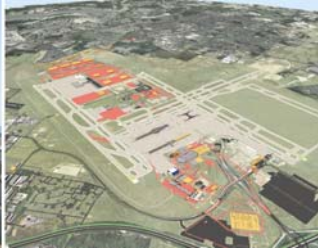




## Noise Office Support



*Part 150 NCP Implementation  
Annual Contours  
Outreach*

*Land Use Planning  
Land Acquisition/Sound Insulation Support Services  
Operational Implementation & Monitoring Systems*

For many airports, implementing and managing a noise abatement/mitigation program is delegated to a small staff. Noise office staffs are required to become experts in many specialty areas. Thorough knowledge of federal, state and local laws, aircraft operations and flight procedures, complex computer programs, project budgets, and implementation of effective community outreach programs are a few of the talents needed for a successful noise program. Staff must be able to communicate complex, technical information in a simple and easy-to-understand manner to effectively inform people about the airport's efforts to mitigate and abate noise impacts in communities surrounding airports. L&B's professional staff has over 50 years of experience in the day-to-day support of airport noise offices. We currently assist airports throughout the country by easing the demands on airport noise office staff. Through our experience in assisting noise offices at numerous airports, we offer the following technical assistance:

- Part 150 implementation
- Community outreach
- Advisory committee support
- Enhanced use of websites
- Electronic messaging (multimedia production)
- Noise and operations monitoring system procurement and installation support
- Noise monitoring system optimization
- Remote office assistance
- Land use plan implementation
- GIS support

### **Part 150 NCP Implementation**

Conducting or updating a Part 150 study is the first step many airports take to assess and plan for noise mitigation. Prioritizing, obtaining funding, and implementing the approved program is where the professionals at L&B can assist.

### **Annual contours**

The L&B staff of noise analysts and abatement planners has assisted airports with virtually every possible aircraft noise issue. The FAA frequently requires annual contours with grant applications for approved noise mitigation programs. L&B staff can assist in developing these contours in a quick and easy manner to help keep these community-driven programs on track.

### **Land Acquisition/Sound Insulation Support Services**

Our experienced noise office support staff can assist you in designing and implementing your noise mitigation programs. Program implementation can become effortless. As we help you with project definition, grant writing, project management, and project office staffing, these programs can become even easier. L&B Sound Insulation Acoustical Support Services (SIASS) professionals have provided consulting services on sound insulation programs in more than 25 cities nationwide. These services include helping airports and their architects determine cost-effective designs, while ensuring that the airport sponsors adhere to the FAA's stringent criteria, and to maximize homeowner satisfaction. Coupled with our experienced noise office staff, designing and implementing these programs can become even easier. We know the pitfalls and concerns of the FAA and help you avoid unnecessary project delays.

### **Operational Implementation**

L&B assists airports in implementing Advanced Flight Track Procedures, or AFTPro. AFTPro can allow the use of both existing Area Navigation (RNAV) technology and more advanced navigation technology, such as Flight Management Systems (FMS) to make improvements in adherence to preferential flight tracks and to reduce nighttime aircraft noise in the communities surrounding airports.

Headquarters: Cincinnati

11279 Cornell Park Drive, Cincinnati, Ohio | P: 513.530.5333 | F: 513.530.1278

Offices Worldwide

L&B has assisted airport noise offices by implementing Pilot/Airline Education Programs that enhance awareness of the airport's nighttime noise abatement procedures. L&B assists airports by developing and distributing Fly Quiet Manuals to airline pilots and air traffic controllers that contain information on preferred runways and flight tracks which route aircraft over the least populated areas -- such as forest preserves, highways, as well as commercial and industrial areas. In addition to these manuals, L&B has created videos and interactive multimedia presentations to enhance the community outreach efforts of the noise office when discussing aspects of noise abatement programs with the public.

L&B has performed planning studies for Ground Run- Up Enclosures (GREs) across the country. L&B was instrumental in implementing the first and second GREs in the United States at Chicago O'Hare and Indianapolis International Airport, respectively. L&B has provided input in specifications and RFP development, site selection, aerodynamic enhancements, environmental processing, operational procedures, and final facility implementation. Several supporting studies have included:

- FAR Part 77 siting requirements
- Line-of-sight requirements
- Acoustical evaluation
- Vendor selection and proposal review
- Aerodynamic performance evaluation
- Environmental overview documentation
- Economic impact analysis

### Operations Monitoring Systems

L&B staff understand the life cycle of an airport's noise and operations monitoring system including procurement and selection, microphone location, installation, vendor management, acceptance testing, and system implementation and development. Our staff can verify that systems perform at their highest level with precise data input and accurate output in form of automated daily tasks for internal use and reports for public release. Our staff have the experience needed to optimize, operate, assist in upgrades, conduct routine and complex data analysis, update standard reports, develop and create customized reports, and assist in communicating your airport's noise environment to the public, legislators, and government officials. L&B staff have specific experience with ANOMS and AirScene software and their individual enhancement of noise to aircraft correlation settings and algorithms. Among our professionals are technical ANOMS experts who have experience with more than 20 different systems in the United States.

Our staff experience includes the following specialties:

- System Specification
- Microphone Site Selection
- Acceptance Testing
- System Optimization/Tuning
- System Upgrade
- Data enhancement
- Data analysis
- Development of quarterly/monthly/annual reports
- Development of meaningful reports for stakeholders
- Complaint handling

Many of these services can be conducted remotely, providing a considerable cost savings to airports. Through various software programs, L&B staff can access your system from their offices, allowing support services that are often timelier than the service provided by other vendors.

### Outreach

Successful airport noise programs involve extensive community outreach. These programs involve the local community in the efforts of the airport. Local citizens can help to prioritize an airport's noise mitigation program in terms of projects and budgets. This increased involvement with local communities is often cited as the key to a successful program. L&B has guided airport staff and communities through the process of developing and reaching meaningful noise abatement goals. L&B uses the latest technology to develop specialized interactive websites, videos, and visualization products to enhance the existing outreach efforts.

### Land Use Planning

One of the key elements of an airport's Noise Compatibility Program (NCP) is land use planning. An effective NCP requires coordination between many local jurisdictions, the airport, federal and state agencies to protect the area around the airport from further encroachment by non-compatible land uses.

Headquarters: Cincinnati

11279 Cornell Park Drive, Cincinnati, Ohio | P: 513.530.5333 | F: 513.530.1278

Offices Worldwide