

DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge Program

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May 15, 2007

Contract No. 04-0120F4
04-SF-80-13.2 / 13.9
Self-Anchored Suspension Bridge
Letter No. 05.03.01-000248

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

Dear Michael Flowers,

Submittal 86 - T1 Tower Section Mock-Up Drawings @ 114M

Submittal ABF-SUB-000086R00, "T1 Tower Section Mock-Up Drawings @ 114M," dated April 10, 2007 has been reviewed. The submittal is being returned for revision as noted on the attached sheets and as outlined in the following comments:

1. The assembly orientation shall be shown with reference coordinates to centerline of bridge and centerline of tower.
2. The shop drawings show NDT information that is a duplicate of information already shown on the weld detail sheets. In some cases the two are in conflict. For clarity, it is suggested the NDT information on the shop drawings be deleted.
3. For bolt spacing at cover plates, make revisions per RFI 618 R0/R1.
4. For longitudinal stiffener E7, make revisions to the stiffener width and delete the countersunk bolts per RFI 544.
5. For bolt spacing on skin plate E, make revisions to show that bolt spacing varies vertically and that bolt edge distance remains constant.
6. The longitudinal stiffener connection to skin plates/splice plates A and E shall be CJP for the full length.
7. Please note that for all PJP groove welds, the weld size (E) shall equal the depth of penetration (S) minus 3 mm. However, per AWS D1.5-2002, Section 2.3.1.3, S may equal E for the noted processes provided the groove is welded in the 1G and 2G positions only.

8. For all T-joints and inside of corner joints where S is shown equal to E and it is ABF's intention to include the reinforcing fillet to meet the specified weld size, the fillet weld should be shown on the detail.
9. Weld details MWT64, MWT66, and MWT 68 show "BTC-P5-GF" as the joint designation. The Department understands that the Contractor intended to use the standard joint designation "TC-P5-GF" in accordance with Section 2.5 of AWS D1.5-2002.
10. Weld details MWT61, MWT62, and MWT63 should be updated to reflect the response to RFI 645.
11. Please note in accordance with AWS D1.5-2002, weld detail MWT63 is approved for the 2G position only.
12. Through discussions it is understood that ZPMC intends to transition the joint in weld details MWT65, MWT68, MWT69, and MWT76 in accordance with AWS D1.5-2002, Figure 2.7 by removing the corner after the weld is complete.

Sincerely,

<<< ORIGINAL SIGNED >>>

GARY PURSELL
Resident Engineer

Attachment

cc: Rick Morrow
Gary Lai
Brian Boal
Mark Woods

file: 05.03.01, 55.0086