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STATE PROCUREMENT OFFICE
NOTICE OF AND REQUEST FOR EXEMPTION
FROM CHAPTER 103D, HRS

- 1. TO: Chief Procurement Officer
2. FROM: DBEDT/Office of Planning/Coastal Zone Management Program

Department/Division/Agency
Pursuant to §103D-102(b)(4), HRS, and Chapter 3-120, HAR, the Department requests a procurement exemption to purchase the following:

3. Description of goods, services or construction:
See attached sheet on: Development of a Design Guide to the State of Hawaii Wind Engineering Provisions.

Table with 2 columns: Vendor information (Name, Address) and Price (5. Price: \$80,000.00). Row 6: Term of Contract (From: 10/1/2009, To: 6/30/2010) and Prior Exemption Ref. No.

8. Explanation describing how procurement-by competitive means is either not practicable or not advantageous to the State:
See attached sheet on: Development of a Design Guide to the State of Hawaii Wind Engineering Provisions.

9. Details of the process or procedures to be followed in selecting the vendor to ensure maximum fair and open competition as practicable:
Not applicable based on Nos. 3 & 8, above. Thus, the exemption from Chapter 103D process is being followed, which includes public posting of this Notice and Request for Exemption, as well as review by the State Procurement Office and DBEDT, the contracting agency.

10. A description of the agency's internal controls and approval requirements for the exempted procurement:
The Office of Planning will enter into a contract with Martin & Chock, Inc., which will go through the review and approval process of DBEDT and the State Procurement Office. The Office of Planning will closely monitor the performance of Martin & Chock, Inc. through regularly scheduled meetings and careful review of work products.

REQUEST FOR EXEMPTION FROM CHAPTER 103D, HRS (Cont.)

12. A list of agency personnel, by position, who will be involved in the approval process and administration of the contract:		
Name	Position	Involvement in Process
Theodore Liu	Director	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Administration
Ken Kitamura	Administrative Services Officer	<input checked="" type="checkbox"/> Approval <input checked="" type="checkbox"/> Administration
Abbey Mayer	Director of Planning	<input checked="" type="checkbox"/> Approval <input checked="" type="checkbox"/> Administration
Mary Lou Kobayashi	Planning Program Administrator	<input checked="" type="checkbox"/> Approval <input checked="" type="checkbox"/> Administration
Douglas Tom	Planning Program Manager	<input checked="" type="checkbox"/> Approval <input checked="" type="checkbox"/> Administration
Ann Ogata-Deal	Planning & Policy Analyst	<input type="checkbox"/> Approval <input checked="" type="checkbox"/> Administration

13. Direct inquiries to:	Department: DBEDT Contact Name: Ann Ogata-Deal Phone Number: 808-587-2804 Fax Number: 808-587-2824
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Agency shall ensure adherence to applicable administrative and statutory requirements

14. *I certify that the information provided above is, to the best of my knowledge, true and correct.*



AUG 18 2009

Department Head

Date

Reserved for SPO Use Only
15. Date Notice Posted <u>8/20/09</u>
The Chief Procurement Officer is in the process of reviewing this request for exemption from Chapter 103D, HRS. Submit written objections to this notice to issue an exemption from Chapter 103D, HRS, within seven calendar days or as otherwise allowed from the above posted date to: <p align="center"> Chief Procurement Officer State Procurement Office P.O. Box 119 Honolulu, Hawaii 96810-0119 </p>
Chief Procurement Officer's comments:

16. **APPROVED** **DISAPPROVED** **NO ACTION REQUIRED**


11/20/09
 Chief Procurement Officer Date

Attachment to SPO 7

Request from DBEDT regarding development of a Design Guide for Wind Engineering

Answers to Nos. 3 and 8

3. Description of goods, services, or construction:

Contractor will develop a Design Guide to the State of Hawaii Wind Engineering Provisions. The Guide will include detailed maps and tables of the Hawaii wind parameters found in the Hawaii State Building Code, Appendix W, as adopted by the State Building Code Council of the State Department of Accounting and General Services. The maps and tables will be accompanied by clear and concise discussion of their technical derivation and design examples, as well as glazing protection examples. The Guide will be compatible with the 2003 through 2012 International Building Code and the ASCE-2005 and 2010 Minimum Design Loads for Buildings and Other Structures, while providing the technical guidance for use of the Hawaii-specific wind engineering requirements. ASCE 7-2010 is expected to wind speeds based on return interval and occupancy rather than importance factor, so the Guide will include an appendix on the corresponding effective velocity maps at each return interval compatible with the latest revisions to the standard applicable to the 2012 International Building Code. The Guide will include a chapter on design and construction provisions of Hawaii Residential Safe Rooms, as found in the Hawaii State Building Code, Appendix U, Section 422, Hawaii Residential Safe Room. The Guide will provide information on testing of basic wall assemblies to meet exterior wall debris impact and pressure requirements for new construction. Therefore, this project would include testing of wall panels representative of typical modern Hawaii single family home construction. The intent is to establish some pre-qualified wall assemblies for Hawaii residential safe room use that designers can use in applying the new Hawaii code. Tests would be conducted by the University of Hawaii College of Civil and Environmental Engineering. Specimens to be approximately eight-foot-high by four-foot wide wall specimens subjected to the windborne debris protocol of ASTM E1996. The Guide will be used as a comprehensive technical reference for architects, engineers, construction industry suppliers and contractors, and building officials. The Guide will be reviewed to ensure adherence to International Code technical writing standards.

8. Explanation describing how procurement by competitive means is either not practicable or not advantageous to the State:

Martin & Chock, Inc., the named vendor, developed the wind engineering provisions that will be the subject of the guide. These provisions are found in Appendices W and U of the State Building Code, as described in No. 3 of this Request for Exemption. Appendix W is based on a unique methodology developed by Martin & Chock that involves a specialized combined knowledge of structural engineering, wind engineering, and probability and statistical techniques used in risk analysis. The provisions of Appendix U were also developed by Martin & Chock, Inc. for the Insurance Division of the State Department of Commerce and Consumer Affairs, and approved by Hawaii State Civil Defense. Martin & Chock will direct the testing of

pre-qualified wall assemblies by the University of Hawaii College of Civil and Environmental Engineering. Martin & Chock will interpret the test results in the context of Appendix U. This interpretation will become part of the Design Guide. It is most advantageous for the State to contract with the party who developed the highly specialized and technical wind engineering provisions found in the Hawaii State Building Code. Martin & Chock, Inc. is uniquely qualified to prepare detailed and accurate guidance on the theory and application of the wind engineering standards.