

**DEVELOPING PLANS, TRAINING, AND BASIC CONSULTATION SERVICES**

Provide composite hourly rates for developing the plans and providing training and basic consultation services listed below. The hourly rate shall include all costs (e.g. supplies, clerical assistance, overhead, fees and profit) for the personnel classifications normally used for such work.

**Develop a Work Plan:** including personnel, support services, overhead and profit, signed by a California Registered or Certified Professional.

|  | <u>Unit Price</u>   | <u>Quantity</u> | <u>Total</u>    |
|--|---------------------|-----------------|-----------------|
| • Routine  | 1. \$ <u>80</u> /hr | 100             | \$ <u>8000</u>  |
| • Expedited (work plan received within 48 hours) | 2. \$ <u>80</u> /hr | 200             | \$ <u>16000</u> |

**Develop a Health and Safety Plan:** including research, personnel, support services, overhead and profit, signed by an American Board of Industrial Hygiene Certified Industrial Hygienist. The Health and Safety plan will most typically cover the Contractor's work. Occasionally, Caltrans may request a Health and Safety plan for Caltrans employees or construction forces working in a contaminated area.

|   |                     |     |                 |
|---|---------------------|-----|-----------------|
| • Routine   | 3. \$ <u>80</u> /hr | 100 | \$ <u>8000</u>  |
| • Expedited (Health & Safety plan received within 48 hours) | 4. \$ <u>80</u> /hr | 200 | \$ <u>16000</u> |

**Provide Health and Safety Training:** per Title 8, CCR Section 5192 at a facility provided by Caltrans. Includes any necessary course development, preparation, supplies, equipment, support services, personnel, training manual for each participant, overhead and profit. Course will be taught by Certified Industrial Hygienist (CIH) certified trainer.

|   |                           |    |                  |
|---|---------------------------|----|------------------|
| • 40 hour health and safety training. Class size is 10 persons.         | 5. \$ <u>7500</u> /class  | 20 | \$ <u>150000</u> |
| • Additional person for 40 hour training.                               | 6. \$ <u>250</u> /person  | 20 | \$ <u>5000</u>   |
| • 24 hour health and safety training. Class size is 10 persons.         | 7. \$ <u>5000</u> /class  | 35 | \$ <u>175000</u> |
| • Additional person for 24 hour training.                               | 8. \$ <u>250</u> /person  | 30 | \$ <u>7500</u>   |
| • 8 hour refresher health and safety training. Class size is 5 persons. | 9. \$ <u>2000</u> /class  | 28 | \$ <u>56000</u>  |
| • Additional person for 8 hour refresher.                               | 10. \$ <u>125</u> /person | 39 | \$ <u>4875</u>   |

**Telephone Consultation**

|  |                      |     |                 |
|--|----------------------|-----|-----------------|
| • During Normal Working Hours (7:30am - 5:30 pm) | 11. \$ <u>85</u> /hr | 500 | \$ <u>42500</u> |
| • After Normal Working Hours                     | 12. \$ <u>85</u> /hr | 100 | \$ <u>8500</u>  |

**DRILLING AND SAMPLING**

Normal operating cost for drilling and sampling includes equipment, drill rig personnel, geologist/engineer for logging purposes, technician and support services, drilling, lithologic logging, backfilling borings, cleanup, and decontamination. Drilling methods include hollow stem auger and direct push drilling.

| <b>Hollow Stem Auger Drilling</b>   | <b>Unit Price</b>  | <b>Quantity</b> | <b>Total</b> |
|---|--------------------|-----------------|--------------|
| Mobilization/Demobilization: Includes all work necessary to transport to and from the site all personnel, materials, and equipment; first drill set-up and ultimate removal and decontamination of equipment and temporary facilities; and final cleanup of drilling location. Also includes hand augering mobilization/ demobilization if required at the same site. | 13. \$ 2000 /site  | 100             | \$ 200000    |
| Hollow Stem Auger Drilling: Bid cost includes backfilling of the borings.   | 14. \$ 40 /ft      | 1000            | \$ 40000     |
| Mobilization/Demobilization of dual tube <u>direct push drilling rig</u> : Includes all work necessary to transport to and from the location all personnel, materials, and equipment; first drill set-up and ultimate removal and decontamination of equipment and temporary facilities; and final cleanup of drilling location.                                      | 15. \$ 1000 /loc   | 20              | \$ 20000     |
| Dual Tube Direct Push Drilling: Includes backfilling of the borings. Per foot calculation is the depth of each boring, not total linear feet of the work order.   |                    |                 |              |
| Direct Push Drilling: 0 - 50 feet   | 16. \$ 28 /ft      | 1000            | \$ 28000     |
| Emplacement of direct push driven bailer 0-50 feet  | 17. \$ 120 /sample | 20              | \$ 2400      |
| <b>Installing Monitoring Wells:</b> Installation of monitoring wells shall be bid as a surcharge added to the cost of drilling, above. Normal operating cost includes equipment, bentonite or grout, filter pack, personnel, support services, cleanup, construction of the monitoring well, and decontamination.   |                    |                 |              |
| Well completed inside hollow stem auger.  | 18. \$ 28 /ft      | 500             | \$ 14000     |
| Well development.   | 19. \$ 150 /hr     | 500             | \$ 75000     |
| Water level measurement, sounding, and recording data.  | 20. \$ 25 /well    | 20              | \$ 500       |
| Sampling. Includes purging, temperature, ph and conductivity measurement. Water sample from well  | 21. \$ 75 /sample  | 250             | \$ 18750     |
| Temporary Well: Installation and removal of temporary 1 or 2 inch diameter well installed within a direct push or hollowstem borehole. The casing for the well  |                    |                 |              |

shall be 1 or 2 inch ID PVC and have flush threaded joints and factory slotted (0.02") screens. The temporary well shall be in place no less than 24 hours and no more than 48 hours or as directed by the Contract manager. The Contactor shall be capable of measuring groundwater levels, purging, and collecting groundwater samples from within the temporary well.

22. \$ 20 /ft                      500                      \$ 10000

**Monitoring Well Sampling:** Normal operating cost for well sampling includes supplies, sampling equipment, well purging, purge water storage, field personnel, decontamination, field health and safety equipment, decontamination, and clean up. This section applies to well sampling events, such as quarterly monitoring, when conducted separately from drilling and well installation.

Mobilization/Demobilization: Includes all work necessary to transport to and from the site all personnel, materials, and equipment, set up and breakdown of equipment, decontamination of equipment, transportation of samples to the laboratory, and final clean up of site. Site includes wells within a 1 mile radius.

23. \$ 300 /site                      20                      \$ 6000

Sampling and water level measurements will be paid per bid items 20 and 21, above.

**Hand Augering:** Normal operating cost includes equipment, geologist/engineer for lithologic logging, technician, back filling with bentonite or grout, cleanup, and decontamination.

Mobilization/Demobilization: Includes all work necessary to transport to and from the site all personnel, materials, and equipment, lithologic logging, ultimate removal, backfill of boreholes, decontamination of equipment and temporary facilities and final cleanup of drilling location. This bid item applies when hand augering is the only mode of sample acquisition. The item does not apply when a drill rig is also used as part of the investigation.

24. \$ 400 /site                      20                      \$ 8000

Hand-held auger

25. \$ 15 /ft                      200                      \$ 3000

**Trenching:** Normal operating cost includes equipment, backhoe personnel, geologist/engineer for logging, support services, trenching, cleanup, and decontamination. Backhoe Case 580 or equivalent.

Mobilization/Demobilization: Includes all work necessary to transport to and from the site all personnel, materials, and equipment; first set-up and ultimate removal and decontamination of equipment and temporary facilities; backfilling of the trench and final cleanup of trenching site.

26. \$ 1500 /site                      10                      \$ 15000

- Unshored trench
- Imported clean material for backfilling

27. \$ 2000 /day                      20                      \$ 40000

28. \$ 55 /cubic yards                      1000                      \$ 55000

Shoring, if necessary, will be paid for as extra work.

**Sampling**

|  | <u>Unit Price</u>        | <u>Quantity</u> | <u>Total</u>   |
|--|--------------------------|-----------------|----------------|
| Soil Sampling (for analysis): Includes collecting samples from drilling, hand augering, trenching. | 29. \$ <u>15</u> /sample | 100             | \$ <u>1500</u> |
| Water sample from undeveloped boring   | 30. \$ <u>20</u> /sample | 100             | \$ <u>2000</u> |
| Surface water sample: Trench, ditch and stream samples.  | 31. \$ <u>20</u> /sample | 100             | \$ <u>2000</u> |

**PERSONNEL RATES FOR INVESTIGATION, DATA ANALYSIS AND REPORTING**

Provide composite hourly rates covering fieldwork, data analysis, writing, and report preparation for the classifications listed below. The rates shall include all costs (supplies, clerical assistance, overhead, fees and profit, and any other associated costs for this work) for the classifications normally used for such work. Costs for travel time, per diem, and mileage are to be included in the hourly rates. See Article IX of the dram contract for additional information.

|  |                       |      |                 |
|--|-----------------------|------|-----------------|
| Registered Geologist or Engineering Geologist or Registered Engineer.  | 32. \$ <u>98</u> /hr  | 400  | \$ <u>39200</u> |
| Certified Industrial Hygienist   | 33. \$ <u>140</u> /hr | 400  | \$ <u>56000</u> |
| Technician   | 34. \$ <u>88</u> /hr  | 1000 | \$ <u>88000</u> |
| Non-registered professional with chemistry, engineering, geology or other science degree.  | 35. \$ <u>75</u> /hr  | 500  | \$ <u>37500</u> |
| Laborer  | 36. \$ <u>82</u> /hr  | 1000 | \$ <u>82000</u> |
| Work Request Meetings: The bid rate is a combined hourly rate for two people (the Work Order Manager and the field supervisor for the Work Request) which covers the meeting time only. No separate travel time/per diem or mileage is paid; compensation for travel time/per diem and mileage is to be included in the hourly rate bid for this item. (This bid item covers prework conferences, prework site visits, and progress meetings). | 37. \$ <u>80</u> /hr  | 1000 | \$ <u>80000</u> |
| Regulatory Agency/Public hearings and meetings to discuss reports and results (registered person in responsible charge of the investigation to attend).  | 38. \$ <u>90</u> /hr  | 50   | \$ <u>4500</u>  |

**EQUIPMENT**

Normal operating cost includes all Mobilization/Demobilization costs necessary to transport to and from the site all personnel, materials, and equipment; set up and remove and decontaminate equipment and temporary facilities; all costs, fees, and profit for operators and equipment operation; and final cleanup of work location.

|  |     | <u>Unit Price</u> | <u>Quantity</u> | <u>Total</u> |
|--|-----|-------------------|-----------------|--------------|
| Organic Vapor Meter (Flame Ionization Detector)                  | 39. | \$ 50 /day        | 100             | \$ 5000      |
| Hnu meter (Photo Ionization Detector)                            | 40. | \$ 125 /day       | 100             | \$ 12500     |
| New 55 Gallon Drum (DOT #17H)                                    | 41. | \$ 65 /drum       | 250             | \$ 16250     |
| Level C Protection (per crew of 4 persons)                       | 42. | \$ 20 /hr         | 500             | \$ 10000     |
| Temporary chain link fencing (includes installation and removal) | 43. | \$ 10 /lin. ft    | 500             | \$ 5000      |

**MATERIAL/WASTE REMOVAL ACTIVITIES**

The established rates for personnel services and equipment listed in other bid items will apply during material/waste removal activities. Prices for these services and items typically used in hazardous material and underground tank cleanup are not repeated here. No statements such as "prices are available on request" or "cost plus" are allowed. Services and items provided and not listed on the bid item price schedule will be reimbursed as Extra Work. Prior to performing Extra Work, the Contractor shall provide a cost estimate of Extra Work to the Contract Manager or Designee for approval. All items of Extra Work shall be associated with material/waste removal activities.

The contract cost for site cleanup would normally include:

1. Personnel (per bid items listed above).
2. Equipment, including mobilization/demobilization, rental, operation, etc. (per bid items listed above as well as other equipment not listed in the bid items)
3. Treatment, Hauling and/or Disposal Charges
4. Reimbursable Material Charges

**Asbestos Concrete Products (ACP) Removal:**

Normal operating cost includes removal, cutting, prevention or control of fiber release, keeping ACP wet, and preparation for transportation. Bid item includes all labor, equipment, supplies, tools, and signs for different sizes, classes and types of ACP, preparation, and loading. Transportation and disposal of ACP will be paid as Extra Work.

|  |     |                 |      |           |
|--|-----|-----------------|------|-----------|
| Remove ACP, handle and prepare for transportation and disposal | 44. | \$ 100 /lin. ft | 3000 | \$ 300000 |
|--|-----|-----------------|------|-----------|

**LABORATORY ANALYSIS**

Payment for multiple expedited analysis (if applicable) will be at the discounted rate; i.e. number of analyses x bid price x quantity discount x expedited surcharge = cost.

**Turnaround Time:** The following surcharges shall apply for elapsed turnaround time. Add the following applicable percent (%) surcharge to the regular bid price for each laboratory test. Standard turnaround time is 5 business days.

|  |     |               |
|--|-----|---------------|
| 48 hours                               | 45. | <u>50</u> /%  |
| 24 hours (verbal reporting of results) | 46. | <u>100</u> /% |

**Quantity Discounts:** The percentage discounts shall apply to all chemical and physical tests bid in the laboratory testing section only. The calculated discount is based on the number of samples per analytical method estimated in the work order. The discount actually received is based on the number of analyses performed per analytical method. Discounts apply to samples sent to the laboratory on a single chain of custody form or set of forms with the same date, and to samples sent for analysis during a single sampling interval when the overall number of samples for that interval was established in advance.

|                     |     |             |
|---------------------|-----|-------------|
| 11 to 25 samples    | 47. | <u>0</u> /% |
| 26 to 50 samples    | 48. | <u>1</u> /% |
| 51 to 100 samples   | 49. | <u>2</u> /% |
| 101 or more samples | 50. | <u>5</u> /% |

**Scans:** Bid price is inclusive for all listed elements or compounds as a group and shall include any necessary preparation method cost. Unless indicated otherwise, all test methods are for total concentration analysis. Includes all necessary digestion, filtration, extraction to produce extractant and conduct analysis.

|  | <u>Unit Price</u>      | <u>Quantity</u> | <u>Total</u>   |
|--|------------------------|-----------------|----------------|
| Elements Scan: (ICAP) U.S. EPA method 6010-liquid and/or soil matrix. All elements listed in method: Sb, As, Ba, Be, Cd, Cr (total), Co, Cu, Pb, Mo, Ni, Se, Ag, Tl, V, Zn | 51. \$ <u>88</u> /test | 100             | \$ <u>8800</u> |

**Waste Extraction Test (WET) (22 CCR 667000):** If total metal concentration (TTLC) is more than 10X STLC for the respective metal, the Contractor is to contact the Caltrans Contract Manager before proceeding with the WET test. Payment will be denied for unapproved chemical testing. If the test result indicates solubility greater than 125%, then the sample will automatically be re-run on an expedited turnaround time at no expense to Caltrans.

|   |                           |     |                |
|---|---------------------------|-----|----------------|
| WET (Waste Extraction Test): Includes all digestion and filtration necessary to produce an extractable concentration for all elements and compounds other than hexavalent chromium (using citric acid buffer or de-ionized water) (EPA Method 3050) | 52. \$ <u>38</u> /extract | 100 | \$ <u>3800</u> |
|---|---------------------------|-----|----------------|

Test methods for analyses of extractable concentration: Any single element, Ba, Cd, Total Cr,

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Hexavalent Cr, Pb, Hg, Ni, Se, Ag, (CCR approved EPA Series 7000 methods) 53. \$ 12 /test 100 \$ 1200

**Toxicity Characteristic Leaching Procedure (TCLP) (EPA 1311):** Includes all preparation, extraction, and filtration of solids or liquids necessary to produce an extract for arsenic, barium, Cd, Pb, Hg, or Ag; analysis of extract by EPA 7000 series.

|                            | <u>Unit Price</u>         | <u>Quantity</u> | <u>Total</u>   |
|----------------------------|---------------------------|-----------------|----------------|
| Inorganic element analysis | 54. \$ <u>38</u> /extract | 100             | \$ <u>3800</u> |
|                            | 55. \$ <u>12</u> /test    | 100             | \$ <u>1200</u> |

**Organic Compound Analyses:** Includes all necessary digestion, filtration, extraction to produce extract and conduct analysis.

Standard Method EPA 1664 56. \$ 38 /test 100 \$ 3800

Gasoline: Modified EPA 8015 to determine Total Petroleum Hydrocarbons as gasoline in water and soil as described in the LUM Field Manual (October, 1989) 57. \$ 38 /test 100 \$ 3800

Gasoline Analysis , EPA 8260 to determine total Petroleum Hydrocarbons as gasoline in water and soil as described in LUM Field Manual (October 1989), Benzene, Toluene, Xylene, and Ethyl Benzene, Oxygenate Compounds (TBA,MTBE,DIPE, ETBE, and TAME) 58. \$ 116 /test 100 \$ 11600

Diesel Fuel: Modified EPA 8015 to determine Total Petroleum Hydrocarbons as diesel fuel in water and soil as per general procedure for total petroleum hydrocarbon determination as described in LUM Field Manual (October, 1989) 59. \$ 38 /test 100 \$ 3800

TPH Oil: Modified EPA 8015 60. \$ 38 /test 100 \$ 3800

Organolead: per LUM Field Manual 61. \$ 65 /test 100 \$ 6500

EPA 8000 Series - Solids, Liquids 62. \$ 0 /test 100 \$ 0

Aromatic and Halogenated Volatile Organics, EPA 8260 63. \$ 75 /test 100 \$ 7500

Organochlorine Pesticides and PCBs, EPA 8081 64. \$ 116 /test 100 \$ 11600

GC/MS for Volatile Organics, EPA 8260B 65. \$ 94 /test 100 \$ 9400

GC/MS for Fuel Oxygenate Compounds TBA,MTBE,DIPE, ETBE, and TAME, EPA 8260B 66. \$ 73 /test 100 \$ 7300

GC/MS for Semivolatile Organics, EPA 8270C 67. \$ 150 /test 100 \$ 15000

**Inorganic Element Analyses:** Includes all necessary digestion, filtration, extraction to produce extractant and conduct analysis.

|  | <u>Unit Price</u>       | <u>Quantity</u> | <u>Total</u>    |
|--|-------------------------|-----------------|-----------------|
| ICAP any single element -- <u>EPA 6010</u> , Bid item includes appropriate extraction procedure                                      | 68. \$ <u>12</u> /test  | 100             | \$ <u>1200</u>  |
| Atomic Absorption EPA 7000 series  | 69. \$ <u>19</u> /test  | 100             | \$ <u>1900</u>  |
| Hexavalent chromium by EPA 7199, includes digestion by EPA 3060  | 70. \$ <u>75</u> /test  | 100             | \$ <u>7500</u>  |
| <b>Miscellaneous Test Methods:</b> Includes all necessary digestion, filtration, extraction to produce extract and conduct analysis. |                         |                 |                 |
| Asbestos, Polarized Light Microscopy (PLM)   | 71. \$ <u>14</u> /test  | 100             | \$ <u>1400</u>  |
| Asbestos Phased Contrast Microscopy (PCM)  | 72. \$ <u>14</u> /test  | 100             | \$ <u>1400</u>  |
| Asbestos Transmission Electron Microscopy (TEM)  | 73. \$ <u>73</u> /test  | 100             | \$ <u>7300</u>  |
| pH Electrometric Measurement <u>EPA 9040</u>   | 74. \$ <u>10</u> /test  | 100             | \$ <u>1000</u>  |
| Soil Ph, <u>EPA 9045</u>   | 75. \$ <u>10</u> /test  | 100             | \$ <u>1000</u>  |
| Specific Conductance, <u>EPA 9050</u>  | 76. \$ <u>13</u> /test  | 100             | \$ <u>1300</u>  |
| Total Dissolved Solids (TDS), <u>SM2540C or SM 209B</u>  | 77. \$ <u>18</u> /test  | 100             | \$ <u>1800</u>  |
| Temperature (field measurement)  | 78. \$ <u>10</u> /test  | 100             | \$ <u>1000</u>  |
| Conductivity (field measurement)   | 79. \$ <u>10</u> /test  | 100             | \$ <u>1000</u>  |
| pH (field measurement)   | 80. \$ <u>15</u> /test  | 100             | \$ <u>1500</u>  |
| Fish Bioassay (22CCR66696 (A)(4))  | 81. \$ <u>315</u> /test | 100             | \$ <u>31500</u> |
| Monitor Well Destruction   | 82. \$ <u>45</u> /ft    | 100             | \$ <u>4500</u>  |
| Air Monitoring – Real Time for Dust PDR-1000   | 83. \$ <u>38</u> /hr    | 100             | \$ <u>3800</u>  |
| Air Monitoring – Ambient (Personal Air Pumps with Cassettes)   | 84. \$ <u>11</u> /hr    | 100             | \$ <u>1100</u>  |
| Total Suspended Solids (TSS) SM 2540D  | 85. \$ <u>20</u> /test  | 100             | \$ <u>2000</u>  |
| Total Organic Carbon (TOC) SM 5310B  | 86. \$ <u>40</u> /test  | 100             | \$ <u>4000</u>  |
| Oil and Grease EPA 1664  | 87. \$ <u>38</u> /test  | 100             | \$ <u>3800</u>  |

**ATTACHMENT 1**

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|   |                         |                 |                        |
|---|-------------------------|-----------------|------------------------|
| GPS Data Collection (Includes Mobilization, Demobilization, Personnel, Materials and Equipment)                 | 88. \$ <u>120</u> /hr   | 100             | \$ <u>12000</u>        |
|   | <b>Unit Price</b>       | <b>Quantity</b> | <b>Total</b>           |
| Total Coliform Bacteria (SM 9221A-D)  | 89. \$ <u>45</u> /test  | 100             | \$ <u>4500</u>         |
| Biological Oxygen Demand (BOD) SM 5210B   | 90. \$ <u>34</u> /test  | 100             | \$ <u>3400</u>         |
| Methylene Blue Active Substances (MBAS) SM 5540C  | 91. \$ <u>50</u> /test  | 100             | \$ <u>5000</u>         |
| Chlorine by EPA 300.0   | 92. \$ <u>25</u> /test  | 100             | \$ <u>2500</u>         |
| Residual Chlorine by SM 4500CIG   | 93. \$ <u>35</u> /test  | 100             | \$ <u>3500</u>         |
| Mercury by EPA 245.1 and 245.5  | 94. \$ <u>35</u> /test  | 100             | \$ <u>3500</u>         |
| Fecal Coli form by SM 9221A-E   | 95. \$ <u>45</u> /test  | 100             | \$ <u>4500</u>         |
| Fungus and Mold by Standard Method 915  | 96. \$ <u>45</u> /test  | 100             | \$ <u>4500</u>         |
| Poly Aromatic Hydrocarbons (PAHS) by EPA 8310   | 97. \$ <u>135</u> /test | 100             | \$ <u>13500</u>        |
| Personnel Mobilization Without Drill Mobilization (#13, #15, or #24) Includes Travel Time, Per Diem and Mileage | 98. \$ <u>110</u> /hour | 100             | \$ <u>11000</u>        |
|   |                         | Sub-Total       | \$ <u>2,025,275.00</u> |
| Unanticipated "Extra Work" as defined in Exhibit A.12 Add 10% of Sub-Total                                      |                         |                 | \$ <u>202,527.50</u>   |
|   | <b>GRAND TOTAL</b>      |                 | \$ <u>2,227,802.50</u> |

(1) THE ABOVE QUANTITIES ARE ESTIMATES ONLY AND ARE GIVEN AS A BASIS FOR COMPARISON OF BIDS. NO GUARANTEE IS MADE OR IMPLIED AS TO THE EXACT QUANTITY.

(2) IN CASE OF DISCREPANCY BETWEEN THE UNIT PRICE AND THE TOTAL SET FORTH FOR A UNIT BASIS ITEM, THE UNIT PRICE SHALL PREVAIL.

**ATTACHMENT 4**  
**BID/BIDDER CERTIFICATION SHEET**

Only an individual who is authorized to bind the bidding firm contractually shall sign the Bid/Bidder Certification Sheet. The signature must indicate the title or position that the individual holds in the firm. This Bid/Bidder Certification Sheet must be signed and returned along with all "required attachments" as an entire package with original signatures. The bid must be transmitted in a sealed envelope in accordance with IFB instructions.

- A. Our all-inclusive bid is submitted in a sealed envelope marked "**Bid Submittal - Do Not Open**".
- B. All required attachments are included with this certification sheet.
- C. I have read and understand the DVBE participation requirements and have included documentation demonstrating that I have met the participation goals.
- D. The signature affixed hereon and dated certifies compliance with all the requirements of this bid document. The signature below authorizes the verification of this certification.
- E. The signature and date affixed hereon certifies that this bid is a firm offer for a 90-day period.

**An Unsigned Bid/Bidder Certification Sheet May Be Cause for Bid Rejection**

|  |  |  |
|--|--|--|
| 1. Company Name<br>Geocon Consultants, Inc.  | 2. Telephone Number<br>(858) 558-6900  | 2a. Fax Number<br>(858) 558-6159                   |
| 2b. Email Address    day@geoconinc.com   |  |  |
| 3. Address<br>6960 Flanders Drive, San Diego, California 92121   |  |  |
| Indicate your organization type:   |  |  |
| 4. <input type="checkbox"/> Sole Proprietorship  | 5. <input type="checkbox"/> Partnership  | 6. <input checked="" type="checkbox"/> Corporation |
| Indicate the applicable employee and/or corporation number:  |  |  |
| 7. Federal Employee ID No. (FEIN)    33-0337907  | 8. California Corporation No.    C1553398  |  |
| Indicate applicable license and/or certification information:  |  |  |
| 9. Contractor's State Licensing<br>Board Number<br>A-C57-HAZ, No. 716050   | 10. PUC License Number<br>CAL-T-<br>NA   |  |
| 11. Bidder' Name (Print)<br>Richard Day  | 12. Title<br>Sr. Vice President  |  |
| 13. Signature<br>   | 14. Date<br>September 3, 2015  |  |
| 15. Are you certified with the Department of General Services, Office of Small Business and Disabled Veteran Business Enterprise Services (OSDS) as:                                       |  |  |
| a. Small Business Enterprise    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/><br>If yes, enter certification number: _____   | b. Disabled Veteran Business Enterprise    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/><br>If yes, enter your service code below: _____ |  |
| <b>NOTE:</b> A copy of your Certification is required to be included if either of the above items is checked " <b>Yes</b> ".   |  |  |
| Date application was submitted to OSDS, if an application is pending: _____  |  |  |
| 16. Are you a Non-Small Business committing to the use of 25% Certified Small Business Subcontractor Participation?<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |  |  |
| If Yes, complete and return the Bidder Declaration form, GSPD-05-105 with your bid.  |  |  |

**BIDDER DECLARATION**

**1. Prime bidder information (Review attached Bidder Declaration Instructions prior to completion of this form):**

a. Identify current California certification(s) (MB, SB, SB/NVSA, DVBE): \_\_\_\_\_ or None  (If "None," go to Item #2)

b. Will subcontractors be used for this contract? Yes  No \_\_\_ (If yes, indicate the distinct element of work your firm will perform in this contract e.g., list the proposed products produced by your firm, state if your firm owns the transportation vehicles that will deliver the products to the State, identify which solicited services your firm will perform, etc.). Use additional sheets, as necessary.

Hazardous Substance Removal Services - Bid Items: 1-4, 11, 12, 15-17, 19-32, 34-44, 78-80, 82-84, 88, 98

c. If you are a California certified DVBE: (1) Are you a broker or agent? Yes \_\_\_ No \_\_\_  
(2) If the contract includes equipment rental, does your company own at least 51% of the equipment provided in this contract (quantity and value)? Yes \_\_\_ No \_\_\_ N/A \_\_\_

**2. If no subcontractors will be used, skip to certification below. Otherwise, list all subcontractors for this contract. (Attach additional pages if necessary):**

| Subcontractor Name, Contact Person, Phone Number & Fax Number                       | Subcontractor Address & Email Address  | CA Certification (MB, SB, DVBE or None) | Work performed or goods provided for this contract | Corresponding % of bid price | Good Standing? | 51% Rental? |
|---|--|---|--|------------------------------|----------------|-------------|
| Southwest Geophysics<br>Hans van de Vrugt<br>858.527.0849<br>DIR #1000008921        | 8057 Raytheon Road<br>San Diego, CA 92111<br>hvandevrugt@southwestgeophysics.com | SB #40156                               | Geophysical Surveys<br>No bid items.               | T.B.D.                       | Yes            | No          |
| North County Traffic Control<br>Mike Requilman<br>760.802.7824<br>DIR #1000028446   | 29779 Valley Center Road<br>Valley Center, CA 92082<br>mike.nctc@gmail.com       | SB #1790410                             | Traffic Control<br>No bid items.                   | T.B.D.                       | Yes            | No          |
| Castlerock Environmental, Inc.<br>Marty Gonzalez<br>562.941.9244<br>DIR #1000003462 | 10040 Painter Avenue<br>Santa Fe Springs, CA 90670<br>marty@castlerock.com       | None                                    | Asbestos Abatement<br>Bid item: 44                 | T.B.D.                       | Yes            | No          |

**CERTIFICATION: By signing the bid response, I certify under penalty of perjury that the information provided is true and correct.**

**BIDDER DECLARATION**

- 1. Prime bidder information (Review attached Bidder Declaration Instructions prior to completion of this form):**
- a. Identify current California certification(s) (MB, SB, SB/NVSA, DVBE): \_\_\_\_\_ or None  (If "None," go to Item #2)
  - b. Will subcontractors be used for this contract? Yes  No  (If yes, indicate the distinct element of work your firm will perform in this contract e.g., list the proposed products produced by your firm, state if your firm owns the transportation vehicles that will deliver the products to the State, identify which solicited services your firm will perform, etc.). Use additional sheets, as necessary.  
Hazardous Substance Removal Services - Bid Items: 1-4, 11, 12, 15-17, 19-32, 34-44, 78-80, 82-84, 88, 98
  - c. If you are a California certified DVBE: (1) Are you a broker or agent? Yes  No   
 (2) If the contract includes equipment rental, does your company own at least 51% of the equipment provided in this contract (quantity and value)? Yes  No  N/A

**2. If no subcontractors will be used, skip to certification below. Otherwise, list all subcontractors for this contract. (Attach additional pages if necessary):**

| Subcontractor Name, Contact Person, Phone Number & Fax Number                      | Subcontractor Address & Email Address                                    | CA Certification (MB, SB, DVBE or None) | Work performed or goods provided for this contract                      | Corresponding % of bid price | Good Standing? | 51% Rental? |
|--|--|---|---|------------------------------|----------------|-------------|
| Krause and Associates<br>Douglas Krause<br>530.758.6397<br>DIR #1000020744         | 216 F Street, 162<br>Davis, CA 95616<br>dskrause@pacbell.net             | DVBE #15207                             | Industrial Hygiene<br>Health and Safety<br>Bid items: 3-10, 33          | 3%                           | Yes            | No          |
| Statewide Traffic Safety & Signs<br>Chris Jones<br>858.679.7292<br>DIR #1000001109 | 13755 Blairsdell Place<br>Poway, CA 92064<br>cjones@stssi.com            | None                                    | Traffic Control Parking<br>and Highway<br>Improvements<br>No bid items. | T.B.D.                       | Yes            | No          |
| Belshire Environmental Services<br>Brian Cass<br>949.460.5200<br>DIR #1000010287   | 25971 Towne Centre Dr.<br>Foothill Ranch, CA 92610<br>brian@belshire.com | None                                    | Hazardous Waste Transport<br>No bid items.                              | T.B.D.                       | Yes            | No          |

**CERTIFICATION: By signing the bid response, I certify under penalty of perjury that the information provided is true and correct.**

**BIDDER DECLARATION**

**1. Prime bidder information (Review attached Bidder Declaration Instructions prior to completion of this form):**

a. Identify current California certification(s) (MB, SB, SB/NVSA, DVBE): \_\_\_\_\_ or None X (If "None", go to Item #2)

b. Will subcontractors be used for this contract? Yes X No \_\_\_\_ (If yes, indicate the distinct element of work your firm will perform in this contract e.g., list the proposed products produced by your firm, state if your firm owns the transportation vehicles that will deliver the products to the State, identify which solicited services your firm will perform, etc.). Use additional sheets, as necessary.

Hazardous Substance Removal Services - Bid Items: 1-4, 11, 12, 15-17, 19-32, 34-44, 78-80, 82-84, 88, 98

c. If you are a California certified DVBE: (1) Are you a broker or agent? Yes \_\_\_\_ No \_\_\_\_  
 (2) If the contract includes equipment rental, does your company own at least 51% of the equipment provided in this contract (quantity and value)? Yes \_\_\_\_ No \_\_\_\_ N/A \_\_\_\_

**2. If no subcontractors will be used, skip to certification below. Otherwise, list all subcontractors for this contract. (Attach additional pages if necessary):**

| Subcontractor Name, Contact Person, Phone Number & Fax Number                          | Subcontractor Address & Email Address   | CA Certification (MB, SB, DVBE or None) | Work performed or goods provided for this contract          | Corresponding % of bid price | Good Standing? | 51% Rental? |
|--|---|---|---|------------------------------|----------------|-------------|
| Advanced Technology Laboratories<br>Edric Caballero<br>562.989.4045<br>DIR #1000020747 | 3275 Walnut Avenue<br>Signal Hill, CA 90755<br>edric@atlglobal.com              | SB #61086                               | Analytical Laboratory<br>Bid items: 45-77, 81, 85-87, 89-97 | T.B.D.                       | Yes            | No          |
| H&P Mobile Geochemistry<br>Louise Adams<br>760.804.9678<br>DIR #1000017615             | 2470 Impala Drive<br>Carlsbad, CA 92010<br>louise.adams@handpmsg.com            | SB #1736800                             | Mobile Laboratory<br>No bid items.                          | T.B.D.                       | Yes            | No          |
| Asset Laboratories<br>Puri Romualdo<br>562.882.1949<br>DIR #1000017626                 | 11060 Artesia Blvd., Ste. C<br>Cerritos, CA 90703<br>puri@assetlaboratories.com | None                                    | Analytical Laboratory<br>Bid items: 45-77, 81, 85-87, 89-97 | T.B.D.                       | Yes            | No          |

**CERTIFICATION: By signing the bid response, I certify under penalty of perjury that the information provided is true and correct.**

**BIDDER DECLARATION**

**1. Prime bidder information (Review attached Bidder Declaration Instructions prior to completion of this form):**

a. Identify current California certification(s) (MB, SB, SB/NVSA, DVBE): \_\_\_\_\_ or None  (If "None", go to Item #2)

b. Will subcontractors be used for this contract? Yes  No \_\_\_ (If yes, indicate the distinct element of work your firm will perform in this contract e.g., list the proposed products produced by your firm, state if your firm owns the transportation vehicles that will deliver the products to the State, identify which solicited services your firm will perform, etc.). Use additional sheets, as necessary.

Hazardous Substance Removal Services - Bid Items: 1-4, 11, 12, 15-17, 19-32, 34-44, 78-80, 82-84, 88, 98

c. If you are a California certified DVBE: (1) Are you a broker or agent? Yes \_\_\_ No \_\_\_  
 (2) If the contract includes equipment rental, does your company own at least 51% of the equipment provided in this contract (quantity and value)? Yes \_\_\_ No \_\_\_ N/A \_\_\_

**2. If no subcontractors will be used, skip to certification below. Otherwise, list all subcontractors for this contract. (Attach additional pages if necessary):**

| Subcontractor Name, Contact Person, Phone Number & Fax Number              | Subcontractor Address & Email Address                                  | CA Certification (MB, SB, DVBE or None) | Work performed or goods provided for this contract             | Corresponding % of bid price | Good Standing? | 51% Rental? |
|--|--|---|--|------------------------------|----------------|-------------|
| Cascade Drilling L.P.<br>Manuel Marquez<br>619.596.0644<br>DIR #1000011273 | 1333 W. 9th Street<br>Upland, CA 91786<br>mmarquez@cascadedrilling.com | None                                    | Environmental Drilling<br>Bid items: 13-22                     | T.B.D.                       | Yes            | No          |
| EMSL/LA Testing<br>Daniel Kocher<br>858.499.1303<br>DIR #1000020750        | 7916 Convey Court<br>San Diego, CA 92111<br>dkocher@emsl.com           | None                                    | Analytical Laboratory<br>Bid items: 45-77, 81,<br>85-87, 89-97 | T.B.D.                       | Yes            | No          |
|  |  |   |  |                              |                |             |

**CERTIFICATION: By signing the bid response, I certify under penalty of perjury that the information provided is true and correct.**

**ATTACHMENT 9**

STATE OF CALIFORNIA – DEPARTMENT OF GENERAL SERVICES PROCUREMENT DIVISION  
**DISABLED VETERAN BUSINESS ENTERPRISE DECLARATIONS**

STD. 843 (Rev. 5/2006)

**Instructions:** The disabled veteran (DV) owner(s) and DV manager(s) of the Disabled Veteran Business Enterprise (DVBE) must complete this declaration when a DVBE contractor or subcontractor will provide materials, supplies, services or equipment [Military and Veterans Code Section 999.2]. Violations are misdemeanors and punishable by imprisonment or fine and violators are liable for civil penalties. All signatures are made under penalty of perjury.

**SECTION 1**

Name of certified DVBE: Krause & Associates DVBE Reference Number: 15207  
Description (materials/supplies/services/equipment proposed): Health & Safety, Industrial Hygiene  
Solicitation/Contract Number: 11A2343 SCPRS Reference Number: \_\_\_\_\_  
(FOR STATE USE ONLY)

**SECTION 2**

**APPLIES TO ALL DVBEs. Check only one box in Section 2 and provide original signatures.**

- I (we) declare that the DVBE is not a broker or agent, as defined in Military and Veterans Code Section 999.2 (b), of materials, supplies, services or equipment listed above. Also, complete section 3 below if renting equipment.
- Pursuant to Military and Veterans Code Section 999.2 (f), I (we) declare that the DVBE is a broker or agent for the principal(s) listed below or on an attached sheet(s). (Pursuant to Military and Veterans Code 999.2 (e), State funds expended for equipment rented from equipment brokers pursuant to contracts awarded under this section shall not be credited toward the 3-percent DVBE participation goal.)

All DV owners and managers of the DVBE (attach additional pages with sufficient signature blocks for each person to sign):

Douglas S. Krause, CIH [Signature] September 3, 2015  
(Printed Name of DV Owner/Manager) (Signature of DV Owner/Manager) (Date Signed)  
\_\_\_\_\_  
(Printed Name of DV Owner/Manager) (Signature of DV Owner/Manager) (Date Signed)

Firm/Principal for whom the DVBE is acting as a broker or agent: Geocon Consultants, Inc.  
(If more than one firm, list on extra sheets.) (Print or Type Name)

Firm/Principal Phone: 858.558.6900 Address: 6960 Flanders Drive, San Diego, CA 92121

**SECTION 3**

**APPLIES TO ALL DVBEs THAT RENT EQUIPMENT AND DECLARE THE DVBE IS NOT A BROKER.**

- Pursuant to Military and Veterans Code Section 999.2 (c), (d) and (g), I am (we are) the DV(s) with at least 51% ownership of the DVBE, or a DV manager(s) of the DVBE. The DVBE maintains certification requirements in accordance with Military and Veterans Code Section 999 et. Seq
- The undersigned owner(s) own(s) at least 51% of the quantity and value of each piece of equipment that will be rented for use in the contract identified above. I (we), the DV owners of the equipment, have submitted to the administering agency my (our) personal federal tax return(s) at time of certification and annually thereafter as defined in Military and Veterans Code 999.2, subsections (c) and (g). Failure by the disabled veteran equipment owner(s) to submit their personal federal tax return(s) to the administering agency as defined in Military and Veterans Code 999.2, subsections (c) and (g), will result in the DVBE being deemed an equipment broker.

Disabled Veteran Owner(s) of the DVBE (attach additional pages with signature blocks for each person to sign):

\_\_\_\_\_  
(Printed Name) (Signature) (Date Signed)  
\_\_\_\_\_  
(Address of Owner) (Telephone) (Tax Identification Number of Owner)

Disabled Veteran Manager(s) of the DVBE (attach additional pages with sufficient signature blocks for each person to sign):

\_\_\_\_\_  
(Printed Name of DV Manager) (Signature of DV Manager) (Date Signed)

# Krause & Associates

216 F Street, Suite 162  
Davis, California 95616  
Tel: 530.758.6397  
Fax: 530.758.6506  
Email: dskrause@aol.com pacbell.net

P. O. Box 639  
Little River, CA 95456-0639  
Tel: 707.937.3920  
Fax: 707.937.1639

September 3, 2015

Richard W. Day, CEG, CHG  
Geocon Consultants, Inc.  
6960 Flanders Drive  
San Diego, California 92121

Subject: Caltrans Contract No. 11A2343.

Dear Mr. Day:

Consistent with our business relationship over the past twelve years, Krause & Associates will continue to provide Certified Industrial Hygiene (CIH) services, including Health and Safety Training in support of the Geocon health and safety program and field operations, as well as services as required under the above referenced State of California Department of Transportation contract; professional CIH services will be provided at a proposed billing rate of \$125 per hour.

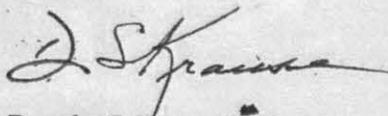
Krause & Associates is certified by the California Department of General Services as a Small Business & Disabled Veteran Business Enterprise; Cert. No. 15207 - MB/DVBE.

Douglas S. Krause, CIH, as the sole employee of Krause & Associates will provide services under this contract. Although Mr. Krause worked for the State of California for 15 years and left state service in January 1989, he was never employed by the Department of Transportation.

Douglas S. Krause, President, who possesses the authority to execute a binding contract on behalf of Krause & Associates, prepared this statement. Please phone me at (530) 758-6397 if you have any questions or need additional information.

Sincerely,

Krause & Associates



Douglas S. Krause, CIH  
President

dsk/dc

ADVANCED  TECHNOLOGY  
LABORATORIES

*Laboratory Excellence Defined*

August 31, 2015

Richard Day, CEG, CHG  
Geocon Consultants, Inc.  
6960 Flanders Drive  
San Diego, CA 92121

Subject: Letter of Commitment to Provide Environmental Laboratory Testing Services for the Caltrans Contract 11A2343

Dear Mr. Day:

This Letter of Commitment is hereby issued to confirm that Advanced Technology Laboratories (hereafter referred to as ATL or ATL Global) has the intent to be a sub-consultant for Environmental Laboratory Testing to GEOCON on the above referenced project for Caltrans. Furthermore, ATL, through providing its services as a sub-consultant, will assist GEOCON in its objective to fulfill the special consideration participation goals put forth by this project, including, but not limited to the following: Small Business Enterprise, Minority Business Enterprise, Disadvantaged Business Enterprise, and Community Business Enterprise for the County of Los Angeles.

ATL Global is an ELAP/NELAP accredited full-service environmental laboratory that provides analytical testing for Air, Soil, Water, Sediment, and Sea Water. For Reference, ATL maintains the following certifications:

ELAP/NELAP for Soil and Water – State of California DOHS; State of Texas TCEQ

NELAP for Air – State of Oregon ORELAP; State of Texas TCEQ (Note: State of California does not offer certification for Air Analyses)

Small Business Enterprise Certifications – The Network (includes Port of LA, Port of San Diego County Water Authority); State of California Department of General Services

Minority Business Enterprise Certification – California Department of Transportation

Disadvantaged Business Enterprise Certification – California Unified Certification Program

Community Business Enterprise Certification – County of Los Angeles

For all contractual matters, please contact Edric Caballero, International Customer Relations Manager, via the information provided below. Edric Caballero is a duly authorized officer for ATL Global and, as such, is able to commit the firm to contractual obligations. For purposes of this and other Caltrans Contracts, let it also be known that ATL does not currently employ current or past employees of the State of California or Caltrans and therefore has no conflicts of interest in proposing for this contract.

ATL is dedicated to providing the highest quality, defensible analytical data to GEOCON and Caltrans and looks forward to exhibiting its commitment to excellence under this contract.

Kind Regards,



Edric Caballero  
Int'l Customer Relations Manager

Tel: +1-562-989-4045 Ext. 280  
Cell: +1-949-375-4859  
Fax: +1-562-989-4040  
Email: edric@atlglobal.com

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Advanced Technology Laboratories  
3275 Walnut Ave. Signal Hill, CA 90755  
Tel. (562) 989-4045 Fax (562) 989-6348

*Environmental Treatment + Technology, Inc.*

CONTRACTOR'S NAME (Please Print): *DBA Advanced Technology Laboratories (ETT, DBA ATL)*  
 3275 Walnut Ave., Signal Hill, Ca  
 CONTRACTOR'S SIGNATURE: *(Edric Caballero)*  
 DATE: *8-24-15*

**BID PROPOSAL (BID ITEM PRICE SCHEDULE)**

Proposers shall enter a bid price for each bid item provided. The Contractor shall bid on all items listed in the bid item price schedule. The Contractor shall not qualify or make any additions, deletions, or modifications in the required bid items. The bid items may be subject to a pre-award audit for verification of reasonableness of cost.

Contract prices for services shall be fixed for the term of the contract.

The bid item price schedule covers those services most typically required of the Contractor. It is recognized that the need for some services cannot be predicted; for these services no bid items have been established. Additional unlisted services will be considered Extra Work and will be paid either at actual cost plus a 10 percent markup, with the markup not to exceed \$25,000.00 per Work Request.

Prices and rates for all the listed bid items shall be included in Contractor's bid proposal. No statements such as "prices available on request" or "cost plus" are allowed.

Bidders shall complete all entries, making sure calculations are correct. All rates are "fully loaded"; i.e., include all overhead, overtime, general and administrative expenses, and profit. Fully loaded bid prices for personnel classifications and services shall also include all support services (e.g. training, mailing, photocopying, telephone), materials (e.g. paper, binders, report covers, postage, office supplies, ice, field supplies.), office equipment (e.g. personal computers, calculators, word processors) field equipment (tools, bailers, consumables, tape) and health and safety equipment necessary to perform as required in a manner consistent with the highest industry standards. Travel to and from any point in the geographic region and per diem are to be included in each bid item price. No separate reimbursement for travel and per diem shall be allowed. As used in this IFB, the term "day" refers to a 24 hour calendar day.

Bids will be accepted only from those Contractors who meet the minimum qualifications and who can provide a full range of services within the specified region (i.e. District 11) with their own staff or as supplemented with subcontractors. In order to bid for this contract, firms must have an office within District 11 and meet the minimum qualifications for employment or subcontracting of registered professionals for the office.

District 11 – San Diego and Imperial counties.

*E*

**LABORATORY ANALYSIS**

Payment for multiple expedited analysis (if applicable) will be at the discounted rate; i.e. number of analyses x bid price x quantity discount x expedited surcharge = cost.

**Turnaround Time:** The following surcharges shall apply for elapsed turnaround time. Add the following applicable percent (%) surcharge to the regular bid price for each laboratory test. Standard turnaround time is 5 business days.

- 48 hours 45. 50 %
- 24 hours (verbal reporting of results) 46. 100 %

**Quantity Discounts:** The percentage discounts shall apply to all chemical and physical tests bid in the laboratory testing section only. The calculated discount is based on the number of samples per analytical method estimated in the work order. The discount actually received is based on the number of analyses performed per analytical method. Discounts apply to samples sent to the laboratory on a single chain of custody form or set of forms with the same date, and to samples sent for analysis during a single sampling interval when the overall number of samples for that interval was established in advance.

- 11 to 25 samples 47. 0 %
- 26 to 50 samples 48. 0 %
- 51 to 100 samples 49. 0 %
- 101 or more samples 50. 0 %

**Scans:** Bid price is inclusive for all listed elements or compounds as a group and shall include any necessary preparation method cost. Unless indicated otherwise, all test methods are for total concentration analysis. Includes all necessary digestion, filtration, extraction to produce extractant and conduct analysis.

|  | <u>Unit Price</u>  | <u>Quantity</u> | <u>Total</u>                  |
|--|--------------------|-----------------|-------------------------------|
| Elements Scan: (ICAP) U.S. EPA method 6010-liquid and/or soil matrix. All elements listed in method: Sb, As, Ba, Be, Cd, Cr (total), Co, Cu, Pb, Mo, Ni, Se, Ag, Ti, V, Zn |                    |                 |                               |
| 51.  | \$ <u>55</u> /test | 100             | \$ <u>5500.</u> <sup>00</sup> |

**Waste Extraction Test (WET) (22 CCR 667000):** If total metal concentration (TTLC) is more than 10X STLC for the respective metal, the Contractor is to contact the Caltrans Contract Manager before proceeding with the WET test. Payment will be denied for unapproved chemical testing. If the test result indicates solubility greater than 125%, then the sample will automatically be re-run on an expedited turnaround time at no expense to Caltrans.

WET (Waste Extraction Test): Includes all digestion and filtration necessary to produce an extractable concentration for all elements and compounds other than hexavalent chromium (using citric acid buffer or de-ionized water) (EPA Method 3050)

|     |                       |     |                               |
|-----|-----------------------|-----|-------------------------------|
| 52. | \$ <u>28</u> /extract | 100 | \$ <u>2800.</u> <sup>00</sup> |
|-----|-----------------------|-----|-------------------------------|

Test methods for analyses of extractable concentration: Any single element, Ba, Cd, Total Cr,

\$300.00

ETT, DBA ATL  
ATTACHMENT 1

Contract Number 11A2343  
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Hexavalent Cr, Pb, Hg, Ni, Se, Ag, (CCR approved EPA Series 7000 methods)

12.00  
53. \$ ~~12.00~~ /test

100 \$ 1200.00

**Toxicity Characteristic Leaching Procedure (TCLP) (EPA 1311):** Includes all preparation, extraction, and filtration of solids or liquids necessary to produce an extract for arsenic, barium, Cd, Pb, Hg, or Ag; analysis of extract by EPA 7000 series.

|                            | Unit Price                   | Quantity | Total             |
|----------------------------|------------------------------|----------|-------------------|
| Inorganic element analysis | 54. \$ <u>28.00</u> /extract | 100      | \$ <u>2800.00</u> |
|                            | 55. \$ <u>7.00</u> /test     | 100      | \$ <u>700.00</u>  |

**Organic Compound Analyses:** Includes all necessary digestion, filtration, extraction to produce extract and conduct analysis.

|  |                            |     |                    |
|--|----------------------------|-----|--------------------|
| Standard Method EPA 1664   | 56. \$ <u>28.00</u> /test  | 100 | \$ <u>2800.00</u>  |
| Gasoline: Modified EPA 8015 to determine Total Petroleum Hydrocarbons as gasoline in water and soil as described in the LUM Field Manual (October, 1989)   | 57. \$ <u>24.00</u> /test  | 100 | \$ <u>2400.00</u>  |
| Gasoline Analysis , EPA 8260 to determine total Petroleum Hydrocarbons as gasoline in water and soil as described in LUM Field Manual (October 1989), Benzene, Toluene, Xylene, and Ethyl Benzene, Oxygenate Compounds (TBA, MTBE, DIPE, ETBE, and TAME) | 58. \$ <u>55.00</u> /test  | 100 | \$ <u>5500.00</u>  |
| Diesel Fuel: Modified EPA 8015 to determine Total Petroleum Hydrocarbons as diesel fuel in water and soil as per general procedure for total petroleum hydrocarbon determination as described in LUM Field Manual (October, 1989)                        | 59. \$ <u>32.00</u> /test  | 100 | \$ <u>3200.00</u>  |
| TPH Oil: Modified EPA 8015   | 60. \$ <u>32.00</u> /test  | 100 | \$ <u>3200.00</u>  |
| Organolead: per LUM Field Manual   | 61. \$ <u>105.00</u> /test | 100 | \$ <u>10500.00</u> |
| EPA 8000 Series - Solids, Liquids  | 62. \$ <u>      </u> /test | 100 | \$ <u>      </u>   |
| Aromatic and Halogenated Volatile Organics, <u>EPA 8260</u>  | 63. \$ <u>60.00</u> /test  | 100 | \$ <u>6000.00</u>  |
| Organochlorine Pesticides and PCBs, <u>EPA 8081</u>  | 64. \$ <u>55.00</u> /test  | 100 | \$ <u>5500.00</u>  |
| GC/MS for Volatile Organics, <u>EPA 8260B</u>  | 65. \$ <u>60.00</u> /test  | 100 | \$ <u>6000.00</u>  |
| GC/MS for Fuel Oxygenate Compounds TBA, MTBE, DIPE, ETBE, and TAME, <u>EPA 8260B</u>   | 66. \$ <u>60.00</u> /test  | 100 | \$ <u>6000.00</u>  |
| GC/MS for Semivolatile Organics, <u>EPA 8270C</u>  | 67. \$ <u>125.00</u> /test | 100 | \$ <u>12500.00</u> |

68300.00 

**Inorganic Element Analyses:** Includes all necessary digestion, filtration, extraction to produce extractant and conduct analysis.

|   | <u>Unit Price</u>                    | <u>Quantity</u> | <u>Total</u>                 |
|---|--------------------------------------|-----------------|------------------------------|
| ICAP any single element -- EPA 6010, Bid item includes appropriate extraction procedure | 68. \$ <u>12.<sup>00</sup></u> /test | 100             | \$ <u>1200.<sup>00</sup></u> |
| Atomic Absorption EPA 7000 series   | 69. \$ <u>12.<sup>00</sup></u> /test | 100             | \$ <u>1200.<sup>00</sup></u> |
| Hexavalent chromium by EPA 7199, includes digestion by EPA 3060                         | 70. \$ <u>60.<sup>00</sup></u> /test | 100             | \$ <u>6000.<sup>00</sup></u> |

**Miscellaneous Test Methods:** Includes all necessary digestion, filtration, extraction to produce extract and conduct analysis.

|  |                                       |     |                               |
|--|---------------------------------------|-----|-------------------------------|
| Asbestos, Polarized Light Microscopy (PLM)                   | 71. \$ <u>12.<sup>00</sup></u> /test  | 100 | \$ <u>1200.<sup>00</sup></u>  |
| Asbestos Phased Contrast Microscopy (PCM)                    | 72. \$ <u>—</u> /test                 | 100 | \$ <u>—</u>                   |
| Asbestos Transmission Electron Microscopy (TEM)              | 73. \$ <u>—</u> /test                 | 100 | \$ <u>—</u>                   |
| pH Electrometric Measurement EPA 9040                        | 74. \$ <u>15.<sup>00</sup></u> /test  | 100 | \$ <u>1500.<sup>00</sup></u>  |
| Soil Ph, EPA 9045  | 75. \$ <u>18.<sup>00</sup></u> /test  | 100 | \$ <u>1800.<sup>00</sup></u>  |
| Specific Conductance, EPA 9050                               | 76. \$ <u>18.<sup>00</sup></u> /test  | 100 | \$ <u>1800.<sup>00</sup></u>  |
| Total Dissolved Solids (TDS), SM2540C or SM 209B             | 77. \$ <u>18.<sup>00</sup></u> /test  | 100 | \$ <u>1800.<sup>00</sup></u>  |
| Temperature <del>(field measurement)</del>                   | 78. \$ <u>7.<sup>50</sup></u> /test   | 100 | \$ <u>750.<sup>00</sup></u>   |
| Conductivity <del>(field measurement)</del>                  | 79. \$ <u>18.<sup>00</sup></u> /test  | 100 | \$ <u>1800.<sup>00</sup></u>  |
| pH <del>(field measurement)</del>                            | 80. \$ <u>15.<sup>00</sup></u> /test  | 100 | \$ <u>1500.<sup>00</sup></u>  |
| Fish Bioassay (22CCR66696 (A)(4))                            | 81. \$ <u>325.<sup>00</sup></u> /test | 100 | \$ <u>32500.<sup>00</sup></u> |
| Monitor Well Destruction                                     | 82. \$ <u>—</u> /ft                   | 100 | \$ <u>—</u>                   |
| Air Monitoring – Real Time for Dust PDR-1000                 | 83. \$ <u>—</u> /hr                   | 100 | \$ <u>—</u>                   |
| Air Monitoring – Ambient (Personal Air Pumps with Cassettes) | 84. \$ <u>—</u> /hr                   | 100 | \$ <u>—</u>                   |
| Total Suspended Solids (TSS) SM 2540D                        | 85. \$ <u>18.<sup>00</sup></u> /test  | 100 | \$ <u>1800.<sup>00</sup></u>  |
| Total Organic Carbon (TOC) SM 5310B                          | 86. \$ <u>40.<sup>00</sup></u> /test  | 100 | \$ <u>4000.<sup>00</sup></u>  |
| Oil and Grease EPA 1664                                      | 87. \$ <u>32.<sup>00</sup></u> /test  | 100 | \$ <u>3200.<sup>00</sup></u>  |

62050.00 

ETT, DBA ATL

ATTACHMENT 1

Contract Number 11A2343

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GPS Data Collection (Includes Mobilization, Demobilization, Personnel, Materials and Equipment)

|   | 88. \$ <u>      </u> /hr<br>Unit Price | 100<br>Quantity | \$ <u>      </u><br>Total     |
|---|--|-----------------|-------------------------------|
| Total Coliform Bacteria (SM 9221A-D)  | 89. \$ <u>100.<sup>00</sup></u> /test  | 100             | \$ <u>10000.<sup>00</sup></u> |
| Biological Oxygen Demand (BOD) SM 5210B   | 90. \$ <u>58.<sup>00</sup></u> /test   | 100             | \$ <u>5800.<sup>00</sup></u>  |
| Methylene Blue Active Substances (MBAS) SM 5540C  | 91. \$ <u>65.<sup>00</sup></u> /test   | 100             | \$ <u>6500.<sup>00</sup></u>  |
| Chlorine by EPA 300.0   | 92. \$ <u>25.<sup>00</sup></u> /test   | 100             | \$ <u>2500.<sup>00</sup></u>  |
| Residual Chlorine by SM 4500CIG   | 93. \$ <u>35.<sup>00</sup></u> /test   | 100             | \$ <u>3500.<sup>00</sup></u>  |
| Mercury by EPA 245.1 and 245.5  | 94. \$ <u>18.<sup>00</sup></u> /test   | 100             | \$ <u>1800.<sup>00</sup></u>  |
| Fecal Coli form by SM 9221A-E   | 95. \$ <u>100.<sup>00</sup></u> /test  | 100             | \$ <u>10000.<sup>00</sup></u> |
| Fungus and Mold by Standard Method 915  | 96. \$ <u>75.<sup>00</sup></u> /test   | 100             | \$ <u>7500.<sup>00</sup></u>  |
| Poly Aromatic Hydrocarbons (PAHS) by EPA 8310   | 97. \$ <u>110.<sup>00</sup></u> /test  | 100             | \$ <u>10100.<sup>00</sup></u> |
| Personnel Mobilization Without Drill Mobilization (#13, #15, or #24) Includes Travel Time, Per Diem and Mileage | 98. \$ <u>      </u> /hour             | 100             | \$ <u>      </u>              |
|   |  |                 | <u>196,150.<sup>00</sup></u>  |
|   |  | Sub-Total       | \$ <del>      </del>          |

Unanticipated "Extra Work" as defined in Exhibit A.12 Add 10% of Sub-Total \$ \_\_\_\_\_

GRAND TOTAL \$ \_\_\_\_\_

(1) THE ABOVE QUANTITIES ARE ESTIMATES ONLY AND ARE GIVEN AS A BASIS FOR COMPARISON OF BIDS. NO GUARANTEE IS MADE OR IMPLIED AS TO THE EXACT QUANTITY.

(2) IN CASE OF DISCREPANCY BETWEEN THE UNIT PRICE AND THE TOTAL SET FORTH FOR A UNIT BASIS ITEM, THE UNIT PRICE SHALL PREVAIL.

57,500.<sup>00</sup> 