101207B | QC Batch: 68678 | | | | PrepDate: 12/7/2010 | Analyst: RQ |
| Lead | ND | 0.050 | | mg/L | 1 | 12/7/2010 05:52 PM |

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



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Laboratories**

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 08-Dec-10

CLIENT: Geocon Consultants, Inc.
Project: LAKE SUCCESS REHAB, S9525-06-05

Lab Order: 114820

Lab ID: 114820-013
Client Sample ID: 190-P6

Collection Date: 11/18/2010
Matrix: PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|--------------------------------------|-----------------|-------|------|-------|---------------------|------------------------|
| ICP METALS BY TCLP EXTRACTION | | | | | | |
| | EPA3010A | | | | | EPA 1311/ 6010B |
| RunID: ICP6_101207B | QC Batch: 68678 | | | | PrepDate: 12/7/2010 | Analyst: RQ |
| Lead | 1.4 | 0.050 | | mg/L | 1 | 12/7/2010 05:53 PM |

Lab ID: 114820-020
Client Sample ID: 190-P12

Collection Date: 11/18/2010
Matrix: PAINT CHIP

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|--------------------------------------|-----------------|-------|------|-------|---------------------|------------------------|
| ICP METALS BY TCLP EXTRACTION | | | | | | |
| | EPA3010A | | | | | EPA 1311/ 6010B |
| RunID: ICP6_101207B | QC Batch: 68678 | | | | PrepDate: 12/7/2010 | Analyst: RQ |
| Lead | 1.4 | 0.050 | | mg/L | 1 | 12/7/2010 05:54 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



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Advanced Technology Laboratories

ANALYTICAL QC SUMMARY REPORT

CLIENT: Gecon Consultants, Inc.

Work Order: 1114820

Project: LAKE SUCCESS REHAB, S9525-06-05

TestCode: 6010_ST

| | | | | | |
|----------------------|-------------------|--------------------|-------------|--------------------------|----------------|
| Sample ID: MB-68637A | SampType: MBLK | TestCode: 6010_ST | Units: mg/L | Prep Date: | RunNo: 127471 |
| Client ID: PBS | Batch ID: R127471 | TestNo: WET/EPA 60 | | Analysis Date: 12/7/2010 | SeqNo: 2058809 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC |
| | ND | 0.050 | | | |
| | | | | LowLimit | HighLimit |
| | | | | RPDLimit | Qual |

| | | | | | |
|---------------------------|-------------------|--------------------|-------------|--------------------------|----------------|
| Sample ID: MB-68637A STLC | SampType: MBLK | TestCode: 6010_ST | Units: mg/L | Prep Date: | RunNo: 127471 |
| Client ID: PBS | Batch ID: R127471 | TestNo: WET/EPA 60 | | Analysis Date: 12/7/2010 | SeqNo: 2058810 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC |
| | ND | 1.0 | | | |
| | | | | LowLimit | HighLimit |
| | | | | RPDLimit | Qual |

| | | | | | |
|----------------------|-------------------|--------------------|-------------|--------------------------|----------------|
| Sample ID: LCS-68637 | SampType: LCS | TestCode: 6010_ST | Units: mg/L | Prep Date: | RunNo: 127471 |
| Client ID: LCSS | Batch ID: R127471 | TestNo: WET/EPA 60 | | Analysis Date: 12/7/2010 | SeqNo: 2058811 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC |
| | 0.940 | 0.050 | 1.000 | 0 | 94.0 |
| | | | | LowLimit | HighLimit |
| | | | | RPDLimit | Qual |

| | | | | | |
|----------------------------|-------------------|--------------------|-------------|--------------------------|----------------|
| Sample ID: 114768-031A-DUP | SampType: DUP | TestCode: 6010_ST | Units: mg/L | Prep Date: | RunNo: 127471 |
| Client ID: ZZZZZZ | Batch ID: R127471 | TestNo: WET/EPA 60 | | Analysis Date: 12/7/2010 | SeqNo: 2058822 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC |
| | 21.553 | 1.0 | | | |
| | | | | LowLimit | HighLimit |
| | | | | RPDLimit | Qual |

| | | | | | |
|---------------------------|-------------------|--------------------|-------------|--------------------------|----------------|
| Sample ID: 114768-031A-MS | SampType: MS | TestCode: 6010_ST | Units: mg/L | Prep Date: | RunNo: 127471 |
| Client ID: ZZZZZZ | Batch ID: R127471 | TestNo: WET/EPA 60 | | Analysis Date: 12/7/2010 | SeqNo: 2058823 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC |
| | 22.343 | 1.0 | 2.500 | 22.32 | 1.05 |
| | | | | LowLimit | HighLimit |
| | | | | RPDLimit | Qual |

Lead 22.32 3.48 20

Qualifiers:

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



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ANALYTICAL QC SUMMARY REPORT

CLIENT: Gecon Consultants, Inc.

Work Order: 114820

Project: LAKE SUCCESS REHAB, S9525-06-05

TestCode: 6010_ST

| Sample ID | MB-68637B | SampType: MBLK | TestCode: 6010_ST | Units: mg/L | Prep Date: | RunNo: 127471 | | | | | |
|-----------|-----------------|-------------------|--------------------|--------------------|--------------------------|----------------|-----------|-------------|------|----------|------|
| Client ID | PBS | Batch ID: R127471 | TestNo: WET/EPA 60 | | Analysis Date: 12/7/2010 | SeqNo: 2058824 | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | ND | 0.050 | | | | | | | | | |
| Sample ID | MB-68637B | STLC | SampType: MBLK | TestCode: 6010_ST | Units: mg/L | RunNo: 127471 | | | | | |
| Client ID | PBS | | Batch ID: R127471 | TestNo: WET/EPA 60 | | SeqNo: 2058825 | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | ND | 1.0 | | | | | | | | | |
| Sample ID | 114848-020A-DUP | DUP | SampType: DUP | TestCode: 6010_ST | Units: mg/L | RunNo: 127471 | | | | | |
| Client ID | ZZZZZZ | | Batch ID: R127471 | TestNo: WET/EPA 60 | | SeqNo: 2058835 | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | 2.900 | 1.0 | | | | 2.559 | | | 12.5 | 20 | |
| Sample ID | 114848-020A-MS | MS | SampType: MS | TestCode: 6010_ST | Units: mg/L | RunNo: 127471 | | | | | |
| Client ID | ZZZZZZ | | Batch ID: R127471 | TestNo: WET/EPA 60 | | SeqNo: 2058836 | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | 4.864 | 1.0 | 2.500 | 2.559 | 92.2 | 80 | 118 | | | | |
| Sample ID | 114848-020A-MSD | MSD | SampType: MSD | TestCode: 6010_ST | Units: mg/L | RunNo: 127471 | | | | | |
| Client ID | ZZZZZZ | | Batch ID: R127471 | TestNo: WET/EPA 60 | | SeqNo: 2058837 | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | 4.959 | 1.0 | 2.500 | 2.559 | 96.0 | 80 | 118 | 4.864 | 1.93 | 20 | |

Qualifiers:

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



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ANALYTICAL QC SUMMARY REPORT

CLIENT: Geocon Consultants, Inc.

Work Order: 114820

TestCode: 6010_TC

Project: LAKE SUCCESS REHAB, S9525-06-05

| | | | | | | | | | | | |
|----------------------|-----------------|------------------------------|-------------|--------------------------|----------------|----------|-----------|-------------|------|----------|------|
| Sample ID: MB-68678A | SampType: MBLK | TestCode: 6010_TC | Units: mg/L | Prep Date: 12/7/2010 | RunNo: 127484 | | | | | | |
| Client ID: PBS | Batch ID: 68678 | TestNo: EPA 1311/60 EPA3010A | | Analysis Date: 12/7/2010 | SeqNo: 2059425 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | ND | 0.050 | | | | | | | | | |

| | | | | | | | | | | | |
|---------------------------|-----------------|------------------------------|-------------|--------------------------|----------------|----------|-----------|-------------|------|----------|------|
| Sample ID: MB-68655A TCLP | SampType: MBLK | TestCode: 6010_TC | Units: mg/L | Prep Date: 12/7/2010 | RunNo: 127484 | | | | | | |
| Client ID: PBS | Batch ID: 68678 | TestNo: EPA 1311/60 EPA3010A | | Analysis Date: 12/7/2010 | SeqNo: 2059427 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | ND | 0.050 | | | | | | | | | |

| | | | | | | | | | | | |
|----------------------|-----------------|------------------------------|-------------|--------------------------|----------------|----------|-----------|-------------|------|----------|------|
| Sample ID: LCS-68678 | SampType: LCS | TestCode: 6010_TC | Units: mg/L | Prep Date: 12/7/2010 | RunNo: 127484 | | | | | | |
| Client ID: LCSS | Batch ID: 68678 | TestNo: EPA 1311/60 EPA3010A | | Analysis Date: 12/7/2010 | SeqNo: 2059428 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | 0.922 | 0.050 | 1.000 | 0 | 92.2 | 85 | 115 | | | | |

| | | | | | | | | | | | |
|----------------------------|-----------------|------------------------------|-------------|--------------------------|----------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 114768-031A-DUP | SampType: DUP | TestCode: 6010_TC | Units: mg/L | Prep Date: 12/7/2010 | RunNo: 127484 | | | | | | |
| Client ID: ZZZZZZ | Batch ID: 68678 | TestNo: EPA 1311/60 EPA3010A | | Analysis Date: 12/7/2010 | SeqNo: 2059545 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | 0.186 | 0.050 | | | | | | 0.1904 | 2.41 | 20 | |

| | | | | | | | | | | | |
|---------------------------|-----------------|------------------------------|-------------|--------------------------|----------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 114768-031A-MS | SampType: MS | TestCode: 6010_TC | Units: mg/L | Prep Date: 12/7/2010 | RunNo: 127484 | | | | | | |
| Client ID: ZZZZZZ | Batch ID: 68678 | TestNo: EPA 1311/60 EPA3010A | | Analysis Date: 12/7/2010 | SeqNo: 2059546 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | 2.388 | 0.050 | 2.500 | 0.1904 | 87.9 | 80 | 118 | | | | |

Qualifiers:

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



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ANALYTICAL QC SUMMARY REPORT

CLIENT: Geokon Consultants, Inc.
 Work Order: 114820
 Project: LAKE SUCCESS REHAB, S9525-06-05

TestCode: 6010_TC

| | | | | | |
|----------------------|-----------------|------------------------------|-------------|--------------------------|----------------|
| Sample ID: MB-68678B | SampType: MBLK | TestCode: 6010_TC | Units: mg/L | Prep Date: 12/7/2010 | RunNo: 127484 |
| Client ID: PBS | Batch ID: 68678 | TestNo: EPA 1311/60 EPA3010A | | Analysis Date: 12/7/2010 | SeqNo: 2059632 |
| Analyte | Result | PQL | SPK value | %REC | LowLimit |
| | ND | 0.050 | | | HighLimit |
| | | | SPK Ref Val | RPD Ref Val | %RPD |
| | | | | | RPDLimit |
| | | | | | Qual |

| | | | | | |
|-------------------------|-----------------|------------------------------|-------------|--------------------------|----------------|
| Sample ID: MB-68655B TC | SampType: MBLK | TestCode: 6010_TC | Units: mg/L | Prep Date: 12/7/2010 | RunNo: 127484 |
| Client ID: PBS | Batch ID: 68678 | TestNo: EPA 1311/60 EPA3010A | | Analysis Date: 12/7/2010 | SeqNo: 2059633 |
| Analyte | Result | PQL | SPK value | %REC | LowLimit |
| | ND | 0.050 | | | HighLimit |
| | | | SPK Ref Val | RPD Ref Val | %RPD |
| | | | | | RPDLimit |
| | | | | | Qual |

| | | | | | |
|---------------------------|-----------------|------------------------------|-------------|--------------------------|----------------|
| Sample ID: 114848-028ADUP | SampType: DUP | TestCode: 6010_TC | Units: mg/L | Prep Date: 12/7/2010 | RunNo: 127484 |
| Client ID: ZZZZZZ | Batch ID: 68678 | TestNo: EPA 1311/60 EPA3010A | | Analysis Date: 12/7/2010 | SeqNo: 2059643 |
| Analyte | Result | PQL | SPK value | %REC | LowLimit |
| | 0.064 | 0.050 | | | HighLimit |
| | | | SPK Ref Val | RPD Ref Val | %RPD |
| | | | | 0.05477 | 15.9 |
| | | | | | 20 |

| | | | | | |
|--------------------------|-----------------|------------------------------|-------------|--------------------------|----------------|
| Sample ID: 114848-028AMS | SampType: MS | TestCode: 6010_TC | Units: mg/L | Prep Date: 12/7/2010 | RunNo: 127484 |
| Client ID: ZZZZZZ | Batch ID: 68678 | TestNo: EPA 1311/60 EPA3010A | | Analysis Date: 12/7/2010 | SeqNo: 2059644 |
| Analyte | Result | PQL | SPK value | %REC | LowLimit |
| | 2.210 | 0.050 | 2.500 | 86.2 | 80 |
| | | | 0.05477 | | 118 |
| | | | | | |
| | | | | | |

| | | | | | |
|---------------------------|-----------------|------------------------------|-------------|--------------------------|----------------|
| Sample ID: 114848-028AMSD | SampType: MSD | TestCode: 6010_TC | Units: mg/L | Prep Date: 12/7/2010 | RunNo: 127484 |
| Client ID: ZZZZZZ | Batch ID: 68678 | TestNo: EPA 1311/60 EPA3010A | | Analysis Date: 12/7/2010 | SeqNo: 2059645 |
| Analyte | Result | PQL | SPK value | %REC | LowLimit |
| | 2.173 | 0.050 | 2.500 | 84.7 | 80 |
| | | | 0.05477 | | 118 |
| | | | | | |
| | | | | | |

| | | | | | |
|---------------------------|-----------------|------------------------------|-------------|--------------------------|----------------|
| Sample ID: 114848-028AMSD | SampType: MSD | TestCode: 6010_TC | Units: mg/L | Prep Date: 12/7/2010 | RunNo: 127484 |
| Client ID: ZZZZZZ | Batch ID: 68678 | TestNo: EPA 1311/60 EPA3010A | | Analysis Date: 12/7/2010 | SeqNo: 2059645 |
| Analyte | Result | PQL | SPK value | %REC | LowLimit |
| | 2.173 | 0.050 | 2.500 | 84.7 | 80 |
| | | | 0.05477 | | 118 |
| | | | | | |
| | | | | | |

| | | | | | |
|---------------------------|-----------------|------------------------------|-------------|--------------------------|----------------|
| Sample ID: 114848-028AMSD | SampType: MSD | TestCode: 6010_TC | Units: mg/L | Prep Date: 12/7/2010 | RunNo: 127484 |
| Client ID: ZZZZZZ | Batch ID: 68678 | TestNo: EPA 1311/60 EPA3010A | | Analysis Date: 12/7/2010 | SeqNo: 2059645 |
| Analyte | Result | PQL | SPK value | %REC | LowLimit |
| | 2.173 | 0.050 | 2.500 | 84.7 | 80 |
| | | | 0.05477 | | 118 |
| | | | | | |
| | | | | | |

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

Diane Galvan

From: Chris Giuntoli [giuntoli@geoconinc.com]
Sent: Wednesday, December 01, 2010 6:07 PM
To: Diane Galvan
Subject: RE: Results/EDD - LAKE SUCCESS REHAB (114820)

Hi Diane,

For Lab Order 114820, please run WET lead for sample 190-5A, and TCLP lead on the following six samples:

190-P1A
190-P4
190-P5A
190-P5C
190-P6
190-P12

All on standard TAT.

Thanks,
Chris

MATERIALS INFORMATION HANDOUT

Contract Number
06-337414

06-TUL-190
PM 21.2/26.4

Cold In-Place Recycling
Hot Mix Asphalt

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Summary of Investigations

Investigations carried out on the existing roadway, Tul-190 PM 21.2/26.4 indicate that these materials are suitable for cold in-place recycling. Coring tests conducted on subject roadbed indicate that the engineering properties of these materials may be improved to provide sufficient strength required to extend the life of this pavement for five years by recycling the upper 0.30' with asphalt emulsion and capping with 0.30' HMA of hot mix asphalt.

The general structural section, from the bottom up, is native material, and hot mix asphalt. Cores taken indicated a depth of hot mix asphalt that ranged from 0.40' to over 0.68'. Core samples taken were uniform in appearance.

The existing AC appears to have some rutting with transverse and longitudinal cracking. There were some isolated alligator cracking observed.

Any reliance placed by the contractor on this information shall be at their own risk and they shall undertake their own separate testing program to determine the materials present and conditions prevailing at the time of construction.

TUL-190 AC THICKNESS

