The following is additional information regarding Invitation to Bid #SU0-15740 titled Tolt Dam – Fixed Cone Valve and Hydraulic Power Unit released on 11/06/2019. The due date and time for responses is 12/05/2019 3:00PM (Pacific). This addendum includes both questions from prospective proposers and the City’s answers and revisions to the ITB. This addendum is hereby made part of the ITB and therefore, the information contained herein shall be taken into consideration when preparing and submitting a bid.

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| Item # | Date Received | Date Answered | Vendor’s Question | City’s Answer | RFP Revisions |
| 1 | 11/07/2019 | 11/14/2019 | Specification Section 35 20 16 1.05 E. – Maximum Allowable Leakage…. 10 ounces per minute. Will City of Seattle consider setting Maximum Allowable Leakage at 19.2 ounces per minute in lieu of the specified 10 ounces per minute? FCV leakage rate has ALWAYS been 0.4 oz/inch/minute which equates to 19.2 ounces per minute for a 48” FCV. | Maximum allowable leakage is very important to SPU in order to be able to inspect the diversion and spillway conduits. Increasing the maximum allowable leakage will not be considered. |  |
| 2 | 11/07/2019 | 11/14/2019 | Specification Section 35 20 16 2.01 B. 3. – Seats. Specification Section 35 20 16deleting reference to EPDM (rubber or elastomeric)? Specification Section 35 20 16 2.01 G. 1. requires Sealing Surfaces to be stainless steel (Type 316L, Nitronic 60 or better - Specification Section 35 20 16 2.01 B. 3. | Material grades are provided in 2.01 B 3: stainless steel type 316L or Nitronic 60. An EPDM seal is specified to ensure maximum leakage specification is achieved.  Section 2.01 G provides details on how the sealing system is to be implemented. EPDM seal should be protected from damage due to flow per Section 2.01 C. |  |
| 3 | 11/07/2019 | 11/14/2019 | Specification Section 35 20 16 2.01 D.1. – “… corrosion/erosion allowance of at least 1/8 inch …”. Will City of Seattle consider deleting this in its entirety? 48” FCV is required to be 100% corrosion resistant stainless-steel construction. | Allowance of 1/8 inch on all water passage surfaces to account for erosion will be retained. |  |
| 4 | 11/07/2019 | 11/14/2019 | Specification Section 35 20 16 2.01 H. 2. – “... full-faced gasket.” Will City of Seattle consider deleting full-face gasket and replace with “O”-Ring seal in “O”-Ring groove in 48” FCV upstream connecting flange? We do not recommend mounting FCV’s EXCEPT on full metal to metal flange face connection. FCV’s are fully cantilevered from upstream connecting flange with no outboard support. There are other acceptable methods of protection against any galvanic corrosion potential besides flange isolation kits. | Electrical isolation of the fixed cone valve from the extension spool is required. Full-faced gasket with matching isolating sleeves and washers is envisioned. Full-faced gasket system is specified. O-ring seal without an isolation system is not permitted.  Proponent may provide technical details on the alternate proposal to achieve electrical isolation of the fixed cone valve from the extension spool for evaluation. |  |
| 5 | 11/07/2019 | 11/14/2019 | Specification Section 35 20 16 2.02 – Hydraulic Actuator. Will City of Seattle consider standard 3,000 psi rated Tie Rod cylinder construction in lieu of highly specialized “… heavy duty mill type construction.” specified? | Specialized construction is specified for the cylinders to achieve high longevity and reliability. Tie rod type cylinders construction is not acceptable. |  |
| 6 | 11/07/2019 | 11/14/2019 | Specification Section 35 20 16 3.01 F. 4. a. & c. – Inspection of Weldments. Will City of Seattle consider deleting requirement for Magnetic Particle Examination and replace with requirement for Liquid Dye Penetrant Examination? MT is used on ferrous (Iron & Steel) while PT is used on corrosion resistant stainless steel. | Liquid dye penetrant examination may only be used if the magnetic particle examination method does not work on the types of stainless steels used for the valve. Thorough cleanup of the residue from the liquid dye penetrant as some dyes are harmful to aquatic life (see Section 35 20 16 3.01 A.4). |  |
| 7 | 11/07/2019 | 11/14/2019 | Specification Section 35 20 16 3.01 G. – Protective Coatings – We request clarification.  Protective coatings ONLY applies to Specification Section 35 20 16 2.03 HYDRAULIC CONTROL SYSTEM. 48” FCV AND HYDRAULIC ACTUATOR are ALL 100% corrosion resistant stainless-steel construction AND are NOT RECOMMENDED to be coated. | Coatings are not required on the FCV and hydraulic actuator components fabricated from stainless steel per 35 20 16 3.01 G.6 c. |  |
| 8 | 11/07/2019 | 11/14/2019 | Plan Sheet S-203 – Please identify “free air” venting provision for 48” FCV. Contrary to the existing 48” Larner-Johnson Needle Valve, FCV’s require significant “free air” venting behind FCV discharge preferably in “close proximity” to end of FCV to prevent backsplash and “flashing”/” slapping” of discharge. Studies indicate this “free air” venting requirement is recommended to be 1-1/2 times nominal diameter of valve in FT squared or 1-1/2 x D2. It is not clear to us from the drawings. that provision for “free air” venting has been made. | See drawing S-204, Section B, S-205, Section D, S-210, and S-211 for the details of air venting. Tolt Dam is an existing facility with limited ability to provide fully “free air” venting as enlargement of the existing access hatch is not possible. Proponent is encouraged to evaluate the capacity of the proposed venting system for the specific case of air venting of the fixed cone valve at the Tolt Dam operating under design conditions provided in Section 1.05. |  |
| 9 | 11/07/2019 | 11/14/2019 | Plan Sheets S-204 & S-205 – Please provide ID of new stainless-steel liner. We normally recommend liner ID be 2-1/2 times nominal valve diameter … so, 10’-0”. | See drawing S-203, Section A. The liner is 111.5-inch internal diameter. |  |
| 10 | 11/12/2019 | 11/14/2019 | 2.03 A. 2. – Will protective covering be provided by others such as installing contractor? | Protective covering for the hydraulic control system as specified in Section 2.03 A 2 is to be designed and supplied by the proponent. |  |
| 11 | 11/14/2019 | **Answer Pending** | Section 35 20 16.1.05.10 states valve “System” shall be capable of being submerged to 100’ for 48 hours. Does this include the HPU? Does this include electrical control circuitry such as the control cabinet? |  |  |
| 12 | 11/14/2019 | **Answer Pending** | Section 35 20 16.2.01.H is not clear. Is the valve supplier to supply the gasket, isolating sleeves, and washer while the installation contractor will supply the bolts/studs and nuts? Drawing S-207 conflicts, indicates only that the isolating gasket is supplied by the Valve Contractor. |  |  |
| 13 | 11/14/2019 | **Answer Pending** | Please clarify if the Valve Contractor or Installation Contractor is responsible for supply of the outlet liner, extension spool, spare flange, pipe, and anchorage. If Valve Contractor is responsible, please provide detailed requirements. |  |  |
| 14 | 11/14/2019 | **Answer Pending** | Section 35 20 16.2.02.B.4 appears to be an error – the paragraph ends in a partial sentence. |  |  |
| 15 | 11/14/2019 | **Answer Pending** | Section 35 20 16.2.03.E.6 states that all components to provide a complete system “shall be provided”. In several places elsewhere it states the installation contractor is to provide piping between the HPU and valve. Is the intention that the valve contractor will supply all components between the HPU and valve including isolation valves, high/low point release valves, and all other product EXCLUDING piping? For example, is the valve contractor responsible for supplying hydraulic piping anchors and fittings such as elbows used for the piping between the HPU and valve? |  |  |
| 16 | 11/14/2019 | **Answer Pending** | May the local control cabinet and motor control cabinet be combined into one enclosure if deemed necessary/possible? |  |  |
| 17 | 11/14/2019 | **Answer Pending** | Referring to Section 35 20 16.2.03.G.11., states that cables to external devices shall be provided by “contractor”. Is the contractor being referenced the valve contractor or the installation contractor? |  |  |
| 18 | 11/14/2019 | **Answer Pending** | Regarding inspection, witness testing, and other visits by Owner to the Valve contractor’s facility – who is responsible for travel costs? |  |  |
| 19 | 11/14/2019 | **Answer Pending** | For the shell testing in 35 20 16.3.03.B.2 may special accommodations be made during testing to overcome/eliminate the allowable seat leakage during the valve body pressure test or is leakage past the seat is allowed during the 60-minute hydrostatic shell test? |  |  |
| 20 | 11/14/2019 | **Answer Pending** | Referring to Section 35 20 16.3.04.3 & 4, Is it required that the Valve Contractor provide personnel to be permanently on site during installation by the Installation Contractor or is it suitable for the Valve Contractor to provide site visits as deemed necessary and other written and verbal guidance to the Installation Contractor? |  |  |
| 21 | 11/14/2019 | **Answer Pending** | Specifications and ITB do not clearly address payment schedule; Is final acceptance and warranty commencement upon delivery/pickup of valve or upon installation and testing by Installation Contractor? During the pre-bid meeting it was stated after installation however this is not stated in the contract documents and the Contract terms #3 state the term of the contract expires 60 days after delivery of goods. |  |  |
| 22 | 11/14/2019 | **Answer Pending** | Regarding the Installation Contract, when is the ITB for this service expected to be publicly posted, what is the estimated award date, and the estimated duration of that contract? |  |  |
| 23 | 11/14/2019 | **Answer Pending** | The ITB and specifications outline that the City “has the right to” pick up the Valve at the local warehouse, but do not require it. The ITB and bid sheet only addresses that the Bidder is responsible for shipping and delivery to the local warehouse. Please clarify if the City will be responsible for all shipping and delivery charges from the local warehouse if they request delivery by means other than pickup or fail to release and pick up the valve before the duration of the 24 months storage term expires. |  |  |
| 24 | 11/14/2019 | **Answer Pending** | Please address what will happen if the City fails to release and pick up the valve from the local warehouse after the duration of the 24 months storage term. |  |  |
| 25 | 11/14/2019 | **Answer Pending** | It appears that all product delivery and installation assistance services have an address in Duvall, WA that appears to be outside of any city limits in an unincorporated portion of King County, WA. Please confirm that no deliveries or installation assistance services are required within the statutory city limits of Seattle, and therefore a business license in the City of Seattle is not necessary. |  |  |