

**DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge Program**

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October 20, 2006

Contract No. 04-0120F4  
04-SF-80-13.2 / 13.9  
Self-Anchored Suspension Bridge  
Letter No. 05.03.01-000049

Mr. Michael Flowers  
Project Executive  
American Bridge/Fluor Enterprises, a JV  
375 Burma Road  
Oakland, CA 94608

Dear Mr. Michael Flowers,

**ZPMC Department Audit**

The Department is in receipt of ABF-CAL-LTR-000053 regarding the Department's pre-bid audit of ZPMC's Changxing Island facility on February 15- 16, 2006. As previously acknowledged, the referenced pre-bid audit can be used as a basis for completing the Department Audit required in Section 8-4, "Audits," of the Special Provisions, provided remaining outstanding issues are addressed and/or corrected.

Contract Change Order 11 will revise Section 8-4.01 to allow the submittal of working drawings prior to completion of the Department Audit. Further, it is not anticipated mock-ups will be delayed provided the required documentation, i.e., WQCP, PQR's, welder qualifications, etc., are submitted timely to the Department.

Referencing the seven specific items of concern from the original MFSQA, the Department offers the following comments:

- It is anticipated items #1, #2, #3 and #5 will be addressed upon submittal and approval of the WQCP specified in Section 8-3, "WELDING," of the Special Provisions.
- Regarding items #6 and #7, the Department understands ABF/ZPMC will be purchasing equipment necessary to fabricate components of the bridge. The Department was most concerned with the equipment required for the forming and welding of the U-ribs. It will be acceptable for ABF to demonstrate ZPMC's qualification and capabilities prior to the start of the mock-ups. After ZPMC purchases other necessary equipment, the Department will evaluate its adequacy during subsequent visits. In addition to the U-rib forming and welding equipment, the Department did not observe adequate equipment for machining the tower splices and base plate, bridge fabrication jigs and fixtures, material handling equipment, and the necessary shop space for trial assembly of both OBG and Tower. These issues could be resolved as the facility becomes ready to perform these items of work.

- In item #4, the Department's pre-bid audit identified that ZPMC does not have previous experience with the material codes and bridge fabrication specifications referenced in the special provisions. As such, it will need to be demonstrated that adequate personnel are in place and have an integral role so as to satisfy an affirmative response to question A.4 of the MFSQA. It is anticipated this concern should be satisfied after ZPMC receives approval of its fabrication procedures and successfully completes the mock-ups.

Based on the items noted above, additional improvements will be required prior to completing an approved Department Audit of the ZPMC facility. To facilitate completion of the Audit, upon request, the Department is willing perform subsequent reviews as necessary during the development of the manufacturing facility.

Sincerely,

**<<< ORIGINAL SIGNED >>>**

GARY PURSELL  
Resident Engineer

cc: Rick Morrow  
Stan Ku

file: 05.03.01