

REQUEST FOR PROPOSALS

AVIATION NOISE CONSULTING SERVICES

Boston Logan International Airport

October 10, 2003

The MASSACHUSETTS PORT AUTHORITY (“the Authority”) is seeking a qualified firm with demonstrated technical expertise and experience in providing aviation noise consultant services to a major international commercial airport. The qualified firm will have extensive experience in working with regulatory agencies and scientific organizations related to noise standards and aircraft operations, demonstrated command of the local and national regulatory environment, understanding of the latest industry trends and policy directions and demonstrated capability to communicate effectively with the public.

The selected Consultant shall 1.) produce for Boston Logan International Airport (“Boston Logan”) an annual noise contour and population and dwelling unit count, to be included in Massport’s annual environmental filing to the state MEPA unit and for submitting, if necessary, to the FAA as Boston Logan’s Noise Exposure Map for soundproofing purposes 2.) provide on-call acoustical services to the Authority that may include but not be limited to: noise surveys related to aircraft over flights and long-term and short-term noise exposure, analysis of flight tracks and radar data, noise modeling applying the FAA’s most current version of the Integrated Noise Model (INM), developing enhancements to the FAA’s Integrated Noise Model to reflect Boston Logan’s unique geographic and operational characteristics and 3.) Support the Authority’s current effort to install a new state-of-the-art noise monitoring system at Boston Logan and Hanscom Field.

Consultant Services

The selected Consultant shall provide aviation noise consultant services to the Authority for the Term of the Agreement, which shall be for three and 1/2 years, starting January 1, 2004 and ending June 30th 2007. The Consultant’s fee is not guaranteed and is subject to a not-to-exceed amount of \$54,000 for Tasks #1; \$250,000 for Task #2 and \$100,000 for Task #3 for a total no-to-exceed budget of \$404,000.

The Consultant shall be responsible for the following tasks:

Task 1: Produce Boston Logan’s annual noise contour and associated population and dwelling unit counts, based on the most current census information to be included in Massport’s annual environmental filing to the state MEPA unit. The consultant will produce Logan’s Noise Exposure Map to be submitted to the FAA for sound proofing grant requirements including detailed street level maps to allow Massport and the FAA to determine eligibility requirements. The consultant will coordinate with the

Authority's Noise Abatement Office and the other Massport consultants working on the Environmental Status Planning Report Team on schedule, format and technical consistency. The consultant will utilize the latest FAA INM version (adjusted for Logan specific topography) and to produce data and graphics of the highest quality (GPS/digital mapping, detail street level, aerial orthophoto/MassGIS) for current and previous years to allow for comparative analysis .

Task 2: The Consultant will be available on an on-call basis. Work to be conducted under this task will include but is not be limited to:

1. noise surveys specific to certain communities and airport operations including calculating aircraft only noise levels, verifying flight tracks and Logan Noise Monitoring System results, comparing and investigating INM computed versus actual measurements, analyzing supplemental metrics (beyond traditional DNL measure);
2. investigating noise propagation at Logan that may lead to adjustments to the FAA's INM for Boston Logan. Consultant may be required to petition, on the Authority's behalf, the FAA and USDOT Volpe Center to implement changes;
3. supporting the FAA and Massport in analyzing flight track departures from Boston Logan's Runway 27 and other runways and flight procedures- providing both analytical and graphical services;
4. other noise consulting services related to Boston Logan noise and flight tracks, tracking international industry/policy trends, producing high quality GIS graphics for public dissemination, interagency presentations and regulatory filings; and
5. assist staff in undertaking unique in-flight and ground noise studies/surveys to investigate aircraft noise impacts and recommend, if feasible, noise abatement measures.

Task 3: Support the Authority's current effort to transition to a new state-of-the-art noise monitoring system. The range of this support is not yet defined but may include participating in evaluating technical qualifications, participating in vendor interviews, present recommendation; contract design and specifications, technical assistance during installation and acceptance of a new system. Massport is expecting to undertake this effort in the winter/spring of 2004.

Selection Criteria

Each firm will be evaluated on the basis of information provided in its proposal concerning:

1. Current relevant experience for similar projects and demonstrated expertise in the area of aircraft noise, with an understanding of the Boston Logan noise context including local operating procedures, annual and short term noise experience, Noise Monitoring System, airport noise rules and reporting requirements, mitigation commitments and community involvement.
2. Depth of technical expertise of the project manager and other key personnel assigned to the project. Availability of the project manager and other key personnel assigned to the project.
3. Demonstrated technical experience in the research and development of aircraft noise metrics and modeling. Extensive involvement and participation with federal agencies (particularly the

- FAA and the USDOT/Volpe Center) and national and international acoustical organizations.
4. Responsiveness to technical issues identified in this Request for Proposals and a clear understanding of the various tasks required under the proposed contract and budget.
 5. Understanding of relevant environmental and regulatory constructs applicable to a major commercial airports.
 6. Quality of submittal content and format and relevant references.
 7. Affirmative action and equal opportunity efforts.

RFP Schedule

- Proposals due on October 31, 2003 at 12:00 PM.
- Interviews (if required, TBD)
- Selection by November 14, 2003
- Contract negotiations and notice to proceed, January 2004

Selection Process and Submittal Requirements

The selection shall involve a review of submittals by a selection team designated by the Authority. Depending on the quality and number of submittals, the Authority may select a firm directly or elect to interview qualified candidates before making a selection decision. By responding to this solicitation, the Consultant shall enter into and agree to accept the terms and conditions of the Authority's standard consulting services agreement, in substantially the form of the draft agreement, a copy of which can be found on Massport's website: http://www.massport.com/business/capit_resou.html.

The Authority is soliciting competitive Proposals pursuant to a determination that such a process best serves the interests of the Authority and the interests of the general public, and not because of any legal requirement to do so. The Authority reserves the right to accept or reject any or all proposals, to amend, with the consent of the proposer, any proposals prior to acceptance, to waive any informality and to effect any agreement otherwise, all as the Authority in its sole judgment may deem to be in its best interest.

All submissions shall be printed on 8½" x 11" paper, and limited to ten double sided or 20 pages plus supporting graphics, curricula vitae and firm brochures, and shall be addressed to Flavio Leo, Manager, Aviation Planning, Massachusetts Port Authority, One Harborside Drive, Boston, Massachusetts 02128, no later than 12 P.M. on October 31, 2003. Any submission that exceeds the page limit or that is not received in a timely manner, shall be rejected by the Authority as non-responsive. Any questions with respect to the requirements of the RFP should be submitted in writing to Flavio Leo by fax at 617-561-1891 or by email at fleo@massport.com.