

MEMORANDUM

To: SFO Community Roundtable Ground Based Noise Committee Members
From: Justin W. Cook, Director
Date: 7/8/2021
Subject: Ground Based Noise (GBN) Report Recommended Next Steps
Reference: HMMH Project Number 312310

Harris Miller Miller & Hanson Inc. (HMMH) currently provides technical support services to the San Francisco International Airport/Community Roundtable (herein Roundtable). Within the latest Roundtable Annual Work Plan (adopted June 2, 2021), Goal #2 (Address Airport Operation Noise), it states the following work plan item:

The Roundtable Ground Based Noise Subcommittee will complete the Ground Based Noise Study and make a recommendation to the Membership on next steps.

To address Ground Based Noise (GBN) concerns from communities adjacent to San Francisco International Airport (SFO), the Roundtable established a GBN ad-hoc subcommittee¹. On January 19, 2021, HMMH delivered a report titled, "Ground Based Noise Modeling Study". In working with the Roundtable Coordinator, the following are considerations for the GBN ad-hoc subcommittee to consider for recommended next steps.

- Respond to e-mailed comments on the HMMH report from Mr. Al Royse, Mayor, Town of Hillsborough.
- Leverage relationships with four local jurisdictions (San Bruno, Millbrae, Burlingame, and Hillsborough).
 - Share the results of the study and provide a general level of understanding of how ground based noise propagates through their community.
 - Discuss how they may be able to effectively incorporate noise mitigation principals into the design of new or re-development projects, or Capital Improvement projects, or partner (school, water, etc.) Districts.
- The noise model created as part of the study can be utilized as a base to collaborate with partners and seek additional information for future modeling efforts. Some of the conditions that may warrant additional modeling efforts include but are not limited to:
 - Other possible mitigation measures such as walls, berms or sound barriers that may include variables such as location, height, construction details, etc.
 - Updates to terrain, vegetation, and/or buildings at SFO or within local municipalities to the southwest of SFO based on future building plans or other local input.
 - Runway modifications and/or improvements that may change the location of initial and secondary points of takeoff
 - Planning and implementation of sea walls around SFO.
- SFO funding for sound insulation of residences outside of the 65 CNEL but impacted by ground based low frequency noise.

¹ https://sforoundtable.org/gbnsub_20181101/

- Compare the effects (perceived and through monitoring data) of the temporary closure of Runway 28R from April to September 2021.
- Discuss with SFO preferential runway use (specifically during nighttime hours). Operations on Runways 28L/28R versus 1L/1R.