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Date: June 17, 2015                      Project No: PW15-068  
To: Mr. Girair Kotchian, PE              From: Mr. S. Niranjanan, PE, GE  
HDR Engineering, Inc.                      Mr. Charles Chen  
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Subject: Revised Proposal for Phase II Environmental Services  
Sepulveda Boulevard Bridge Widening  
Manhattan Beach, California

Diaz•Yourman & Associates (DYA) is pleased to present this revised proposal to provide Phase II environmental services for the subject project. This proposal is based on our conditionally approved Initial Site Assessment (ISA) report dated April 10, 2014 (Report), and our recent discussion with HDR Engineering, Inc. (HDR), and Caltrans. Based on our recent meeting with Caltrans on April 9, 2015, additional environmental investigations are required for the parcels that will be dedicated to Caltrans by the City of Manhattan Beach (City). Caltrans will require both environmental Phase I (ISA) and Phase II investigations prior to dedication of parcels to Caltrans by the City. We understand that the following five parcels will be dedicated:

1. Assessor's Parcel Number (APN) 4138-020-030 - Owned by RREEF
2. APN 4138-020-014 - Owned by 3500 Sepulveda LLC
3. APN 4138-020-034 - Owned by RREEF
4. APN 4138-020-002 - Owned by Chevron
5. APN 4138-020-033 - Owned by RREEF

Based on our discussion with Caltrans, we understand that if the acquisition is fee or limits of approved highway easement encompass the groundwater, then sampling and analyses of groundwater is required. We are assuming that the summary of the groundwater testing results and the groundwater gradient can be evaluated based on the existing groundwater monitoring well and the nearby wells installed as part of the Honeywell investigation. Therefore, groundwater monitoring wells will not be installed as part of this proposal. During our April 9, 2015, meeting, Caltrans indicated that they will accept one ISA report per owner and will not require an ISA for each parcel. On May 4, 2015, Mr. Steve Chan of Caltrans concluded that Caltrans will not object to reviewing and approving one Phase II report that combines both the highway corridor portion with the above-noted five parcels. However, he wanted to confirm this conclusion with the City and the property owners. This proposal assumes that one environmental Phase II report will be prepared combining the highway corridor property and the above-noted five parcels.

The purpose of the proposed Phase II environmental services will be to sample and test for the chemicals of potential concern (COPC) identified in the Report, which consist of pesticides, herbicides, heavy metals, cyanide, polychlorinated biphenyls (PCBs), aerially deposited lead (ADL), total petroleum hydrocarbons (TPH), and volatile and semi-volatile organic compounds (VOC/SVOC). Surfacing materials for the existing bridge (bridge coatings and bearings) will be tested for lead-based paint (LBP) and asbestos-containing materials (ACM). Based on the discussion with HDR, testing for LBP and chromium in pavement striping is excluded from our scope of services.

Our scope of services, proposed schedule, and estimated fee are summarized in Table 1, followed by a list of assumptions. Note that the scope of services outlined herein is limited to evaluating the presence of the COPC identified in the Report in the soils that will be disturbed during construction of the subject project.

We propose to provide our services on a time-and-expense basis in accordance with our current agreement. Future services will be provided on a time-and-expense basis in accordance with our currently approved Schedule of Charges.

**Table 1 - PROJECT SUMMARY**

TASK		SCOPE	SCHEDULE (weeks)	DYA FEE (HOURS)	OUTSIDE FEE	TOTAL FEE
3E	LBP and ACM Testing	Sample and test existing bridge coatings for LBP. Obtain up to 10 samples from the existing bridge to check for potential ACM.	-- <sup>1</sup>	\$485 (2)	\$5,000	\$5,485
4A	Laboratory Testing	Perform laboratory testing on discrete soil samples for the COPC identified in DYAs Report. ADL testing will consist of 48 total threshold limit concentration (TTLC), 16 soluble threshold limit concentration (STLC), 16 toxicity characterization leaching procedure (TCLP), and 14 pH tests. In addition, 25 VOC, 10 SVOC, 25 TPH, 11 Title 22 metals, 7 PCB, 6 pesticide, 6 herbicide, and 7 cyanide tests will be performed on selected soil samples.	-- <sup>2</sup>	\$2,016 (12)	\$13,611	\$15,627
5A	Analysis and Reporting	Provide one environmental Phase II report documenting the results of environmental testing performed. Submit the report to Caltrans for their review and approval. The report will also include a summary discussion of groundwater flow/gradient based on environmental test results provided to DYAs and or published in Geotracker near by the project site.	-- <sup>3</sup>	\$22,574 (178)	--	\$22,574
5B	Response to review comments	Respond to review comments from Caltrans, as required.	--	\$4,381 (31)	--	\$4,381
5C	Meeting	If required, attend one meeting with the project team including Caltrans for comment resolution.	--	\$3,291 (16)	--	\$3,291
6	Supplemental Investigation	Supplemental work is required if the sampling is done for the highway corridor portion of the work prior to the approval of the work plan for parcels. This work includes limited field sampling, limited environmental testing, and revising Task 5A report as appropriate.	As-needed	\$3,444 (26)	\$5,980	\$9,424
<b>TOTAL</b>				<b>\$36,191 (265)</b>	<b>\$24,591</b>	<b>\$60,782</b>
<p>Note:</p> <ol style="list-style-type: none"> <li>Task 3E will be completed 4 weeks after site access/encroachment permit are granted, whichever is later.</li> <li>Task 4A will be completed 3 to 4 weeks after completing all the environmental sampling (field exploration) proposed in previous proposal.</li> <li>Task 5A will be completed 8 weeks after completing the environmental laboratory testing.</li> </ol>						



The fee and schedule presented in Table 1 are based on the following assumptions:

- This scope of services is authorized within 90 days.
- This scope of services will be limited to highway corridor and five parcels noted above.
- All underground utilities are shown correctly on one set of plans provided by HDR. Note that sewer and storm drains are not included in the USA inventory.
- Environmental laboratory testing and ACM services will be provided by outside independent subconsultants/subcontractors.
- The site is accessible to field personnel and equipment during non-overtime hours.
- Testing will be limited to the COPCs identified in DYA's Report.
- Task 3E services will be performed by an outside independent subconsultant.
- The soil borings will be backfilled with investigation-derived waste (IDW) if field evidence of contamination (based on PID reading) is not observed. Otherwise, borings will be backfilled with bentonite chips.
- This supplemental work assumes sampling in the field no more than 8 hours (one day field work), performing 5 TTLC, 2 STLC, 2 TCLP, 2 pH tests, 5 VOC, 5 TPH, and 5 Title 22 metals and revising the Phase II report accordingly.
- A draft report will be provided in electronic pdf format (to reduce paper usage).
- Two originals and an electronic copy of the final report will be provided.
- The final report will be submitted to Caltrans for review.
- If required, final report review fees will be paid for by others.
- Task 5A services do not include responding to comments from agencies other than Caltrans District 7 office.

To provide written authorization to proceed, please issue a task order to our current agreement. We appreciate the opportunity to propose our services to you and look forward to continuing to work with you on this project. If you have any questions, please call.