



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

# Memorandum

Detroit Airports District Office  
Metro Airport Center  
11677 South Wayne Road, Ste. 107  
Romulus, MI 48174

Subject: ~~ACTION:~~ Revision to Noise Compatibility Program  
for Toledo Express Airport, approved by the FAA  
July 18, 2003

Date: April 19, 2004

06/84

From: Manager  
Detroit Airports District Office, DET ADO-600

Reply to  
Attn. of: K. Jones  
734-229-2958

To:  
Associate Administrator for Airports  
ATTN: APP-600  
THRU: AGL-610

Attached for your action is a revision to the Noise Compatibility Program (NCP) for the subject airport. On July 18, 2003, the FAA approved the Record of Approval for this airport. On January 24, 2003, the FAA determined that the Noise Exposure Maps for the Toledo Express Airport (TOL) were in compliance with the requirements of Section 103(a) Aviation Safety and Noise Abatement Act of 1979 and Title 14 Code of Federal Regulations, Part 150. The Revision to the NCP review began on January 14, 2004. The public comment period ended on March 13, 2004. There were no comments received.

Consultation with, and participation by airport users, federal agencies, including the FAA, local? regional and state planning agencies, local interest groups and individuals, helped in the development of a comprehensive program, taking into consideration all concerned interests. Public information meetings were conducted, during the preparation of the revision to the NCP.

Since the approval of the Part 150, LU-13, Install sound insulation improvements at Swanton Township Elementary School (Page 7-31, Part 150 Study Update, Final October 1998 and page 33, Supplemental Part 150 Study, to the final 1999 Part 150 Noise Compatibility Program, January 2003), has been requested by the sponsor to be changed from sound insulation to acquisition. This program change request is the result of conversations between the Toledo Express Airport (Sponsor) and the Swanton Township School Board in which the Swanton Township School Board requested acquisition by the sponsor instead of sound insulation. In 1997, the Program Consultant for the Toledo-Lucas County Port Authority Residential Sound Attenuation Program completed a site inspection, which resulted in the completion of a report titled, "Preliminary Sound Attenuation Evaluation, Swanton Township School." This report is an evaluation of the feasibility and probable cost of improving the noise reduction performance of the building.

The Swanton Township School Board approached the Toledo Express Airport to discuss the possibility of the school being acquired rather than sound attenuated. The Airport, then contacted the Federal Aviation Administration to amend measure LU-13 in the currently approved ROA. The Detroit Airports District Office advised the Airport that they must coordinate this with the

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school board, supply written documentation of this request and provide for an opportunity for public comment. Public coordination was completed on March 18, 2002. A presentation was made at the Swanton Local Board of Education meeting, by Paul Toth, Airport Director, to discuss the procedures for changing the school from sound insulation to acquisition in the approved Part 150, and the timelines associated with the potential acquisition of the Swanton Township School located at 12035 Airport Highway, Swanton Township, Lucas County, Ohio. The public was afforded an opportunity to attend this meeting and ask questions of the airport. There were no questions at the meeting and the sponsor and school board decided to continue the process for ultimate acquisition of the school by requesting an amendment to the Record of Approval.

This program change will not require the noise exposure maps, which were accepted on January 24, 2003, to be updated. The school is currently located in the 70-75 DNL. When the 1997 walk through and report of the facility was completed by the program consultant, it was concluded that the primary noise paths are the single-glazed steel windows and the second floor exposure to the flight track for westerly departures. To implement sound insulation and approximate noise level reduction, it was concluded that the school would have to be brought up to current building codes before any noise level reduction improvements could be started. Acquisition of the school will remove approximately 150 students from the 70-75 DNL. The anticipated timeframe is to have the project completed by the end of calendar year 2004 at a cost not to exceed \$550,000.

The Noise Compatibility Program (NCP) was approved on July 18, 2003 and listed LU-13, Install sound insulation improvements at Swanton Township School. The Detroit Airports District Office concurs with the Airport's request to change LU-13 from "install sound insulation improvements at Swanton Township School" to "acquire Swanton Township School."

The Great Lakes Region has reviewed and evaluated the proposed revision to the NCP and has concluded that it is consistent with the intent of the Act and meets the standards set forth in FAR Part 150. This coordination included the Offices of the Regional Counsel, Air Traffic, Airport Planning and Programming Branch, Flight Standards, and Airways Facilities. No comments were received from the other lines of business.

We are pleased to forward this revision to the NCP for the Toledo Express Airport for your consideration. We request the appropriate approval of the submitted materials.



Irene R. Porter

Attachments


FEDERAL AVIATION ADMINISTRATION

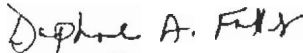
RECORD OF APPROVAL

AMENDMENT TO THE FAR PART 150 NOISE COMPATIBILITY PROGRAM

TOLEDO EXPRESS AIRPORT

TOLEDO, OHIO

 6/4/04    
Assistant Administrator for Policy, Planning, and Environment, AEP-1 Date Concur Nonconcur

 - 6/23/04    
Chief Counsel, AGC-1 Date Concur Nonconcur

 7/1/04    
Associate Administrator for Airports, ARP-1 Date Approved Disapproved

RECORD OF APPROVAL  
REVISION TO  
14 C.F.R. PART 150 NOISE COMPATIBILITY PROGRAM FOR  
TOLEDO EXPRESS AIRPORT  
APPROVED BY THE FAA ON 07/15/2003

INTRODUCTION

On July 15,2003, the FAA approved the Noise Compatibility Program (NCP) for the Toledo-Express Airport (TOL). The NCP included ten (10) measures, all of which the FAA approved. Land use measure LU-13 is described below. After sound attenuation was approved by the FAA for the Swanton Township Elementary School, the Swanton Township School Board approached the Airport and requested that the school be acquired instead of sound attenuated because of difficult technical issues associated with complying with the current building code that would significantly impact the successful implementation of sound attenuation and which were not discovered during a preliminary review of the property. The revised recommendation is described below, and the sponsor's justification is included in the attached documentation. On March 18,2002. Paul Toth, Airport Director made a public presentation on the proposed amendment; during the public comment period from January 14,2004 to March 13, 2004, there were no public comments. The FAA evaluated the Noise Exposure Maps (NEM) that were determined in compliance on January 24,2003. These NEMs continue to represent the present and forecast noise environment at TOL,

Statements within the program measures below summarize as closely as possible the airport operator's recommendations contained in the NCP for this measure. The statements within the summary, which precedes the indicated FAA approval, disapproval, or other determination, do not represent the opinions or decisions of the FAA. The page numbers in parentheses cross-reference the submitted document/addenda and the pages in the original NCP.

The approvals listed herein include approvals of actions that the Toledo-Lucas County Port Authority recommends be taken by the FAA. The approvals indicate only that the actions, if implemented, be consistent with the purposes of Part 150. FAA approvals do not constitute decisions to implement the actions. Later decisions concerning possible implementation of the action may be subject to applicable environmental or other procedures or requirements.

**ORIGINAL RECOMMENDATION:**

**LU-13: Install Sound Insulation at Swanton Township Elementary School.**

**Description:** Swanton Township Elementary School on the south side of Airport Highway is impacted by daytime noise levels above 65 DNL. It is proposed that the

Toledo-Lucas County Port Authority offer to install sound attenuation improvements in the school, subject to the approval of the Swanton School District.  
[Pages 7-31, 7-32, Toledo Express Airport Part 150 Study Update, Final, October 1998]

**ORIGINAL FAA DETERMINATION:**

**FAA Action: Approved.**

**REVISED RECOMMENDATION:**

**I.U-13: Acquire Swanton Township Elementary School.**

**Description:** The Port Authority plans to acquire the Swanton Township Elementary School. This school is impacted by the 70-75 DNL contour shown on the Existing (2002) Conditions Noise Exposure Map, which was accepted by FAA on January 24, 2003 to be in compliance with FAR Part 150. The School is located on the south side of Airport Highway, east of Wilkins Road. An inspection of the structure by qualified acoustical engineers determined that successful sound attenuation was possible, but could not be attained unless a significant amount of additional work is done to bring the school building up to the current building code. This additional work would be the financial responsibility of the Swanton Township School Board. The School Board then approached the Airport to determine if the property would be eligible for acquisition. [December 30, 2003 letter to the Federal Aviation Administration, Proposed Change]

**FAA Action: Approved.**

KEVISION OF THE NOISE COMPATIBILITY PROGRAM  
FOR TOLEDO EXPRESS AIRPORT, TOLEDO, OHIO, APPROVED BY THE  
FEDERAL AVIATION ADMINISTRATION ON JULY 18, 2003

PROPOSED CHANGE

The Toledo-Lucas County Port Authority (the Airport Sponsor) is submitting an amendment to its Part 150 Noise Compatibility Program Update, Final October 1998 (1998 NCP) and Supplemental Part 150 Study to the Final 1998 Noise Compatibility Program, January 2003 (2003 Supplement to the NCP). The Federal Aviation Administration (FAA) approved these documents, submitted as one NCP, on July 18, 2003. The amendment being offered by the airport sponsor is for one measure of the Noise Compatibility Program, Measure LU-13, Install sound insulation improvements at Swanton Township Elementary School and is described on page 7-31 of the 1998 NCP and page 33 of the 2003 Supplement to the NCP (see *Attachment I*).

One of the implementation actions included in this measure was the need for a detailed inspection of the structure by qualified acoustical engineers to determine current sound attenuation characteristics and the potential for successful sound insulation. The description of the measure also stated that difficult technical issues associated with complying with the current building code that would impact the successful implementation of sound insulation at the Swanton Township School. A detailed inspection, described below in the section entitled "ALTERNATIVES CONSIDERED / RECOMMENDED IMPLEMENTATION" was undertaken. As a result of this inspection the Airport Sponsor requests this program measure be changed from sound insulation as described above to the acquisition of the Swanton Township School by the Toledo-Lucas County Port Authority. This proposed change is based on the consultation described below in the section entitled "CONSULTATION DOCUMENTATION" which describes the discussions between representatives of the Airport Sponsor and the Swanton Township School Board.

CONSULTATION DOCUMENTATION

The Swanton Township School Board approached the Airport Sponsor to discuss the possibility of the school being acquired rather than sound attenuated (see *Attachment 2*). This was based in part on the findings of a detailed report (see *Attachment 4*), indicating technical problems associated with implementing sound attenuation in the school building. The Airport Sponsor then contacted the FAA to amend measure LU-13 in the currently approved Noise Compatibility Program. The Detroit Airports District Office advised the Airport Sponsor that they must coordinate this with the Swanton Township School Board, supply written documentation of this request, and provide an opportunity for public comment. Public coordination was completed on March 18, 2002. A memorandum to the community and meeting minutes of the presentation are referenced in *Attachment 3*. Paul Toth, Airport Director, made a presentation at the Swanton Local

Board of Education meeting on March 18, 2002. He explained the procedures for changing the NCP measure, LU-13, from sound insulation to acquisition in the approved Part 150 NCP. He also discussed the timelines associated with the potential acquisition of the Swanton Township School located at 12035 Airport Highway, Swanton Township, Lucas County, Ohio. The public was afforded an opportunity after the presentation at the meeting to provide comment by asking the Airport Sponsor or the School Board if there were any questions after the presentation. There were no questions at the meeting and the Airport Sponsor and School Board decided to continue the process for ultimate acquisition of the school by requesting an amendment to the NCP Record of Approval.

#### ANALYSIS OF EFFECT OF REVISION

This program change will not require the noise exposure maps (NEM), which were accepted on January 24, 2003, to be updated. The school is currently located in the 70-75 DNL. Both the existing measure and the proposed measure would resolve the noise issue at the school property. However, sound attenuation would only reduce the noise inside the school facility. On the other hand, acquisition of the school by the Airport Sponsor would ensure that the school property would not be used for any non-compatible uses. Sound insulating the school would cost at least 5632,500 and would also require significant additional work to bring the school building up to the current building codes, which cost would be the responsibility of the School Board. Further discussion of the costs of acquiring the school can be found in the next section.

#### ALTERNATIVES CONSIDERED/IMPLEMENTATION RECOMMENDATION

The current implementation measure in the approved Noise Compatibility Program is to sound insulate the school. This was re assessed in 1997 (see *Attachment 4*, Report, Preliminary Sound Attenuation Evaluation, Swanton Township School, Airport Highway, Swanton, Ohio) during a walk through of the facility and an evaluation of the existing mechanical systems, building structure, and building code requirements. The report concluded that the primary noise paths are the single-glazed steel windows and the second floor exposure to the flight tracks for the westerly departures. Given the age and condition of the school building, it was concluded that the school would have to undergo massive upgrades to be brought up to current building codes before any sound insulation improvements could be started. This included, but was not limited to, ventilation improvements, repairs to the exterior masonry, and steel angles at the window heads, which would need to be completed prior to the installation of the new window units/assemblies. The 1997 cost estimates for sound attenuation ranged between \$300,000 and \$500,000. The cost estimate was reevaluated in 2000 and again in 2003 and is currently estimated to be approximately \$632,500.

The measure being proposed in this amendment would be for the Toledo-Lucas County Port Authority to acquire the school building and the associated property from the Swanton Township School Board. This would eliminate this school property from any non-compatible land use. The students were relocated to a newly built facility. This new school is not located in the existing 2002 65 DNL or greater noise contours or the 2007

65 DNL or greater noise contours. Acquisition costs would not exceed \$550,000. Funds are available from the previous sound proofing effort and the funds need to be used by approximately June of 2004.