

May 26, 2016



GOLDEN GATE BRIDGE
PHYSICAL SUICIDE DETERRENT SYSTEM
FEDERAL-AID PROJECT: BHLS-6003(051)
and
WIND RETROFIT
FEDERAL-AID PROJECT: BHLS-6003(052)

Contract No. 2016-B-1

To: Prospective Bidders

RE: **Response to Bidders' Question No. 161 through 167**

Ladies and Gentlemen:

The following are the responses to questions submitted by prospective bidders and designated as Bid Question No. 161 through 167:

BID QUESTION No. 161:

Welds required to meet cyclical loading

Drwg/Det. Reference: Z005

Notes page: Materials: The last sentence of 2.a. states, "All members are considered as cyclically loaded tension members."

1. Please, confirm this does not conflict with the statement that HSS tubular members shall conform to AWS D1.1.

RESPONSE:

See Addenda 5 and 8 for revised Contract Drawings. Materials Note 2a on revised Contract Drawing Z005 states that only HSS tubular members are considered cyclically loaded tension members. The requirement that HSS tubular members are considered cyclically loaded tension members does not conflict with the requirement that the welding of HSS tubular members must conform to AWS D1.1. AWS D1.1 provides requirements for the welding of cyclically loaded tension members.

BID QUESTION No. 162:

Welds required to meet cyclical loading

Drwg/Det. Reference: Z005

Notes page: Materials: The last sentence of 2.a. states, "All members are considered as cyclically loaded tension members."

2. Will this requirement restrict some of the flexibility of AWS D1.5?

RESPONSE:

See response to Bidder's Question No. 161 and Addenda 5 and 8 for revised Contract Drawings. Materials Note 2a on revised Contract Drawing Z005 states that only HSS tubular members are to be considered cyclically loaded tension members. The welding of HSS tubular members must conform to AWS D1.1, not AWS D1.5.

BID QUESTION No. 163:

Are shims to be considered cyclically loaded tension members?

RESPONSE:

No, shims are not to be considered cyclically loaded tension members. See response to Bidder's Question No. 161 and Addenda 5 and 8 for revised Contract Drawings. Materials Note 2a on revised Contract Drawing Z005 states that only HSS tubular members are to be considered cyclically loaded tension members.

BID QUESTION No. 164:

Can the District make available the as-built drawings that would show the existing catenary position of the main cable as well as the Suspender Rope Locations. These drawings are needed to assess hoisting operations over the sides of the Bridge for purposes of performing the proposed Work.

RESPONSE:

The District will make available the Suspender Replacement Phase 3 (Contract 40) record drawings to prospective bidders who have been approved to access Security Sensitive Information and who have made an appointment to review the Supplemental Project Information at the District's offices. Appointment requests to review the Supplemental Project Information may be made by email at bidquestions@goldengate.org. Appointments must be scheduled 7 days in advance of the proposed viewing.

The Suspender Replacement Phase 3 (Contract 40) record drawings show the suspender rope locations, lengths and details. The existing catenary position of the main cable can be determined using the information on these drawings. As stated in Section 2-1.06, the record drawings may not accurately represent the actual dimensions of the existing structure and it is necessary for the Contractor to field measure the Bridge structures and verify the existing conditions for the accuracy.

A revision to the listing in the Golden Gate Bridge Record Drawing Index table in Special Provisions Section 2-1.06, "Supplement Project Information," to include the drawings for the Suspender Replacement Phase 3 (Contract 40) will be issued in an upcoming Addendum.

BID QUESTION No. 165:

Order of Work; 8-1.08B

Specification Sheet 8-30, under listed section, paragraph 1 (iii) states "Your site employees and your subcontractors' site employees must attend and complete a worker Habitat Protection education session provided by the District's Environmental Compliance Monitor. Thereafter and throughout the duration of the Contract site work, all your new site personnel must complete such worker education session prior to entering the site."

Please, confirm this is a readily available training session. Please, confirm the expected duration of this training (e.g. can be performed during new hire orientation). Contractor assumes this requirement to apply only to personnel directly performing work on this site. Other personnel to visit the site may be accompanied by personnel whom have completed the education session, and will not be required to fulfill such requirement.

RESPONSE:

In accordance with Section 14-6.08A, Site Orientation, the Habitat Protection training sessions are about 30 minutes long and will be conducted by the District's Environmental Compliance Monitor (ECM) at the project site locations and times agreed upon in writing between the District and the Contractor.

These sessions may be scheduled to coincide with the Contractor's new hire orientation sessions. For past District construction projects, the ECM provided these sessions on a weekly basis at the start of the project when new contractor personnel were being brought onto the project and then less frequently as the project progressed.

The contractor's on-site workers and off-site workers, who may periodically need access to the site, are required to obtain a District-issued photo identification badge ("ID Badge") in accordance with Section 7-1.12, Site Security. These workers must attend and complete the Habitat Protection training session. Suppliers and delivery persons who do not require a ID Badge but who must be escorted at all times on the job site by Contractor's personnel with a ID Badge do not need to attend the Habitat Protection training session.

BID QUESTION No. 166:

Missing Record Drawings; 2-1.06B

GOLDEN GATE BRIDGE RECORD DRAWING INDEX

We have reviewed all the available Record Drawings listed. We cannot find any record drawings for the existing bottom traveler trolley beams, they are not in the Contract 18 or 23. Please provide the Contract Number and make available the record drawings for the existing bottom traveler trolley beams.

RESPONSE:

The record drawings for the existing bottom traveler trolley beams are included in the Contract 23. The District has reviewed the Contract 23 (Traveling Scaffolds) record drawings and has found that not all of the record drawings were made available for review by Bidders. The missing record drawings are now available for review by Bidders in accordance with Section 2-1.06, Supplemental Project Information.

BID QUESTION No. 167:

Addendum 5; contract sheet 5 Rev A of 224 - Note 10 states "Epoxy bonding adhesive between new and existing steel shall be Sikadur 32., Hi-Mod or equal, and conform to ASTM C-881 Type 1, Grade 2, Class C."

Where is this required to be applied? Is it required on all connections between new and existing Steel? , or required only when we find pitted steel? How is it determined when it is required ? For pre-bid estimation - How is this work to be quantified and paid for?

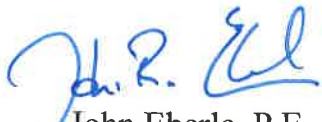
RESPONSE:

See Addendum 8 for revisions to Section 55 and the Contract Drawings.

Revised Contract Drawing Z005 removed General Note 16, which stated "When pitting exists at interfaces between new and existing materials, apply epoxy bonding adhesive between new and existing steel. See Materials Note 10."

Revised Section 55- 6.03, Construction, identifies the horizontal surfaces between new and existing steel associated with the floor beam strengthening as the areas where the epoxy bonding adhesive is to be applied. Payment for furnishing and applying the epoxy bonding adhesive between the new and existing steel is included in the Contract unit price paid per floor beam for Contract Item: "Floor Beam Strengthening (Sidewalk)".

Sincerely,



John Eberle, P.E.
Deputy District Engineer