



# CITY OF TAMPA

Pam Iorio, Mayor

CONTRACT ADMINISTRATION DEPARTMENT

David L. Vaughn, AIA, Director

## ADDENDUM NO. 1

**DATE: May 21, 2010**

Contract 7-C-58; Bayshore Balustrade Improvements

Bidders on the above referenced project are hereby notified that the following addendum is made to the Contract Documents. BIDS TO BE SUBMITTED SHALL CONFORM TO THIS NOTICE.

Item 1: Clarification

This project includes MOT, project safety, pedestrian control, testing and all work for a complete project. All unit costs are inclusive. No additional payment will be made for additional MOT, pedestrian control, testing or related work needed to perform the same task in the base bid.

The intent of this project is to repair the balustrade only, and includes only limited sidewalk replacement. This project shall be administered as a unit cost project. Each phase of the work includes a limited amount of work items identified in the bid. Those items shall be identified in the field by communication/meeting and reviewing the phase with the Engineer prior to the start of each phase. Actual values of work shall be adjusted to accommodate the actual work being done utilizing the unit values included in the bid.

This primary objective of this project is to repair and restore the concrete balustrade to the original appearance by repairing deteriorated and damage concrete (Additive Alternates 1 and 2), replacing damaged concrete and replacing the balustrade comprised of the Post and Rails (Base Bid/ Phase 1 only). After all work is done, the intent of the project is to clean and treat the entire balustrade with a migrating corrosion inhibitor and a SIKA TOP 144, or equal, Cementitious coating applied to protect the concrete and provide a uniform appearance (Additive Alternate 3).

In all cases, the repair method to be used shall be as directed and approved by the Engineer prior to the start of demolition, or selective demolition. Refer to the matrix on page P-6 of the Proposal for a clarification of the base bid work items for each phase except phase 1 (Base bid). All phase 1 work is indicated in the Drawings and Specifications for this project.

Item 2: Bayshore Balustrade Pre Bid Comments:

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Project is a non structural concrete repair to the existing decorative balustrade, with the exception of the Phase 1 portion of the work along Tony Janus Park. That portion of the project is a complete replacement using precast components.

Project is to be based on lump sum cost proposal and unit cost. Refer to bid proposal for break down of cost for lump sum. Unit cost will be used to adjust for actual work completed and to authorize additional work, as needed to complete the project.

Project contingency is included in the base bid and will be used to authorize additional work and address unforeseen issues.

Clarify Bid:

Base bid: Phase 1

Alt 1: Phase 2 thru 7

Alt 2: Phase 8 thru 9

Alt 3 Cementitious Waterproofing for all

Safety and access for the daily users of the site is paramount to the success of this project.

The Contractor will be responsible for the continued safe maintenance of the project site with concern to the public and its access to the boardwalk throughout the course of the project. All measures for adequate and safe use of the sidewalk by the public shall be included in the bid. No additional payment for protections shall be made.

During the course of the work, the Contractor may be asked to demobilize and close the site for brief periods in order to allow for parades and other events. Time will be compensated for, as needed, but monetary payments will not be made for these conditionals should they occur. Anticipate a possibility of 3-5 event occurrences that could impact the Project.

Daily coordination with the Project inspector will be the basis for authorizing work and accepting work for payments. Work and project clean-up is expected to be maintained at the highest standards. Work not accepted shall be removed promptly and appropriate corrections shall be made. If additional requirements for site safety are made as a result of unacceptable work, the Contractor shall be responsible for any and all costs associated with these protections.

Review Specifications, Project Coordination, for additional comments and directions regarding coordination, safety and clean-up

Sediment and turbidity barriers and plans are required, as needed, to prevent contamination to the bay from chemicals, solids and sediment as a result of this work.

Bidders are required to review the site prior to submitting proposals. No scheduled time will be made for this review.

Review Technical Sections end of specifications and drawings prior to submitting bid.

Questions from the meeting:

Asbestos Testing for concrete demolition and disposal? If required, this will be addressed via the construction contingency

Item 3: Contractor's Pre Bid Questions and Responses:

Question 1) The project manual appears to conflict with the drawings in regard to the base bid and alternates. Drawings show base bid includes phases 1, 2, and 3. Project manual's bid form states the replacing of the balustrade and other non structural repairs for the base bid. Please confirm which prevails.

***Answer: Phasing shall be as indicated on the drawings. Refer to Item 2 of this Addendum, the forth paragraph restates the Base Bid and Alternates as indicated on the proposal sheets P-3 and P-4 of the specification. Disregard all references to Base Bid and Alternates indicated on the drawings.***

Question 2) Does the migrating corrosion inhibitor and Cementitious coating get applied to all rail surfaces new and existing phases 1 – 9?

***Answer: The corrosion inhibitor is included for the entire railing system in Phase 1. The product is to be installed in accordance with the manufacturer's instructions and the cost of the product and application shall be included in the proposal cost for this item.***

***For all other work indicated in Alternates 2 and 3, the corrosion inhibitor shall be installed at the point of the repair and 12" beyond in each direction. The product shall be installed in accordance with them manufacturer's instructions and the cost of the product and application shall be included in the respective unit cost for the task being performed. No additional payments shall be made for corrosion inhibitor applications on additional work authorized using unit cost.***

***For Alternate 3, the corrosion inhibitor shall be installed along the entire balustrade from Phase 2 thru 9 (note: phase 1 is done completely under the base bid). The product shall be installed in accordance with them manufacturer's instructions and the cost of the product and application shall be included in cost for the alternate. The specified Cementitious waterproofing coating will be installed, after the application of the corrosion inhibitor, in accordance with the manufacturer's instructions. Note: The Cementitious waterproofing coating is to be applied on the entire balustrade from Phase 1 thru 9 if this alternate is accepted. No additional payments shall be made for corrosion inhibitor applications for this alternate.***

Question 3) Instructions to bidders section 1 special conditions I-1.10 states no goal is set for SLBE participation. Please confirm if SLBE participation is not required along with documentation and good faith effort forms.

***Answer: The specification is correct in that no goal is set for SLBE participation. However, the DMI Solicited and Utilized forms in the Proposal must be completed to reflect subcontracting efforts and results.***

Question 4) The bid documents are clear that we are to base our price on the quantities and activities listed for each phase. However, elsewhere in the documents we are required to provide two coats of corrosion inhibitor (Sika FerroGard 903) on the entire balustrade system. Should this have been included on the quantities and activities list?

**Answer: No change is required; refer to response to question 2 above.**

Question 5) Similarly one of the notes on SN1 requires that we provide 2 tons of rebar for random use and credit the owner for unused material at the end of the project using the specified unit price. We can include this in the base bid but we need a unit price item for the credit calculation at the end of the project

**Answer: Disregard reference to providing 2 tons of rebar for the project.  
Clarification: The contractor shall provide sufficient rebar necessary to prosecute the work indicated in the base bid of the project without delay. The amount of rebar required shall be determined thru the shop drawing and review phase. However, it is the contractor's responsibility to have enough rebar (stainless Steel rebar) to complete the project work indicated in phase 1 (Base bid). No additional payments for rebar to complete phase 1 work will be made.**

***For Alternate 2: Phase 2-7, the contractor shall provide 200 LF of Stainless Steel Rebar to complete the entire project in according with the unit values indicated on the work task . If additional rebar is needed as a result of additional work or a higher rate of consumption than anticipated, additional rebar will be purchased based on a unit cost agreed t with the inspector. Provisions are in place in the agreement and contract to address this cost provided the contractor provides the documentation. As a clarification, since the labor for the installation and handling of the rebar is included in the unit cost for the work, No additional payments for this shall be made, the additional payment will be for materials and shipping only, and that can be authorized from the construction contingency at the approval of the engineer..***

Question 6) One of the notes on SN1 requires that we provide an engineer or a test lab technician to inspect everything before we repair it and to keep records of quantities used for record purposes. Elsewhere in the specs it tells us to provide quality control testing and it also says the owner will provide quality control testing. The independent technician to inspect and record everything is clear and we can distribute this cost over the appropriate tasks and the other QC testing is minimal but we do need a clarification as to who pays the testing lab.

**Answer: Quality control and testing will be performed by the Contractor and COT Project Inspector (also refer to reply to question # 13 below). Contracting with a separate firm for this is not required except as follows:**

***Material Strength: The Contractor shall hire and independent test lab to perform strength test on the high strength concrete sing the smaller cubes (in order to reduce waste and save material). The material used for these***

**tests shall not be included in the amounts indicated on the work matrix indicated in Proposal sheet P-6. These test shall be performed in Accordance with good construction practices and the manufacturer's recommendations, but not less than two**

**Separate test per phase. In result of a failed test, two additional test will be performed to satisfy the requirement.**

**Workability: The Contractor is responsible for workability of the grout product. If the inspector feels that the material is too wet, and the strength has been compromised, then an additional test, of the questionable batch may be requested to determine if the material is acceptable or not. If an additional test fails, the contractor is responsible for the cost of the test and the replacement of the offending material. The contract has provisions for additional testing that passes.**

**Special test:**

**Pachyometer: A pachyometer is required for the installation of the work indicated in phase 1. The contractor shall include the cost of this service, by a professional testing company specializing in this type work, as needed to insure the proper installation of the railing system in phase 1. If additional testing of this nature is required for alternates, then it will be addressed as an extra.**

**Sealant test: Some destructive testing will be performed by the manufacturer's representation to determine the installation is acceptable to certify in any way needed for warranty. This test does not have a charge associated with it but will require replacement of the material in areas where the test is performed. The contract shall include the cost of this testing in his bid cost/ unit cost for this work. No additional payments shall be made to replace sealant damaged by destructive testing.**

**Waterproofing Test: If Alternate three is accepted, the owner may choose to perform test to determine that the material has been applied properly. Those test will be performed by the manufacturer's representative and the Owner.**

**Soil test (compaction): in the event a soil test is required before replacing a piece of sidewalk or other concrete, the owner will use internal staff to perform the test.**

Question 7) We were unable to attend the pre bid conference. Would you please provide a copy of the sign in sheet and any information (Q&A) that was discussed.

**Answer: Refer to Item 2 above for Project Coordinators Notes from the meeting.**

Question 8) On plan sheet SD3, Drawing B/SD3, the post anchor holes are shown to be 2" diameter with a No. 6 bar embedded 12" in either Simpson Strong Tie "SET" or Hilti "HY-150" (Plan Sheet SN-2, Instructions For Installation of Drilled In Dowels and Anchors, Item 3. ) epoxy. Hilti recommends a 7/8" hole for #6 rebar using HY-150, and they feel if an oversized hole is needed, then they recommend RE500 as it has more

Flexibility for oversized holes. Please clarify the need for 2" holes and/or the epoxy product to be used.

**Answer: Installation of all connections and fasteners shall be in accordance with the manufacturer's instructions. Questions of this nature shall be addressed during the shop drawing review phase when the Contractor submits the entire system for review and approval.**

Question 9) Could the parking area, by the marina and north of beach place (Phase 2), be shutdown and utilized as a staging area?

**Answer: Do not plan for this. Discussions at the pre bid indicated that there is limited space along the project, and that a location will be identified at the time of the preconstruction meeting. This area will be relatively small and limited. For the Base bid portion of the work, there is adequate lay down area at Tony Janus Park to perform all necessary and related tasks for that phase of work.**

Question 10) Can the replacement of the posts and rails in Phase 1 be precast? If so, I would assume that the stainless rebar and concrete specifications still apply. Please clarify.

**Answer: Refer reply to question # 17 below and to the documents. The post rail system is intended and specified to be a complete pre-cast system, but it is understood that the installation may ultimately require some components to be poured in place around the pre-cast elements. The system designer is responsible for submitting detailed shop drawings outlining the limits and portions of the pre-cast components and the construction method planned. As discussed at the pre-bid meeting, the intent is to pre-cast the system as much as possible to accommodate good construction practices; but, regardless of the fabrication/construction method, all rebar used for the construction of the post and rail system and the repairs in later phases of this project shall be stainless steel.**

Question 11) Instructions to Bidders Item I-1.08 references a Ground Breaking Ceremony for the project. Please provide details of necessary procedures to be undertaken by Contractor so this work can be properly priced to be included in the bid.

**Answer: The Contractor's requirements for the ground breaking ceremony (if there is one) are minimal.**

Question 12) Bid Form page P-6 includes Allowance Quantities of Concrete Repair to be performed based on quantity of bags of repair material to be used. The specified repair material (SikaRepair SHA) is packaged in two size bags, 25 lbs or 50 lbs. Please identify which size bags should be the basis of our bid.

**Answer: The intent is for the bag size to be 50# bags**

Question 13) Spec for Concrete Repair, Section 03130-1.5.B.1 calls for material manufacturer to provide a Professional Engineer who will make weekly site visits to verify compliance with product installation recommendations. This inspection/verification is typically performed by material manufacturer's rep, who is often more familiar with their own products and with need prep and installation methods than would be typical PE. Further, independent PE has no long term interest in quality of the work, whereas material manufacturer's rep will be issuing the warranty for the material, so has motivation to insist on full compliance with preparation and placement requirements. Please confirm manufacturer's representative can provide site inspection/verification confirmation as per this spec requirement.

**Answer: The primary concrete products materials manufacturer shall provide a professional engineer to perform quality control on this project. The basis of the bid is Sika products which has a professional engineer on staff locally. Any substitute products proposed shall meet the same criteria. The PE is not required to be on site full time during construction, but will make appropriate visits to verify conformance to the construction documents, a minimum of once per week.**

Question 14) Spec for Alternate 3 Concrete Coating, 03130-3.14.D, calls for material manufacturer's representative to verify thickness of applied coating by performing 1 thickness test per 100 LF. This will amount to more than 200 tests from Phase 1 to Phase 9, obligating the material manufacturer's time continuously on site for several weeks for this sole purpose. The manufacturer's rep has indicated that testing frequency is excessive to his needs in order to warrant the work, so this is to request modification of the Alt 3 Coating thickness testing to 1 test every 500 LF.

**Answer: Bids should be submitted based on the specifications as written. The Engineer will consider a fewer number of tests if early testing is acceptable and testing continues to be acceptable.**

Question 15) Is the work on the brass plaque and aluminum fence identified on Work Examples and Product Location Usage photos page 7 of 37 to be included in Base Bid or in one of the two Alternates?

**Answer: The plaque restoration and fencing shall be part of the base bid.**

Question 16) There is no specifications for precast concrete in the project manual. Cast in place concrete spec calls for material testing process, to be performed by independent testing lab. Please advise if it is acceptable that precast material produced by NPCA-certified fabricators does not require material testing confirmation.

***Answer: A pre-cast concrete specification is will not be provided. Specifications for cast in place concrete are included in the Concrete Restoration Section 03130 for balusters. An NPCA certified fabricator shall be used for pre-cast concrete components and no testing will be required. Engineering on the pre-cast products is required prior to fabrication. The requirement for the submission of mockups for approval is required prior to fabrication of the components.***

Question 17) I have a question regarding the above referenced project-Can the replacement of the posts and rails in Phase 1 be precast? If so, I would assume that the stainless rebar and concrete specifications still apply. Please clarify.

***Answer: It is the intent of the design is to have the entire portion of the Base Bid; Phase 1 work (replace the exiting post and rails) completed entirely, or as much as is reasonably possible using precast concrete elements. These elements are to be fabricated by an NPCA certified fabricator familiar with the fabrication and installation of both Architectural and Structural pre-cast concrete components, and no testing will be required unless materials are thought to be of questionable quality. Complete engineering on all pre-cast products, including appropriately engineered and sealed shop drawings, shall be submitted for approval prior to fabrication. Shop Drawings shall delineate the limits of precast and cast-in-place elements, and address assembly and construction issues related to installing the designed precast railing components. Shop Drawings for the entire system must be approved prior to fabrication of any components. Once shop drawings are approved, then mock-ups and samples, with supporting documents for concrete design and strength, shall be submitted for final approval before beginning to fabricate the system.***

***All materials for fabrication, including: admixes, corrosion inhibitors, concrete, and rebar..., shall be as specified elsewhere in this contract (re: specification 03130 "Concrete Restoration Section", and the drawings).***

This addendum shall be included in and attached to the inside cover of the Contract Documents by and upon which bids are submitted.

All other provisions of the Contract Documents and Specifications not in conflict with this Addendum shall remain in full force and effect. Questions are to be e-mailed to Contract Administration@tampagov.net.

  
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Jim Greiner, P.E., Contract Manager