

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 2

FOR

MAUNA KEA MAINTENANCE BASEYARD

STATE PROJECT NO. 200A-01-10

June 1, 2018

The following amendments shall be made to the Bid Documents:

A. DRAWINGS

The following Drawing Nos. shall be revised by description or notes. No drawings are attached.

1) Sheet MA1.4, EQUIPMENT SCHEDULE, Replace the entire description for Mark No P-1 and replace with the following:

"ENGINEERED PACKAGED DUPLEX VARIABLE SPEED DOMESTIC WATER BOOSTER PUMP, 20 GPM AT 50 PSI BOOST, GRUNDFOS SERIES CR, MODEL CR 3-7, CAST IRON, SS FITTED, MECHANICAL SEAL, VERTICAL MULTISTAGE PUMP COUPLED TO A 1.5 HP, 3600 RPM, 460/3/60, TEFC PREMIUM EFFICIENT MOTOR, NON-SLAM CHECK VALVE, ISOLATION LUG STYLE BUTTERFLY VALVE, PRESSURE GAUGES WITH ISOLATION VALVES, NON-ELECTRIC COMBINATION TEMPERATURE PROBE/PURGE ASSEMBLY, UL LISTED NEMA 1 POWER AND CONTROL PANEL, SS SUCTION AND DISCHARGE PIPING, 4.4 150# NON-ASME TANK SKID MOUNTED, NSF-61/NSF 372 COMPLIANT SYSTEM AND OUTDOOR ENCLOSURE.

TIGERFLOW SERIES VMD-4000-MB-VFD, TIGERCUB MODEL SVMV-1.5GF-S3-S2-VM-P-VFD, UL/C-UL LISTED OR APPROVED EQUAL"

2) Sheet M0.1, AIR COMPRESSOR AND RECEIVER SCHEDULE. Replace the entire description and replace with the following:

"80 GALLON ASME VERTICAL AIR RECEIVER WITH AUTO DRAIN, 2-STAGE AIR COMPRESSOR RATED FOR 16.8 CFM AT 175 PSI, 5 HP, 230/1/60 ODP MOTOR, LOW OIL LEVEL SWITCH, AIR COOLED AFTER COOLER, E-SERIES STARTER, INGERSOLL RAND MODEL 2475N5-P (TOTALLY PACKAGED) OR APPROVED EQUAL"

The following is provided for information:

B. RESPONSES TO QUESTIONS BROUGHT UP AT THE PRE-BID MEETING.

1. QUESTION: Discrepancy on structural design
 - a. Specified roof and wall panel spacing installation detail may not sustain design wind load of 120 mph with 1.55 topographical factor. Surelock snap may not hold and panels should be screwed in instead
 - b. Verify design wind load is prudent. 2006 IBC wind load is 105 mph with topographical factor of 1.5.

REPLY: We confirm that the basic wind speed of 120 mph with 1.55 topographical factor is required. Contractor shall provide wall and roof panels, installation clips and other required material to meet this criteria.

2. QUESTION: Discrepancy of downspouts for water catchment. Mechanical sheets show downspouts only on one side of the building but Architecture sheets show on both front and back of the building

REPLY: Follow mechanical drawings for rear of building. Provide continuous downspouts down to splash blocks at front of building (total for 6.)

3. QUESTION: Clarification if what is specified for Fall Protection is meant for the tether position or single point one man.

REPLY: For single man attachment. Provide (10) anchors for Shop Building and (3) each for Fuel Pump and Fuel Tank roofs.

4. QUESTION: Sheet 139- PV Panel listed does not exist or is not shown on line drawing. Clarification if PV panel needed.

REPLY: PV Panel is no longer needed. Please provide power to inverters from Panel "A" per one-line diagram sheet E2.1

5. QUESTION: Sheet 137- Parking lot light pole detail refers to structural plan but is not included in the structural plans.

REPLY: See attached Exhibit 1 for Pole Base detail.

6. QUESTION: Sheet 127- Light pole within hazardous radius of Fuel Pump. Can it be moved outside of the hazardous zone or provide detail of how to install safely.

REPLY: Per NEC Table 514.3(B)(2), the extent of the hazardous area is 18" above ground and 20' horizontally from the edge of the dispenser. The parking lot pole detail shown on A/E2.7 shows a concrete base of 3'-0". Based on our

interpretation of the NEC code, the connection to the luminaire is outside of the hazardous area.

7. QUESTION: Sheet 127- Schedule calls for NEMA 4x but on the one-line drawing on sheet 131 shows NEMA 7, clarification on which is correct.

REPLY: Please use NEMA 4X SS

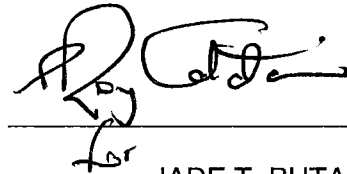
8. QUESTION: Sheet 135- Typical PV roof mounting detail calls for stainless steel but industry standards use Aluminum racks. Request substitution.

REPLY: Aluminum racks are acceptable.

9. QUESTION: Will or can there be some variation to the size of windows placement and size may depend on the type paneling of structures.

REPLY: Window placement can vary slightly to accommodate pre-engineered metal building standard wall panel and support locations.

Please acknowledge receipt of this Addendum No. 2 by recording the date of its receipt in the space provided on page P-4 of the Proposal.

A handwritten signature in black ink, appearing to read 'Jade T. Butay', is written over a horizontal line.

JADE T. BUTAY
Director of Transportation

EXHIBIT 1
POLE BASE
DETAIL

