



**PIMA COUNTY
PROCUREMENT DEPARTMENT
DESIGN AND CONSTRUCTION DIVISION**

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July 14, 2016

ADDENDUM NO. 02

PROJECT: IFB 207424 – CONTINENTAL RANCH REGIONAL PUMP STATION
REHABILITATION PROJECT No. 3CRS05

TO ALL CONTRACTORS:

Be advised of the additions, clarifications and/or changes to the above-referenced Invitation for Bid as stated in the following Addendum.

1. The *Bid Due Date and time Remain Thursday, July 28, 2016 at 2:00 p.m. as changed in IFB Addendum 1.*
2. *REPLACE:* Exhibit “B” Contractor Bid Sheet *WITH:* Addendum 2 Attachment 1 - (REVISED) Exhibit “B” Contractor Bid Sheet (17 pages). Note: Quantity changes for items 4.7 and 11.10. Submit only the REVISED Contractor Bid Sheet with bid.
3. *REPLACE:* Special Provisions Part 10 20 10 (Sound Attenuated Skid Mounted, Diesel Engine-Driven Back-Up Pumps) *WITH:* Addendum 2 Attachment 2 – Special Provisions Part 10 20 10 (REVISED) (11 pages).
4. County has received additional questions regarding this project and is providing the questions and their answers as clarification:
 - Q) The demo roof plan calls for the existing roofs to be coated, but the roof plan calls for new 20 year built-up roofs. Which is correct?
 - A) The keynote on the demo roof plan 1/A5 is correct. The built up roofs are to be cleaned and recoated per specification section 7.3, 7.3.1 and 7.3.2. Any roof patches should be installed per specification section 7.3.3.
 - Q) In the Special Provisions Par 01 10 00 Page 2 of 2 01 10 00.4 FMP Construction Sequencing the contractor is required to fully construct and make operational the new FMP facility prior to shutdown of the interior dry pit submersible pump station and the new FMP pump station will be used to bypass flows during the construction the interior pump station. Contractor is to allow the Owner’s operation staff to operate the pumps for 14 continuous days without failure to ensure proper training upon project completion. After the completion of the 14 days of training will the contractor be required to operate and maintain the FMP pump station during the construction of the interior pump station or will the owner be providing these services?

- A) After the FMP pump station has run for 14 continuous days with no issues in pumping or controls, RWRD will accept the FMP station and assume operation. RWRD will be responsible for normal maintenance (oil changes, etc.) and the warranty period will start at the time of acceptance.
- Q) On sheet M8 page 41 of 91 Section "C" "C" reference to keynote 146 and keynote 122. Will a T-Lock return back be required at both locations on the existing 36" RCP Pipe?
- A) Turn backs will be required at both ends of the existing pipe, T-lock shall be repaired per manufacturers recommendations.
- Q) Sheet E100 shows the site for 2 new pole lights to replace the existing ones. Can we install an underground pullbox next to the pole light location for splicing or will we need to remove the conductors all the way back to the panel and install new cables?
- A) These fixtures are to be provided power from a new 120 volt panel "LV2" (shown at the bottom center of drawing E106, see Keynote B on that sheet), therefore new conduit and wire will be required to be provided the new pole mounted fixtures from new panel "LV2". The addition of pullboxes (such as Pima County standard 3-1/2 box) as deemed necessary by the contractor is acceptable, but are not needed to tap existing circuits in this case
- Q) S2, note 22, infers only 1 new hatch and it is to be large enough to cover the curbs. M3 shows 5 covers and they are all 4'x4'. Please clarify.
- A) S2, note 22 refers to a portable equipment platform that is to be large enough to be installed over the top the existing curbs surrounding the 4' x 4' hatches (see detail 6 on sheet 32 (S13). Only one portable equipment platform shall be provided within this project.
- Q) M4 - demo pad on west end of the pump room - how thick is it?
- A) The pad on the west end of the pump room is approximately 6-inches thick. Additionally, the pad is approximately 3-feet (w) x 4-feet (l).
- Q) Notes 13,16/S2 deal with removing/resurfacing the existing walls in the upper wet room M04. No indication of ceiling height is provided. Please provide.
- A) The ceiling is approximately 18-feet above the top of the floor grates.
- Q) We are assuming the FMP station's scope of work (concrete/piping/sitework/etc.) is to be included in section 11, but do not see a bid item for it. What section/bid item is this work to be included within?
- A) Within the bid schedule, there is no one singular task item for each of the requested scopes of work. The work required for each scope (concrete/piping/site work, etc.) shall be included within their respective task numbers as per the descriptions provided within the second column.
- Q) Bid Form page 6, Section 9, item 9.3 refers to 1 each, davit crane. Sheet M7, note 12 calls out for 2 each, davit cranes. Please advise if the bid form will be modified accordingly, or if we should only bid 1 each for now.
- A) Note 12 on sheet M7 indicates that one davit crane shall be provided. Though only one davit crane is to be provided, there will be two davit crane bases provided (see detail 4 on sheet M13 and the wet well plan on sheet M7) . The davit crane shall be portable and able to be moved between the two provided bases. No modifications will be provided to the bid documents for this item.
- Q) Sheet SE05 (Security) shows symbols for "fixed" and "PTZ" cameras and the symbols look the same. Can we get a clarification on what is what?
- A) The "Fixed" CCTV camera locations are at CR-CC-01-01 (outside of main building door, west side) and at CR-CC-01-02 (within the card reader stanchion housing, outside the main vehicle gate). All other cameras are PTZ.
- Q) Can a flexed tier 3 engine be supplied? Final tier 4 is not required in AZ.
- A) A Tier 3 Flex Engine may be supplied as an approved equal assuming that it meets all other performance requirements.
- Q) Can fuel tanks be supplied that are not UL-142?
- A) Supplied fuel tanks must meet UL-142 requirements.
- Q) Can a secondary containment tank be supplied instead of double wall?
- A) A secondary containment tank will not be an acceptable alternative.

- Q) Will an auxiliary fuel tank be available on sight? Is a fuel tank capable of holding enough fuel for 24 hours required?
- A) No auxiliary fuel tank will be on site. The fuel tanks shall be capable of holding 24-hours' worth of fuel at the maximum rated flow.
- Q) This is a technically complex piping project, no process and Instrumentation diagram was located in the contract drawings, does one exist? If not can it one be provided?
- A) There are no process and instrumentation diagrams for this project. All controls information has been provided within the notes of the respective drawings, and most (if not all) are provided within the "E" drawings.
- Q) There do not seem to be specific division 1-17 specifications, are there plans to release any further specifications?
- A) The specifications within the plans and within the special provisions are the only specifications that are to be released for this project.
- Q) Is there a civil plan showing existing contour lines?
- A) The existing spot elevation on sheet C3 is the only existing site elevation information provided for this project.
- Q) What specification has the required details for the existing surge tank evaluation noted on sheet C1?
- A) There is no current specification provided for the surge tank. The repairs for the surge tank shall meet the following: The contractor shall be responsible for draining the tank and repairing all site glasses. Additionally, the contractor shall perform a mill thickness test for the tank walls to determine its condition. All results from the test must meet the standard tank specifications provided on the equipment ID tag currently located on the side of the tank. If the tank does not pass the mill thickness test and further repairs are needed, the scope and fee for those repairs will be determined at that time.
- Q) Bypass area bid Item 11.10 lists three (3 ea) 12" Dismantling Joints for, I can only locate 2 on drawing M8, is this a mistake?
- A) Only two 12-inch dismantling joints are to be provided within the bypass area. An updated bid schedule will be provided to with the correct quantity for this bid item.
- Q) Please confirm that the proposed contract for this project is based on the EJCDC contract contained in Appendix A, as amended in Exhibit D, and that this will take precedence over any language contained in the Pima County standard specifications.
- A) The EJCDC document is only part of the contract – it is the Standard General Conditions of the contract.

See Contract Article 20, Contract Documents, Section B, Order of Precedence for the hierarchy of contract documents.

Please be aware that Pima County Regional Wastewater Reclamation Department maintains and utilizes their own design standards and standard specifications:

- Pima County RWRD 2016 Engineering Design Standards
- Pima County RWRD 2016 Standard Specifications and Details for Construction

These documents are listed in the solicitation and draft contract as "Exhibit E" and are incorporated into the contract by reference.

- Q) Is any federal funding being used on this project?
- A) There is no Federal funding for this project.
- Q) What are peak flows to the existing 36" to size the temporary bypass operation?
- A) The peak wet weather flows for the existing 36-inch line shall be considered to be 4,000 gpm.
- Q) Please clarify if only the 2 exterior facing windows per the exterior elevations & window schedule are to be wire brushed and repainted, or if ALL window frames (including interior windows) are to be wire brushed and repainted as well.

- A) There are three interior windows on the ground floor. See attached PDF (named: Addendum 2 Attachment 3 - PDF of portion of 1-A2) for interior window locations. All window frames, interior and exterior, are to be wire brushed and repainted. Refer to sheet A8, section 9.2.B (Exterior and Interior Hollow Metal (Steel) Door and Frames, Ladder, Rolling Doors, Railings and Guardrails) for paint specifications for interior window frames.
- Q) In regard to the phasing diagram, is there any reason that work in the FMP area and also within the main pump station area couldn't be performed concurrently while a temporary bypass circumvents the entire plant?
- A) While work on the existing sewer pump station will be allowed during the construction of the FMP pump station, the work allowed shall not interfere with the operation of the existing pump station which includes all pumping capabilities. The contractor is required to submit a construction sequencing plan per special provision section 01 10 00, section 4, which shall be approved by RWRD and the engineer prior to construction of the main dry pit pumps.
- Q) Drawing A7 & A8 make reference to the stucco repair work to be done on the exterior of the pump station. Can you please define the limits of the exterior stucco & repainting work or provide us with a quantity on the bid from in order to keep all bidders quoting the same scope of work as the notes and limited access to roof and high areas were not accessible at the pre-bid and will be open to interpretation?
- A) Stucco repairs are associated with repair of cracked and damaged plaster only. Description of required repairs and general requirement for said repairs per sheet A8, section 9.3.2, 9.3.3 and 9.3.4 (Exterior Plaster) and 9.2.B (Paint Systems). It is the responsibility of the contractor to field verify the existing conditions and confirm the required effort to complete the work as described in the specifications and drawings.
- Q) Will .375 wall steel pipe be acceptable in lieu of the harder to find Sch. 40 steel pipe as shown in note 47 Sheet G1 2 of 91?
- A) 0.375" wall steel pipe thickness is acceptable in lieu of schedule 40.
- Q) Once the new FMP pump station is accepted by ADEQ and goes into operation so that phase 2 of the construction can take place who is to operate the pump station? Will PCRWRD be operating the pumps or will the contractor be required to man the pump station during Phase 2 construction?
- A) After the FMP pump station has run for 14 continuous days with no issues in pumping or controls, RWRD will accept the FMP station and assume operation. RWRD will be responsible for normal maintenance (oil changes, etc..) and the warranty period will start at the time of acceptance.
- Q) Dwg. E100, Keynote B says to provide pole base per detail 4/E2. Dwg. Detail4/E2 doesn't show a pole detail. Is detail 1 on dwg E100 the correct detail? If not, please provide pole detail.
- A) Detail 1 on Sheet E100 is the correct Detail.
- Q) The existing ABB VFD for Pump 4 has a dv/dt filter. Are dv/dt filters required for VFDs 1, 2 and 3?
- A) DV/DT filters are not specified and do not need to be provided.
- Q) Dwg. M8, detail 2 shows the wet well control schedule for the FMP Station. The schedule shows 3 floats and an ultrasonic but there are no specifications or locations shown in the plans. If these instruments are required for this project, please provide the specifications with the manufacturer, part number and the location where these instruments will be installed.
- A) This instrumentation is required for this project, and shall be installed per the manufacturer's requirements. As for the location of the ultrasonic level transducers within the wet well, each transducer shall be located within their respective nearby corner of the wet well. All manufacturer and part number requirements are provided within special provision section "10 20 10.4 Technical Specifications" (last paragraph).
- Q) Bid schedule item 4.7 says to recalibrate the existing 16" magnetic flow meter quantity of 2. I can find only one flow meter in the plans that is shown to be recalibrated on dwg E103. If the quantity of 2 is correct, where is the second flow meter located?
- A) Only one flow meter exists within this project. An updated bid schedule shall be provided with the updated quantity.

- Q) Dwg. E20, detail 2 shows a Flygt Mass 711 pump monitoring unit. Were these units included with the pumps when Pima County procured the pumps? If not, do we need to provide the pump monitoring unit only for VFDs 1, 2 and 3?
- A) All Flygt MASS 711 pump monitoring units were procured by Pima County along with the pumps.
- Q) We could not find what type of block this screen wall will be out of - plain smooth CMU or colored, or if it will be out of split face. Also, will this wall require that it have dry block in the block?
- A) The Architectural features of the block wall shall match the existing wall in both style and color. Dry block is not required.
- Q) Will a pump that automatically primes with the use of a 50 CFM diaphragm style vacuum pump be accepted rather than the use of the venturi compressor style called out for in the specification? The vacuum prime will prime approximately 3 times faster and have no carryover of pumped product.
- A) The use of a diaphragm style automatic vacuum priming pump will be acceptable for use in addition to the venture style compressor priming system.

NOTE: County has received additional questions that will be responded to via Addendum 3.

This addendum is a total of **34 pages** including attachment: Addendum 2, Attachment 1 - (REVISED) Exhibit "B" Contractor Bid Sheet (17 pages); Addendum 2 Attachment 2 – Special Provisions Part 10 20 10 (REVISED) (11 pages); Addendum 2 Attachment 3 – PDF of portion of 1-A2 (1 page).

Any questions regarding this addendum should be directed to keith.rogers@pima.gov or by fax to 520-770-4012.

Bidders must acknowledge receipt of this addendum on the bid form provided in the Bid Documents. Failure to do so may render the bid non-responsive.

Keith E. Rogers, CPPB
Contracts Officer