

Cost Proposal – Resource Systems Group, Inc.  
 Comprehensive Sound Study of the Rock Sports Complex and Surrounding Area

Scope of Services Item	Description	Prior Amount	Current Amount
Phase I – Project Kickoff – A. Initial Meeting	Meet with the County to discuss project expectations, approach, deliverables and finalize project timeline.	\$2,700.00	\$2,700.00
Phase I – Project Kickoff – B. Plan Preparation.	Present a document for the County’s approval that describes the sound sampling schedule, sampling locations, <del>wildlife identification schedule and location</del> , sampling duration, personnel involved, sound collection protocols, data management procedures, and analysis procedures. It is anticipated that this monitoring plan will also complement the methods section for the Report deliverable, as set forth in Phase IV.	\$6,200.00	\$5,400.00
Phase I – Project Kickoff – C. Data Review.	<del>Review available existing and collected data, including data from sound monitoring equipment, from Milwaukee County, the City of Franklin, and the Village of Greendale.</del> Review available complaint records.	\$5,400.00	\$2,500.00
Phase I – Project Kickoff – D. Literature Review.	<del>Review and make recommendations for sound sensitivity ranges for the following groups: (i) humans (including infants, children, and elderly humans, if ranges differ), non human mammals, birds, reptiles, amphibians, and insects.</del> Scope item deleted. Sound study will use the A-weighting network, which was developed to represent human hearing sensitivity across audible frequencies to determine sound impacts of the project to humans.	\$25,100.00	\$0
Phase II – Perform Comprehensive Sound Study – A. Topographical Review.	<del>Conduct a full topographical review of the Premises to determine the primary sound contours where noise level is increased.</del> Develop a preliminary sound model to be used in the following Phase II tasks.	\$4,400.00	\$2,900.00
Phase II – Perform Comprehensive Sound Study – B. Event Sound Impact.	Evaluate noise impact with respect to: (i) professional baseball games, (ii) the umbrella bar (live bands), (iii) the drive-in movie theater, (iv) corporate events, (v) live theater, and (vi) graduations and concerts in the 4,000- person stadium (the “Events”). Evaluate the duration and noise impact on Affected Area from each of the Events. Conduct measurements of noise impact throughout neighborhoods. Measurements of noise impact will be conducted without notification to Developer. Each Event type will require its own sound/acoustical study and evaluation, to determine its individual impact on the contiguous parcels and surrounding neighborhoods (the “Affected Area”). Research sound levels throughout Affected Area. Conduct public outreach to residents in the Affected Area to receive first-person accounts of noise impact. <u>This task</u>	\$151,000.00	\$105,100, including expenses

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	<u>includes six months of unattended sound monitoring at three locations and attended sound monitoring of six events by one or two staff.</u>		
Phase II – Perform Comprehensive Sound Study – C. Sound System Evaluation.	Evaluate and conduct inventory of the staging, engineering, and all sound systems currently in place for: (i) the umbrella bar; (ii) the drive-in movie theater; (iii) the live theater; and (iv) the 4,000-person stadium. Such evaluation shall include location, orientation, type, and broadcast range of the existing sound system design.	\$7,700.00	\$7,700.00
Phase II – Perform Comprehensive Sound Study – D. Traffic Sound Assessment.	<del>Determine the interplay of sound from the Premises with traffic noise on the nearby thoroughfares, including Rawson Avenue, Loomis Road, and South 76th Street; and aircraft routes from Mitchell International Airport, the impact the traffic noise has on the Premises, and the impact the noise from the Premises has on the traffic noise. Conduct a comprehensive study of local traffic noise, including auto and air noise during different times of day, for a complete understanding of the base levels and higher levels of sound at the Premises and areas Affected Area, to create a baseline of data. Research sound levels throughout Affected Area.</del> Scope item deleted. Baseline traffic sound level data acquired from long-term sound measurements will be used in event noise impact determinations for Phase II Task C.	\$8,600.00	\$0
Phase II – Perform Comprehensive Sound Study – E. Time/Day Sound Assessment.	<del>Assess and document noise levels with respect to (i) time of day (including noise levels after 10:30 pm Central Time), and (ii) day of the week. Include results of public outreach in such assessment and documentation.</del> Scope item deleted. Diurnal trends in sound levels will be documented from long-term sound measurements and event sound levels will be compared to baseline levels occurring at the time/day of events in Phase II Task C.	\$9,600.00	\$0
Phase II – Perform Comprehensive Sound Study – F. Monitor Location Evaluation.	Evaluate the locations of the 3 Clearwing Solar Sound Monitors on the Premises to determine effectiveness of sound monitoring, appropriateness of location, appropriateness of quantity, and quality. Evaluate throughout Affected Area. When performing this step, the Contractor should ensure it accounts for the extent of the Premises and its topography changes and the extent the traffic abutting the Premises may interfere with the effectiveness of sound monitoring.	\$3,900.00	\$3,900.00

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Phase II – Perform Comprehensive Sound Study – G. Compare Data.	<p><del>Compare data retrieved from the Premises with data compiled in the course of the sound study.</del></p> <p>Scope item deleted. Sound study will utilize data developed during sound study only.</p>	\$10,500.00	\$0
Phase II – Perform Comprehensive Sound Study – H. Compliance Evaluation.	<p>Review and provide jurisdictional, regulatory, and contractual authority for sound at Premises. Make recommendations for thresholds to be used for the facility to assess sound impacts to humans <del>and to non-human animals</del>. Review and provide jurisdictional, regulatory, and contractual obligations for sound monitoring, including obligations regarding systems in place. Review and consider all noise-related laws, regulations, and ordinances for the City of Franklin and Village of Greendale, Milwaukee County, State of Wisconsin, and United States (including permits and curfew limitations); review and consider all noise-related standards, including those promulgated by the World Health Organization and other organizations. Determine the Developer’s compliance with all noise-related laws, regulations, ordinances, and obligations. Determine the Developer’s compliance with the noise-related aspects of the contracts with Milwaukee County and the noise-related conditions set forth in Milwaukee County File 17-598.</p>	\$7,900.00	\$6,900.00

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Phase III – Recommendations – A. Sound Impact.	Synthesize information gathered in Phase II to understand and address the impact of noise from the Premises on Affected Area. <del>Considerations should include, but not be limited to, the impact such noise has on public and individual health (including the health of the elderly, infants, and children, if appropriate) and wildlife, including non-human mammals, birds, amphibians, reptiles, and insects.</del>	\$14,600.00	\$11,600.00
Phase III – Recommendations – B. Ordinance.	Recommend level at which to set municipal sound regulations/ordinance. Draft proposed municipal sound regulation/ordinance. Recommend system, procedures and reporting required to monitor sound in accordance with jurisdictional, regulatory, and contractual authority. Draft proposed municipal sound regulation/ordinance.	\$7,600.00	\$7,800.00
Phase III – Recommendations – C. Contractual Compliance.	Recommend monitoring, systems, procedures, and reporting required to monitor Developer’s sound-related contractual obligations to Milwaukee County.	\$3,900.00	\$3,900.00
Phase III – Recommendations – D. Monitoring Devices.	Recommend locations and number and type of monitoring devices to adequately measure and monitor sound at the Premises. Include recommendations with respect to the Events.	\$1,000.00	\$1,000.00
Phase III – Recommendations – E. Engineering and Design.	Recommend the best practices for staging, engineering, sound system design, and/or equipment to mitigate the sound emanating from all activities at the Premises as well as to prohibit spill over into Affected Area. Include recommendations with respect to the Events.	\$6,600.00	\$6,600.00
Phase III – Recommendations – F. Future Uses.	Recommend the best practice(s) for approval of future uses of the site. Include recommendations with respect to monitoring devices, engineering, design, and contractual and legal compliance, if applicable.	\$5,900.00	\$5,900.00
Phase IV – Final Reporting – A. Research	Provide the County with all research compiled and conducted, including: (i) maps (with GIS coordinates for each data point), (ii) raw data files, and (iii) summarized data files, all an agreed-upon digital file format.	\$9,100.00	\$8,100.00
Phase IV – Final Reporting – B. Final Report	Produce a final report and present the final report to the County.	\$19,200.00	\$17,900.00