

3. Cost Distribution and Engineers Report:

- Review currently available information previously provided to Arup on preparation of previous cost allocation by HKA
- Evaluate suitability of current allocation and confirm continued suitability or develop new allocation
- Prepare and submit Engineers Report (report will include percentage factors for each property, and assessment amounts if total assessment for Zones 1 and 2 are provided by the PDGHAD)

4. Annual Inspection of Seawall and Riverwall:

- Site visit to evaluate seawall and riverwall conditions, including photographic documentation of entire length of wall
- Prepare report of inspection findings

5. Emergency Services Engineer of Record, including:

- Site visits and inspection in response to potential damage or reported damage
- Emergency engineering site response to storm event
- Coordination with Granite Rock for emergency repairs
- Monitoring of the repair work

For the scope of services described above in items 1 through 4, our estimated fee is \$39,400, as it is shown in Table 1, which will be billed on a time-and-materials basis, consistent with the rates presented in Attachment A. Additionally, for item 5, Emergency Services Engineer of Record, since the extent of the work cannot be estimated, we propose to bill the costs for this task on a time-and-materials basis in accordance with the schedule of rates presented in Attachment A.

Table 1. Summary of Fees

Task		Subtotal
1	Santa Cruz County Planning Dept. Liaison	\$11,200
2	California Coastal Commission Liaison	\$7,100
3	Cost distribution and Engineers Report	\$11,000
4	Annual Inspection of Seawall	\$10,100
TOTAL:		\$39,400

3 Terms and Conditions

Our services are assumed to be under the terms and conditions presented in the contract for professional services between PDGHAD and Arup North America, Ltd., dated November 17, 2012. Please note that we have increased our rates to reflect our increased cost of business. The contract allows for rate adjustments every 12 months, but the rates have not changed since late 2012.

4 Authorization

Please sign and return a copy of this letter as authorization for Arup to proceed with this work.

ACKNOWLEDGED AND AUTHORIZED:

Pajaro Dunes GHAD

Arup North America, Ltd.

By: _____

By: _____

Date: _____

Date: _____

Name: _____

Name: _____

Title: _____

Title: _____

If you should have any questions regarding this authorization, please do not hesitate to contact the undersigned.

Yours sincerely,



R. Jeffrey Dunn, PhD, PE, GE, DGE
Principal

Attachment A – Billing Rates

Attachment A

Billing Rates

Name	Rate (\$/hour)
Principal – Grade 9	360
Associate Principal – Grade 8	260
Associate – Grade 7	225
Senior Engineer – Grade 6	210
Senior Engineer – Grade 5	185
Project Engineer – Grade 4	160
Engineer – Grade 3	150
Engineer – Grade 2	135
CADD Drafter	140
Administrative	135

Rates applicable through March 31, 2017