

March 29, 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. 84 through 90**

Ladies and Gentlemen:

The following is the response to questions submitted by prospective bidders and designated as Bid Question No. 84 through 90:

BID QUESTION No. 84:

Drawing No. S172 shows typical details for the shackle to plate connections for the Net Support. In review of Specification Section 60-1.03C(5), it states, "Separate dissimilar materials with bushings, grommets or washers to prevent electrolytic corrosion". Our concern is once the shackles and net system enter their service life, the paint inside the holes or along the top of the connection plate may become worn thus exposing the galvanizing. If the stainless steel from the shackle contacts the zinc galvanizing, there is a potential for galvanic corrosion. This is a concern relative to the warranty requirements specified in Section 6-3.06 and 60-1.01C(1)(e). Please advise if this condition is a concern and if electrically insulating washers and/or grommets should be added to the connection.

RESPONSE:

See Addendum 5 for revisions to Section 60-1 and the drawings regarding the requirement for separating dissimilar materials, including galvanized steel and stainless steel.

BID QUESTIONS No. 85:

Sheet 5/224, Materials: 4.c.: "(...) connection hardware including clevis, (...) shall be stainless steel AISI 316.

Sheet 59/224, Notes: 3. All connection hardware shall be duplex stainless steel Material 1.4462

Which of these statements is valid?

RESPONSE:

See Addendum 5 for revisions to Section 60-1 and the drawings. The material for the SDNS components must be either Type 316 or 316L stainless steel, as specified.

BID QUESTION No. 86:

Sheet 43/224, Net splice, typ: No transverse border cable shown. Should the net segments also be spliced in this area? Is the use of a permanent transverse border cable allowed?

RESPONSE:

See Addendum 5 and revised Contract Drawings S119 and S181 for border cable splice locations and details. The SDNS must be spliced in accordance with the SDNS Manufacturer's requirements and the provisions of Section 60-1. Permanent transverse border cables are not allowed.

BID QUESTION No. 87:

Sheet 46/224, Detail 2 7/8"Ø Bolt anchor: No connection details border cable/bolt anchor shackle shown.

How to connect the border cables with the bolt anchor shackle at the position of the existing sidewalk support?

RESPONSE:

See Addendum 5 for revised Contract Drawing S122 and the border cable/bolt anchor shackle connection detail.

BID QUESTION No. 88:

Sheet 60/224, Note: Eye Cable and connection hardware to be designed by Contractor's engineer. Are there further specification available? Will alternative concepts be accepted by the District?

RESPONSE:

See Addendum 5 for revised Contract Drawing S181 showing the Eye Cable and connection hardware. This component shall be a part of the SDNS Manufacturer's system and shall conform to the requirements of Section 60-1.

BID QUESTION No. 89:

Sheet 71/224, Connection detail shackle/end border cable. How to connect the border cables with the bolt anchor shackle?

RESPONSE:

See Addendum 5 for revised Contract Drawing S214 showing the revised shackle/end border cable connection.

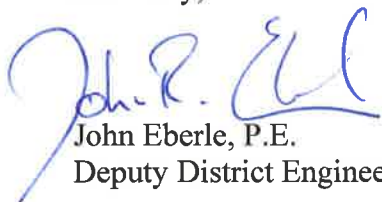
BID QUESTION No. 90:

Section 60-1.01D(1) of Volume II describes very specific qualifications for the Net System Quality Control Manager, including significant experience in both the fabrication and installation of a similar net system. Furthermore, the specification requires that "The Net System Quality Control Manager must not be employed or compensated by any other consultant, subcontractor, fabricator, or manufacture(r) of any tier who will provide services or materials on the project." Considering the specialty nature of the SDS net system, the number of candidates that meet these qualifications and **do not** currently work for one of the net manufacturers is virtually non-existent. Would the District please revisit the requirement that the Net System QC manager be assigned full time, and rather consider a requirement for the approved net supplier to supply a Installation Expert with similar experience to be on-site during the initial installation and work activities to aid the Contractor?

RESPONSE:

See Addendum 5 for revisions to Section 60-1 and the requirements for the SDNS Manufacturer to provide experienced Manufacturer's Representative.

Sincerely,


John Eberle, P.E.
Deputy District Engineer