

# *Elements of a Noise Compatibility Program*

## ● **Noise Abatement Alternatives**

Purpose: To **reduce** noise levels in surrounding communities

Types of noise abatement alternatives:

- Flight location (e.g., moving arrival and departure flight corridors)
- Runway use program (e.g., how often runway ends are used)
- Ground activity restrictions (e.g., run-up locations/time)
- Facility development (e.g., runway extensions, noise barriers)
- Flight restrictions (e.g., mandatory curfews/restrictions - would require Part 161 Study)

## ● **Land Use Mitigation Alternatives**

Purpose: To **mitigate** noise levels in surrounding communities

Types of land use mitigation alternatives:

- Corrective (e.g., sound insulation, land acquisition)
- Preventive (e.g., re-zoning program, building codes)

## ● **Program Management Alternatives**

Purpose: To **recommend** community outreach programs

Types of program management alternatives:

- Community roundtable/noise abatement committee
- Noise complaint website or telephone hot-line
- Regular update of NEM and review of NCP

# Noise Compatibility Program

## Estimated Cost

MEASURE ID	TYPE OF MEASURE	DIRECT COST (TOTAL)	DIRECT COST TO FAA (80% SHARE)	DIRECT COST TO AIRPORT (20% SHARE)	DIRECT COST TO LOCAL GOVERNMENT	DIRECT COST TO USERS
<b>MITIGATION MEASURES (CORRECTIVE)</b>						
M-A	Sound insulate 64 eligible single- & multi-family housing units	\$4,000,000	\$3,200,000	\$800,000	None	None
M-B	Acquire 7 eligible single-family housing units	\$2,450,000	\$1,960,000	\$490,000	Potential loss of tax base	None
M-C	Acquire 103 eligible mobile homes including 102 Birchwood Mobile Estates mobile homes	\$11,568,000 (mobile homes & mobile home property)	\$9,254,400 (mobile homes & mobile home property)	\$2,313,600 (mobile homes & mobile home property)	Potential loss of tax base	None
M-D	Acquire avigation easements to owner-occupied single- and multi- family homes within NMPA #1 and #2 if acquisition and/or sound-insulation is declined	\$192,000	\$153,600	\$38,400	None	None
M-E	Acquire avigation easement to 1 mobile homes within NMPA #1 if acquisition is declined	\$3,000	\$2,400	\$600	None	None
M-F	Acquire avigation easement to 2 mobile homes within NMPA #2	\$6,000	\$4,800	\$1,200	None	None
<b>SUBTOTAL <sup>(1)</sup></b>		<b>\$17,576,500</b>	<b>\$14,061,200</b>	<b>\$3,515,300</b>	<b>Minimal administrative costs; plus loss of tax base</b>	<b>None</b>
<b>MITIGATION MEASURES (PREVENTATIVE)</b>						
M-G	Develop an Airport Land Use Management District (ALUMD)	\$50,000	None	\$50,000	Minimal	None
M-H	Adopt Updated Subdivision Regulations	\$50,000	None	\$50,000	Minimal	None
M-I	Adopt Improved Building Codes	\$50,000	None	\$50,000	Minimal	None
M-J	Develop a Voluntary Fair Disclosure Program	\$50,000	None	\$50,000	Minimal	None
<b>SUBTOTAL</b>		<b>\$200,000</b>	<b>\$0</b>	<b>\$200,000</b>	<b>Minimal administrative costs; plus loss of tax base</b>	<b>None</b>
<b>PROGRAM MANAGEMENT MEASURES</b>						
P-A	Continue Logging of Noise Complaints	Minimal Administrative Costs	None	Minimal Administrative Costs	None	None
P-B	Initiate Community Roundtable or Noise Abatement Committee	Minimal Administrative Costs	None	Minimal Administrative Costs	None	None
P-C	Perform Regular Updates to the NEMs and Review of NCP	\$350,000 to \$400,000	\$280,000 to \$320,000	\$70,000 to \$80,000	None	None
	- Update NEM ONLY	\$650,000 to \$750,000	\$520,000 to \$600,000	\$130,000 to \$150,000	None	None
	- Update NEM & NCP	\$350,000 to \$400,000	\$280,000 to \$320,000	\$70,000 to \$80,000	None	None
<b>SUBTOTAL</b>		<b>\$350,000 to \$750,000 plus administrative costs</b>	<b>\$280,000 to \$600,000 plus administrative costs</b>	<b>\$70,000 to \$150,000 plus administrative costs</b>	<b>None</b>	<b>None</b>
<b>ALL NOISE COMPATIBILITY PROGRAM MEASURES</b>						
<b>TOTAL</b>		<b>\$18,126,500 to \$18,526,500 plus other administrative, operational, and maintenance costs</b>	<b>\$14,501,200 to \$14,821,200 plus other administrative, operational, and maintenance costs</b>	<b>\$3,625,300 to \$3,705,300 plus other administrative, operational, and maintenance costs</b>	<b>Minimal administrative costs; loss of tax base</b>	<b>Minimal</b>

(1) Total cost for land use mitigation measures is the maximum possible mitigation cost and assumes 100 percent participation in program by eligible property owners. Property owners participating would also have to ensure they meet both the eligibility requirements for interior noise levels and the year the property was built. In addition, some property owners may choose one measure over another which would reduce overall costs. All costs are in 2020 dollars



# Noise Compatibility Program Recommended Measures

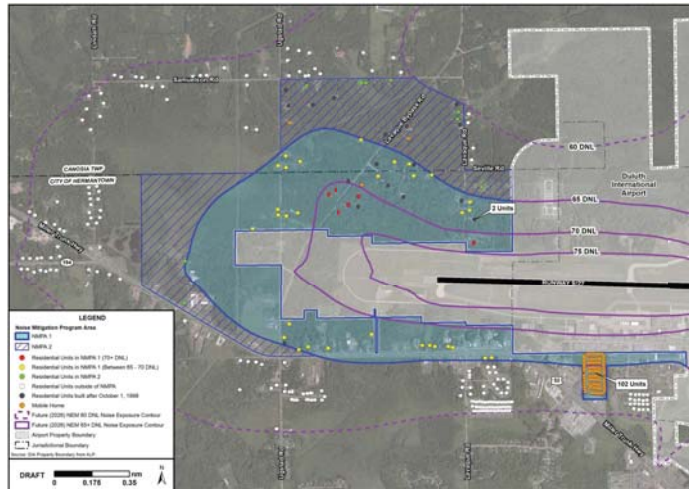
## LAND USE MITIGATION - CORRECTIVE

### MEASURE M-A, M-D, M-E, M-F

- Residential Sound Insulation Program (RSIP)
  - up to 64 homes
  - includes aviation easement

### MEASURE M-B, M-C

- Land acquisition
  - up to 7 homes (inside 70 DNL)
  - up to 103 mobile homes

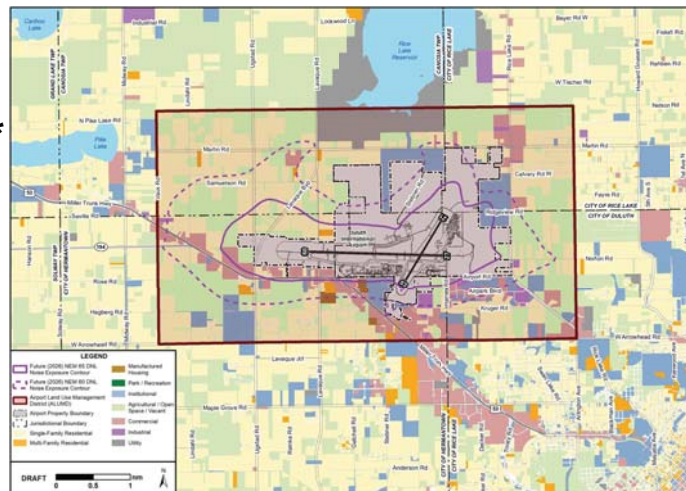


## LAND USE MITIGATION - PREVENTATIVE

### MEASURE M-G, M-H, M-I, M-J

- Airport Land Use Management District (ALUMD)\*
  - Updated subdivision regulations
  - Improved building codes
  - Voluntary fair disclosure program

\* At the discretion of each municipality to implement.



## PROGRAM MANAGEMENT

### MEASURE P-A, P-B, P-C

- Continued logging of noise complaints
- Community round table or noise abatement committee
- Regular updates to NEM and NCP as needed

# Noise Mitigation Program Area (NMPA)

