Q. Do Davis Bacon Wages, Buy American Act compliance, and/or FAR apply to this contract?
A. No, none of the three apply.

Q. Are bidders required to submit the bond during time of bid for this project?
A. The bid bond must be submitted as part of the bid package. Both performance and payment bonds will be required of the selected bidder prior to commencing work.

Q. Would the bond(s) be returned to the Contractor at the time of project completion?
A. Yes, bonds would be returned after project completion, usually within 30 days.

Q. Please clarify that the Performance Bond (100% of contract price) and Payment Bond (100% of contract price) are two separate requirements, totaling 200% of the contract price.
A. That is correct.

Q. What are the insurance requirements for this project?
A. Insurance requirements are detailed in the sample contract (PVA-03).

Q. Can you post the list of attendees from the Pre-Bid site visit?
A. Yes. It will be posted here.

Q. The conductors are called out as THWN-2, however I can only find thwn-2 listed to 600v. The open circuit voltage of the DC arrays will be over 600v. I understand the inverters dc input window goes up to 1000v but I am worried that going over 600v could be a problem because most off-the-shelf listed equipment is only good up to 600v. Will the county be ok going over 600v with the EE blessing? Or we can run 1000v PV double insulated wire all the way to inverters or change the string sizing to keep voltages below 600V?
A. The THWN-2 is for the AC wiring up to 600 volts. DC wiring shall be Photovoltaic Wire 1000 volt, annealed copper, XLPE insulation, -40 degree C. to 90 degree C. Due to possible increase in conductor diameter, conduit size between WW-A and WW-B to each Combiner/DC Disconnect enclosure shall be minimum two 1-inch conduits each,
and conduits from WW-A and WW-B to JBX's on roof shall be minimum 1-inch conduits, 12 total. Conduit sizes shall be adjusted by Contractor to match final diameter of the 1000 volt conductors used to meet conduit fill requirements of the NEC.

Q. Can the panel setbacks and panel efficiency requirements change at all?
A. Panel setback other than a few inches is not allowed. Substitutions of alternative equivalent hardware is allowed with approval of engineer. We require a minimum of 20.1% panel efficiency. No specific manufacturer is required or recommended, as long as the minimum specifications are met.

Q. Have the issues with the email address been resolved?
A. The issues are being addressed. However, to ensure effective communication, please submit required documents (notice of intent, bids, etc.) and additional questions or other issues to Karen Godzyk at Kgodzyk@aura-astronomy.org.

Q. What is the best source of weather information for the summit?
A. http://www.gemini.edu/sciops/telescopes-and-sites/weather/mauna-kea

Q. What is Gemini’s policy for evacuating the summit due to high winds?
A. Gemini staff will evacuate the summit or stay off the summit when either:
   - The sustained wind speed are 29 m/s (65 mph, 56 knots).
   - The wind gust is 34m/s or above (75mph, 65knot).
   - If there's a lightning storm.
   - Roads begin to ice, or the rangers close the road to all vehicles

Q. Can you described the design of the interior wall of the Exhaust Tunnel where we need to run conduit?
A. The wall is constructed as shown in Detail 10 – Partition Type J. Please note, the 3/8" CDX plywood is NOT on the Exhaust Tunnel side of the wall. It's on the Plant Room side of the wall contrary to that mentioned during the Site Visit.
PARTITION TYPE J

SCALE 3/4" = 1'-0"

FLOOR SLAB OR ROOF ABOVE
METAL FLUTE BLOCKING
FILL VODS W/ FIBERGLASS SOUND BATTs
RUNNER TRACK – SECURE TO FLOOR OR ROOF SEE DTL 5/A30 & 9/A30 FOR ATTACHMENT TO STEEL DECK
C6x8.2 CHANNEL TRACK
6" 20 GA STEEL TRACK
C6x8.2 CHANNEL TRACK
FAN ROOM SIDE

3 5/8" METAL STUDS AT 16" O.C.
C6x8.2 CHANNEL TRACK
RUNNER TRACK – SECURE TO FLOOR

1/2" x 3" EXPANSION BOLT @ 48" O.C. AND AT DOOR JAMBS AND END OF WALL

PARTITION TYPES AND DETAILS

Drawing Number 86-M3-12A1-0027

Revisions

Sheet Number A27

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