

DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge Program

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November 7, 2008

Contract No. 04-0120F4
04-SF-80-13.2 / 13.9
Self-Anchored Suspension Bridge
Letter No. 05.03.01-002945

Michael Flowers
Project Executive
American Bridge/Fluor, A JV
375 Burma Road
Oakland, CA 94607

Dear Michael Flowers,

CCO 67 - Second Tower Anchorage Template

The Department acknowledges receipt of ABF-CAL-LTR-000677, dated September 22, 2008. In it, ABF provides costs, clarifications and qualifications in response to State Letters 05.03.01-001245 and 05.03.01-002338.

The following comments should offer sufficient clarification to revise the costs submitted in ABF-CAL-LTR-000677. The Department's response is shown directly below the Contractor's statement, which is shown in italics:

1. *The STAT will not be an exact copy of the State Furnished Template as requested in Note 1 of Contract Sheet 600S1 of 1204. The Second Tower Anchorage Template will be fabricated into 14 pieces instead of the State Furnished Template which is an 8 pieces.*

This is correct. The second template will be a copy of the dowel and anchor rod locations. Otherwise it will be as shown on Sheets 600S01 through 600S03. Note 1 is modified on the attached revised Sheets 600S01 through 600S03. In State Letter 05.03.01-002338, dated July 7, 2008, ABF was directed to fabricate a second copy of the template with the same spacing and arrangement of dowel and anchor bolt holes, and to demonstrate that the two templates match.

2. *The holes in the STAT shall be located to match the holes in the State Furnished Template and the State Furnished Field Templates to within +/- 3 mm.*

This is acceptable. Note 5 on Sheet 600S01 has been revised to reflect this tolerance.

3. *The tower Working Points (WP) at elevation 3.125m will not be marked on the base plate template for all tower shafts as requested in Note 7 of Contract Sheet 600S1 of 1204.*

The detailing of the stiffeners has been adjusted on the attached sheets to allow the placement of the working points.

4. *Survey Points and other instructions of how to utilize the existing State Furnished Template shall be provided by the Engineer.*

Centerlines are referenced on the existing State Furnished Template.

5. *Cost to prepare and submit Fabrication Procedures, Dimensional Control & Verification plan, Distortion Control Plan is not included in this proposal.*

No Fabrication Procedures, Dimensional Control and Verification Plan or Distortion Control Plan are required for the Second Template

6. *Cost for and performing of NDT is excluded in this proposal.*

No NDT is required.

7. *The Engineer shall advise if there is a need to transfer more reference points from the State Furnished Template onto the STAT than the referenced centerlines of tower and bridge, which will be located within +/- 1mm. The cost of this extra survey is not included in this proposal.*

Additional reference points (RP) shall be provided on the 14 pieces of the Second Template such that there are at least 3 RP on each piece.

8. *Flatness tolerance of the STAT will be +/- 5mm for the overall X and Y dimensions.*

This is acceptable.

9. *Any additional and more stringent dimensional and acceptance requirements requested by the Engineer that are not specified here, will be treated as extra cost and time impacts, and shall be subjected to the Contractor's approval.*

There are none.

10. *Cost of painting the STAT is not included in this proposal.*

The Second Template will not require painting.

11. *Cost and time to prepare, submit, and receive Department review and Approval of Shop Drawings is not included in this proposal. If producing and submitting Shop Drawings is required, extra time will be required to add to the delivery time specified below.*

Shop drawings will not be required for submittal or approval by the Department.

12. *All fabricated materials furnished for this proposal shall be inspected and accepted by the Engineer at ZPMC's fabrication site prior to shipment.*

The demonstration that the two templates match to the tolerance agreed in item 2 above and the verification of the flatness tolerance agreed to in item 8, as well as verification of the survey and working points, are the items upon which acceptance of the second template will be based. This acceptance will occur at ZPMC's facility prior to shipping of the template.

13. *Delivery: 6 months after Department Approved Shop Drawings, prepared by others, are provided to ZPMC.*

Delivery must occur on one of the temporary works shipments.

14. *Payment Schedule for this CCO shall be: 50% Down Payment, 30% upon Acceptance at ZPMC Shop, 20% upon Delivery.*

This is acceptable for the Extra Work portion of the CCO. The Adjustment of Compensation portion will be paid upon completion of the demonstration on the T1 footing. The shipping and installation shall be excluded from this lump sum schedule of values. The shipping (from ZPMC to the Bay Area) and installation of the State Furnished Template is required by Special Provisions Section 10-1.59, which states, "*Prior to erecting the tower base, the Contractor shall field verify the as-built location of the tower anchorage anchor bolts and dowels, by physically lowering the steel template onto the pile cap, as witnessed by the Engineer.*" This CCO may, as stated in the ATP letter, allow the second template to be used in lieu of the state furnished template.

15. *The CCO shall state that the Second Tower Anchorage Template is not provided in lieu of or to replace the State Furnished Template for the purpose of fabrication and acceptance of the T1 Permanent Tower.*

The Second Tower Anchorage Template is, as stated in 05.03.01-002338, to have the same spacing and arrangement of dowel and anchor rod holes as the State Furnished Template. The Department does not intend to require that it be used for the fabrication of the tower base plate.

ABF-CAL-LTR-000677 indicates the lump sum cost of \$545,644 for the additional scope of work called for in State Letters as qualified by the above items and by the following items. The Department's response is shown directly below the Contractor's statement, which is shown in italics:

1. *Additional Supply quote provided by ZPMC Ltd dated 9/11/08.*

This is acceptable, provided the responses to the items above are included.

2. *Additional Shipping invoice provided by The Pasha Group dated 5/5/08.*

This was included in the ATP provided in State Letter 05.03.01-001245, and will be included in the Extra Work at Lump Sum portion of CCO 67.

3. *Additional cost for extra work claimed by ABF.*

No further extra work beyond that required in the description of change order as clarified above is anticipated; however, the Engineer may order extra work as provided in Standard Specification Section 4-1.03.

6. *Finance charges apply for any amounts withheld.*

The Contract does not provide for finance charges.

7. *CCO shall have a deferral of time pending timely direction, prosecution of the work and review of project impact.*

It is anticipated that this work will never impact the critical path.

Attached please find a draft of CCO 67, including three plan sheets (600S1R1, 600S2R1 and 600S3R1) to fabricate a second tower anchorage steel template. Electronic (.pdf) copies of these plan sheets will be transmitted via the PMIV Plan Sheet Library.

In accordance with the provisions of Standard Specification Section 4-1.03, "Changes," you are hereby authorized to proceed with the changes presented in the attached plan sheets. Upon review, substantiation and agreement on the scope and cost, the final CCO will be issued.

If you have any questions regarding this matter, please contact Steve Bonnett at (530) 222-4590 or Mark Woods at (510) 622-5107.

Sincerely,



GARY PURSELL
Resident Engineer

Attachment

cc: Rick Morrow
Darryl Schram
Scott Fabel
Mark Woods
file: 05.03.01, 49.067