

08-Oct-2008

ABF-CAL-LTR-000708

Mr. Gary Pursell
Resident Engineer
California Department of Transportation
333 Burma Road,
Oakland, CA 94607, USA

**PROJECT: San Francisco Oakland Bay SAS Bridge Superstructure
Caltrans Contract No. 04-0120F4
ABF Job No. 660110**

**SUBJECT: Request for Change Order (RFCO) No. 41
Painting Quality Work Plan (PQWP) – Hinge K Bearings
Department Response on Submittal 830**

Gentlemen:

American Bridge / Fluor Enterprises, Inc. A Joint Venture (ABFJV) is in receipt of the Department's comments to Submittal 830, dated October 02, 2008. Two (2) Category A comments direct ABFJV to perform Extra Work in Bid Item 46 – Furnish Spherical Bushing Ring Bearing (Hinge K).

1. The Engineer's Category A item 4 comment in Submittal 830 directs ABFJV as follows: "Pursuant to Section 10-1.70, "Clean and Paint Structural Steel (Modular Joint Seal Assembly, Spherical Bushing Bearing and Shear Key), subsection "Painting," of the Contract Special Provisions, revise the procedure to incorporate the application process of the final coat of inorganic zinc coating."

ABFJV responds as follows:

- Special Provision Section 10-1.70, "Clean and Paint Structural Steel (Modular Joint Seal Assembly, Spherical Bushing Bearing and Shear Key)" states that "*Exposed new metal surfaces, except where galvanized, shall be cleaned and painted in conformance with the provisions in Section 59-2, "Painting Structural Steel," and Section 91, "Paint," of the Standard Specifications and these special provisions.*" Standard Specifications Section 59-2, Painting Structural Steel, sub-section 59-2.12, states that "Painting" – "*Painting of new structural steel shall be done at the following stages of construction unless otherwise specified in these specification or in the special provisions or approved in writing by the Engineer...Structures, other than sign structures, shall be blast cleaned and painted with the total thickness of undercoats before erection. Finish coats and final coats shall be applied after erection.*"
- Special Provision Section 10-1.48, "Furnish Spherical Bushing Ring Bearing (Hinge K)" states that "*This work shall consist of fabricating and assembling the spherical bushing ring bearing for Hinge K in conformance with the details shown on the plans and the requirements of these special provisions. The installation of spherical bushing ring bearings at Hinge K will not be required. The spherical bushing ring bearings of Hinge K shall be stored for future installation as specified in these special provisions.*"

The Contract clearly provides ABFJV's Scope of Work for Bid Item 46 – Furnish Spherical Bushing Ring Bearing (Hinge K) and the Scope does not include erection (installation) of the Bearings. Standard Specifications Section 59-2, Painting Structural Steel, sub-section 59-2.12, "Painting", clearly states that only the undercoat is required to be provided before erection, and final coats are to be applied AFTER installation. Because ABFJV is not responsible for the erection (installation) of the bearings, the application of final coat is not ABFJV's responsibility pursuant to the Contract Documents.

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2. The Engineer's Category A item 5b) comment in Submittal 830 directs ABFJV to "Provide the total dry film thickness after all applications. This must not be less than 115 μ m nor more than 225 μ m"

ABFJV responds as follows:

- Special Provision Section 10-1.70, "Clean and Paint Structural Steel (Modular Joint Seal Assembly, Spherical Bushing Bearing and Shear Key)" sub-section "Painting" states that "*The total dry film thickness of all applications of the inorganic zinc undercoat, including the surfaces of outside existing members within the grip under the bolt heads, nut, and washers, shall be not less than 90 μ m nor more than 150 μ m,*" and it further states "*The final coat of inorganic zinc coating shall be applied to the required dry film thickness in one uniform application within 24 hours after light roughening. The dry film thickness of the final coat shall not be less than 25 μ m nor more than 75 μ m. Except at bolted connections, the total dry film thickness of all application of the single undercoat and final coat of inorganic zinc coating shall not be less than 115 μ m nor more than 225 μ m.*"
- For the reason set forth in bullet 2 of item 1 above, ABFJV is NOT responsible for the dry film thickness of undercoating and final coating between 115 μ m and 225 μ m. ABFJV IS only responsible for an undercoating thickness of between 90 μ m and 150 μ m

In light of the foregoing and Department Letter No. 05.03.01-002717 dated September 22, 2008 ABFJV considers the Department's Submittal 830 comments as the Department's written authority to proceed. Pursuant to the Contract Documents, including Standard Specifications, Article 4-1.03, Changes, Article 5-1.04, Coordination and Interpretation of Plans, Standard Specifications, and Special Provisions, Special Provisions Section 10-1.48, Furnish Spherical Bushing Ring Bearing (Hinge K), and Section 10-1.70, Clean and Paint Structural Steel (Modular Joint Seal Assembly, Spherical Bushing Bearing and Shear Key), ABFJV hereby notifies the Engineer that the above Changes require that a Change Order be issued adjusting Contract Compensation and potentially, an adjustment of time of completion.

In order to mitigate ABFJV's additional administrative cost of performance, implementing the Changes described herein, the Department is requested to advise ABFJV immediately if chooses not to add the additional work to ABFJV's Scope of Work. We look forward to receiving your prompt response.

If you have any questions, please contact our office.

Sincerely,

~~AMERICAN BRIDGE/FLUOR ENTERPRISES, INC. A JOINT VENTURE~~



Michael Flowers
Project Director

File: 01.06.0041
02.01
Submittal 830