



PCR

## Memorandum

**TO:** TROY A. WHITE, AICP, Dudek  
**FROM:** Kyle Kim, Ph.D  
**RE:** MALIBU PARKS PUBLIC ACCESS ENHANCEMENT PLAN FEIR PEER REVIEW

**DATE:** August 20, 2010

PCR Services Corporation (PCR) was contracted to review portions of the draft and final Environmental Impact Report (EIR) for the Malibu Parks Public Enhancement Plan Public Works Plan (Proposed Plan) prepared by Dudek for the Santa Monica Mountains Conservancy (SMMC) and the Mountains Recreation & Conservation Authority (MRCA). This letter contains the results of the review related to the assessment of potential impacts to Noise.

PCR reviewed the relevant portions of the following documents:

Document Title/Section	Dated
Draft EIR, Section 2.0 PROJECT DESCRIPTION	February 2010
Draft EIR, Section 5.12 NOISE	February 2010
Final EIR Section 1.0 MODIFIED REDESIGN ALTERNATIVE PROJECT DESCRIPTION	August 2010
Final EIR Section 14.0 MODIFIED REDESIGN ALTERNATIVE (MRA)	August 2010
Final EIR Section 15.0 ALTERNATIVES (INCLUDING THE MODIFIED REDESIGN ALTERNATIVE)	August 2010
Final EIR Sections 16.1 through 16.4	August 2010

### SUMMARY OF REVIEW

Based on our review, the noise analysis and discussion is consistent with published guidelines for preparing noise impact assessments under the California Environmental Quality Act (CEQA). The analyses were generally performed in accordance with industry standards and protocols. The noise section utilizes the significance criteria established by the City of Malibu in its Noise Control Ordinance and in the Noise Elements of its General Plan and the CEQA Guidelines, Appendix G, Environmental Checklist. The Noise mitigation measures proposed in the noise section of the EIR are appropriate, feasible, and effective. The discussion of impacts is consistent with the results of analyses. Responses to public comments are reasonable and consistent with the noise analyses and discussions.

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FEIR PEER REVIEW**



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### **REVIEWER QUALIFICATIONS**

**Kyle Kim, Ph.D.**, Senior Scientist has over six years of professional and academic experience in environmental and architectural acoustical consulting for a variety of project types. Dr. Kim has used Ivie PC40, B&K 2236 and 2260; Larson-Davis 2800; and RION LN-21 to conduct noise analysis. His project experience includes Getty Villa Outdoor Theater noise measurements and monitoring, Royal Rangers Adventure Camp Noise Assessment and Church of the Woods Camp Noise Assessment, Moreno Valley Wilderness Preserve and Preservation Area, Ontario Great Park residential development Noise Assessment, Okinawa Camp Noise Study, and a Federal Law Enforcement Training Center Firing Ranges Noise Study. His full-page resume is attached.

## Education

- Ph.D., Architectural Acoustics, University of Florida, Gainesville, Florida, 2004
- M.S., Science in Architectural Studies, University of Florida, Gainesville, Florida, 2000
- B.E., Building Equipment System, Kyungwon University, Korea, 1995 (Mechanical Engineering equivalent degree)

## Professional Affiliations

- Member, Institute of Noise Control Engineering
- Member, Acoustical Society of America

## Expertise

Kyle Kim has ten years of professional and academic experience in architectural and environmental acoustical consulting for corporate and office buildings, schools, medical facilities, religious institutions, residential, airports, entertainment groups, and hotels.

Dr. Kim has extensive experience conducting and designing sound wall analyses, noise analyses, sound isolation, transportation analysis, and noise control for a variety of projects throughout the United States. He has designed specifications for mechanical systems and conducted noise assessments for aircraft noise, gunshot noise, traffic noise, and design response. Dr. Kim also specializes in architectural acoustics including room and building acoustics, reverberation measurements, data analysis, and heating, ventilation and air conditioning (HVAC) systems. Dr. Kim has used Ivie PC40, B&K 2236 and 2260; Larson-Davis 2800; and RION LN-27 to conduct noise analyses.

## Experience

*Environmental Acoustics Analyses:* Dr. Kim has conducted environmental acoustics analyses for numerous projects in Southern California and throughout the United States. Local projects include the Getty Villa Outdoor Theater, Hollywood Palladium, The New Century Plan in the Century City community, the Wilshire Gayley project in the Westwood community, and Cesar Chavez Roundabout Improvement Project for the City of Los Angeles Department of Public Works, and Loyola Marymount University Community Noise Study. He has completed peer reviews of Noise Study Report of I-215 HOV Gap Closure Project and Noise Abatement Decision Report of I-15/I-215 Interchange Improvements Project. Other projects include Disney Beach Club Villas Noise Study; Yibor City Noise Ordinance; Grey Oaks Subdivision; Coronado at Gulf Harbor; Bike Week Noise Impact Study in Daytona Beach, Florida; Okinawa Camp Noise Study; and the Federal Law Enforcement Training Center Firing Ranges Noise Study. Under contract to the Hyatt Regency, he assessed traffic noise to design a sound wall for the hotel in response to the SR 60 Road Widening project in Florida. In addition, Dr. Kim suggested mitigation measures to minimize the impacts of noise from a variety of new roller coasters and an outdoor theater at Fantasy Harbor Theme Park in South Carolina on adjacent residential and commercial properties.

*Architectural Acoustics Analyses:* Dr. Kim has performed architectural acoustics analyses such as noise isolation and noise control for projects including the Symantec Office Development in Culver City; the Beverly Wilshire Office Building; Capital Group Long Beach; and Coldwell Banker in West Los Angeles. Under contract to the Los Angeles Unified School District, he analyzed the effects of noise emitted from a train passing a new school, conducted acoustical studies for the school's multipurpose rooms and provided the District with suggestions for mitigation strategies. In addition, he has provided sound isolation for HVAC systems for the Veterans Administration chapel in Los Angeles.

*Noise Study-Focused Publications:* Dr. Kim has authored several publications including "Estimating Community Noise Levels from Outdoor Condensing Units," *Journal of the Acoustical Society of America*; "Acoustical Comparisons of Existing Facilities and New Facilities in a Special Education School," *NoiseCon03*; "Computer Model Studies to Predict Qualitative and Quantitative Measures of Speech Intelligibility in Classrooms," *Journal of the Acoustical Society of America*; "Auralizations and Other Computer Model Studies to Predict Qualitative and Quantitative Measures of Speech Intelligibility in Classrooms," *Journal of the Acoustical Society of America*; and "Hyde Park United Methodist Church," *Journal of the Acoustical Society of America*.

