STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 3

FOR

MAUNA KEA MAINTENANCE BASEYARD

STATE PROJECT NO. 200A-01-10

June 5, 2018

The following amendments shall be made to the Bid Documents:

A. NOTICE TO BIDDERS

Prospective bidders are hereby notified that the receiving of sealed bids, scheduled for 2:00 P.M., June 15, 2018 is HEREBY POSTPONED until 2:00 P.M., June 21, 2018. The attached Notice to Bidders shall be incorporated and made a part of the original Notice to Bidders.

B. QUESTIONS FROM BIDDERS.

The following questions were received in written form concerning clarifications to the contract documents.

1. QUESTION: On Sheet SO.2 under concrete, Item 4 lists maximum water content at 0.42 for what we are assuming is all concrete. Item 5 lists 0.50 max for all walks and SOG's and 0.45 for suspended slabs. So we would like to know, is it maximum 0.42 period? Or is it the maximums listed in item 5?

   REPLY: The following are clarification for concrete W/C ratio:
   Item 4: W/c Ratio = 0.42 typical, unless noted otherwise.
   Item 5: In lieu of the more restricted w/c in item 4, contractor can use the following w/c ratio:
   For slab-on-grade & walkway: W/c Ratio = 0.45
   For concrete topping (fill): W/c ratio = 0.50

2. QUESTION: General Notes on plan sheet S0.2, for Pre-Engineered Building; Item 6, indicates a Lateral Deflection of H/140.
   MBMA manufacturer's standard deflection are:
   Frame Vertically Supporting Metal Roof Purlins and Panels = V/180
   Frame Laterally Supporting Metal Wall Girts and Panels = H/60

Purlins Supporting Metal Roof Panels = V/180
Girts Supporting Metal Wall Panels = H/90
Except for increased Lateral Deflection, please confirm all other MBMA Standard Deflections are acceptable.

REPLY: Use Lateral deflection H/140 per Structural Drawings. Use all other deflections per MBMA standard.

3. QUESTION: There are no roof collateral loads indicated on plans or specs. Please confirm the following roof collateral loads are acceptable - 1# lighting, 1# mechanical/plumbing, #5 PV = 7# Total

   REPLY: Confirmed.

4. QUESTION: General Notes on plan sheet S0.1 Wind Loads indicates a Basic Wind Speed of 120 MPH and a Topographic Factor (Kzt) of 1.55. County of Hawaii is 2006 IBC, and Basic Wind Speed of 105 MPH. Estimated velocity pressure with wind at 120 mph and Kzt of 1.55 is in excess of 44 PSF. Please confirm wind speed of 105 mph and Kzt of 1.55, is acceptable.

   REPLY: Use 120 MPH and Kzt 1.55 per Hawaii Wind Design Amendments to the International code 2006 Edition. (See attached excerpts from Guide to the Wind Design Provisions of the Hawaii State Building Code.)

5. QUESTION: Spec section 661.08; B indicates a 12" panel coverage. Our building manufacture provides two (2) standing seam structural roof panels at 16" coverage and 24" coverage, capable of withstanding design wind loads for this project. We have attached manufacturers' specs on both panels. Please confirm if either panel is acceptable.

   REPLY: Structurally acceptable. Aesthetically architect prefers 16" over 24" profile.

6. QUESTION: We are able to provide windows manufactures windows that will be equal to performance specifications in Spec Section 666.06 (A). Please see attached drawings for window installation. The windows will need to be at 1' modules and needs to start and end at the wall panel major corrugation. Please confirm the reduced sizing and location modularity is acceptable.

   REPLY: Standard manufacturer's window sizes will be acceptable.

7. QUESTION: Spec Section 661.15, indicates "Foil Bubble Wrap Insulation". Would you consider 3" fiberglass blanket insulation with WMP-50 facing as an alternate? We have attached manufacturers information.

   REPLY: Provide as specified.

8. QUESTION: Shop Building Cross Sections on plan sheet AA2.2, indicate roof insulation at bottom of purlins. Please confirm roof insulation should be at top of roof purlin. Note that if insulation is placed at bottom of purlins, access to fasten mechanical, plumbing and electrical apparatus will be difficult to install, a frame for skylights will be required and excess moisture will be present within the purlin space that can cause rusting at the bottom of the roof panels.

   REPLY: Drape insulation above purlins.

9. QUESTION: There is a discrepancy on width of sidewall overhangs. Shop Building Cross Section on plan sheet AA2.2 indicates 6'-8" overhang. Roof Framing Plan on plan sheet SA1.3 indicates 5'-0" overhang. Please confirm overhang to 5'-0" per SA1.3.

   REPLY: Confirmed. Overhang is 5'-0".

10. QUESTION: Endwall roof overhang not indicated on Architectural drawings. Please confirm endwall overhang to be 2'-0" per SA1.3.

    REPLY: Confirmed. Endwall overhang is 2'-0".

11. QUESTION: No size or specs provided for generator wall louver. Please provide location, size and specs.

    REPLY: All louvers shall be anodized aluminum. Provide 6 sf free area for Radiator Exhaust Louver (stormproof type similar to detail B/AD1.2 with bird screen.) Provide 6 sf free area Combustion Air Intake Louver at opposite wall (with 1-hr fire damper.) Location already shown on sheet MA2.2.

12. QUESTION: Per Spec Section 661.07 (A), in line 3, reads "...tapered flange beams and parallel flange columns. Please confirm straight columns are required, with a maximum width of depth of 12".

    REPLY: Confirmed.

C. DRAWINGS

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

Sheet E1.2

1) Provide 1"C and pullstring from Oil/Water Separator at Wash Area to Oil/Water Monitoring Panel (sheet EA1.1) for telecom control wiring.
2) Provide 1"C and pullstring from each fuel tank (2 total) to Fuel Monitoring Panel (sheet EA1.1) for telecom control wiring. Provide boundary seals as necessary per NEC 514.9(B).

D. SUBSTITUTION REQUEST

The following items hereinafter listed are approved as equals to the previously specified items, provided all requirements of the contract documents are met.

Approval shall not in any circumstance be construed as an approval for deviation from the contract documents unless the entity seeking such approval has, in writing, specifically called the Architect's or the approving agency's attention to such deviation at the time of submission. Said entity and/or Contractor shall be responsible for the coordination of the work pertinent to affected materials, equipment, and labor to insure proper execution of the work as per the intent of the contract documents.

Company	Item	Approved Substitution
Lighting Science	Light Fixture Type D	Green Creative #11 SMDL6DIIM/940

Please acknowledge receipt of this Addendum No. 3 by recording the date of its receipt in the space provided on page P-4 of the Proposal.

for JADE T. BUTAY
Director of Transportation

NOTICE TO BIDDERS

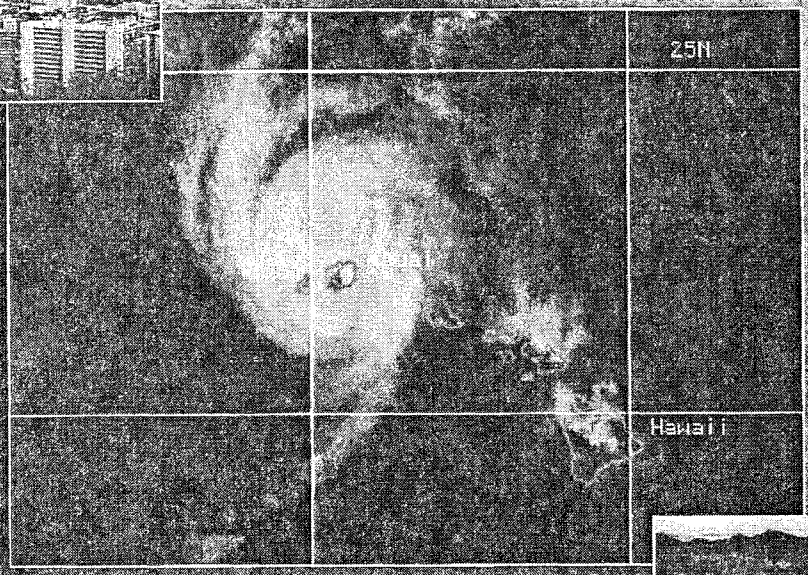
(Chapter 103D, HRS)

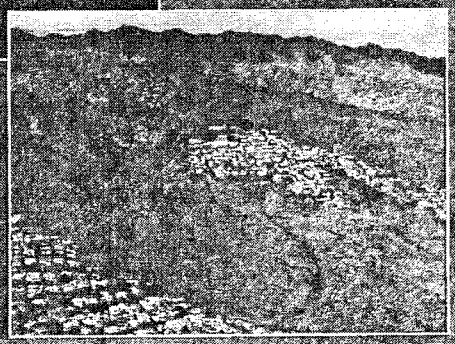
The receiving of SEALED BIDS for **MAUNA KEA MAINTENANCE BASEYARD, PROJECT NO. 200A-01-10, DISTRICT OF HAMAKUA, ISLAND OF HAWAII,** scheduled for 2:00 P.M., June 15, 2018 at the Contracts Office, Department of Transportation, 869 Punchbowl Street, Honolulu, Hawaii 96813 or at the Office of the District Engineer – Hawaii, 50 Makaala Street, Hilo, Hawaii 96720 is HEREBY POSTPONED until 2:00 p.m., Hawaii Standard Time (HST), June 21, 2018, at which time and places they will be publicly opened and read.

JADE T. BUTAY
Director of Transportation

Guide to the Wind Design Provisions of The Hawaii State Building Code

Significant Hawaii Wind Design Amendments to the International Building Code 2006 Edition & The Proposed State International Residential Code 2006 Edition





Gary Y.K. Chock, P.E.

MARTIN & CHOCK

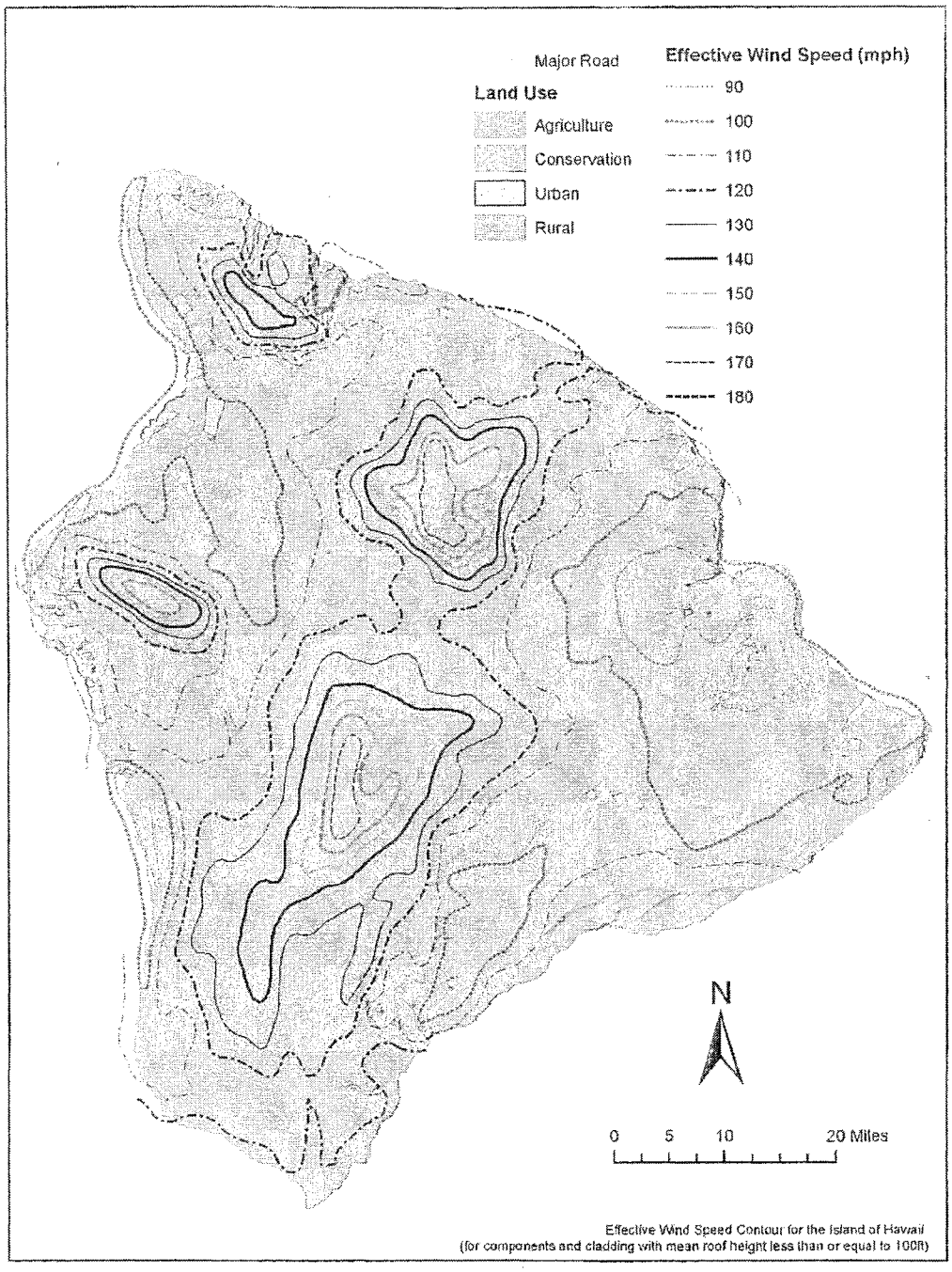


Figure R301.2 (9a) County of Hawaii Effective Basic Wind Speed, V_{eff}, for Components and Cladding for Buildings less than 100 ft. Tall

Effective Wind Speed Contour for the Island of Hawaii (C3)

(for components and cladding with mean roof height less than or equal to 100ft)