

# Question & Answer #2



## PIER 4 PHASE 2 RECONFIGURATION PROJECT NO. 091251 | CONTRACT NO. 070136

### 1. BIDDER QUESTION

- Drawing S40.1 Depicts a Nominal Epoxy Grout thickness of 2 ½" beneath the soft mount rail.  
--- Is this depth correct?

#### RESPONSE

No. The total nominal depth of epoxy grout pad is correct at 2 1/2", although the dimension line should be revised to indicate 2 1/2" to the top of the grout at the top of the sole plate, rather than to bottom of the sole plate.

See Addendum No. 02

### 2. BIDDER QUESTION

- Drawing S28.2 Depicts a Nominal Epoxy Grout thickness of 1 ¾" beneath what is presumed to be the plate system installed at the rail isolation joint.  
--- Is this depth correct?

#### RESPONSE

Yes, the depth is correct.

### 3. BIDDER QUESTION

- 2.02 Crane Rail B. The following chemistry values and yield strength range need to be changed to match the mill's chemistry ranges for Advanced Head Hardened Crane Rail as per attached sheet (Attachment A to this Q&A #2).  
--- Mg .70 to 1.30% should be changed to .65 to 1.25%  
--- P .04% should be changed to .03%  
--- S .05% should be changed to .25%  
--- Yield strength 120,000 to 135,000 psi should be changed to 120,000 – 140,000 psi

#### RESPONSE

See Addendum No. 02

### 4. BIDDER QUESTION

Is there a prequalification for the Port and if so, how may I start the process?

#### RESPONSE

There are no prequalification requirements prior to bidding. The only prequalification required for this project, as noted in Section 26 05 00, paragraph 1.03.D, is electrical work associated with the Tacoma Public Utility's infrastructure.

PIER 4 PHASE 2 RECONFIGURATION  
PROJECT NO. 091251 | CONTRACT NO. 070136  
Question and Answer #2  
April 27, 2016

5. **BIDDER QUESTION**

Will the Port be using their on-call contracts for the Quality inspections and testing for this project, or will they go out to RFQ due to the size and dollar amount?

**RESPONSE**

The Port will be soliciting a Request for Qualifications for inspection and testing services.

6. **BIDDER QUESTION**

Re: Instructions to Bidders 1.04.E.1 Bid Validity of 60 days; 1.05.D AWARD; Spec section 01 10 00 – 1.02 Project Phasing B Area 1 and B.3; and Agreement section 3.0

- a. The Agreement states Substantial Completion of the Area 1 not later than 540 calendar days. However, the 01 10 00 Section 1.02A Project Phasing indicates that the Port will be receiving container cranes on Area 1 in January 2018. Is there a calendar date certain for completion of Area 1?
- b. Spec 01 10 00 section 1.02.B.3 indicates that ... installation of concrete piling north of Bent 29 to occur within the 2016 – 2017 in-water work season. With all the work activities and pile fabrication that has to occur for the piles to be installed in Area 1 during the 2016 – 2017 in-water season, an early start to the project will be needed. Will the Port be taking the 60 day bid validity for AWARD? What AWARD date and NOTICE TO PROCEED date will be Port state in an addendum, for bidding purposes?

**RESPONSE**

- a. The calendar date for completion of Area 1 will be established upon execution of the contract, based on the date of contract execution plus 540 calendar days.
- b. It is the Port's intent to award the contract as soon as possible following bid opening and validation. Upon determination of the apparent low bidder, the request to submit responsibility information will be sent. Upon verification of responsibility, the Port will issue the Notice of Award to the Contractor who will have 10 days to sign the agreement and provide supplemental information as required. Upon verification the Port will execute the contract. Issuance of Notice to Proceed will depend upon the Contractors responsiveness to provide the prework submittals required in the specifications. The 60 days reference in Instructions to Bidders is intended to apply only if there are extenuating circumstances which delays the timeline for determining low bidder, issuing the notice of award and/or executing the contract.

7. **BIDDER QUESTION**

Re: BID FORM – Principal Subcontractors/Suppliers: The plumbing and HVAC work for the project appears to be inside the marine building. If the marine building is subcontracted to a building subcontractor, the plumbing and HVAC, as well as building electrical would likely be subcontracted to second tier subcontractors. Please clarify if the second tier subcontractors are to be listed or if the building subcontractor alone is to be listed for each category.

**RESPONSE**

As noted in Section 00 21 00 Instructions to Bidders, paragraph B.1 lower tier Sub-Bidders do not need to be identified. The Bidder shall submit as part of the bid the names of the subcontractors with whom the bidder, if awarded the contract, will subcontract for performance of the work listed on the bid form.

PIER 4 PHASE 2 RECONFIGURATION  
PROJECT NO. 091251 | CONTRACT NO. 070136  
Question and Answer #2  
April 27, 2016

8. **BIDDER QUESTION**

The meeting agenda from the pre-bid meeting shows 2:00 on May 17 as the bid opening date/time. The Advertisement and the website state 2:30 - which is correct?

**RESPONSE**

Bid Opening is as stated in Section 00 11 13 - Advertisement to Bid: **May 17, 2016 at 2:30 PM**

9. **BIDDER QUESTION**

Are you looking to select a Construction Manager or a General Contractor?

**RESPONSE**

A General Contractor

10. **BIDDER QUESTION**

What size, quantity and voltage of conductors go into "TPUC 17" as shown on drawing E3.6 and E8.2?

**RESPONSE**

See Addendum No. 2

11. **BIDDER QUESTION**

How do we support Panel "HP" and where is the schedule for it as shown on drawing E3.6?

**RESPONSE**

Panel HP is to be wall mounted inside the Switchgear building. No panel schedule is provided, as the panelboard is a part of the medium voltage switchgear and will be provided by the switchgear manufacturer. The panelboard is for service to the Switchgear Building's lighting, fans, receptacles, heaters, etc., and other circuits exterior to the building. Refer to specification 33 77 00, 2.04.Q.

12. **BIDDER QUESTION**

What detail on the structure drawings is for the Bull Rail Power Vaults?

**RESPONSE**

Structural details of the Bullrail Utility Vaults are shown on drawings S25.1 and S33.1.

13. **BIDDER QUESTION**

Is this project "Buy America" or "Buy American"?

**RESPONSE**

Federal Buy America requirements do not apply to this project, however domestically made products shall be provided if required per the technical specifications. (e.g. Section 21 00 00.01 General Fire Protection Requirements)

PIER 4 PHASE 2 RECONFIGURATION  
PROJECT NO. 091251 | CONTRACT NO. 070136  
Question and Answer #2  
April 27, 2016

14. BIDDER QUESTION

It appears that the wire is missing for "PD21 ", "PD22" and "PD23" for the Reefers as shown on drawing E8.2? Please clarify?

RESPONSE

The reefers are not part of this contract. Conduit only is to be provided as part of this contract.

15. BIDDER QUESTION

On drawing E8.2 per wire note "FOB34" it calls for (4) 4" with fiber optic cable per note 17 to be installed in it. The question is, does each of the (4) 4" conduits get the fiber optic cable called out in note 17 installed in each, or is the fiber optics cable intended to be divided up between the (4) 4" conduit? Please clarify?

RESPONSE

The quantity of fiber optic cables is the total number of cables, NOT the quantity of cables in each conduit. Multiple matching cable sizes may be installed in an innerduct cell, depending on the size of the cables. This will allow some conduits to be spare for future use.

16. BIDDER QUESTION

1. Within CONTRACT SPECIFICATIONS - DIVISION 01 -- GENERAL REQUIREMENTS - 01 20 00 - Price and Payment Procedures there are multiple reference to: "Measurement: This item will be measured based on a percentage complete for the overall lump sum amount."

This phase is to be applied to such items as: Item #2: Project Administration; Item #3: Field Engineering, etc.

This phase is also applied to Item #4: Demolition.

Please clarify for us the use of the phase "overall lump sum amount."

If the "overall lump sum amount" is to represent the sum of all 37 Bid Items (BASE BID SUBTOTAL), then the Demolition work that is performed at the beginning of the project would not be fully paid for until the completion of the project.

It is strongly recommended that this method of measurement for the Demolition work be modified to allow for payment of this work as the Demolition is completed.

RESPONSE

The term "overall lump sum amount" included in various bid items under "Measurement" applies to the work identified under that specific bid item. Most of the lump sum bid items include a variety of work items. Upon award of the contract, the Contractor will submit a Schedule of Values breaking down those lump sum items into the various work components. Each month the Contractor and Port Engineer will review and agree on the percentage complete for each work component to establish the payment amount for that bid item. Under the "Payment" paragraph for those lump sum bid items we have specified that "This item will be paid for at the Contract lump sum price as specified in the Contractor's submitted bid, in accordance with the approved Schedule of Values". The only exception is Bid Item #1 Mobilization and Demobilization which has specified percentages based upon completion of other work. Payment will be made as work is completed.

PIER 4 PHASE 2 RECONFIGURATION  
PROJECT NO. 091251 | CONTRACT NO. 070136  
Question and Answer #2  
April 27, 2016

17. BIDDER QUESTION

Per specification section 26 56 36-1 on line 1. 02 A, it states that the contractor is to remove and relocate seven existing 11 O' steel poles. On drawing E3.4 it appears that light pole "YL 12" is existing to remain, instead of being removed and relocated? Please clarify?

RESPONSE

See Addendum No. 2

18. BIDDER QUESTION

Reference is made to CONTRACT SPECIFICATIONS - PART 1 – GENERAL - 1.02 CONTRACTOR ACCESS AND USE OF PREMISES - A. Work Site Regulations and to the statement therein:

3. There are no work hours restrictions associated with this location, although the Contractor shall comply with local ordinances with regard to noise and work hour restrictions.

It is requested that we be provided with the local noise and work hour ordinances at the site of the work.

RESPONSE

As noted in Section 01 35 47 - Air and Noise Control, we refer the Contractor to local controls and noise level rules, regulations and ordinances. It is the Contractor's responsibility to procure those requirements.

As the project is located within the City of Tacoma and Pierce County, both of which have noise ordinances accessible on line, we recommend that Contractors at least review those sites, although it is the Contractor's responsibility for adherence to any other jurisdictions that may apply (e.g. US Coast Guard, Army Corps of Engineers, etc.).

19. BIDDER QUESTION

DIVISION 31 – EARTHWORK - SECTION 31 62 00 - DRIVEN PILES - 3.02 STEEL SHEET PILING

A. Sheet pile installation shall occur after stone column installation is complete.

Is it the Port's intention that all Stone columns have to be installed before any sheet wall installation can occur? Or is there a certain distance of separation between the two activities?

RESPONSE

See Addendum No. 2

20. BIDDER QUESTION

Is there a Buy America Clause on this project?

RESPONSE

See response to Question 13.

PIER 4 PHASE 2 RECONFIGURATION  
PROJECT NO. 091251 | CONTRACT NO. 070136  
Question and Answer #2  
April 27, 2016

**21. BIDDER QUESTION**

Specification 35 42 37/3.02 E Placement Filter Blanket – calls for ... Actual filter blanket thickness shown on the Drawings is a minimum thickness. Actual filter blanket thickness may exceed that shown on the drawings to accommodate the dredged surface of the slope if over dredging has occurred up to the maximum allowable over-dredge depth... However, Specification 35 20 23/1.05.D Payable over-dredge Depth – calls for ... Additional filter blanket material placed to provide the required slope grade in areas of payable over-dredging shall be provided at no cost to the Port. Please clarify what amount/what thickness of filter material is paid for in the Bid Item quantity unit price for filter material.

**RESPONSE**

The tonnage of filter material paid for in the bid item quantity will be based on the 1-foot thickness shown on sheets C3.2 through C3.4, with deductions made for material placed outside the tolerances of the design cross section (see Section 35 42 37, paragraph 1.07.B).

As stated in Section 35 20 23, paragraphs 1.05.D &E, filter blanket material placed within the payable over-dredge depth and within the maximum allowable over-dredge depth shall be provided at no cost to the Port. That is, filter blanket material placed below the required final design dredge surface will not be considered as payable quantity. It is advised that the Contractor consider this when establishing the unit price for Bid Item #10 - Filter Blanket.

**22. BIDDER QUESTION**

In reference to the Pier 4 Phase 2 Reconfiguration Project at the Port of Tacoma, I have a question about the geotechnical report provided. In the “Geotech Data Report, Pier 4 Reconfiguration, dated Sept 18, 2014” CPT data was provided on pages 89 – 92. The data provides a depth in feet, but does not provide a start elevation. Is there any way for that information to be provided?

In addition, is there any other most recent survey information that can be provided since the latest Phase 1 dredging?

**RESPONSE**

The CPT probes were pushed from the upland yard ground surface. The ground surface elevation at these locations is approximately elevation 17 to 19 MLLW.

The slope contours depicted on Sheet C2.1 reflect the survey that was performed after completion of the final round of Phase 1 dredging. No additional survey work has been performed since then.

ATTACHMENT A - Crane Rail Attachment - Question #3



ArcelorMittal

## RailProducts

### CraneRail

Sections - 104CR, 135CR, 171CR, 175CR, and MRS87A

Dimensions (inches)	A Headwidth	B Height	C Web	D Basewidth
104CR (51.59kg/m)	2.5	5.0	1.0	5.0
135CR (66.97kg/m)	3.17(gage)	5.75	1.25	5.1875
171CR (84.83kg/m)	4.122(gage)	6.0	1.25	6.0
175CR (86.80kg/m)	4.084(gage)	6.0	1.5	6.0
MRS87A (86.77kg/m)	4.0	6.0	1.375	6.0

Railgrade	General Chemistry	Minimum guaranteed Mechanical properties	Typical range of Mechanical properties
CC	0.67 ≤ C ≤ 0.84% 0.70 ≤ Mn ≤ 1.10% P ≤ 0.040% S ≤ 0.050% 0.10 ≤ Si ≤ 0.50%	285BHN	300 – 331 BHN 65 - 90,000 psi yield strength 135 - 160,000 psi tensile strength
HH	0.75 ≤ C ≤ 0.84% 0.70 ≤ Mn ≤ 1.10% P ≤ 0.040% S ≤ 0.050% 0.10 ≤ Si ≤ 0.50%	321BHN	335 – 375 BHN 105 - 125,000 psi yield strength 165 - 185,000 psi tensile strength
AHH	0.84 ≤ C ≤ 0.92% 0.65 ≤ Mn ≤ 1.25% P ≤ 0.030% S ≤ 0.025% 0.10 ≤ Si ≤ 0.70%	360BHN	370 – 390 BHN 120 - 140,000 psi yield strength 180 - 195,000 psi tensile strength