COMMUNITY DEVELOPMENT AGENCY

TRANSPORTATION DIVISION

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DATE: October 10, 2013

TO: All Prospective Bidders

SUBJECT: **Addendum No. 2**
Pleasant Valley Road (SR49) at Patterson Drive Intersection Signalization
Contract No. PW 09-30425, CIP No.73320

Submit proposals for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are essential parts of the Contract.

ITEM NO.	LOCATION, PAGE, OR DRAWING NO.	DESCRIPTION OF CHANGE
2. 1.	SP-57 through SP-62	Refer to Response to Bidders' Inquiries No. 2 Item 2.2: Replace section 14-11.11 "Petroleum Contaminated Material" of the special provisions with **Attachment A** attached to this Addendum.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Holders who have already mailed their proposal can contact Janel Gifford at (email: Janel.Gifford@edcgov.us) to arrange return of their proposal.

Inform all suppliers and subcontractors as necessary.

The DOT is only sending this addendum by posting on the following website: http://www.edcgov.us/Government/DOT/Bids.aspx.

If you are not a Contract Documents Holder, but request a set of documents to bid on this project, you must comply with the requirements of this addendum when submitting your bid.

Attachments:
Attachment A-Revised section14-11.11 "Petroleum Contaminated Material" 4 pages

End of Addendum No. 2

Janel Gifford — 10/10/13

Recommended by: Date
Janel Gifford, P.E.
Office Engineer

Kimberly A Kerr — 10/10/13

Approved by: Date
Kimberly A. Kerr
Interim Transportation Director
Acting Community Development Agency Director

Replace "Reserved" in Section 14-11.11 with:

14-11.11 PETROLEUM CONTAMINATED MATERIAL

14-11.11A General

14-11.11A(1) Summary

Section 14-11.11 includes specifications for stockpiling of petroleum impacted material (soil and groundwater) including preparing a Health and Safety Plan; providing safety training; preparing an Excavation, Transportation, and Dewatering Plan; handling and reuse of excavated material; and dewatering and disposal of groundwater.

Groundwater fluctuates between eight (8) to twelve (12) feet below ground surface (bgs).

The following Site Investigation Reports containing soil and groundwater concentration data for petroleum hydrocarbons and constituents were prepared and are included in the Informational Handout:

- "Bi-Annual 2012 Groundwater Monitoring Report-Former Cheaper! Store #182, 130 Pleasant Valley Road, Diamond Springs, El Dorado County (APN#329-280-12: Case# 90096)" by H2GeoL Consultants, dated March 15, 2012;
- "Revised Soil Vapor Workplan, Tower Mart #182, 130 Pleasant Valley Rd, Diamond Springs, CA 95619, El Dorado File #00077, RWQCB Case #090096", by West Associates Env. Engineers, Inc., dated May 2012; and
- "No Further Action Request (NFAR) and Case Closure Summary, Tower Mart #182, 130 Pleasant Valley Rd, Diamond Springs, CA 95619, El Dorado File #00077, RWQCB Case #090096", by West Associates Env. Engineers, Inc., dated Dec 2011;

Type DC material will be encountered during structure excavation work at the following locations:

- Traffic Signal Pole Foundation at "PV" 11+47.02, 29.48' RT from six feet bgs to the bottom of the foundation excavation as shown.

Applicable Rules and Regulations

Excavation and stockpiling of Type DC material and management of petroleum impacted material must be in conformance with the rules and regulations of the following agencies:

- Regional Water Quality Control Board
- El Dorado County Air Quality Management District (EDC AQMD)
- California Division of Occupational Safety and Health Administration (CAL-OSHA)
- El Dorado County Department of Health and Human Services
- Laws and regulations that govern work related to Type DC materials include:
- Water Code, Division 7 (Porter-Cologne Water Quality Control Act),
- Title 8, California Code of Regulations.

Permits and Licenses

Comply with section 5-1.20B to procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of work .

14-11.11A(2) Definitions

Petroleum impacted material: soil and groundwater having low concentrations of petroleum hydrocarbons, and constituents including benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE), di-isopropyl ether (DIPE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and 1,2-dichloroethane (1,2-DCA).

Type DC material: petroleum impacted material (soil and groundwater) that requires special disposal if it cannot be reused on the project site.

14-11.11A(3) Submittals

Health and Safety Plan

Prepare and submit a detailed Health and Safety Plan, signed by an Industrial Hygienist certified in comprehensive practice by the American Board of Industrial Hygiene, for site personnel that identifies potential health and safety hazards associated with work involving petroleum impacted material and specifies work practices that will be used to protect workers from those hazards in conformance with Title 8. At a minimum, the Health and Safety Plan must identify key site safety personnel, describe risks associated with the work, describe training requirements, describe appropriate personal protective equipment, describe site-specific medical surveillance requirements, describe air monitoring requirements, define appropriate site work zones and describe decontamination requirements. Submit the Health and Safety Plan at least 15 working days prior to beginning work for review and acceptance by the Engineer. Type DC excavation will not be allowed until the Engineer has accepted the plan.

Prior to performing work at the locations containing petroleum impacted material, personnel, including State personnel, must complete a safety training program, including subsequent training required until completion of work, provided by the Contractor that communicates potential health and safety hazards associated with work involving petroleum impacted material and instructs personnel in procedures for doing the work safely. The level of training provided must be consistent with the person's job function and must conform to OSHA and CAL-OSHA regulations. The Contractor must provide a certification of completion of the Safety Training Program to personnel. Personal protective equipment, training, and washing facilities required by the Contractor's Health & Safety Plan for personnel working within the exclusion zone will be supplied to State personnel by the Contractor. The number of State personnel requiring the safety training program and personal protective equipment will be 3.

Excavation, Transportation and Dewatering Plan

Prepare and submit a detailed Excavation, Transportation and Dewatering Plan. Include in the plan:

1. schedule for excavation of Type DC material
2. stockpile location(s)
3. stockpiling procedures
1. dust control measures
2. transportation equipment and routes
3. truck waiting and staging areas
4. spill prevention measures
5. site for disposal of petroleum impacted material
6. dewatering methods and procedures
7. dewatering equipment and containers

Submit the plan at least 3 weeks prior to beginning Type DC excavation. Allow 10 days for the Engineer to review and approve the plan. If revisions are required, as determined by the Engineer, revise and resubmit the plan within 5 days of receipt of the Engineer's comments and allow 5 days for the Engineer to review the revisions. Type DC excavation will not be allowed until the Engineer has approved the plan.

14-11.11B Materials

Materials necessary for dewatering must comply with Section 5 " Control of Work", Section 6, "Control of Materials," and Section 74, "Pumping Equipment and Controls" .

Provide holding tanks sufficient to meet the needs of all dewatering activities described in the dewatering plan. Holding tanks must be transportable and totally enclosed. Holding tanks must have an inlet and outlet capable of receiving and discharging minimum flows. Holding tanks must be able to accommodate temporary installation of submersible pumps of such capability to discharge water. The tanks must remain on the job site until dewatering operations are no longer necessary as determined by the Engineer.

Pumps must be capable of being submerged in water and be capable of discharging water and other materials; including, but not limited to, small rocks, gravel, sand and sediments.

Properly maintain all of the equipment and materials to operational levels necessary to comply with provisions outlined in these special provisions. If the Contractor or the Engineer identifies a deficiency in the functioning of any equipment or material, the deficiency must be immediately corrected by the Contractor.

14-11.11C Construction

14-11.11C(1) Earthwork

Earthwork must comply with Section 19, "Earthwork". Type DC material excavation consists of excavating petroleum impacted material (soil) within excavation limits specified in this section, and stockpiling the material.

Continuously monitor the excavation site and excavated Type DC material as it is excavated, using appropriate air monitoring devices consistent with the Health and Safety Plan required in this special provision. Prevent the flow of surface runoff from entering any excavated area.

14-11.11C(2) Stockpiling

Stockpile all excavated Type DC material from the locations identified in this section for analytical testing. Segregate Type DC material from non-impacted soil.

Transfer Type DC material directly from the excavation to a storage container approved for transport of contaminated material by the United States Department of Transportation or to an approved or designated stockpile. Maintain stockpile locations in accordance with the following requirements:

A. Stockpile type DC materials at designated locations.
B. Type DC material must be stored on undamaged 0.06-in high-density polyethylene or an equivalent impermeable barrier unless stockpiling is on a paved surface. If the stockpile location is on a paved surface, the thickness of the barrier can be reduced to 0.02-in high-density polyethylene or equivalent. The barrier must extend a minimum of 1.5-ft beyond the stockpile. Seams in the barrier must be sealed to prevent leakage.
C. At the end of each day, stockpiled Type DC material must be covered with undamaged 0.012-in polyethylene or an equivalent impermeable barrier to prevent windblown dispersion and precipitation run-off and run-on. When more than one sheet is required to cover the material, sheets must be securely overlapped a minimum of 1.5-ft so it is kept it in place at all times. Driven anchors must not be used except at the perimeter of the stockpile. Covers must be inspected and maintained in accordance with the requirements in "Water Pollution Control".
D. Stockpiling requirements apply to temporary storage of Type DC material outside of excavations or transport containers including staging excavated material next to excavations prior to pick up by loading equipment, accumulating material for full transport loads and waiting for test results. You are responsible for cleanup after removal and disposal of stockpiled materials.

Type DC material on exteriors of transport vehicles must be removed and placed into the current transport vehicle, a stockpile or a storage container prior to vehicles leaving the area of excavation or stockpiling. No Type DC material will be deposited on public roads.

The Engineer will test Type DC material to verify that disposal at a permitted landfill is not required. Once testing results are available confirming that the Type DC material does not require special disposal, the Type DC material will be available for reuse on the project or relinquishment to the Contractor. The Engineer will provide the Contractor with the laboratory analytical data within 30 days. This 30-day period will begin once the Engineer has received written notice from the Contractor that a particular stockpile is ready for sampling and testing.

For bidding purposes, assume that Type DC material will be available for reuse on the project or relinquished to you. Reuse or dispose of stockpiled material within 60 days of analysis. If analytical results indicate that Type DC material does require special disposal, remove and dispose of the material within 10 days.

Analytical testing and disposal of additional Type DC material resulting from excavations performed outside of the locations designated for your convenience, will be at your expense.

14-11.11C(3) Dewatering

You are responsible for dewatering activities. If groundwater or perched groundwater is encountered during excavation of Type DC material, immediately notify the Engineer. Pump groundwater or perched groundwater, encountered during structure excavation activities, into a holding tank.

Conduct a daily inspection of the dewatering equipment, when in use, to ensure that all components are functional and routinely maintained to prevent leakage. Should any component of the dewatering equipment be damaged or affect the performance of the equipment, immediately discontinue the dewatering operation and repair the component or replace it with substitute equipment.

Comply with the provisions in the Water Quality Control Board Statewide General Construction Permit. You are responsible for penalties assessed or levied on you or the Department as a result of your failure to comply with the provisions in this section and as specified in Section 13 "Water Pollution Control" and Section 19-3 "Structure Excavation and Backfill".

To determine if special disposal as a contaminated liquid is required the Engineer will test the groundwater within 5 days of receipt of your written notice that your dewatering activities have been completed and the groundwater has been placed into a holding tank. Dispose of the groundwater within 30 days of receipt of the test results.

For bidding purposes, assume that the groundwater encountered during structure excavation activities and dewatered into a holding tank will not require special disposal.

14-11.11D Payment

Additional Structure Excavation (Type DC) required beyond the limits and location described in this section is change order work.

Off-hauling Type DC material that requires special disposal is change order work.

Off-hauling groundwater from Type DC material that requires disposal as a contaminated liquid is change order work.