

CONSULTANT WORK ORDER

Date: April 24, 2023

Project Title: The Sound Acoustic Study

Background:

On December 2, 2022, the City released RFP #13-23 to solicit a proposal from a qualified noise consultant that could perform a noise analysis to evaluate and predict the impact of The Sound on downtown and surrounding areas. The noise analysis will identify noise contours downtown and in areas surrounding The Sound to develop standards for managing noise in a mixed-use environment.

Scope, Cost, and Schedule of Services:

Siebein Associates, Inc., in partnership with the University of Florida (Soundscape Team) proposes to conduct a soundscape study in response to City of Clearwater RFP #13-23 for the City of Clearwater. The Soundscape Team will analyze noise and sound in the Imagine Clearwater area and will propose strategies toward adopting standards for mapping and measuring sound; and offer strategies for detecting and enforcing violations of reasonable maximum permissible sound limits. The Team will also proactively develop recommendations for plans, approval processes, and construction methods, suited to the sonic characteristics of the different areas of the Imagine Clearwater project area that can be applied to the City at large. The great diversity of urban and suburban communities within the City of Clearwater suggests a strategic approach to identify a range of urban conditions that represents the larger City of Clearwater, a prioritization of those areas to be determined, and a phased approach to the mapping, measurement, analysis, and subsequent noise control strategies. We propose, over the course of an estimated six months to work with city staff, and stakeholders selected by the City to identify critical areas in the vicinity of the Imagine Clearwater project, prioritize those areas for study, conduct a pilot study in the Imagine Clearwater study area, deploy and assess the methodology of analysis, evaluate the results for refinement, and then initiate a broader set of studies in the Imagine Clearwater study area.

The following page outlines the tasks to be performed and the associated costs.

Schedule:

- Task/Phase 1 – Weeks 1-4
- Task/Phase 2 – Weeks 4-12
- Task/Phase 3 – Weeks 12-20
- Task/Phase 4 & 5 – Weeks 16-20
- Task/Phase 6 – Weeks 20-26

PERSON HOUR AND COST ESTIMATE

	Senior Principal	Associate Principal	Senior Consultant	Consultant	SUBTOTALS
TASK 1: Project kick off, Initial Meetings, Orientation, Site Visit					
Virtual kick off meetings					
Travel, 1 Site visit and meetings, literature review					
Subtotal hours per item	12	24	0	0	
Hourly rate	\$300	\$175	\$135	\$125	
Estimated cost for personnel	\$3,600	\$4,200	\$0	\$0	\$7,800
Reimbursables					\$1,338
Subtotal cost for phase					\$9,138
TASK 2: Initial Imagine Clearwater Area Study - Site Visits, Meetings with Stakeholders, Imagine Clearwater study Soundscape Measurement, Mapping and Modeling					
Measure and qualify baseline ambient sonic conditions					
Identify areas of concern with City and Stakeholders, review findings with City					
Refine priority areas for study and range of acoustic concerns - in Imagine Clearwater study area					
Review noise mapping for the Amphitheater and reflected sounds off the library and other buildings					
Recommend site specific amplified sound policy, mitigation strategies and possible code requirements for new construction to reduce sound issues					
Evaluate potential for an Imagine Clearwater Overlay District					
Update sound mapping for the selected Imagine Clearwater study area					
Soundwalks and measurements in Imagine Clearwater study area					
Soundscape evaluation of Imagine Clearwater study area, initial strategies for sonic intervention elements, initial strategies for standards, monitoring and enforcement in a complex environment					
Subtotal hours per item	24	32	60	60	
Hourly rate	\$300	\$175	\$135	\$125	
Estimated cost for personnel	\$7,200	\$5,600	\$8,100	\$7,500	\$28,400
Reimbursables					\$3,069
Subtotal cost for phase					\$31,469
Task 3: Imagine Clearwater, and 1 to 2 Other Area Studies Measurement, Soundscape Mapping, Modeling of Alternatives, Strategies for Sonic Interventions					
Identify general types and acoustical properties of buildings using GIS database and field observations, sonic activities, base line ambient sound levels, acoustical issues in the Imagine Clearwater study area					
Conduct soundwalks with City staff and stakeholders in the Imagine Clearwater study area					
review findings with Team and stakeholders					
Construct and analyze sound maps and design models of study area					
Analyze data, develop initial concepts for soundscape compatibility planning, design interventions, noise ordinance development and soundproofing where needed					
Analyze potential approaches at the scale of individual buildings, near by buildings and plazas, etc., the Imagine Clearwater neighborhood and possibly larger scale if needed					
Examine potentials for control via monitoring, ordinance requirements, administrative and operational controls in addition to infrastructure controls					
Review potential approaches and solutions with stakeholders and city					
Prepare report of findings for the study area and how the approaches and strategies developed in each can possibly be transferred to the larger city environment and other areas					
Subtotal hours per item	32	32	95	60	
Hourly rate	\$300	\$175	\$135	\$125	
Estimated cost for personnel	\$9,600	\$5,600	\$12,825	\$7,500	\$35,525
Reimbursables					\$2,053
Subtotal cost for phase					\$37,588
Task 4: Analysis and Review of Noise and Zoning Ordinances					
Draft possible ordinance adjustments, Review with City and stakeholders, revise report, Present Final Draft					
Subtotal hours per item	8	40	0	0	
Hourly rate	\$295	\$175	\$135	\$125	
Estimated cost for personnel	\$2,360	\$7,000	\$0	\$0	\$9,360
Reimbursables					\$0
Subtotal cost for phase					\$9,360
Task 5: Analysis and Recommendations for Soundproofing and Noise Monitoring and Mitigation					
Acoustical analysis of typical buildings with recommendations for soundscape compatibility planning, soundproofing and other noise mitigation strategies as needed					
Review and recommend sound monitoring and software for use to assist in regulating sounds in the Imagine Overlay district					
Subtotal hours per item	8	24	16	40	
Hourly rate	\$300	\$175	\$135	\$125	
Estimated cost for personnel	\$2,400	\$4,200	\$2,160	\$5,000	\$13,760
Reimbursables					\$0
Subtotal cost for phase					\$13,760
Task 6: Final Report					
Draft report, Review with City and revise report, Public presentation via video call					
Subtotal hours per item	12	12	12	8	
Hourly rate	\$300	\$175	\$135	\$125	
Estimated cost for personnel	\$3,600	\$2,100	\$1,620	\$1,000	\$8,320
Reimbursables					\$0
Subtotal cost for phase					\$8,320
UF faculty time and fringes					\$27,754
UF expenses					\$15,794
Subtotal personnel costs					\$130,919
Subtotal expenses					\$22,264
TOTAL DESIGN FEES AND REIMBURSABLES					\$153,183

SIGNATURES:

Gary W. Siebein
Senior Principal Consultant
Siebein Acoustic

Date

Daniel W. Slaughter
Chief of Police
City of Clearwater

Date

Signature Page – Sieben Associates, Inc. Work Order (RFP #13-23 Noise Analysis Consultant)

Countersigned:

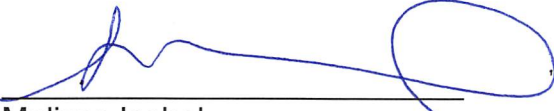
CITY OF CLEARWATER, FLORIDA

Brian J. Aungst, Sr.
Mayor

By: _____
Jennifer Poirrier
City Manager

Approved as to form:

Attest:



Melissa Isabel
Assistant City Attorney

Rosemarie Call
City Clerk

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