

**REQUEST FOR INFORMATION
FOR
COUNTY OF SAN MATEO**

**LISTED BELOW ARE THE QUESTIONS (Q) SUBMITTED BY
POTENTIAL BIDDERS FOR THE**

**MEMORIAL PARK
WASTEWATER TREATMENT FACILITIES
IMPROVEMENT PROJECT**

**COUNTY PROJECT NO. P23P4
PROJECT FILE NO. E4955**

**THE COUNTY OF SAN MATEO DEPARTMENT OF PUBLIC WORKS
HAS PROVIDED RESPONSES (R) TO THE QUESTIONS BELOW**

NOTE: See <https://publicworks.smcgov.org/memorial-park-wastewater-treatment-facilities-improvement-project> for updates.

Q1. Please clarify what items of work are to paid in Item 13 Concrete Work and Item 16 Cast-in-Place Sitework Concrete. It is assumed all concrete for the new WTP and Control building would be Item 15 Cast-in-Place Structural Concrete.

R1. From the Bid Schedule (NC and PR Sections) in the bid documents:

- Item 13 “Concrete Work” Includes payment for the following sections: 03100 Concrete Formwork and 03315 Grout.*
- Item 14 “Cast-in-Place Structural Concrete” includes concrete for the new wastewater treatment plant (WWTP) and the structural improvements for the screen channel.*
- Item 16 “Cast-in-Place Sitework Concrete” all concrete and reinforcement for the drainage ditch, equipment pad, concrete for bollards and fence posts, and all other concrete not included in the WWTP structure or CMU control building.*
- Item 17 “CMU Control Building” included all concrete and reinforcement for the CMU control building*

Q2. Section 13122 Pre-Engineered Metal Canopy, Paragraph 2.02, indicates galvanized coating for primary and endwall framing, while Paragraph 3.02 indicates coating per section 09900. Please clarify if finish coating will be required over the galvanized components.

R2. Section 13122-2.02.C. indicates galvanized coating as a requirement for fabrication and transport. Section 13122-3.02.B. states that factory-applied shop coating is intended as temporary protection during delivery, storage, and erection. Section 13122-3.02.C. states that all primary, endwall, and secondary structural faming components shall be field sand blasted and coated per Section 09900 after erection.

Q3. Section 16208, Paragraph 2.01 indicates several manufacturers for the generator system or approved equal, however, plan note 5, sheet E02, indicates a Kohler generator with No Equal. Please clarify which generators will be acceptable.

R3. The generator shall be as specified in Note 5 on Drawing E02 with no equal.

Q4. Project drawing Sheet #7 (C04) shows trees outlined with different symbols. There is no legend to explain what the various symbols indicate. What do the different symbols mean and can clarification be added in order to indicate what actions bidders are to account for in our bid pricing with these trees?

R4. The symbols (squares around the trees) represent tree protection fencing. Addendum No. 1 will be issued by May 15, 2019 to address this concern. Bid Item for "Tree Protection" will be included in Addendum No. 1.

Q5. Drawing Sheet #39 shows the layout of the buttresses which support the canopy. The details for the buttresses are referenced to sheet #41, for both the four buttresses along the sides and the corner buttresses, however as shown on Sheet #39 they are quite different. The detail on sheet #41 does not represent the corner buttresses. Where are the details for the two corner buttresses with dimensions, depth, width, etc... shown?

R5. Addendum No. 1 will be issued by May 15, 2019 to address this concern. Please see revised Sheet S101(rev) included in Addendum No. 1.

Q6. The roof trusses for the Control building are not shown or described in the spec. Sheet #43 shows a truss without description and on that same sheet there is a reference to the Plan view in Detail 1 – but the plan view on sheet #42 does not show and trusses. We are contractors and not routinely engaged in design of timber trusses, spec section 06190 provides no useful information. Can we get a design of the required truss such that we can contact our suppliers and communicate to them what is required for these trusses?

R6. The roof truss for the CMU control building specified in section 06190 is a prefabricated wood truss. We do not expect the contractor to build their own truss, but to get one from a supplier that makes them per the specifications. The pitch of the roof for the control building is 4V:12H as stated on Sheet A202. The roof size, including overhang, is shown on Sheet A201.

Q7. In the spec's - 1.08 states: roof panels to be Kynar coated BOTH sides. This is not standard in the industry. The top would be Kynar the bottom would be a "wash coat".

R7. We believe this is referring to Section 13122.1.06 Warranties. Please disregard the Kynar coating as it is not used.

Q8. Spec 2.05 - Finish states roof panels, wall panels to be coated with Star (MBCI) Signature 200. This is a silicone/polyester system NOT Kynar. Also, plan sheet A101 - States translucent panels, earthen color, not a painted panel as stated in 1.08. Please clarify panel type and coating system.

R8. We believe this is referring to Section 13122.2.04. Wall paneling should not be part of this section. Yes, they will be translucent, earthen color, not painted. This Section relates to roof paneling finish.

Q9. Lastly the roof pitch is normally stated 1:12, 2:12, 3:12 etc they state 2:1?? Please confirm/clarify the required roof pitch.

R9. The roof pitch is 6V:12H.

Q10. Drawing E100 shows various equipment that will require conduit be installed. Is the design intent to install the majority of the conduits as PVC conduits embedded in the top slab of the concrete deck? Or is the intent to install all conduit exposed / overhead on the canopy structure? How should we bid this work?

R10. The design intent is to install majority of the conduits exposed and as specified in Section 16110. Conduit type shall be as specified in Section 16110, 1.01. Use of PVC conduits embedded in the top slab of the concrete deck is allowed, if the Contractor chooses this type of installation at Contractor's discretion, however, there shall not be any additional cost to the Owner.

Q11. Most of the equipment shown on Drawing E100 that requires conduit does not have conduit sizing shown. Please provide conduit sizes.

R11. Unless otherwise stated on the drawings, all conduits shall be ¾" per NEC conduit fill requirements.

Q12. Drawing M402, Section A, indicates installation of an air unit and mixer, however, we could not find any specification information for this work. Please provide additional information on the unit required.

R12. Addendum No. 1 will be issued by May 15, 2019 to address this concern. See Section 11519, "Air Powered Mixers" included in Addendum No. 1 for additional information.

Q13. Bid Item #29 is to account for the FRP Tank Covers, which is listed as a Lump Sum bid item. On Drawing sheet #18 there are two covers shown., the other pits appear to remain uncovered. Are these two covers the only FRP covers required for this bid?

R13. The sections of the WWTP that are covered are cast-in-place concrete. Please refer to sheets 25, 26, and 28 (Drawing M401, M402, and M404) for the location of the FRP covers. The FRP covers will cover the new wet well and screen channel.

Q14. In the Special Provisions, on Page 6, the Description of Work lists Item #9 as: "Install bypassing of existing WWTP to new WWTP". However in searching the specs, we can find no other information regarding the temporary bypass. Where

are the bypassing parameters provided? What is the flow volume we must account for with this bypass?

R14. Addendum No. 1 will be issued by May 15, 2019 to address this concern. See Section 02145, "Sewer Bypassing Systems" included in Addendum No. 1 for additional information.

Q15. Is the chain link fence around the WWTP 8' high with a 2" galvanized chain link mesh or does it 3-1/2" x 5-1/2" plastic slatted chain link fabric? The plans show a Caltrans Drawing and the Specifications call out something different.

R15. The chain link fence shall be installed per referenced Caltrans Drawing on Sheet C10.

Q16. Does the fence have 3 strands of barbed wire?

R16. This fence does not have barbed wire.

Q17. Does the fence have a top and bottom tension wire or a 1-5/8" top and bottom rail?

R17. The chain link fence shall be installed per referenced Caltrans Drawing on Sheet C10.

Q18. Plans call out a 8' wide Cantilever gate but the specifications call out a double swing gate, please advise if the gate is a cantilever gate or double swing gate?

R18. The fence gate shall be a cantilever gate.

Q19. The specifications call out a 2" square frame for the gate but the plans show a Caltrans detail which is a 1-7/8" OD gate frame; which is the intended frame?

R19. The chain link fence gate frame shall be installed per referenced Caltrans Drawing on Sheet C10.

Q20. Is this a Buy America/n project?

R20. This project does not have Buy America requirements.

NOTE: Responses to Q1 – Q20 has been issued and posted to the project website on 5/14/19.

Q21. Is this project subject to the Buy America or Buy American material requirement for steel product?

R21. See Response R20.

- Q22. What is the height of the new chain link fence and cantilever gate, plans mention 8' high, specification section 02832 mentions 6' high?
- R22. Chain link fence shall be 8 feet high as shown on plan Sheet A101.*
- Q23. Does the chain link fence get attach to the canopy? Project plan sheet A101 shows the chain link fence under the canopy, per detail B, but is not clear if the canopy and the chain link fence connect, please advise?
- R23. Fence line and wall paneling should be as close as possible while the centerline of the fence posts is a minimum 9" clearance from the canopy footings per Sheet A101.*
- Q24. Question No. 15 asked whether the new fence and gate will require slats. The response given was that the chain link fence shall be per reference Caltrans drawing on C10. That drawing is Caltrans RSP A85 dated 2015 which gives the option for slatted fencing and non-slatted fencing. Please confirm that slats are not required.
- R24. Fence slats are required. There is a callout for fence slats on Chain Link Fence Detail on Sheet C10.*
- Q25. Looking at the drawing on C10 for the chain link fencing (RSP A85 dated 2015) the line post size and corner post for a fence at 8' high are different than those called out on specification section 02832 (i.e. line post per RSP A85 are listed as 2 7/8" OD, but the specification section 02832 mentions the line post to be 2 3/8" OD.) Please clarify which takes precedence.
- R25. Fence posts shall be 2-7/8" OD per Caltrans Detail shown on Sheet C10.*
- Q26. Section 13122, 1.03, D, 3, vii) indicates Crane and Monorail load design requirements. Please confirm cranes and/or monorails are not required to be installed in the canopy, and that design considerations for cranes/monorails will not be required.
- R26. Specification Sections 13122, 1.03, D, 3, vii and 13122, 1.03, D, 6. does not apply to this project. There are no crane or monorail supported by this structure.*
- Q27. I just wanted to clarify the Response "R2" in the latest RFI responses, regarding the coatings for the pre-engineered metal canopy. Is the intent of section 13122/Pre-Engineered Metal Canopy, is to have the primary and secondary structural metals arrive onsite with factory applied galvanizing, and then remove the galvanizing by abrasive blasting in the field, then re-coated per section 09900 Protective Coatings?
- R27. The Contractor may have primary and secondary metals galvanized and primed in the shop and coated in the field; or galvanized, primed, and coated in the shop and touched up in the field. The intent of the spec is not to strip the galvanization, but to strip the factory coat and apply a new coat per Section 09900 of the special provisions. Contractor shall adhere with Section 09900 for factory primer*

and coating compliance. The Contractor is responsible for compliance with fabrication, priming and finishing of the primary and secondary metals for the canopy.

Q28. On Page 32 the Bidder's Experience, Item B asks for "at least one project that involved landfill geomembrane installation written in the last ten (10) years." Why? This project doesn't have any landfill geomembrane liner, so why would this be a requirement to bid on this project?

R28. This project does not involve landfill geomembrane liner. Please disregard the 10 year experience requirement with landfill geomembrane installation on Page 32 of the Proposal Section.

Q29. Please confirm that using Surety's bid bond form is acceptable for Memorial Park Wastewater Treatment Facilities Improvement Project (Bid Date: 05/21/2019) to County of San Mateo.

R29. Yes. The Surety's bid bond form is acceptable for this project.

Q30. Spec section 13122, Pre-Engineered Metal Canopy specifies in Items 2.06 (Galvanizing), that the structure is to be hot-dip galvanized. However in Item 3.02 (Painting) line C requires that "The Contractor shall field sand blast (to remove shop coatings and prepare surface)" ...etc... Are we actually expected to field sand blast the canopy's galvanizing and any shop coatings?

R30. See Response R2. In addition, sand blasting the will not be required if:

- The contractor chooses to have the primary and secondary metals primed in the shop and coated in the field with an approved coating system per Section 09900, the finish coating must be applied within the allowable time for based on the primer.*
- The contractor chooses to have the primary and secondary metals primed and coated in the shop with an approved coating system per 09900. The finished coat will require touch up in the field.*

If the time window expires before finished coating is applied than the metals will need to be field sand blasted to remove the primer. The primer would need to be reapplied in this case.

Updated as of **May 17, 2019 at 4:00 P.M.**

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