From: Spurgeon, Lawrence
To: Joe Ossi (FTA) (Joseph.Ossi@dot.gov)
CC: 'Miyamoto, Faith'; Hogan, Steven
Sent: 5/20/2010 4:35:51 PM
Subject: FW: Honolulu Noise Analysis

Aloha Joe,

The noise analysis was based on the design and location of the facilities. If you do not have the noise and vibration technical report that was done to support the EIS, you may download it from the project website at:

http://www.honolulutransit.org/library/files/noise%20and%20vibration.pdf

Page 5-13 discusses the assessment for the Maintenance and storage and traction-power facilities. The design has progressed since the technical report was completed.

The "Option 2" maintenance and storage site is the preferred option. The site is in an industrial zone (Figure 4-2 in the EIS). As noted, it is 700 feet from the nearest sensitive use. Only Category 3 sites are near the facility. While that distance is between the noise assessment screening distances for obstructed and unobstructed situations (650 and 1,000 feet), and the site is only partially obstructed, the combination of existing highway noise (65 dBA Leq at Leeward Community College), rolling topography, and that the nearest instructional building being the engineering trades building, which is the automotive technology garage area, lead us to the determination that there would be no impact.

For the traction power sub-stations, since completing the noise report, the TPSS have been designed to be fully enclosed. State noise regulations require stationary sources to meet a property-line maximum sound level of either 45 or 50 dBA at night. The TPSS buildings will be designed to meet this requirement. All TPSS will be inside of buildings. The greatest exterior noise will be air conditioning systems. All of the TPSS sites near residential areas are sited at major highways or arterials, where air-conditioning equipment noise will not be audible over background traffic noise.

From: Joseph.Ossi@dot.gov [mailto:Joseph.Ossi@dot.gov]
Sent: Wednesday, May 19, 2010 2:34 PM
To: Wolf, Steven (Orange)
Subject: Honolulu Noise Analysis

Steven:
I cannot find what noise analysis was done, if any, to decide that there are no noise impacts at the rail maintenance facility near the Leeward Community College. Was this issue simply dismissed or was there an analysis? Also what analysis determined that the traction power stations will not have any noise impacts?

Whatever information you can impart to enlighten us on noise questions would be greatly appreciated.
Thanks.
Joe Ossi
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(202) 366-1613

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