

February 5, 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. 52 through 61**

Ladies and Gentlemen:

The following is the response to questions submitted by prospective bidders and designated as Bid Question No. 52 through 61:

BID QUESTION No. 52:

Working Plans - 5-1.23 8-1.08B(ii)

The seventh paragraph is written in caps and reads, "Submittals are required under this Contract whenever your work, whether permanent or temporary, affects, alters or attaches to the existing structure of the bridge or the surrounding grounds, roads, and other portions of the environment."

Additionally, the fourth bullet from Section 8-1.08B(ii) reads, "Field Measurement Access Plans for each structure of the Bridge."

The following is a series of questions related to the content of the Work Plan for field verification. It is important to understand the intent of this section due to the potential amount of information required, as well as, the time required by the District to approve this plan and when the Contractor is realistically permitted to proceed. For the purposes of these questions assume the access is as simple as a ladder over the pedestrian railing. How detailed is this Work Plan for this type of access to perform field verifications:

1. The Contractor assumes this Work Plan does not require the Lead Construction Engineer to perform calculations. Please, confirm.

RESPONSE:

For the temporary access system of a ladder over the pedestrian railing, as noted in the question, the contractor must comply with all of the requirements noted below. The Contractor's assumption that this Work Plan does not require the Lead Construction Engineer to perform calculations is not correct because the Lead Construction Engineer must determine how the ladder will be attached to the railing and is responsible for verifying whether the railing, which is part of the existing bridge structure, is capable to support all dead and live loads and any other loads imposed by Contractor's operations.

In accordance with Special Provisions Section 5-1.23, "Submittals," the Contractor is required to submit submittals for temporary work which must include each and every proposed detail (i) for the connections of the temporary work to the existing bridge structure; (ii) for the installation of the temporary work; and (iii) for the removal of the temporary work.

In accordance with Special Provisions Section 5-1.37B, "Load Limits," as revised by Addendum 2, the Contractor is required, prior to imposing construction loads on any portion of the existing Bridge structures, to submit and obtain Engineer's approval of working drawings, calculations and independent check calculations verifying the structural integrity and capacity of that portion of the Bridge structures, including the supporting structure and any temporary structures, under all loads imposed by your operations in addition to the bridge service dead and live loads, including equipment loads and material loads placed at all planned positions and locations during the work as shown on the corresponding Working Drawings to determine the maximum stresses and deflections in the that portion of the Bridge structures where construction loads will be imposed, including supporting structure and any temporary structures. In addition, in conformance with Special Provisions Section 48-3, "Temporary Structures," if the calculations indicate that temporary support and bracing are required to provide sufficient structural capacity of that portion of the existing Bridge structures for the additional loads imposed by the Contractor's operations, the Contractor must design, furnish, install, maintain, remove and dispose of such temporary supports

To assure quality and completeness of submittals, in accordance with Special Provisions Section 5-1.23, "Submittal Verification by Contractor," each submittal must bear the approval stamp of the Contractor's Project Manager, Quality Control Manager and Lead Construction Engineer, representing they have checked and coordinated each submittal with the requirements of the Contract Documents and that they have verified that the submittal complies with the Contract Documents.

BID QUESTIONS No. 53:

2. If required, the Contractor assumes these calculations do not require an independent check by a licensed PE. Please, confirm.

RESPONSE:

The independent check calculations by a licensed PE are required. See the reference to Section 5-1.37B in the response to Bidders' Question No. 52.

BID QUESTIONS No. 54:

3. If both the LCE and independent PE stamp the calculations (and the Work Plan), can the work in the field proceed prior to the official approval from the District?

RESPONSE:

In accordance with Special Provisions Section 5-1.23, "Submittals," the Contractor must obtain the Engineer's approval of the submittal related to any item of temporary work before such work may be installed or removed, as applicable, at the site.

BID QUESTIONS No. 55:

4. If both the LCE and independent PE stamp the calculations (and the Work Plan), is this submittal subject to a potential 45 day review period? The Contractor assumes due to the responsibility taken by these PE's, it will be permitted to proceed at its risk.

RESPONSE:

See the District's response to Bidders' Question No. 54. The Contractor will not be permitted to proceed until the Contractor obtains the Engineer's approval of the submittal. Note that in accordance with Special Provisions Section 5-1.23B(1)(a), "Engineer's Action," in scheduling and coordinating the work, the Contractor must allow at least thirty (30) days for the Engineer's review of each submittal, with the exception of the list of submittals in this Section for which the Contractor must allow a minimum of forty-five (45) days for the Engineer's review of each listed submittal.

BID QUESTIONS No. 56:

5. If this ladder (or other similar access mechanism) are moved to another location on the bridge, will this process be required to be repeated, or can it be approved due to the light weight nature of the ladder (or other similar access mechanism)?

RESPONSE:

The Field Measurement Access Plans must include all the locations where this access system is proposed to be used. In accordance with Special Provisions Section 5-1.23B, "Action Submittals," the Contractor must perform the work in accordance with the provisions of the approved submittal. Any changes in operations proposed by the Contractor after a submittal has been either approved or approved as noted must be resubmitted for the Engineer's re-approval.

In addition, in accordance with Special Provisions Section 8-1.08A, "General," the Contractor must prepare and submit far enough in advance complete and accurate submittals, covering all specified content for the Engineer's review. The Contractor must provide sufficient time for Engineer's review, for securing all required approvals with respect to the submittals and for revisions and re-submittals so delays to the work progress are avoided.

BID QUESTIONS No. 57:

Working Plans - 8-1.08B(ii): The fourth bullet from Section 8-1.08B(ii) reads, "Field Measurement Access Plans for each structure of the Bridge." To understand the magnitude of the Work Plan and all of the locations access will need to be provided, will the District provide a list of what measurements will be required in this Work Plan?

RESPONSE:

The Field Measurement Access Plans must cover proposed means of accessing those locations on the existing Bridge structures necessary to take field measurements and verify all controlling field dimensions and conditions required for the attachment of all work to the existing structure; and (ii) for the proper and adequate fabrication and installation of the entire work. If the Contractor's means of accessing those locations include temporary structures attached to the Bridge, the Contractor must field verify the locations where these temporary structures will be attached to the Bridge.

BID QUESTIONS No. 58:

Field Verification Work Plan - 5-1.23B(1): The tenth paragraph of this Section begins, "You are solely responsible for ensuring that your submittals are complete, ..." Since, the field verification submittal (even if broken into smaller portions of the bridge) could potentially have several hundred points of data for each field verification submittal. 1. The Contractor assumes the District will continue to review documents, if only minor information is discovered missing. Please, confirm this approach will be practiced.

RESPONSE:

To assure quality and completeness of Contractor's submittals, in accordance with Special Provisions Section 5-1.23, "Submittal Verification by Contractor," each submittal must bear the approval stamp of the Contractor's Project Manager, Quality Control Manager and Lead Construction Engineer, representing they have checked and coordinated each submittal with the requirements of the Contract Documents and that they have verified that the submittal complies with the Contract Documents.

As stated in the tenth paragraph of Section 5-1.23, any submittal that is incomplete, unclear, illegible or inaccurate will be returned to you without review by the Engineer, and you will be responsible for all adverse schedule impacts caused by the returned submittal.

BID QUESTIONS No. 59:

2. If minor information is amended or corrected to a field verification submittal, the Contractor assumes the District will not take the full review period to approve and can rely on shorter durations, such as, five business days. Please, confirm this approach will be practiced.

RESPONSE:

Please note that while field verification change may be "minor", it can cause a major change to the corresponding Working Drawings.

In accordance with Special Provisions Section 5-1.23B(1)(a), "Engineer's Action," for all re-submittals the Engineer will have the same amount of time to review the re-submittal as the Engineer had for the original submittal.

BID QUESTIONS No. 60:

ESA Temporary Fence - 8-1.08G (ii): This section requires the Contractor to "Obtain approval of the Post and Cable Fence Work Plan and the Type ESA Temporary Fence Work Plan." Does this Work Plan require the review and approval and seal of the LCE? Does it also require calculations to be accompanied with the Work Plan? If there are calculations, will it require independent check from a licensed PE?

RESPONSE:

To assure quality and completeness of Contractor's submittals, in accordance with Special Provisions Section 5-1.23A(1)(a), "Submittal Verification by Contractor," each submittal must bear the approval stamp of your Project Manager, Quality Control Manager and Lead Construction Engineer.

Calculations are not required for either the Post and Cable Fence Work Plan or the Type ESA Temporary Fence Work Plan since these fences are not attached to the existing structure of the Bridge.

BID QUESTIONS No. 61:

ESA Temporary Fence - 5-1.23: Additionally, straw waddles and other SWPPP BMP's sometimes require "attachment" to the ground (such as wood stakes), will these BMP's require a Work Plan reviewed and sealed by the LCE, and reviewed and approved by the District prior to commencing field work?

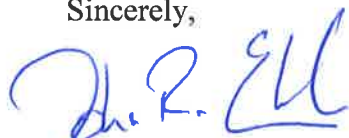
RESPONSE:

Attention is directed to Section 13-3, "Storm Water Pollution Prevention Plan." As part of the SWPPP, the Contractor is required to describe the work involved in the installation of temporary and permanent water pollution control practices.

To assure quality and completeness of Contractor's submittals, in accordance with Special Provisions Section 5-1.23A(1)(a), "Submittal Verification by Contractor," each submittal must bear the approval stamp of your Project Manager, Quality Control Manager and Lead Construction Engineer.

In accordance with Special Provisions Section 5-1.23, "Submittals," the Contractor must obtain the Engineer's approval of the submittal related to any item of temporary work before such work may be installed or removed, as applicable, at the site.

Sincerely,



John Eberle, P.E.
Deputy District Engineer