Noise Variance Consultation

Kalanianaʻole Highway Improvements Phase 1
Olomana Golf Course to Vicinity of Pō'alima Street

August 4, 2015, 6:00 – 8:00 pm Waimanalo Public and School Library
Hawaiʻi Department of Transportation
Highway Division
Purpose of Today’s Meeting

- Project History and Updates on Current Status
- Noise Variance Consultation

Phase I Project Limits
Project Schedule

Phase I: Olomana Golf Course to the vicinity of Pō‘alima Street
- Finalize Re-evaluation of the Environmental Assessment by August 2015
- Ready to Advertise by Summer 2015
- Begin Construction by Spring 2016
- Estimated Construction Completion by Spring 2017

OUR FOCUS TODAY IS ON THE NOISE VARIANCE

Future Phases II and III
- Phase II: Pō'alima Street to Aloiloi Street
- Phase III: Aloiloi Street to Waimānalo Beach Park (Huli Street)
- Anticipated Design Schedule: 2016 - 2019
Project History

- Seven Public Information Meetings held from 2001 and 2006
- Final Environmental Assessment (EA) approved in 2007
- The EA resulted in a “Finding of No Significant Impact”
Project Scope of Work (Phase 1)

- Install left turn lanes at Flamingo Road, Kumuhua Street, and Humuniki Street
- Reconstruct and or resurface highway pavement
- Paved shoulder for shared-use (bicycle, pedestrian)
- New concrete sidewalk on the mauka side of the highway
- Reconstruct curbs, ramps, and driveways

Current stairs and ramp at Jack in the Box on makai side of the Highway
• Install new striped medians and raised median
• Replace guardrails
• Drainage improvements
• Replace sign and pavement markings
• Relocate and replace utility poles
• Replace highway lighting system to LED shielded lights on utility poles
Noise Regulations

• HAR Title 11, Chapter 46 sets the rules and restrictions on sound levels for construction projects. It states:
  “No permit shall allow any construction activities which emit noise:
  • Monday thru Friday before 7 a.m. and after 6 p.m. of the same day
  • Saturday before 9 a.m. and after 6 p.m.
  • Sundays and on Holidays”

• A Noise Variance must be obtained for any construction activities to occur outside the permissible hours (i.e. after 6 p.m. weekdays).
 Proposed Noise Variance

• Noise Variance Application for Phase 1 construction submitted to DOH
  • Requested that work be allowed 24 hours, 7 days a week, except Sept 15 – Dec 15, for 1 year
  • We anticipate that most of the work will occur during the day, but night work maybe required
  • We will work with the Contractor to decide on the least impactful schedule
• As sound travels away from its source, it becomes quieter.
• More sound is received by an ear 10 feet from a source than at 20 feet from the source.
• For construction, noise decreases at a rate of 6 to 8 dBA each time the distance from the source doubles.
Noise Variance Consultation

Construction Equipment

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Noise level (dBA) at 50 feet</th>
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<tbody>
<tr>
<td>Truck</td>
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<td>Saw</td>
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<td>Light tower</td>
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<td>Cold planer</td>
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<td>Roller</td>
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<td>Striping machine</td>
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<td>Concrete truck</td>
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<td>Backhoe/loader</td>
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<td>Compressor</td>
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<tr>
<td>Generator</td>
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<td>Crane (movable)</td>
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<td>Jack hammer</td>
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<tr>
<td>Jumping jack</td>
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<td>Hoe ram</td>
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**Noise Abatement**

- All equipment with an exhaust of gas or air will be equipped with mufflers
- HDOT field personnel and the Contractor will monitor all equipment and construction activities on the job site
- Instructional meetings will be held for construction crews and truck drivers
- The Contractor will have a corrective action program
Public Comments and Questions

• Any comments regarding the proposed Noise Variance?
• Make comments here tonight or take home a comment form and mail it to us on or before September 15, 2015.

• Please be respectful to those speaking
• Please keep focused on the Noise Variance
• Any other project-related questions will be answered once we complete discussing the Noise Variance
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Mahalo

Thank you for your patience as HDOT works to improve our state highways