

Solicitation No. - N° de l'invitation EQ754-160944/A	Amd. No. - N° de la modif. 003	Buyer ID - Id de l'acheteur pwl012
Client Ref. No. - N° de réf. du client R.078218.001	File No. - N° du dossier PWL-5-38079	CCC No./N° CCC - FMS No/ N° VME

- Q1. Section 04 43 06 - Cut Stone, Item 2.1.1 Materials; Indicates new stone to be Quarzitic Sandstone. The existing stone is most likely limestone. Please clarify.
- A1. Cut Stone - As per the spec Section 04 43 06 Paragraph 2.1.1" ...must be Quartzitic Sandstone..."
- Q2. Drawing 107 makes reference to drawing 118 which is not a part of the drawing set. Please clarify.
- A2. See - Attachment 007 for missing drawing 118
- Q3. Will a list of attendees be issued from site visit?
- A3. See Attachment 005 on Buy and Sell
- Q4. Is it necessary to clean the trench?
- A4. As per Section 11 99 02 Paragraph 3.2 TRENCH, PIT CLEANING .1 Trenches (indoor and outdoor) to be cleaned of all pooled and superficial oil, grease, debris, etc.
- Q5. There seems to be a bit of contradiction with Div. 26 spec and Div. 11 spec. We seem to have in our spec the requirement to provide the electric motors for the Packaged Hydraulic Skid unit. Should the electric motors not be included with the Hydraulic pump skid? Also a Frame size is not specified for the motors how are we to quote?
- A5. The motor requirements for the hydraulic skid pumps are called out in Section 26 99 06. These will form part of the hydraulic skid and Components as called out in Section 11 99 07. The motor HP's and connection styles (frame sizes) must be confirmed by the hydraulics contractor to ensure the required flow rates and pressures are achieved.
- Q6. Shall the contractor supply the lock doors or will they be supplied by others?
- A6. Contractor to provide the lock doors reference Section 01 11 00 paragraph 1.3.16 and 1.3.17
- Q7. Is there any distance of approach to respect near the lock water passage for the use of a crane?
- A7. Contractor to submit proposed erection procedures which are to include methods and equipment to protect existing components and structures. (Section 05 12 10 Structural Steel Gates Paragraph 1.9.6)

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- Q8. Do the lower pivots of the upper gate has to be salvaged? Do we have to supply new bronze bushing and heel casting?
- A8. The upper gate pintles, heel castings and bearing plates to be salvaged and re-used. (Section 01 11 00 1.3.2.1.8, Section 02 41 21 1.1.2.4 & Drawing 119) bronze bushings to be supplied using same material as lower gates. (Note on Drawing 119 "Remove, salvage and reinstall pintle, heel casting and bearing plate only. All other hardware to be replaced")
- Q9. Do the new steel stoplogs has to be painted or galvanized?
- A9. No finish required on the steel stoplogs.
- Q10. For the components with the AISI 4340 specs requirements, can we propose an alternative? (For the quenched and tempered gudgeon bearings)
- A10. Specifications and drawings only allow AISI 4340 Alloy Steel for certain components.
- Q11. For the gudgeon bearing, the internal shop machining has to be 135mm and has to be 140mm on site. Do we have to do on site machining?
- A11. Contractor can do machining in the shop from field measurements taken after completing alignment boring in the field. (Section 05 11 10 Structural Steel Gates 3.7 & Drawings 115, 116 & 117)
- Q12. For the gudgeon pin, the external diameter has to be 150mm and the internal diameter of the bearing has to be 140mm. Do we have to assume that we will have to do a press fit assembly? (Heat the bearing to insert it into the gudgeon pin)
- A12. Contractor to shrink-fit gudgeon into gudgeon bearing. Carry out alignment boring in the field, measure final diameter, machine gudgeon pin to final diameter to give Class RC7 Free Running Fit, then freeze gudgeon pin with dry ice and immediately install in gudgeon bearing. (Section 05 11 10 Structural Steel Gates 3.7 & Drawings 115, 116 & 117)