



**Milwaukee County's
General Mitchell International Airport**

**Noise Barrier Study
Request for Qualifications**

Submit 10 copies of Statement to: Office of Milwaukee County Clerk
Courthouse, Room 105
901 N. 9th St.
Milwaukee, Wisconsin 53233
Reference: Response to Official Notice No. 6499 (Airport)

Statement due by: 1:00 P.M.
Friday, March 12, 2010

Table of Contents

A	Introduction	1
B	Schedule	2
C	General Scope of Work	2
D	Consultant Selection Criteria	5
E	Preparation of Statement of Qualifications	6
F	Contract	8
G	Code of Ethics	8
H	Statement of Qualifications Submission	8
I	Questions Regarding this Request for Qualifications	9
Exhibit 1	Alternative 9 Ground-Based Noise Alternatives	
Exhibit 2	FAA Record of Approval for Airport Noise Compatibility Program	
Attachment A	Disadvantaged Business Enterprise (DBE) Participation	
Attachment B	Sample Professional Services Contract	

A. Introduction

Milwaukee County's General Mitchell International Airport ("Airport") is seeking Statement of Qualifications from firms qualified to perform professional services to study alternatives to reduce noise in the surrounding communities resulting from aircraft operations on the ground at the Airport as recommended by the FAR Part 150 Noise Study Update.

The study will address aircraft noise from ground operations which is defined as all aircraft movement while an aircraft is on the ground, including operations on taxiways, runways, ramp/apron areas, hangars, the terminal movement area, and the ground run-up enclosure.

The goal of this study is to explore all available options that would minimize ground noise intrusion and specifically evaluate the use of noise barrier walls to reduce noise in surrounding neighborhoods resulting from aircraft operations on the ground at the Airport. The study will include estimates of probable costs to design and construct recommended noise barrier walls that will be used to identify appropriate budget amounts for future design and construction appropriation requests.

This Study is a result of recommendations made in the Federal Aviation Regulation Part 150 Noise Compatibility Program and is contingent upon the availability of Federal Aviation Administration (FAA) Airport Improvement Program grant funding, and the availability of Passenger Facility Charge (PFC) funding.

A description of recommended ground-based noise alternatives from the recently completed FAR Part 150 Compatibility Program is attached as Exhibit 1.

The June 26, 2009 FAA Record of Approval for the Airport Noise Compatibility Program is attached hereto as Exhibit 2. Please refer to Recommendation 5, item a.

The selected consultant(s) will be expected to provide all services required to successfully complete the study of ground based noise alternatives at the Airport.

B. Schedule

Tentative schedule for the selection and award of an agreement for this project:

RFQ announced	February 2, 2010
Closing date for written questions on RFQ.....	February 26, 2010
RFQ due Date	March 12, 2010
Short list of eligible consultants	April 9, 2010
Interviews, if needed.....	April 20, 2010
Selection of Consultant.....	April 22, 2010
County Board Committee Action	May 12, 2010
Anticipated County Board Approval.....	May 27, 2010

This schedule is subject to change.

C. General Scope of Work

The Airport is seeking the services of a consultant with demonstrated abilities and experience in the study, planning, and design of airport noise barriers.

Consultants (individually or as part of a team) must have the ability to perform: studies, site surveys, acoustical analysis, cost estimating, engineering work, program reporting/documentation, community surveys and public outreach. The selected consultant(s) will work with Airport staff to conduct the study to find the best possible solution to limit aircraft ground noise at GMIA.

This General Scope of Work is provided as a basic guideline to aid proposing firms in developing a more detailed project plan.

1) Inventory

- a) Data will be provided describing the physical relationships of noise sources and residential areas included in the study.
- b) Consultant will obtain data quantifying aircraft ground operations to include current activity levels and noise generated by aircraft ground operations on:
 - (a) the former Skyway ramp,
 - (b) the West ramp area,
 - (c) the North ramp area,

- (d) nighttime activity,
- (e) designated run-up locations, and
- (f) takeoff roll on runways 13, 7-Left, 19-Right, and 25-Left.

2) Sampling

Sampling and measurement of noise sources will be completed at locations within the study area. Specific locations will be determined on the basis of review of the physical relationships between noise sources and noise sensitive receivers in question. Gathered data will be used to validate calculations and will be presented in the final report. Sampling will include:

- a) Qualified observers to identify and confirm the presence of measurable direct and reflected acoustic energy from sources called out in this Scope of Work and other such significant aircraft ground sources as may be identified during the course of the study.
- b) Measurement of start, idle, taxi and engine run-ups using A-weighted SEL metrics, and such other sources and metrics as the consultant finds necessary to define the conditions found.
- c) Measurement of noise produced by takeoff roll on runways 7-Left, 13, 19-Right and 25-Right; and engine run-ups conducted at all current run-up locations.

Where sampling of individual events is not deemed possible, modeling and extrapolation from other available data will be accepted at the discretion of the project manager. Appropriate descriptions of the methodology and predicted accuracy/validity of the models used will be included in the report.

3) Survey Businesses and Residents of the Study Area:

- a) Prepare a list of survey questions designed to identify what aircraft operations create noise of concern to businesses and residents of the study area.
- b) Distribute surveys to all homes in the study area.
- c) Distribute surveys to all businesses along Layton Avenue.
- d) Compile the results of the survey both for reporting findings and using findings to guide sampling required in Task 2 and to validate conditions described in Task 4.

4) Identify Current/Past Conditions:

- a) Sample data will be used to produce average daily time above 55dBA, 60dBA, 65dBA, 70dBA contours, for noise events related to aircraft start, idle and taxi for the combined ramp areas (West Ramp, Former Skyway Ramp, North Ramp).
- b) Data collected will be used to determine average daily number of events above 55dBA, 60dBA, 65dBA, and 70dBA for each ramp area (West Ramp, Former Skyway Ramp, North Ramp).
- c) Determine sound transmission paths from listed sources to representative receivers in the study area.
- d) Describe the relative strength and contribution to the overall noise experienced for direct, reflected and volume reverberation components for noise generated on the listed ramp areas, engine run-ups and take-off rolls on listed runways.
- e) Compare and contrast the noise generated from aircraft ground sources called out in this study with other community sources (ambient noise) during daytime (0700-1900), evening (1900-2200), nighttime (2200-0400) and pre-dawn/early morning hours (0400-0700).
- f) Identify the threshold that would normally be expected to cause sleep disturbance and /or speech interference inside homes in the study area.

Data will be used to estimate and compare conditions before and after construction of the noise barriers.

5) Identify Mitigation Options:

Where significant negative impacts are found to exist the consultant will:

- a) Identify potential remedies available under local, state and federal laws
- b) Make recommendations on the alternatives likely to reduce community noise exposure.
- c) Include a brief cost/benefit analysis of mitigation options presented in the recommendations.

6) Reports and Documentation:

The consultant will prepare a final report clearly describing the project and their findings. One original and 20 bound copies will be provided to the Airport.

The report will include but is not limited to:

- a) Description of data collected
- b) Description of analysis completed
- c) Textual/tabular as well as graphical depiction of conditions before and after the construction of proposed noise barriers
- d) Potential mitigation options for ground noise impacts
- e) A presentation of the report to the Airport Noise Advisory Committee (ANAC) and the Transportation, Public Works and Transit Subcommittee of the Milwaukee County Board of Supervisors at a regularly scheduled open meeting of each body.

D. Consultant Selection Criteria

Airport shall use qualifications based selection procedures in the selection and engagement of consultants as required by FAA Advisory Circular No. 150/5100: Architectural, Engineering, and Planning Consultant Services for Airport Grant Projects.

During the review and evaluation of submitted materials and interview, Airport staff will pay particular attention to the qualifications, pertinent experience and technical expertise of the project principal, managers, planners, engineers and designers involved, as well as the consultants' understanding of the project. The consultant's ability to accomplish the work in a timely manner, in view of other commitments, will also be considered. The decision as to those selected will be based entirely on the judgment of the Project selection panel.

Upon receipt and evaluation of responses, Airport staff will prepare a short list of three or four of the most qualified firms, together with a location, date, and time for each firm named on the short list to make a presentation, if deemed necessary. The Airport reserves the right to select from Statements of Qualifications.

Prospective consultants are advised that no obligations or duties are incurred by the Airport in soliciting for Requests for Qualifications. Milwaukee County retains the right to award the project in part or in total to the consultant of its choice, should it decide to undertake the project or to terminate the proposed project at any time prior to approval of a formal contract.

The selection of a firm to provide professional services for this project will be based upon the following criteria using a 100-point scale:

- 1) **Lead Consultant** qualifications and experience pertinent to the specific type of work required for this Project. (25 points)
- 2) **Team** (sub-consultants) qualifications and experience pertinent to the specific type of work required for this Project. (15 points)
- 3) **Experience** and background in the specific type of work required for this project of identified **primary personnel** including demonstrated expertise to complete the Project. (25 points)
- 4) Overall **team organization** (fit of lead consultant, sub-consultants, and key personnel with Project needs. (10 points)
- 5) Consultant's demonstrated **understanding and approach** to the proposed Project. (15 points)
- 6) Consultant's overall **responsiveness** to Request for Qualifications; (10 points) quality, completeness, consistency, clarity of statement of qualifications, similar project experience, references for similar services (Statement of Qualifications shall be 30 pages or less in total).
- 7) **DBE Participation** – This category is a **pass/fail review**. Failure to provide the required DBE participation will disqualify the consultant Statement of Qualifications from further review.

E. Preparation of Statements of Qualifications

Statements of Qualifications should be prepared in sufficient detail to permit Airport Staff to evaluate the firm's understanding of the project. The Statement of Qualifications should not exceed a maximum of **30 pages**; excluding cover letter, or dividers. At a minimum the Statement of Qualifications should contain the following items:

1) Project Understanding and Approach

Provide a detailed description of your firms' understanding of the project. Describe in detail your anticipated approach to the project. Include an anticipated schedule and any other pertinent information that demonstrates your firms' intent to successfully complete the project.

2) Team Profile

Provide a brief history of the consultant team including all sub-consultants. List corporate officers, general experience and specific capabilities.

3) Staffing

Present staff proposed for this project with their previous related experience. Include the name, background and professional experience of each individual to be assigned to the project. Include an overall organizational chart of your consultant team.

4) Management Summary

Address project management methods and systems proposed for the project. Demonstrate your firm's ability to: manage coordination between several simultaneous projects and technical design staff, meet schedules, and manage costs. Discuss your capabilities to staff this project and to ensure completion on schedule and within budget.

5) Familiarity with FAA, State, and Local Standards and Requirements

Provide your firm's experience in working with the FAA, and Federal, State, and Local regulatory and/or review agencies.

6) Related Project Experience

Provide the title(s) and description(s) of projects each firm has performed that are similar to this project. You are encouraged to emphasize each firm's level of experience and precise involvement with each project. Provide contact information for **ALL** noise barrier study services each firm has provided for airport projects for the **past ten (10) years**. Include a breakdown of planning, administrative and construction costs by project and location (city) for all services provided in the past ten years.

7) Disadvantaged Business Enterprise (DBE)

Milwaukee County has established a DBE participation goal of **17%** for this contract. The Consultant shall submit an explanation of how they intend to comply with the County's **Disadvantaged Business Enterprise (DBE) participation goal of 17%**. The Consultant must state how they will make good faith efforts to meet the 17% goal including a list of DBE firms that will be used as well as identifying the percentage of minority participation. The Consultant must complete and submit the DBE Participation Plan contained in **Attachment A**, or submit a copy of its DBE

certification. Information on DBE requirements may be obtained by contacting the **Office of Community Business Development Partners at (414) 278-5248.**

F. Contract

The successful firm shall enter into a professional services contract with Milwaukee County similar to the one attached hereto as **Attachment B**. The contract shall incorporate by reference the consulting firm's Statement of Qualifications and the County's Request for Qualifications. If there is a conflict between these documents, the County's Request for Qualifications shall govern, unless otherwise provided for in writing.

G. Code of Ethics

Section 9.05 (amended March 17, 2004) of the General Ordinances of Milwaukee County states:

(2) (1) No person(s) with a personal financial interest in the approval or denial of a contract being considered by a County department or with an agency funded and regulated by a County department, may make a campaign contribution to any County official who has approval authority over that contract during its consideration. Contract consideration shall begin when a contract is submitted directly to a County department or to an agency until the contract has reached final disposition, including adoption, county executive action, proceedings on veto (if necessary), or departmental approval. This provision does not apply to those items covered by Section 9.15 unless an acceptance by an elected official would conflict with this section.

H. Submission

Ten (10) copies of the Statement of Qualifications including one original must be received at the Office of the County Clerk of Milwaukee County no later than **1:00 p.m., CST, Friday, March 12, 2010.**

Statements should be addressed to:

Office of Milwaukee County Clerk

Courthouse, Room 105

901 N. 9th St.

Milwaukee, Wisconsin 53233

Reference: Response to Official Notice No. 6499 (Airport)

The County reserves the right to accept or reject any or all submittals for any reason that it determines to be in the best interests of the County and reserves the right to negotiate the

terms and conditions of the statement of qualifications with the respondent which, in the County's sole judgment, submits the best statement of qualifications.

I. **Questions Regarding this Request for Qualifications**

Any questions regarding the content of this Request for Qualifications must be submitted in writing by **February 26, 2010** to:

Kim M. Berry, A.A.E.
Noise Program Manager
General Mitchell International Airport
Airport Administration - Concourse C
5300 S. Howell Ave.
Milwaukee, WI 53207-6189
Email: kberry@mitchellairport.com

Responses to all written questions will be posted as an addendum to the RFQ on the Airport's website, www.mitchellairport.com, as soon as possible, but no later than one week prior to the Request for Qualifications due date.