October 14, 2016 Letter No. 01

DTFAWN-16-R-01856 – Major Mechanical Modernization, Oakland ZLA

Attn: Deana Galloway, Contracting Officer

DOT/Federal Aviation Administration

Western-Pacific Region

Acquisition Management Branch, AAQ-530

**Project: DTFAWN-16-R-01856 – Major Mechanical Modernization, Oakland ZLA**

RE: Questions

Dear Deana Galloway:

Below are the questions from our firm:

1. In section I 3.2.2.3-71 it indicates “begin work under this contract within by Aug 1, 2017, the date you will receive the notice to proceed.” Will this project not start until August next year?

Base bid on contract documents

1. Can Site Superintendent, Safety Manager or QC Manager perform multiple roles for this project or are we required to have 3 different people on site for this work?

Base bid on contract documents. See spec section 01 31 00 1.5A

1. With questions due on the 17th and the bid date set for the 21st, We will need the bid date to be extended in order to get the responses to questions back and then get those to our subs to address the responses. We would like 1 week from the response date.

Base bid on contract documents

1. Will it be allowable for the site superintendent to also carry the roles of quality control manager and safety and health officer?

Base bid on contract documents. See spec section 01 31 00 1.5A

1. Please provide contact information for the facility Security Contractor.

See Spec 08 71 00 1.1 C.1

1. Please provide contact information for the facility Fire Alarm Contractor.

Refer to Pre-bid Jobwalk Attendees List

1. Please provide contact information of the control contractor.

Refer to Pre-bid Jobwalk Attendees List

1. During the abatement work it is understood that the contractor will only be responsible for personnel air monitoring and the FAA will provide Area Monitoring. Please confirm.

Base bid on contract documents. See spec section 02 82 00 3.9 A. and B.

1. Fireproofing called out on A202 note 9 says “infill shall require a firestop engineering judgement/ firestop custom detail by a fire protection engineer”. Will a UL numbered system for service penetrations be accepted for applicable penetrations?

Base bid on callout and referenced note

1. On sheet A204 with details on A703 framing and roofing details are given. Please clarify the scope of what needs to be framed and what needs to be roofed as the drawings are unclear on this work. Numbers are called out but it does not indicate if this is new or existing.

Base bid on contract documents. See drawing A114 for demolition requirements

1. Sheet A701 note 5 indicates acoustical wall panels. Are these to be new? Removed and replaced? Or Nothing??? Please clarify

Sound acoustical panel is new on Sheet A701, note 5 (room B120).

1. Sheet A 202 - Does the exterior wall of room B134 get replaced?? Note 7 indicates wall panel which I don’t know if it is new or not but no wall type is indicated here either. Please clarify.

Drawing A112, Sheetnote 8 removes existing sound absorbing panels. Drawings A202, sheetnote 7 installs new sound absorbing panels

1. Section 323113 – This section indicates gate operators and other items that appear to be permanent fencing. However, I am unable to find permeant fencing in the plans. Is there permanent fencing on this project?

Base bid on contract documents. See M005, note 9

1. On sheet A202 note 14 (rooms B120 & B120C) calls out a transition strip but nothing indicates what the finish is on either side of the transition. Please clarify

See drawing A802. Vinyl, composition floor tile and carpet tile

1. We have a spec for epoxy flooring but it is not called out on the finish schedule. Should this spec be removed?

See drawing A201, sheet note 3

1. I’m taking a look over the FAA Oakland project to do a proposal for signage, and I’m finding in the specs a description for field-applied vinyl signage, but I’m not finding dimensions, quantities, etc. I looked through the drawings and didn’t see anything there either. Please clarify.

Base bid on contract documents

1. Relating to the deductive alternate, shall the contractor include performing the Ultrasonic testing of the existing 12inWater Mains or is this going to be facilitated by the FAA?

See spec section 01 11 00 1.3A

1. Sheet A112 note 10 states “Temporarily relocate furniture to allow for the work to the automation wing basement and first floor. Coord w/ COR exact location.” To accurately estimate this we need the location for storage of these items. Further, these items must be removed from the work area to prevent damage and to allow the work to progress appropriately. Further, is there any COMM/Automation spare parts and supplies in these areas that they will not allow to be relocated and that they need to maintain access to?

Comment and ref drawing/note are in error. Sheet A112 note 10 states “ Existing Sensitive Operation Equipment to remain….”.

1. Specifications appear to require a Harmonic Analysis Study of the VFD's prior to approval and shipment to the project (paragraph 1.5-E). However, section 3.2 seems to refer to an analysis to be done post installation. Which is the appropriate interpretation of the spec intent? If the study is to be done pre-installation, the manufacturer requires certain information about the existing electrical equipment parameters from the Owner/Owner Rep.

Harmonic Analysis indicated in specification section 26 29 23-3.2, E0104 Sheet note 1, E105 sheet note 2, is a calculation analysis (not physical metering of the equipment after installation ) and is to be provided by the selected VFD vendor prior to approval and shipment of all VFDs to the project to ensure that harmonics levels of the systems will be below the required levels based on actual VFDs and filters selected for installation. Refer to specifcation section 26 29 23 2.3 for line conditioning and filtering requirements

1. Fireproofing called out on A202 note 9 says “infill shall require a firestop engineering judgement/ firestop custom detail by a fire protection engineer”. Will a UL numbered system for service penetrations be accepted for applicable penetrations?

Repeat comment see previous response

1. Sheet A112 note 10 states “Temporarily relocate furniture to allow for the work to the automation wing basement and first floor. Coord w/ COR exact location.” To accurately estimate this we need the location for storage of these items. Further, these items must be removed from the work area to prevent damage and to allow the work to progress appropriately. Further, is there any COMM/Automation spare parts and supplies in these areas that they will not allow to be relocated and that they need to maintain access to?

Repeat comment see previous response

1. The plans and specifications call out a Class II system. The system we will install on the temp equipment will meet this and UL 96 & 96a. For the permanent system on the new equipment do you want pointed terminals? Current UL calls for blunt. Further, Class II allows for aluminum conductors and mechanical connections, does the FAA want tinned copper and CAD welded connections?

See spec section 26 41 13

1. Sheet M005 Note 14 says to insulate and heat trace pumps and piping. Please confirm we are to insulate temporary condenser water piping.

Temporary condenser water pumps and piping shall not be insulated or heat traced

1. Sheet m201 note #7 states to replace the refrigerant purge unit on existing chillers to remain. Please provide the make and model of the existing chillers to remain. This is needed to provide pricing.

Drawing # M201 note #7 states “provide new control wiring associated with condenser water system reuse….”

1. Sheet m201 note #16 states to provide a control panel with bacnet communication interface for the existing chillers to remain. Please provide the make and model of the existing chillers to Remain. This is needed to provide pricing on factory bacnet module.

There is no sheet note #16 on drawing in M201.

1. Specification section 23 21 13-8, 3.1, h calls for 304l schedule 20 stainless steel for

Condensate drains. Is copper type l acceptable for this application?

Schedule 40 stainless steel piping may only be used if threaded connections are used. Otherwise condensate piping shall be scheduled 10 welded stainless steel. Alternate: Type L Copper with wrought copper fittings and soldered or brazed joints**.**

1. Sheet m202 note #9 states to provide a toxic and combustible gas detector for monitoring carbon monoxide and hydrocarbon gases. Please provide a specification for the make and model of what is required.

Drawing M202 Sheet note #9 states ”tie filter backwash to drain line in trench”

1. Sheet m202 note #17 states to provide a gas pressure sensor. Please provide a specification for the make and model of what is required.

There is no sheet note #17 in Drawing M202

1. Specifications state that evapco and marley for the cooling towers. Is bac an acceptable Alternate?

Base bid on contract documents

1. Sheet m205 note #6 and #7 state to use schedule 10 stainless steel piping for the

condenser water and blow down piping. The specifications state that condenser water piping, aboveground, Nps 2-1/2” and larger states to use schedule 20 stainless steel. Please confirm what schedule pipe is to be used.

Notes referenced do not exist on drawing M205. Specification use of schedule 20 is incorrect. Use schedule 10

1. Spec section 23 07 19-3.18-b.1 the specified .024 stainless steel outdoor field applied jacket cannot be applied to the condenser water pipe insulation diameters exposed to weather at the towers. The manufacturer’s recommendation for the job diameters is .010 thick. Please advise if .010 stainless steel is acceptable or if the use of a comparable .024 gauge aluminum jacket is acceptable.

Specified jacketing shall be used

1. Spec section 23 07 19-3.17-d.1 is the specified pvc jacket that is color coded required or can the standard white colored pvc jacket be used on all systems specified?

Comply with specifications

1. Spec section 23 07 19-3.13 the following equipment is not listed in the schedule to insulate. Please advise if they are required, and if so, please provide the insulation type, thickness and method:

Chw pumps. Provide insulated box to match existing

Hhw pumps. No insulation is required

Temporary and new exposed to weather condenser water pumps- No insulation required

Chw heat exchanger. Provide factory insulation

1. Per Door Schedule Note 2 on sheet A 801, “Retain the FAA’s security system design

integration (SSDI) contractor to relocate and provide as required access control door hardware.” This applies to hardware groups 1, 2, 3, 15 & 16. It is not clear what new access control equipment will be required and what will be allowed to relocate. Please confirm whether access control apparatus for the hardware groups above shall be priced for all new equipment, relocate all existing equipment or price all new equipment as an alternate.

Note referenced states to relocate which means access control apparatus is existing.

1. Specification section 05 12 00 regarding Structural Steel Framing require the fabricator and the installer to be AISC Certified. The AISC certification for fabricators and installers is generally reserved for major structural steel projects i.e. high rises, major bridges etc.

Base bid on specifications

1. Specification sections 05 50 00 regarding Metal Fabrications & 05 51 13 Metal Pan Stairs allow AWS D1.1/D1.1M and AWS D1.3/D1.3M. Will fabricators and installers with qualifications under the AWS structural welding code be acceptable for work performed under this project? All work will conform to the AISC code per note E1 under Structural General Notes on sheet S001.

Base bid on specifications

1. Will it be allowable for the site superintendent to also carry the roles of quality control manager and safety and health officer?

Repeat question, see previous response

1. Specification section 23 21 13-8, 3.1, h calls for 304l schedule 20 stainless steel for condensate drains. Is copper type l acceptable for this application?

Repeat comment. See previous response

1. Please confirm that all the construction materials are to follow the buy american act.

Refer to Contract Solicitation and FAA contract clause 3.6.4-3, Buy American Act-Construction Materials (Oct 2014). Exception - None

1. Spec Section 23 31 13 Metal Ducts Part 3 Execution. 3.8 DUCT CLEANING A. Clean duct system(s) before testing, adjusting and balancing. There are no notes on the drawings to clean the duct work. Please clarify what duct system and which portion of each system is to be cleaned.

New ductwork shall be cleaned. Existing ductwork on which new work is performed shall be cleaned

Thank you for your time and I look forward to hearing from you.

Sincerely,

John Stalder, Sr. Estimator

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