



U.S. Department
of Transportation

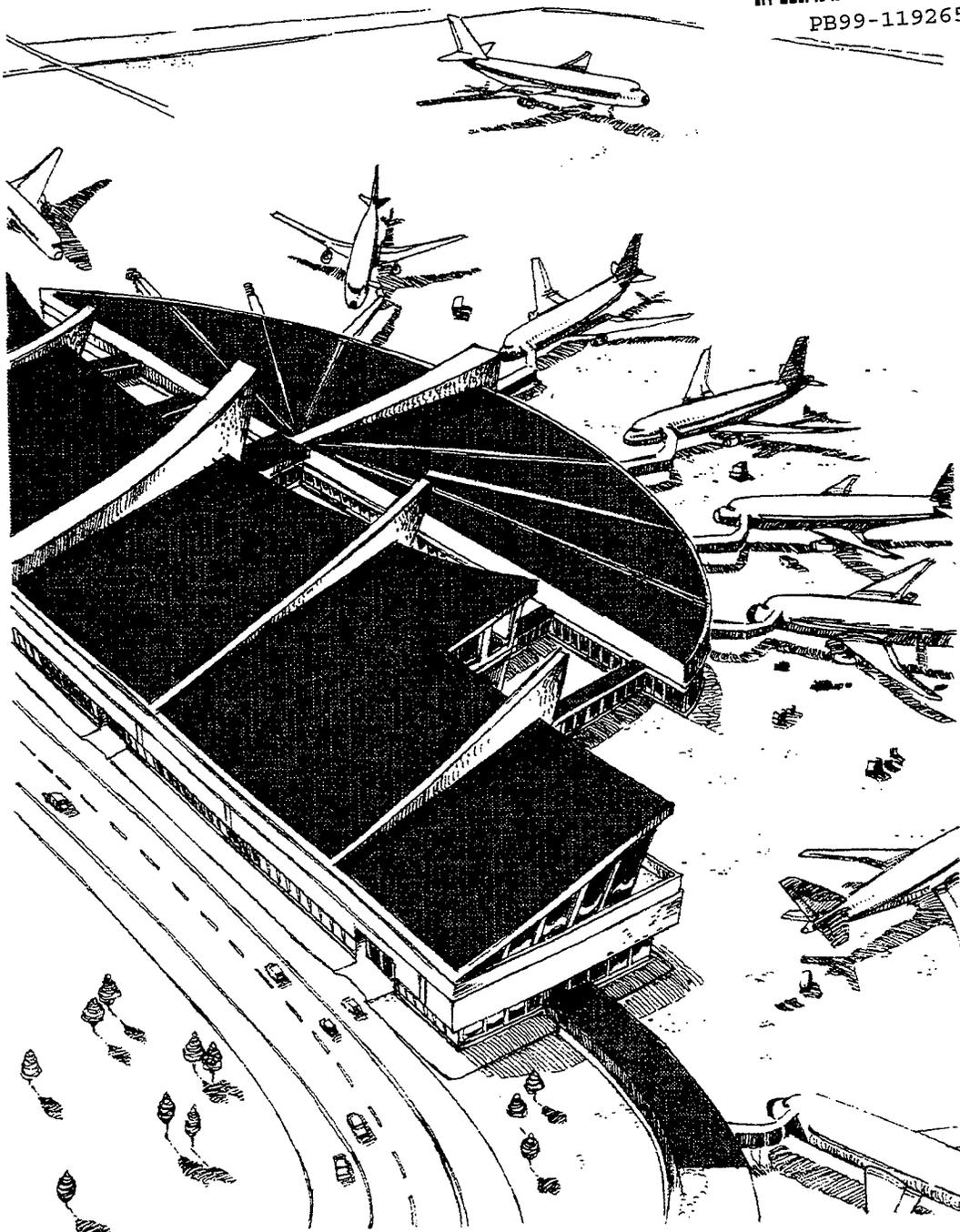
Federal Aviation
Administration

REPORT TO CONGRESS

NATIONAL PLAN OF INTEGRATED AIRPORT SYSTEMS (NPIAS) 1993-1997



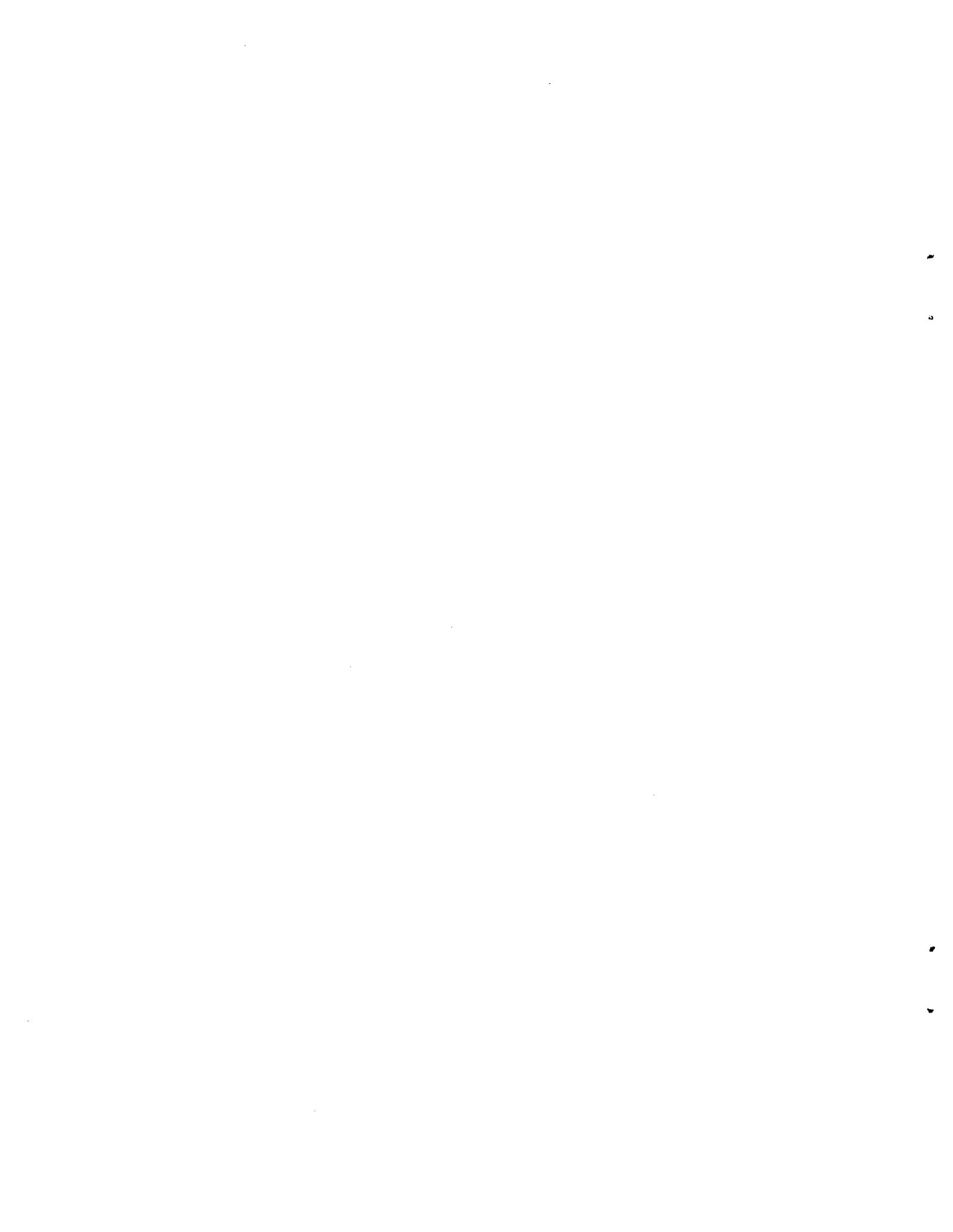
PB99-119265



April 1995
Washington, DC 20590

REPRODUCED BY: **NTIS**
U.S. Department of Commerce
National Technical Information Service
Springfield, Virginia 22161

Report of the Secretary of Transportation
to the United States Congress pursuant to
Section 47103 of Title 49 of United States Code



National Plan of Integrated Airport Systems (NPIAS) 1993 - 1997

Report of the Secretary of Transportation
to the United States Congress pursuant to
Section 47103 of Title 49 of United States
Code



U.S. Department of Transportation
Federal Aviation Administration



THE SECRETARY OF TRANSPORTATION

WASHINGTON, D.C. 20590

April 7, 1995

The Honorable Albert Gore, Jr.
President of the Senate
Washington, DC 20510

Dear Mr. President:

I am pleased to transmit to you the National Plan of Integrated Airport Systems (NPIAS), 1993-97, as required by Section 47103 of Title 49 of United States Code. The NPIAS estimates the costs associated with establishing a system of airports adequate to meet the needs of civil aviation and to support the Department of Defense and the Postal Service. It draws selectively from local, regional, and State planning studies. The estimates represent the total cost of airport development items which are eligible for Federal aid under the Airport and Airway Improvement Act of 1982.

As you know, as part of our restructuring of the Department of Transportation, we are currently reviewing all of our infrastructure investment programs, including the Airport Improvement Program. The information in the NPIAS will be taken into consideration during our review.

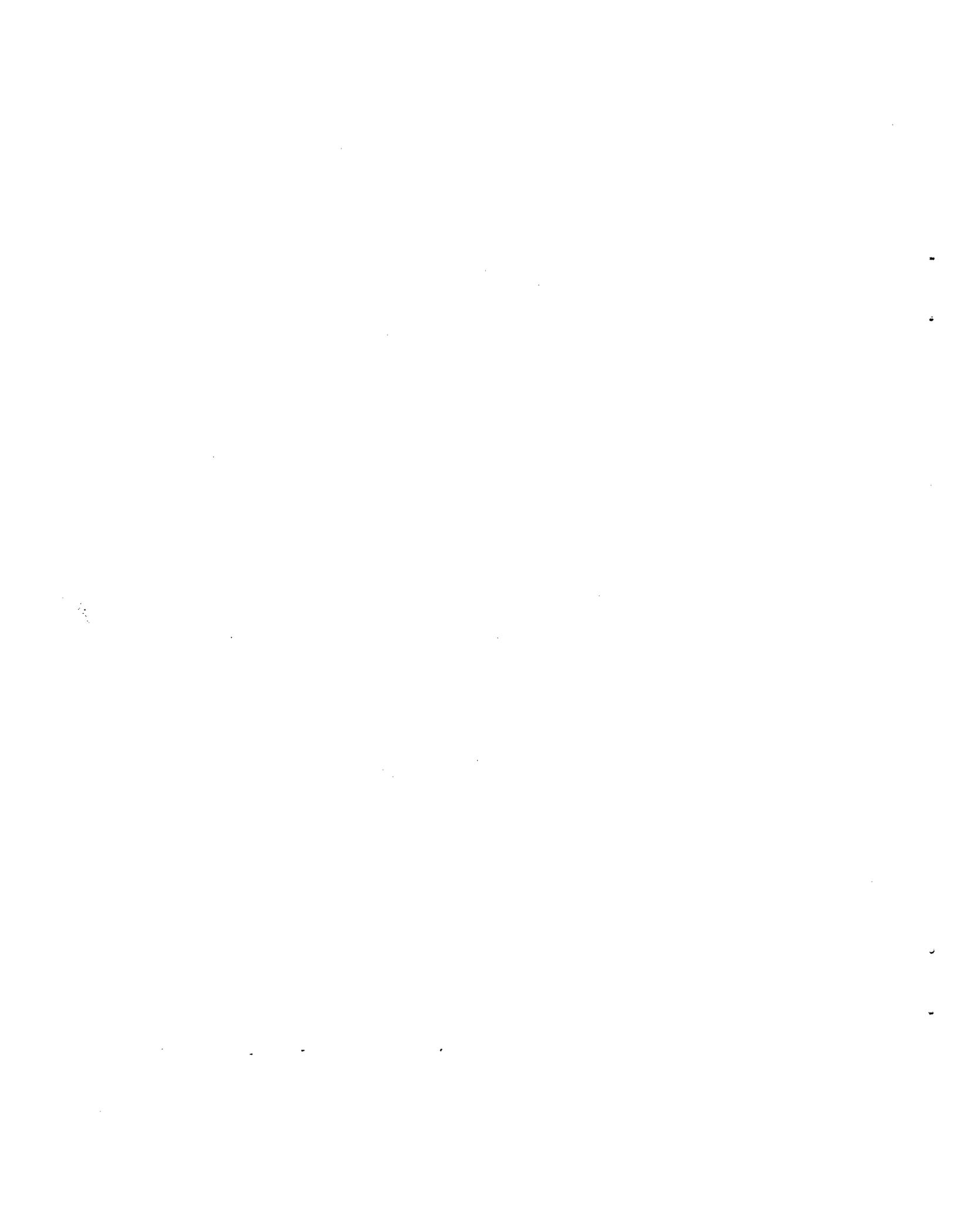
A report has also been sent to the Speaker of the House of Representatives.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Federico Peña'.

Federico Peña

Enclosure





THE SECRETARY OF TRANSPORTATION
WASHINGTON, D.C. 20590

April 7, 1995

The Honorable Newt Gingrich
Speaker of the House of Representatives
Washington, DC 20515

Dear Mr. Speaker:

I am pleased to transmit to you the National Plan of Integrated Airport Systems (NPIAS), 1993-97, as required by Section 47103 of Title 49 of United States Code. The NPIAS estimates the costs associated with establishing a system of airports adequate to meet the needs of civil aviation and to support the Department of Defense and the Postal Service. It draws selectively from local, regional, and State planning studies. The estimates represent the total cost of airport development items which are eligible for Federal aid under the Airport and Airway Improvement Act of 1982.

As you know, as part of our restructuring of the Department of Transportation, we are currently reviewing all of our infrastructure investment programs, including the Airport Improvement Program. The information in the NPIAS will be taken into consideration during our review.

A report has also been sent to the President of the Senate.

Sincerely,

A handwritten signature in black ink, appearing to read 'Federico Peña'.

Federico Peña

Enclosure

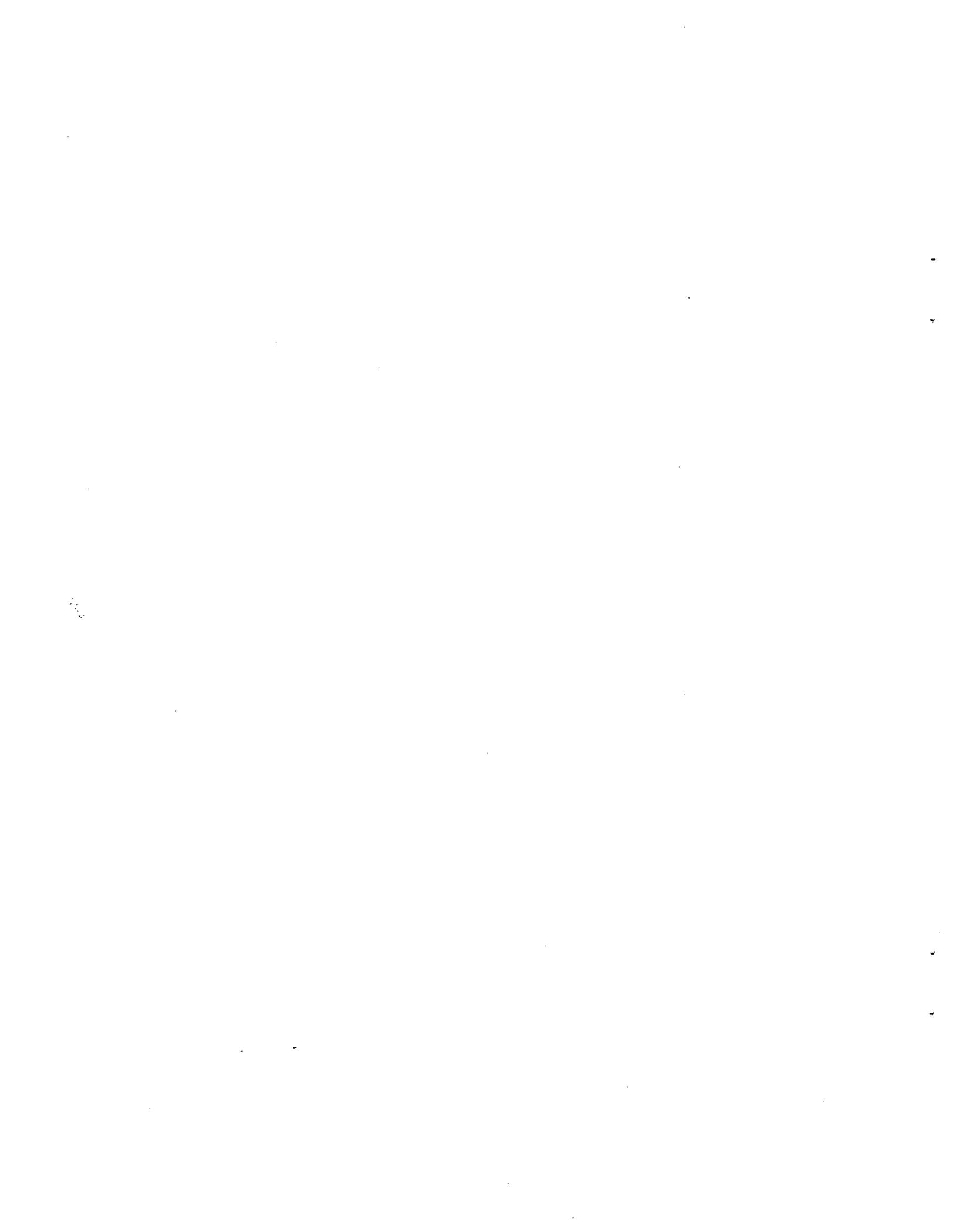


Table of Contents

	Page
Executive Summary.....	v
CHAPTER 1 - SYSTEM COMPOSITION	
Overview.....	1
Guiding Principles for the National Airport System.....	1
Relationship to the National Transportation System.....	2
Commercial Service Airports.....	2
Large Hubs.....	2
Medium Hubs.....	3
Small Hubs.....	3
Nonhub Primary.....	4
Other Commercial Service.....	4
Reliever Airports.....	4
General Aviation Airports.....	4
Airports Not Included in NPIAS.....	5
State Plans Include More Airports.....	5
CHAPTER 2 - CONDITION AND PERFORMANCE	
Overview.....	9
Application.....	9
Capacity.....	10
Non-Capital Alternatives.....	13
Safety.....	14
Aircraft Noise.....	17
Pavement Condition.....	19
Accessibility.....	20
Financial Performance.....	23
CHAPTER 3 - ACTIVITY FORECASTS	
Overview.....	27
Activity Forecasts.....	27
Implications of Forecasts.....	29
Other Factors.....	30
Cargo.....	31
Innovations.....	32
Conversion of Surplus Airfields.....	32
Air Quality.....	32
CHAPTER 4 - DEVELOPMENT REQUIREMENTS	
Overview.....	33
Process.....	33
Additional Costs Not Included in the NPIAS.....	34
Development Categories.....	34
Safety and Security.....	34
Reconstruction.....	34
Standards.....	35
Environment.....	35

Terminal Building.....35
Access.....36
Airfield Capacity.....36
New Airports.....36

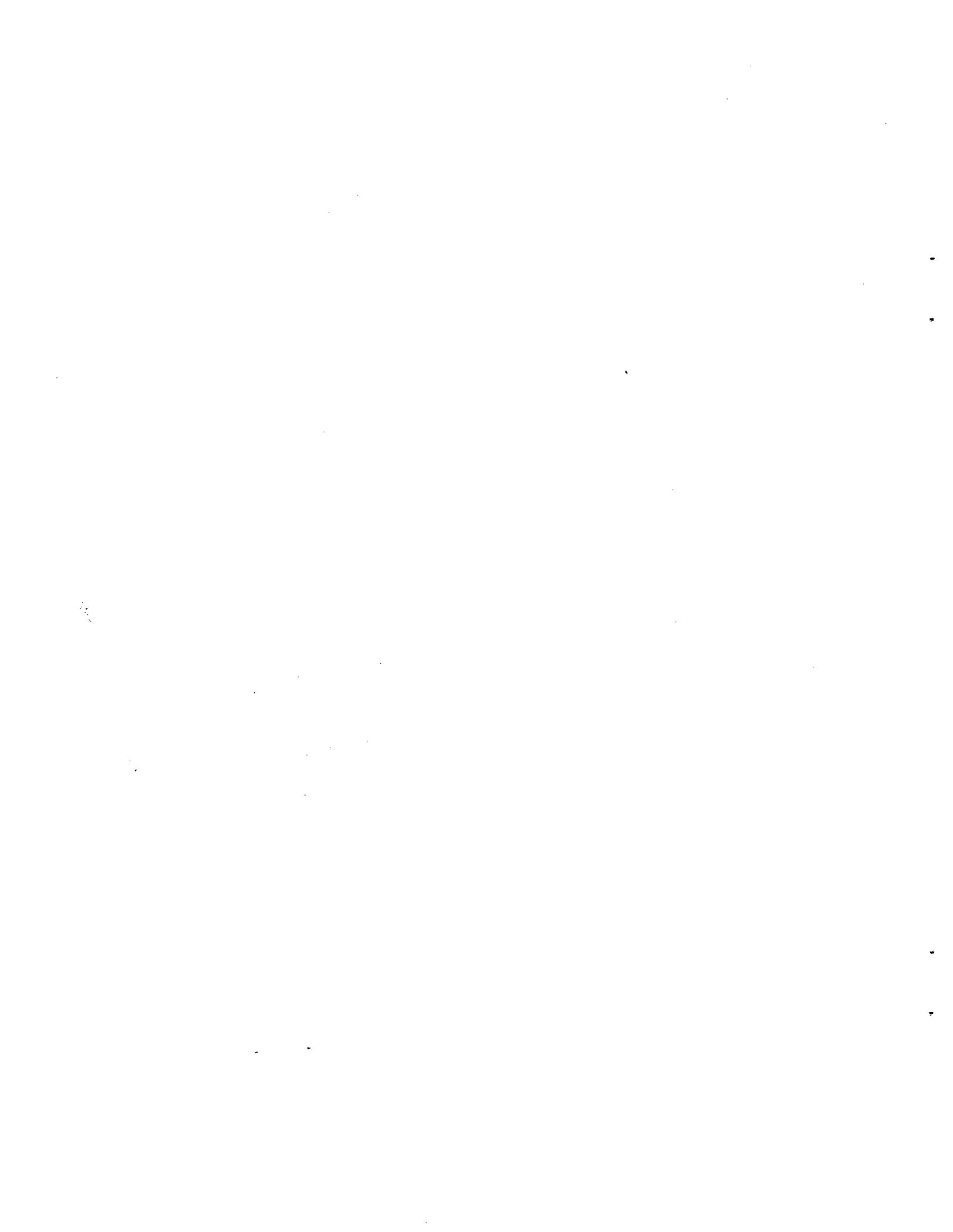
Appendix A-List of NPIAS Airports with Selected Data.....A-1
Appendix B-Regional Offices' Addresses and Telephone Number.B-1

Tables

1-1	Distribution of Activity.....	3
2-1	Severely Congested Airports.....	11
2-2	Activity at Large Hubs.....	14
2-3	Population within 20 miles of a NPIAS Airport.....	21
2-4	Estimated Airport Expenditures.....	24
2-5	Estimated Airport Income.....	25
3-1	Aviation Activity Forecasts.....	28
4-1	NPIAS Cost by Airport and Development Category.....	37

Figures

1	NPIAS Cost by Airport Type.....	vi
2	NPIAS Cost by Type of Development.....	vi
1-1	Number of Airports by Ownership and Use.....	6
1-2	Geographic Coverage.....	7
2-1	Record Delays Predicted by 2000.....	12
2-2	Accident Rates.....	15
2-3	Runway Incursions.....	16
2-4	Population Exposed to High Noise Levels Compared to Enplanements.....	18
2-5	Runway Pavement Condition.....	20
2-6	Accessibility of Selected Airports.....	22



EXECUTIVE SUMMARY

The National Plan of Integrated Airport Systems (NPIAS) is submitted to Congress in accordance with Section 47103 of Title 49 of United States Code. The plan identifies 3,294 existing airports that are significant to air transportation and includes estimates that \$30 billion in development will be needed over the next 5 years to meet the needs of all segments of civil aviation.

The NPIAS includes a section on the condition and performance of the airport system, highlighting six topics: safety, capacity, pavement condition, financial performance, accessibility, and noise. The findings are generally favorable, indicating that the system is safe, convenient, well maintained, and largely supported by rents, fees, and taxes paid by users. Problems are apparent in some areas, with a large number of people exposed to high noise levels, airfield congestion at some of the busiest airports, and limited access to most busy airports.

The noise situation is improving due to industry and Government efforts to replace noisy aircraft and obtain a quieter aircraft fleet. The population exposed to high noise levels is expected to decline from the current 2.4 million to 0.4 million by the turn of the century.

A longstanding trend toward ever greater air traffic delays has been arrested, at least temporarily, by measures such as the construction of new runways and more efficient use of existing capacity. The Federal Aviation Administration's (FAA) goal is to prevent any trend to increase delays in the future.

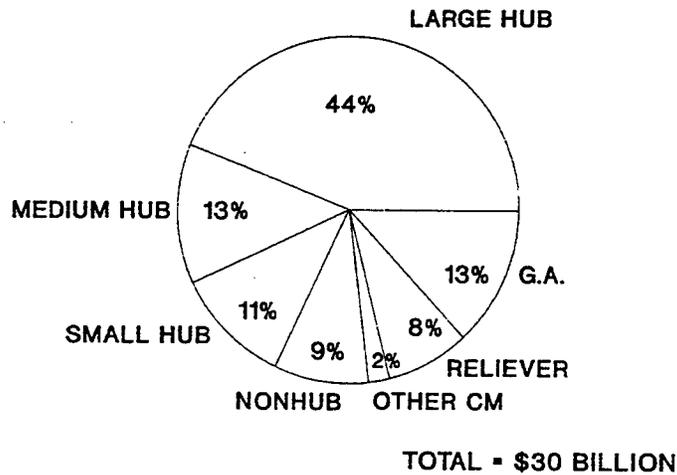
Most citizens have excellent access to air transportation, with 98 percent of the population living within 20 miles of a NPIAS airport. The primary mode for ground access is by highway, but congestion and air pollution problems are stimulating interest in improved transit linkages. The FAA has work underway to survey current conditions, determine the optimum mix of highway and other modes, and provide guidelines for including access facilities in airport plans and development.

The estimates of future airport development included in this report were obtained primarily from airport master and system plans that were prepared by planning and engineering firms for state and local agencies. These plans are usually funded in part by the FAA, are consistent with FAA forecasts of aeronautical activity, follow FAA guidelines, and have been reviewed and accepted by FAA planners who are familiar with local conditions. Every effort has been made to obtain a realistic estimate of development needs that coincides with local and state capital improvement plans.

Airports with significant commercial service account for 79 percent of the \$30 billion total, reliever airports serving general aviation in metropolitan areas account for 8 percent, and general aviation airports account for 13 percent.

FIGURE 1

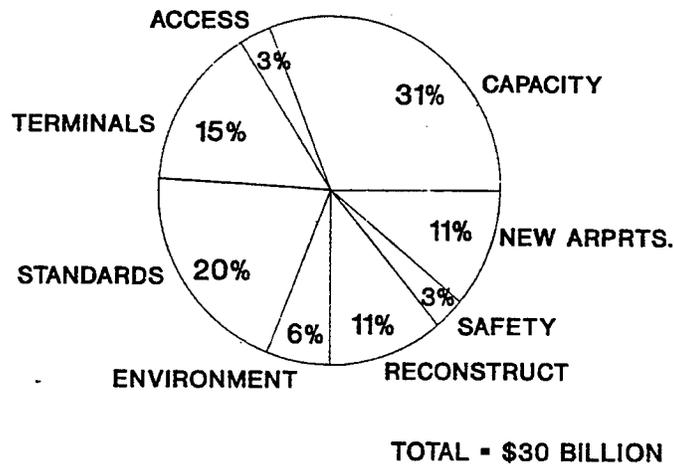
NPIAS COST BY AIRPORT TYPE



The purpose of NPIAS development is primarily to bring existing airports up to current design standards and add capacity to congested airports. A significant amount (15 percent) is for the development of passenger terminal buildings. This is an increasingly important area of investment, as terminals are modified, expanded, and replaced to accommodate larger aircraft.

FIGURE 2

NPIAS COST BY TYPE OF DEVELOPMENT



CHAPTER 1

SYSTEM COMPOSITION

Overview

The United States accounts for approximately 40 percent of all commercial aviation and 50 percent of all general aviation activity in the world. An extensive system of airports has been developed to support this activity. A primary purpose of the NPIAS is to identify the airports that are important to national transportation and, therefore, eligible to receive grants under the Airport Improvement Program (AIP). The NPIAS is composed of all commercial service airports, all reliever airports, and selected general aviation airports. The word "airport" includes landing areas developed specifically for helicopters and seaplanes as well as conventional fixed wing aircraft landing areas.

Guiding Principles for the National Airport System

The airport system was envisioned more than 50 years ago, when civil aviation was in its infancy, and it has been developed and nurtured by close cooperation among Federal, state, and local agencies. The general principles guiding Federal involvement have remained unchanged; the airport system should have the following attributes to meet the demand for air transportation:

- o Airports should be safe and efficient; located at optimum sites; and developed and maintained to appropriate standards.
- o The system should be extensive, providing as many people as possible with convenient access to air transportation, defined as 30 minutes ground travel time to the nearest civil airport.
- o Airports should be affordable to both users and Government, relying primarily on user fees and placing minimal burden on the general revenues of local, state, and Federal Government.
- o Airports should be flexible and expandable, able to meet increased demand and to accommodate new aircraft types.
- o Airports should be permanent, with assurance that they will remain open for aeronautical use over the long term.

- o Airports should be compatible with surrounding communities, maintaining a balance between the needs of aviation and the requirements of residents of neighboring areas.
- o The airport system should help air transportation contribute to a productive and competitive national economy.

Relationship to the National Transportation System

The Department of Transportation is in the process of developing a National Transportation System (NTS) initiative to provide a policy planning framework for strategic decisionmaking. The Department will develop geographic information system (GIS) displays of illustrative components of the transportation system, service levels and their interaction with important national economic, environmental and social goals. The NPIAS will be a useful resource for NTS activities, because it describes the roles that various airports play and illustrates the importance of aviation to national transportation.

Commercial Service Airports

Commercial Service Airports are defined as airports receiving scheduled passenger service and having 2,500 or more enplaned passengers per year. There are currently 554 commercial service airports, and they are all included in the NPIAS. Of these, 415, which have more than 10,000 enplanements, are classified as primary airports. These airports received an apportionment of at least \$400,000 in AIP funds during fiscal year 1993, with the amount determined by the number of enplaned passengers.

Large Hubs

The term "hub" is used by the FAA to identify very busy commercial service airports. For instance, large hubs are those airports that account for at least 1 percent of the total passenger enplanements. Some enplanements originate in the surrounding community and some consist of passengers transferring from one flight to another. Several large hub airports have very little passenger transfer activity (LaGuardia, Washington National, and San Diego International-Lindbergh Field, for example) while transfers account for more than half of the traffic at others (Atlanta, Pittsburgh, and St. Louis, for example). Together the 29 large hub airports account for 66 percent of all passenger enplanements. Large hub airports tend to concentrate on airline passenger and freight operations. Four large hub airports (Phoenix, Honolulu, Las Vegas, and Salt Lake City) have an average of 435 based aircraft, but the other 25 large hubs average only 42 based aircraft each. Thus, general aviation plays a relatively small role at most large hubs.

The Nation's air traffic delay problems are concentrated at large hub airports where the average aircraft operation is delayed 7.9 minutes. Delays occur primarily during instrument weather conditions when runway capacity is reduced below the requirement of airline schedules.

Medium Hubs

Medium hubs are defined as airports that account for between 0.25 percent and 1 percent of the total passenger enplanements. There are 39 medium hub airports and together they account for 21 percent of all enplanements. Medium hub airports usually have sufficient capacity to accommodate air carrier operations and a substantial amount of general aviation. Medium hub airports have an average of 236 based general aviation aircraft. Air traffic delays average 5.3 minutes per operation and severe delays in excess of 15 minutes are unusual.

Small Hubs

Small hubs are defined as airports that enplane 0.05 percent to 0.25 percent of the total passenger enplanements. There are 79 small hub airports that together account for 8.6 percent of all enplanements. Less than 25 percent of the runway capacity at small hub airports is used by airline operations, so these airports can have a great deal of general aviation activity, with an average of 149 based aircraft. These airports are typically uncongested and do not account for significant air traffic delays.

TABLE 1-1

DISTRIBUTION OF ACTIVITY		
AIRPORT TYPE	% OF ALL ENPLANEMENTS	% OF ALL AIRCRAFT
29 LARGE-HUB PRIMARY	66.3	1.4
39 MEDIUM-HUB PRIMARY	21.2	4.6
79 SMALL-HUB PRIMARY	8.6	5.9
268 NON-HUB PRIMARY	2.9	10.4
139 OTHER COMMERCIAL SERVICE	1.0	4.8
290 RELIEVERS	0	28.6
2,450 GENERAL AVIATION	0	34.8
3,294 NPIAS AIRPORTS PLUS 366 PROPOSED NEW NPIAS ARPTS.	100.0	90.5
14,900 LOW ACTIVITY LANDING AREAS (NON-NPIAS)	0	9.5

Nonhub Primary

Commercial service airports that enplane less than 0.05 percent of all commercial passenger enplanements but at least 10,000 annually are categorized as nonhub primary airports. There are 268 nonhub primary airports that together account for 2.9 percent of all enplanements. These airports are heavily used by general aviation aircraft, with an average of 74 based aircraft.

Other Commercial Service

Commercial service airports enplaning 2,500 to 10,000 passengers annually are categorized as other commercial service airports. There are 139 of these airports in the NPIAS, and they account for 1 percent of all enplanements. These airports are used mainly by general aviation and have an average of 71 based aircraft.

Reliever Airports

General aviation pilots often find it difficult and expensive to gain access to congested airports, particularly large and medium hub airports. In recognition of this, the FAA has encouraged the development of high capacity general aviation airports in major metropolitan areas. These specialized airports, called relievers, provide pilots with an attractive alternative to using congested hub airports. They also provide general aviation access to the surrounding area. The 290 reliever airports have an average of 207 based aircraft and together account for 29 percent of the Nation's aircraft fleet. All of the airports that are designated as relievers by the FAA are included in the NPIAS.

General Aviation Airports

Communities that do not receive scheduled commercial service may be included in the NPIAS as sites for general aviation airports if they account for enough activity (usually at least 10 locally owned aircraft) and are at least 30 minutes from the nearest NPIAS airport. The activity criterion may be relaxed for remote locations or other mitigating circumstances. The 2,450 general aviation airports in the NPIAS are usually distributed on a one-per-county basis in rural areas and are often located near the county seat. These airports, with an average of 28 based aircraft, account for 35 percent of the Nation's general aviation fleet.

They are the most convenient source of air transportation for about 19 percent of the population and are particularly important to rural areas.

Airports Not Included in NPIAS

Over 1,000 publicly owned public use landing areas are not included in the NPIAS. Most of these do not meet the minimum entry criteria of 10 based aircraft and 30 minutes ground travel time to the nearest NPIAS airport. However, some which meet these criteria are not included because they are located at inadequate sites and cannot be expanded and improved to provide safe and efficient airport facilities. In these cases, the FAA usually recommends replacement of the inadequate airport.

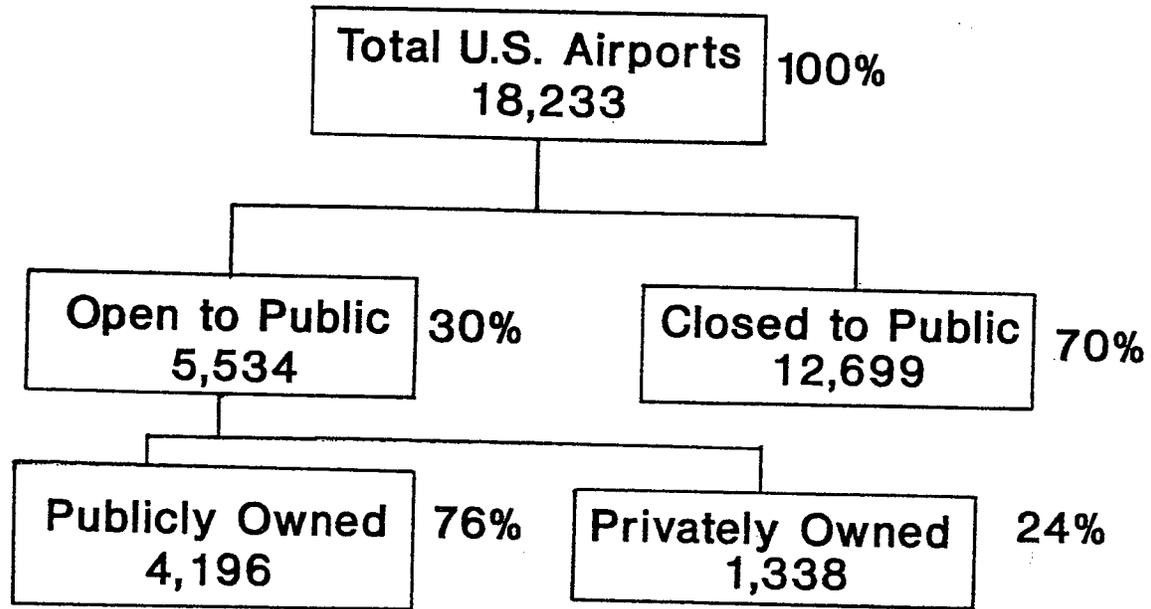
More than 1,200 privately owned, public use airports are not included in the NPIAS because they are located at inadequate sites, are redundant to publicly owned airports, or have too little activity to qualify for inclusion. In addition, almost 12,000 civil landing areas that are not open to the general public are not included in the NPIAS. The airports that are not included in the NPIAS have an average of less than 2 based aircraft, compared to 55 based aircraft at the average NPIAS airport.

State Plans Include More Airports

Each state has an airport system plan which identifies the location and scale of development that is considered necessary to satisfy the state's need for air transportation. The state plans contain a total of more than 6,000 airports, about 84 percent more than the NPIAS. The airports that are included in state plans but not in the NPIAS are usually small airports that have local significance but are not considered to have national significance.

FIGURE 1-1

NUMBER OF AIRPORTS BY OWNERSHIP AND USE (JANUARY 1993)



3,660 NPIAS AIRPORTS

**3,294 Existing Arprts.
(3,095 PU; 199 PR)**

366 Proposed Public Arprts.

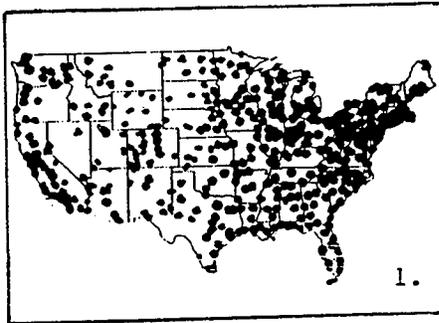
CM SVC			RL	GA
PR	CM	CR		
415	130	9	290	2,450

CM SVC		RL	GA
PR	CM		
7	7	69	283

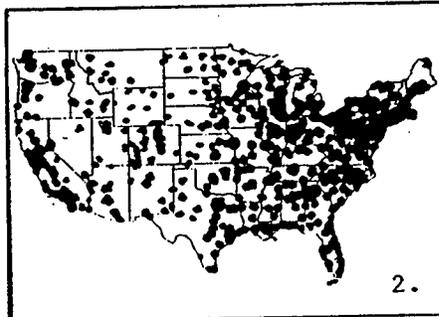
- LEGEND**
- CM SVC ▪ Commercial Service
 - PR ▪ Primary Commercial Service
 - CM ▪ Nonprimary Commercial Service
 - CR ▪ Commercial Reliever
 - RL ▪ Reliever
 - GA ▪ General Aviation

FIGURE 1-2

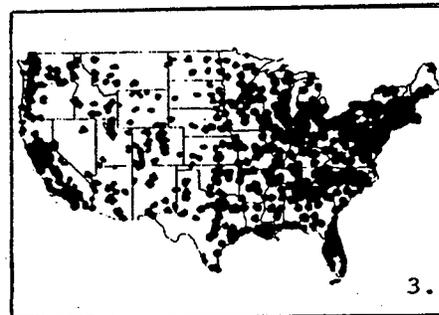
GEOGRAPHIC COVERAGE



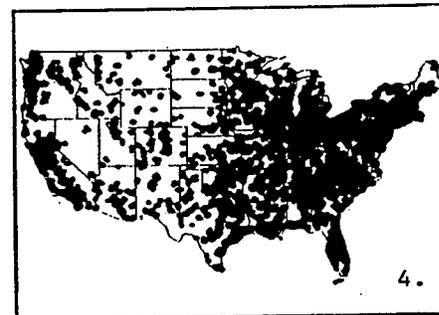
1. 554 Airports with commercial service account for:
100% of enplanements
26% of active general aviation aircraft
79% of NPIAS cost
70% of the population resides within 20 miles of these airports.



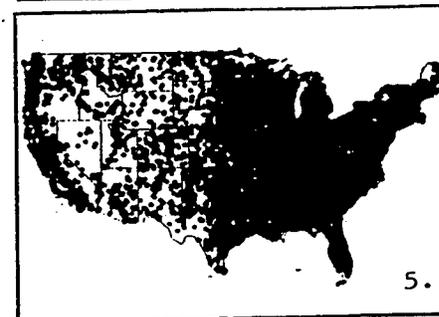
2. 844 Airports with commercial service and relievers account for:
100% of enplanements
56% of active general aviation aircraft
87% of NPIAS cost
79% of the population resides within 20 miles of these airports.



3. 1,172 Airports -- commercial service, reliever, and general aviation with over 50 aircraft account for:
100% of enplanements
72% of active general aviation aircraft
90% of NPIAS cost
85% of the population resides within 20 miles of these airports.



4. 1,726 Airports -- commercial service, reliever, and general aviation with over 25 aircraft account for:
100% of enplanements
82% of active general aviation aircraft
93% of NPIAS cost
91% of the population resides within 20 miles of these airports.



5. 3,294 NPIAS airports -- commercial service, reliever and general aviation account for:
100% of enplanements
91% of active general aviation aircraft
100% of NPIAS cost
98% of the population resides within 20 miles of these airports.

About 14,900 airports are not included in the NPIAS. They account for 9% of the civil aircraft fleet.

CHAPTER 2

CONDITION AND PERFORMANCE

Overview

The Federal role in airport development is largely related to optimizing system performance. Six key factors have been selected for monitoring: capacity, safety, noise, pavement condition, accessibility, and financial performance.

Application

The primary purpose of this chapter is to describe how well the airport system is operating and to highlight any trends that are apparent. Each of the six measures is relevant to the quality of air transportation and taken together they provide a good overview of system performance. However, the six measures are not equally sensitive to capital improvements, and increased investment is not necessarily the most effective way to improve performance.

For instance, airport investment is only one of a variety of measures that must be combined to reduce the already low rate of accidents. Communications, navigation, and surveillance systems, airport inspection, pilot training, avionics, human factors, and aircraft and engine technology also contribute to the gradual improvement of aviation safety. Federal aid can be particularly useful in focusing on specific issues, such as the implementation of security measures, provision of rescue equipment, development of safety areas around runways, and removal of obstructions in runway approach zones. The effectiveness of Federal aid was illustrated recently by a marked reduction in inadvertent movements of aircraft onto active runways, as the result of an FAA program to prevent runway incursions by installing improved marking, lighting, and signs where needed.

The principal factor in reducing the number of people exposed to high noise levels is quieter aircraft and the Federal government has actively encouraged new technology in this area, but Federal aid is very useful in addressing hardcore problems that would otherwise persist despite the use of quieter aircraft. Federal aid for planning and implementing noise abatement measures has fostered a cooperative relationship between airports and surrounding communities, helping to relieve a serious and complex societal issue.

A section on the performance of terminal buildings will be added to future reports, if and when a suitable technique is developed. A report is not possible at this time, because there is no consensus about which aspects to measure and how to measure them.

Capacity

A major concern in airport system planning is the adequacy of runways to handle anticipated aircraft operations. If runway capacity is inadequate, air traffic is delayed causing expense to airlines, inconvenience to passengers, and a major workload for the FAA.

Most airports are uncongested because a single runway is able to handle over 200,000 operations annually, which is approximately the amount of activity that would be generated by a city with 350,000 inhabitants. More runways are one means to provide more capacity. Other means are described in the section on non-capital alternatives. As traffic increases, it can also be divided among a system of airports. Reliever airports are developed to serve general aviation, allowing commercial service airports to concentrate on air carrier operations.

When a city becomes so large that it generates more than 10 to 12 million originating passengers per year, a second commercial service airport may be warranted. There are few cities this large: London, Paris, and Tokyo fit the example, as well as New York, Los Angeles, San Francisco, Chicago, Miami, and Washington in the United States, with Dallas and Boston approaching this level of activity.

The concentration of traffic at an airport can result in congestion and delay. Delay is defined as the difference between the time an operation actually takes and the time that it would have taken under uncongested conditions without interference from other aircraft. Delay is reported in a number of ways. Air traffic controllers identify instances where aircraft are delayed 15 minutes or more, and this information is used by the FAA to monitor the day to day operation of the air traffic control system. The number of airline arrivals and departures that are delayed 15 minutes or more is compiled by the Department of Transportation for busy airports and is reported regularly as information for consumers. Airport planners and designers use the average delay per aircraft operation as a measure for congestion. This measure is directly related to demand and capacity, it can be forecast, and it can be translated into dollars. Experience shows that delay increases gradually with rising levels of traffic until the practical capacity of an airport is reached, at which point the average delay per aircraft operation is in the range of 4 to 6 minutes. Delays increase rapidly if traffic demand increases beyond this level. An airport is considered to be severely congested when average delays exceed 9 minutes per operation. Beyond this point delays are extremely volatile, and a small increase in traffic, adverse weather conditions, or other disruptions can result in lengthy delays that disrupt flight schedules and impose a heavy workload on the air traffic control system.

The seven airports with average delays in excess of 9 minutes accounted for most of the severe air traffic delays in the United States during 1992.

If demand increases as is now forecast, and no new runways are added to major airports, congestion will worsen to the point that 17 airports will be severely congested by the year 2002. However, if all of the new runways included in the NPIAS are built, the number of severely congested airports will only increase to 10 (Denver will drop off the list, and Bradley International, Honolulu, Los Angeles, and San Francisco will be added). The NPIAS is limited usually to runways that have significant local support. Further improvement is possible if runways now under consideration in Boston, Honolulu, Chicago, and San Francisco receive local acceptance.

TABLE 2-1

SEVERELY CONGESTED AIRPORTS (AVERAGE DELAY EXCEEDS 9 MINUTES/PER OPERATION) ^{1/}		
1992	2002 (Without New Runways)	2002 (With New Runways In NPIAS)
BOSTON LOGAN DENVER STAPLETON DALLAS-FT.WORTH NEWARK JOHN F. KENNEDY LA GUARDIA CHICAGO O'HARE TOTAL 7	ATLANTA HARTSFIELD BRADLEY INT'L BOSTON LOGAN DALLAS-FT. WORTH DETROIT METRO. NEWARK INT'L HONOLULU INT'L JOHN F. KENNEDY LOS ANGELES INT'L LA GUARDIA ORLANDO INT'L MIAMI INT'L MINNEAPOLIS-ST. PAUL CHICAGO O'HARE PHILADELPHIA INT'L SAN FRANCISCO INT'L ST. LOUIS INT'L TOTAL 17	BRADLEY INT'L BOSTON LOGAN DALLAS-FT. WORTH NEWARK INT'L HONOLULU INT'L JOHN F. KENNEDY LOS ANGELES INT'L LA GUARDIA CHICAGO O'HARE SAN FRANCISCO TOTAL 10

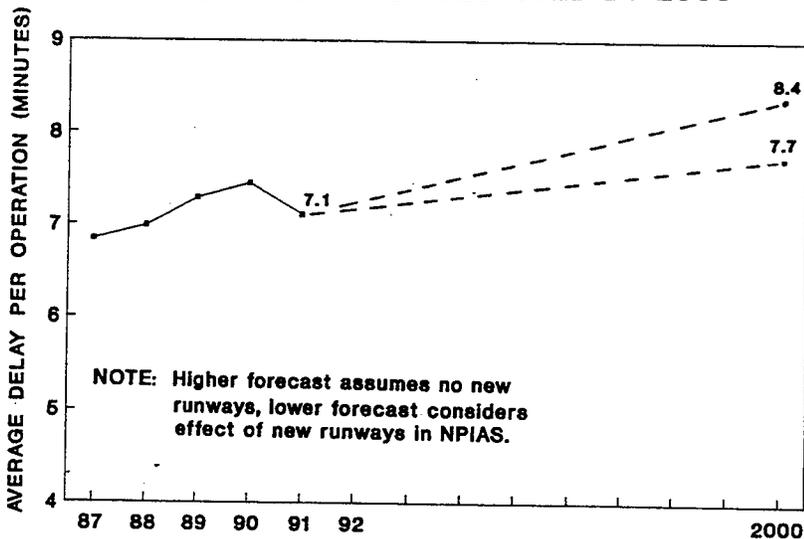
^{1/} A related indicator is the number of airports where delays to airline aircraft exceed 20,000 hours per year. There were 23 airports with this level of delay in 1992 and the number is forecast to increase to 33 in 2002 if capacity is not increased.

The average delay per aircraft operation in the U.S. airspace system is another indicator of congestion. The trend toward increasing delays during the 1980's peaked with an average delay per operation of 7.4 minutes in 1990. It fell to 7.1 minutes per operation in 1991 and remained at that level during 1992, the last year for which data are available. It appears that slower growth in air transportation, new runway construction, and more efficient use of existing capacity temporarily arrested the trend toward higher delays. The FAA estimates that average delay per operation could increase to 8.4 minutes in 2002 if no new capacity is added to the system. Even if all of the runways proposed in the NPIAS were built, delays would increase, but less rapidly, to 7.7 minutes in 2002. This estimate, however, does not take into account possible improvements in air traffic control due to satellite-based services, increased use of aircraft flight management systems, and other applications of technology. It is possible that a broadly based and aggressive effort to expand system capacity could prevent any increase in delay over the foreseeable future.

The delay projections noted above were derived on an airport by airport basis using regression analyses. Since airports are components in a system, improvements at one location can affect delays elsewhere. The FAA has research underway to develop system models which highlight this "ripple effect." However, models need detailed information about future airline schedules to make accurate delay projections. Current models can compare the relative merits of alternative solutions to specific problems and illustrate certain concepts, but they are not yet able to provide a reliable measure of the absolute benefits of a national program of proposed projects. Refer to the FAA's Aviation System Capacity Plan for more information about the status of models.

FIGURE 2-1

RECORD DELAYS PREDICTED BY 2000



Non-Capital Alternatives

The forecast of increased congestion takes into account the continued application of certain measures, termed non-capital alternatives, that reduce delay without substantial investment.

One measure is the redistribution of traffic to smooth out peaks that occur because of traveler preferences for morning and evening flights. Schedules tend to peak sharply at an uncongested airport, but this is reduced as traffic increases and more frequent service fills in the non-peak hours. A few very busy airports have about the same number of flights scheduled during each of the daylight and evening hours. Peak and off-peak pricing is one means to redistribute some portion of the peak traffic loads that occur because of travelers' preference for morning and evening flights. Peak pricing systems are common in the private sector and can provide significant benefits in the public sector as well. While it is not practical to expect to eliminate peaking entirely, many busy airports could reduce delays and improve efficiency by applying congestion pricing, which provides an economic incentive for the users of the airport to spread demand more evenly over the airport's normal operating hours. Congestion pricing is not a substitute for necessary airport capacity improvements but it is one important way to decrease traffic demand during peak times, improve off-peak airport utilization, and generally encourage more efficient use of existing airport capacity.

Another measure is to redistribute traffic among airports to make more efficient use of facilities. Reliever airports have been developed in metropolitan areas to give general aviation pilots an attractive alternative to using congested airline airports. Large cities usually have a system of reliever airports, one or more of which can accommodate corporate jet aircraft and others designed exclusively for use by smaller, propeller-driven aircraft. Relievers have been very successful at relocating aviation activity, which accounts for 60 percent of the operations at all airports with air traffic control towers, but only 4.9 percent of the operations at O'Hare, 3.2 percent of the operations at Atlanta Hartsfield, and 5 percent of the operations at LaGuardia Airport. Twenty-nine percent of the general aviation aircraft in the United States are based at the 290 reliever airports.

The concept of relocating passenger transfer operations from congested hub airports in Chicago, Atlanta, Dallas, and other metropolitan areas to remote airports has also been considered. However, it appears that passenger transfer operations are most efficiently located at airports that generate a considerable amount of origin and destination traffic, and this only occurs in or near metropolitan areas. The FAA has discussed this subject with representatives of several major airlines and has concluded that they will continue to locate their hub operations as close as possible to large population centers rather than in rural, sparsely populated areas.

A measure that provided great increases in runway efficiency in the past was the use of larger aircraft, particularly at congested airports, in order to move more passengers per operation. Between 1972 and 1992, there was a 116 percent increase in the average number of passengers per aircraft operation nationwide, and an 86 percent increase at large hub airports (see table 2-2). The increase in aircraft size is constrained by the design of many airports. The distance between adjacent taxiways and runways and the layout of terminal buildings can limit wingspans and fuselage lengths, and the strength of pavement and underlying structures such as bridges and culverts can limit aircraft weight. Because of these factors, future increases in aircraft size may be more gradual and more expensive to accommodate, particularly at older and more congested airports.

TABLE 2-2

ACTIVITY AT LARGE HUBS

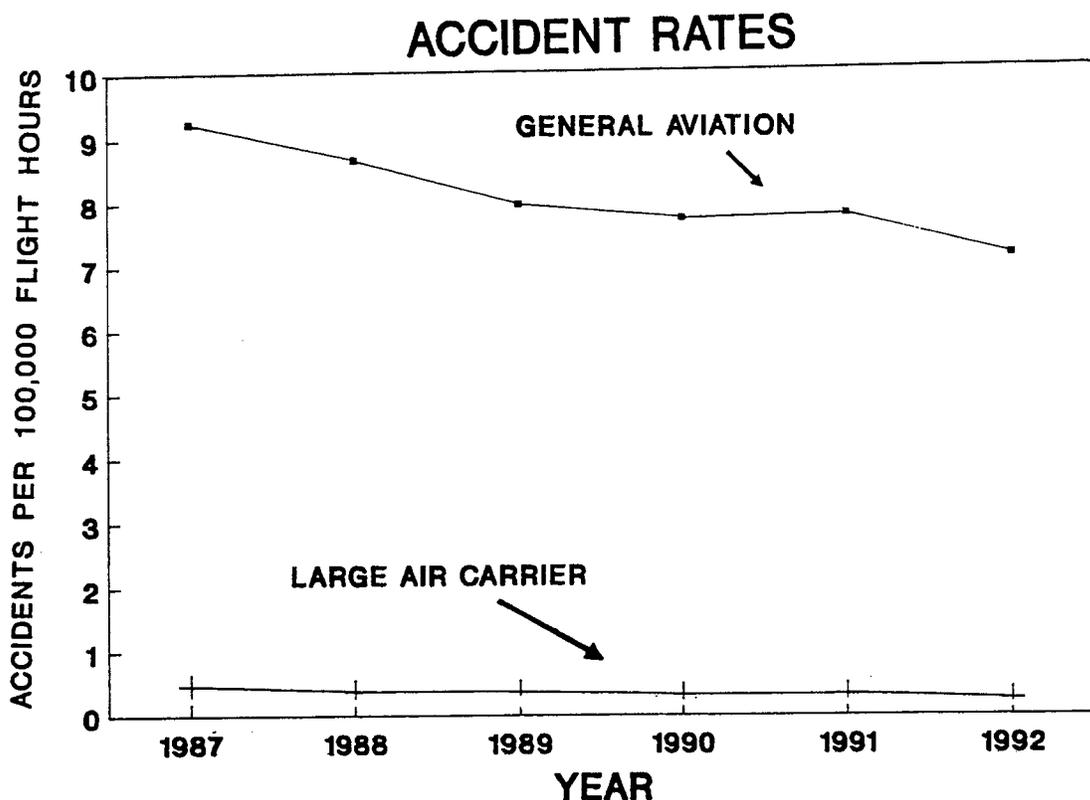
CALENDAR YEAR	LARGE HUBS			NATIONAL AVERAGE
	ENPLANED PASSENGER	AIR CARRIER DEPARTURES	PASSENGERS/ DEPARTURES	PASSENGERS/ DEPARTURES
1972	124,497,086	2,581,972	48.2	38.0
1975	131,277,693	2,472,756	53.1	42.5
1980	197,679,376	2,887,239	68.5	55.7
1985	264,507,144	3,439,446	76.9	66.9
1988	321,754,139	4,201,615	76.6	67.8
1992	337,721,526	3,755,175	89.9	82.4

Safety

The operators of public airports maintain a high level of safety by selecting the best available sites, designing airfields to time-tested standards, and applying appropriate operating and maintenance procedures. Most accidents on or near airports are attributable to pilot errors, such as failure to perform adequate preflight preparation and inspection of aircraft or failure to achieve and maintain adequate airspeed. Airports, however, are seldom cited as a cause or factor in accidents. When they are, it is often in conjunction with weather conditions, such as when snow, ice, or water are on the runway. These factors are being alleviated by pavement surface treatments to enhance friction and improve aircraft braking performance, by the acquisition of snow removal equipment, and by emphasis on measures to detect and correct slippery runway conditions.

There is a well-established trend toward lower aircraft accident rates at the national level, but because so few accidents are attributable to airport deficiencies it has not been possible to develop a statistically significant relationship between safety and capital investment in airports. The principal measure for the safety of the air transportation system is the accident rate per 100,000 hours flown by civil aircraft.

FIGURE 2-2

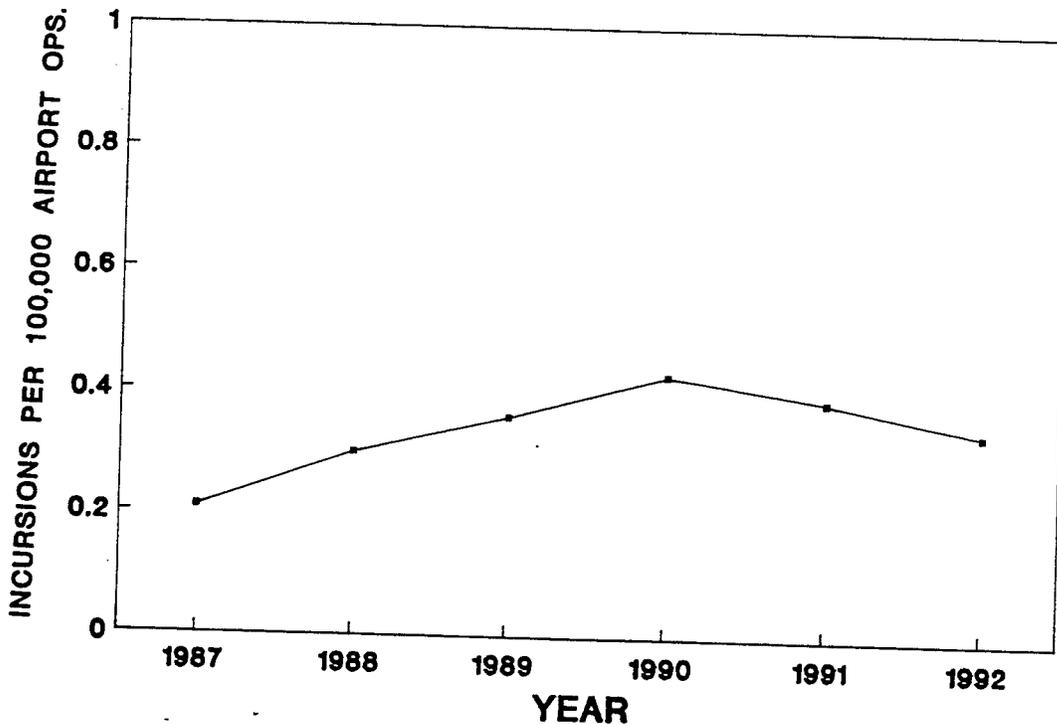


Airports that are served by air carrier aircraft with more than 30 passenger seats are subject to initial safety certification inspection by FAA credentialed inspectors and annual reinspection to determine continued compliance with regulatory safety standards. These standards are contained in Part 139 of the Federal Aviation Regulations (FAR), Certification and Operations: Land Airports Serving Certain Air Carriers. There are 664 certificated airports.

The FAR establishes 18 general areas of safety standards, ranging from specific items, such as the condition of runway surfaces and training requirements for aircraft rescue and firefighting personnel, to more general requirements for the development of an airport emergency plan and wildlife control plan. While all areas identified in the FAR are inspected, special inspection initiatives may provide emphasis to one or more aspects of the FAR. For instance, beginning in 1991, inspectors gave special emphasis to the adequacy of marking, lighting, and signage at airports. The purpose was to reduce the potential for runway incursions, and there has been a subsequent downturn in the rate of incursions.

FIGURE 2-3

RUNWAY INCURSIONS



Aircraft Noise

Community concern about aircraft noise is a major constraint on the operation of existing airports and the development of new ones. The problem is particularly serious in metropolitan areas, where airports are heavily used and there is strong pressure to develop residential areas around them.

The Federal Government pursues a program of aircraft noise control in cooperation with the aviation community. Much of the program is aimed at reducing noise at the source, through the use of quieter engines. The FAA adopted Part 36 of the Federal Aviation Regulations in 1969, establishing noise certification standards for new design turbojet and transport category aircraft. In 1976, the Federal Aviation Regulations were amended, to allow U.S. operators until January 1, 1985, to quiet or retire the noisiest (Stage 1) aircraft. In 1977, the regulations were again amended, defining three "stage" levels to categorize aircraft noise emissions and requiring aircraft certificated after March 3, 1977, to meet the more demanding Stage 3 requirement. The Airport Noise and Capacity Act of 1990 was then enacted, setting December 31, 1999, as the deadline for elimination of Stage 2 aircraft of more than 75,000 pounds. A schedule for compliance was established under Part 91 of the Federal Aviation Regulations.

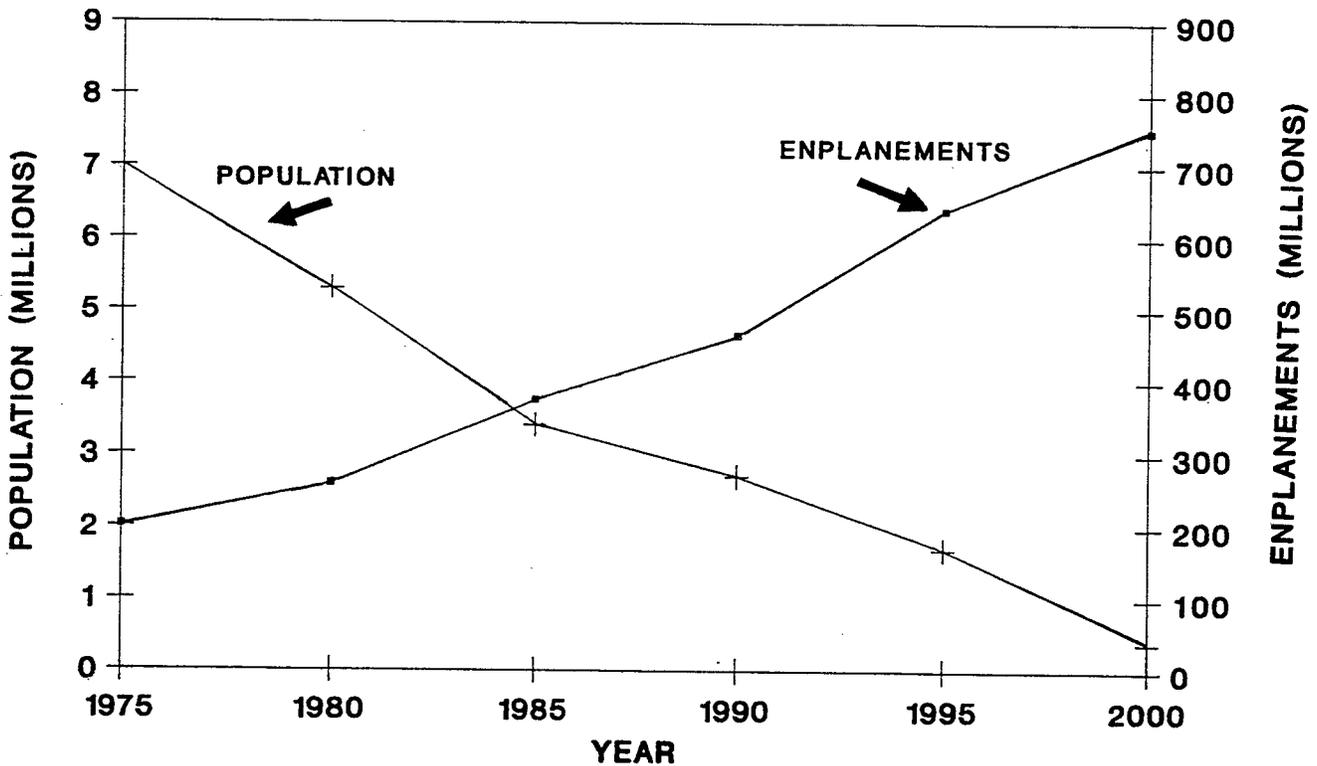
The steady and substantial improvements due to quieter aircraft have been supplemented by a program to encourage noise reduction and compatible land uses in areas around airports. Part 150 of the Federal Aviation Regulations, adopted in January 1985, established a system for measuring aviation noise in the community and for providing information about land uses that are normally compatible with various levels of noise exposure. Part 150 encourages airport operators to develop Noise Exposure Maps and Noise Compatibility Programs. Noise Exposure Maps identify noise contours and land use incompatibilities and are useful in evaluating noise impacts and discouraging incompatible development. Once the FAA determines that Noise Exposure Maps have been prepared in accordance with Part 150, the airport operator may submit a Noise Compatibility Program, coordinated with affected parties, outlining measures to improve noise and land use compatibility.

As of January 1993, 208 airports were participating in the Part 150 program, 155 had Noise Exposure Maps in compliance with program requirements, and 135 had Airport Noise Compatibility Programs approved by FAA.

An FAA-approved Noise Compatibility Program clears the way for an airport to obtain Federal aid for noise projects. Approximately \$1.3 billion has been granted for airport noise compatibility projects since 1982.

FIGURE 2-4

POPULATION EXPOSED TO HIGH NOISE LEVELS COMPARED TO ENPLANEMENTS



The improvement in the noise situation around airports since 1975 has been dramatic, with the population exposed to excessive noise declining from 7 million to about 2.4 million today. This improvement is remarkable because it took place during a period of substantial growth in air transportation, with enplanements more than doubling. It is projected that the population exposed to severe noise will continue to decline to 0.4 million in the year 2000. Further improvements after that date will depend upon advances in engine and aircraft design.

Despite the reduction in aircraft noise emissions, public concern and sensitivity is still very high. In recent years, complaints and organized opposition have come from populations exposed to comparatively low levels of noise, sometimes at locations miles from the nearest airport. Airport and air traffic planners are increasingly aware that noise levels below DNL 65dB may cause annoyance. This will be a factor in future planning for the airport and airspace system and will provide an impetus for further reductions in engine noise emissions.

Pavement Condition

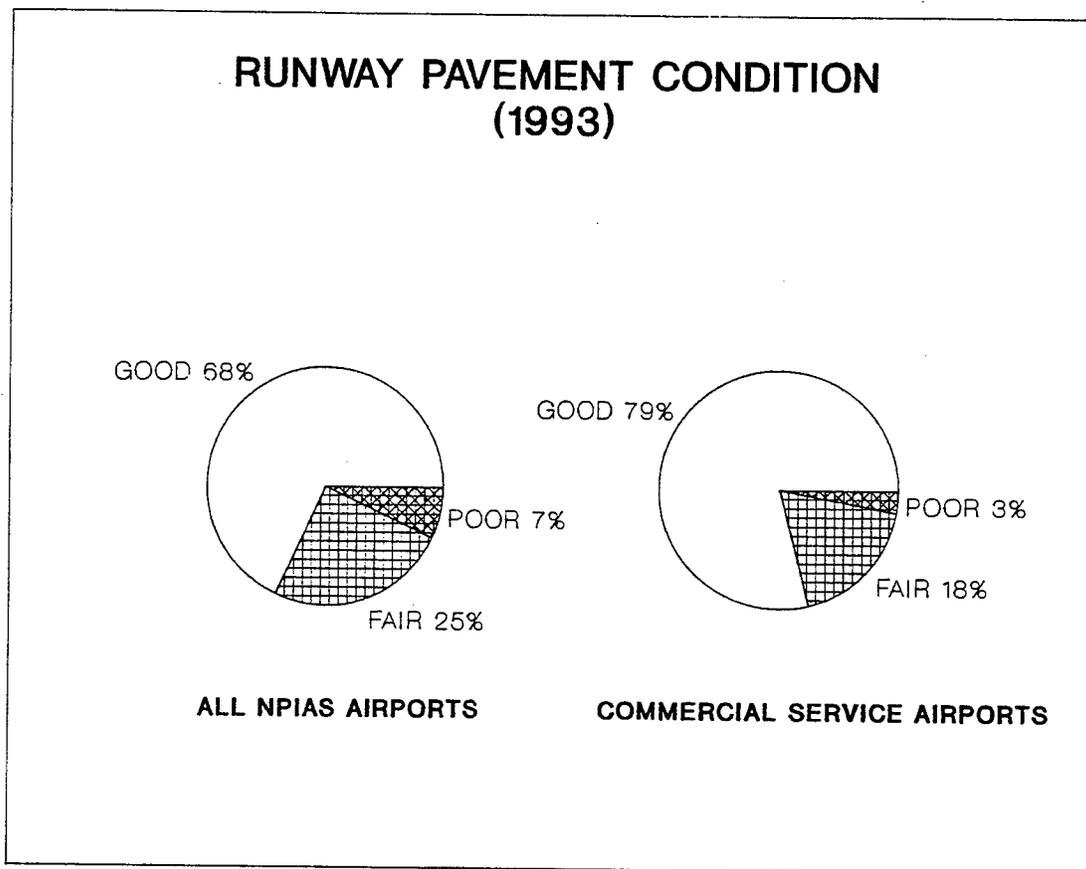
Airfield pavement needs regular maintenance to seal cracks and repair damage, and major rehabilitation is needed on a 15- to 20-year cycle to remedy the effects of age and exposure. If pavement is neglected, severe deterioration can cause damage to propellers and turbines and to aircraft landing gear.

The FAA arranges for annual inspection of most public-use airports, and the results are reported as part of the Airport Safety Data Program. Runway pavement condition is classified as good (all cracks and joints sealed), fair (mild surface cracking, unsealed joints, and slab edge spalling), or poor (large open cracks, surface and edge spalling, vegetation growing through cracks and joints). Nationwide, 68 percent of runways at NPIAS airports are rated good, 25 percent are fair, and 7 percent are poor. Pavement at commercial service airports is much better than average, with 79 percent good, 18 percent fair, and 3 percent poor. Poor runways at commercial service airports are not used by large aircraft. They are usually short runways that are occasionally used by light aircraft to avoid crosswinds. Runways with potentially hazardous pavement deficiencies are temporarily closed by management pending resolution and repair.

The pavement conditions are improved over 1986, when runways at commercial service airports were rated 78 percent good, 15 percent fair, and 7 percent poor. Comparisons between two sets of observations made 7 years apart are not always reliable, but in this case a large number of observations were taken. Because the rules for classification are straightforward and a similar trend was reported in 1990, it is believed that the reported improvement is accurate. In comparison, 37 percent of all highway pavement, including 61 percent of interstate pavement, is reported to be in good condition.

The favorable report on runway condition is a credit to the thousands of state and local agencies that operate airports. At a time when other public facilities are affected by neglect and decay, airport managers have maintained runways to high standards.

FIGURE 2-5



Accessibility

Airports have been planned to make air transportation as convenient and accessible as possible. The planning goal has been to locate airports within 30 minutes ground travel time of most potential air travelers.

A review of the 1990 census reveals that most Americans reside within 20 miles of a NPIAS airport (20 miles is a surrogate for 30 minutes ground travel time). Primary and commercial service airports are within 20 miles of 70 percent of the population (79 percent when reliever airports are included). When general aviation airports are also included, 98 percent of the population is within 20 miles of a NPIAS airport.

TABLE 2-3

POPULATION WITHIN 20 MILES OF A NPIAS AIRPORT	
AIRPORT CATEGORIES	% OF U.S. POPULATION
PRIMARY AND OTHER COMMERCIAL SERVICE	70
PRIMARY, OTHER COMMERCIAL SERVICE, AND RELIEVER	79
ALL NPIAS AIRPORTS	98

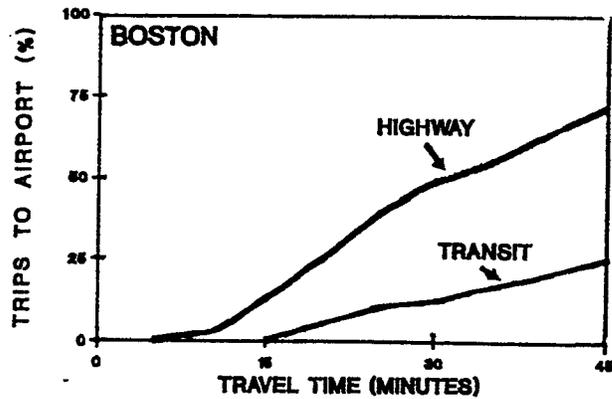
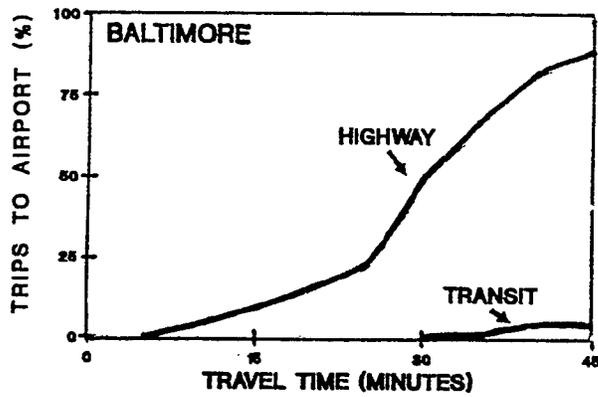
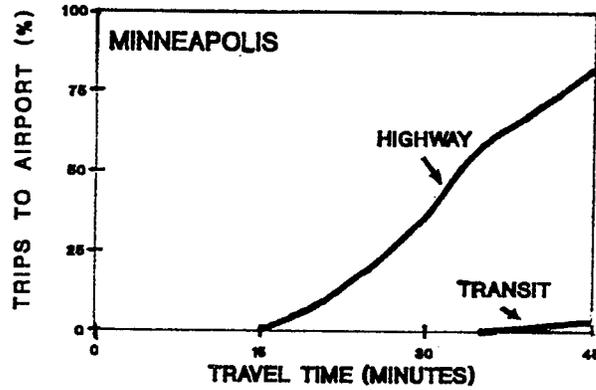
However, geographic proximity alone does not ensure that airports are conveniently accessible. Highway congestion in metropolitan areas can seriously impede ground access. Many cities are considering expanded use of public transportation, including rail, to improve the convenience and reliability of airport access and enhance air quality.

Ridership statistics for existing transit linkages to major airports indicate an important, but distinctly limited, role for metropolitan rail systems. The most successful linkage is to Washington National Airport (DCA) via the modern and extensive Metrorail system. Transit has accounted for about 15 percent of trips to DCA and may reach 20 percent when a new terminal building is completed incorporating a transit station. The next best performers are Atlanta's MARTA rail link to Hartsfield Airport, with a 9 percent market share, and Boston's MBTA rail link to Logan Airport, with a 7.5 percent market share. Transit links to Chicago O'Hare, New York JFK International, Philadelphia International, and Cleveland Hopkins Airports all account for between 3 percent and 4 percent of airport access trips.

Experience to date suggests that public transportation (bus, rail, etc.) usually will not attract more than 30 percent of ground access trips to major airports. The same appears to be true in Europe, where higher market shares are achieved only by linkages to extensive national rail systems that connect to cities beyond the metropolitan area served by the airport.

FIGURE 2-6

ACCESSIBILITY OF SELECTED AIRPORTS



The immense difficulty of shifting airport access from highway to transit is illustrated by charts showing the percentage of passenger origins and destinations within various travel times of selected airports. Highway coverage is very good, with 70 percent to 90 percent of passengers within 45 minutes of the airport during peak travel periods. Transit coverage is poor, with less than 10 percent of travelers able to reach the Baltimore or Minneapolis airports in 45 minutes. Even in Boston, where the airport is linked to an extensive metropolitan rail system, only 25 percent of passengers can reach the airport within 45 minutes, and no more than 40 percent of passengers can reach the airport by transit, even if they allow 90 minutes for the trip.

The FAA is working with the other modal administrations to develop a strategy for optimizing access to airports using a combination of public transportation, high occupancy vehicles, and new techniques to maximize the efficiency of highway access. The effort includes research to determine the current situation, studies of airport access worldwide to determine best practices, and the development of guidance for planning ground access to airports. The planning guidance is being prepared under a joint Federal Highway Administration/Federal Aviation Administration project and is being coordinated with the Federal Transit Administration and other modal administrations.

Advance planning is critical, because it is very difficult to add transit to airport terminals as an afterthought. Transit rights-of-way must be reserved long in advance, and terminal buildings must be designed to allow convenient passenger transfers between buses, vans, trains, and planes.

Financial Performance

An understanding of airport finance is an essential basis for national aviation policy. In 1992, airports accounted for approximately 9 percent of all spending on air transportation (1). However, since airports are owned and operated by thousands of state and local agencies, it is difficult to compile comprehensive data on their financial operations. It is difficult to state the precise amount of public spending on development, operations, or maintenance for the airport system because the sources of information on airport income and expenses are limited.

(1) Based on air carrier passenger revenues of \$60.5 billion, air carrier cargo revenues of \$9.0 billion, general aviation aircraft purchases and operating costs of \$9.8 billion (all net of user taxes and airport fees), Aviation Trust Fund income of \$7.8 billion (net of grants to airports), and airport income of \$8.9 billion (net of non-aeronautical income).

In an effort to gather information regarding airport income and expenditure the American Association of Airport Executives (AAAE) conducted a survey of NPIAS airports. The statistics, presented below, were estimated from the results of 196 completed survey responses. Approximately 81% of the large, medium, and small hub airports completed and returned the survey. The survey results were compared to prior published annual reports of 65 large, medium, and small hub airports. The FAA found a close agreement between the survey and the annual reports.

The tables identify major income sources and expenditures and show considerable variation among airport categories. For instance, concession revenues are a very significant source of income for large hub airports, but are a much smaller part of the income of general aviation airports. Expenditures exceed income for most categories of airports largely because in a few instances the table includes construction cost rather than annual debt service under capital costs, and depreciation was included as an operating cost for some airports. Detailed information on Federal grants can be obtained from the FAA's annual reports. Requirements for annual reports on airport finances have recently been included in Title 49 United States Code, and these may form the basis for a more detailed analysis of airport financial performances in future editions of the NPIAS.

TABLE 2-4

1992 ESTIMATED AIRPORT EXPENDITURES (MILLIONS)					
CATEGORY	NUMBER OF AIRPORTS	CAPITAL	OPERATION & MAINTENANCE	TOTAL	AVERAGE PER AIRPORT
LARGE HUB	29	\$3,346.7	\$2,357.3	\$5,704.0	\$196.7
MEDIUM HUB	39	\$750.1	\$754.6	\$1,504.7	\$38.6
SMALL HUB	79	\$609.1	\$389.4	\$998.5	\$12.6
OTHER PRIMARY	262	\$442.7	\$329.3	\$772.0	\$2.9
OTHER COMMERCIAL SERVICE	120	\$339.4	\$99.1	\$438.5	\$3.7
RELIEVER	284	\$399.7	\$169.4	\$569.1	\$2.0
GENERAL AVIATION	2,648	\$201.1	\$250.4	\$451.5	\$0.2
TOTAL	3,461	\$6,088.8	\$4,349.5	\$10,438.3	

TABLE 2-5

1992 ESTIMATED AIRPORT INCOME (MILLIONS)											
CATEGORY	NO. OF ARPTS.	CONCESSIONS	AIR CARRIER	CARGO	FIXED BASE OPERATOR	GENERAL AVIATION	ESTIM. GRANTS	(ACTUAL) (GRANTS)	OTHER (INCLUDES PFC)	TOTAL	AVERAGE PER AIRPORT
LARGE HUB	29	\$1,599.5	\$2,274.0	\$93.9	\$34.3	\$36.0	\$399	(\$457)	\$613.9	\$5,051.0	\$174.2
MEDIUM HUB	39	\$515.5	\$675.7	\$53.1	\$17.8	\$16.3	\$273	(\$306)	\$127.9	\$1,679.5	\$43.1
SMALL HUB	79	\$170.0	\$251.1	\$22.7	\$13.2	\$20.0	\$297	(\$206)	\$119.0	\$893.1	\$11.3
OTHER PR	262	\$89.5	\$75.6	\$0.1	\$147.6	\$90.4	\$221	(\$235)	\$80.7	\$704.7	\$2.7
OTHER CM	120	\$8.1	\$16.5	\$0.0	\$26.0	\$11.6	\$207	(\$56)	\$23.2	\$292.8	\$2.4
RELIEVER	284	\$39.5	\$0.0	\$0.0	\$44.7	\$113.2	\$258	(\$165)	\$62.9	\$517.9	\$1.8
G.A.	2,648	\$9.7	\$85.3	\$0.0	\$39.2	\$101.0	\$229	(\$252)	\$72.2	\$536.1	\$0.2
TOTAL	3,461	\$2,431.8	\$3,378.2	\$169.8	\$322.8	\$388.5	\$1,884	(\$1,677)	\$1,099.8	\$9,675.1	

CHAPTER 3

ACTIVITY FORECASTS

Overview

Increased demand for air transportation will significantly affect the future pattern of capital investment in airports. Gradual growth in domestic air travel and more rapid growth in international travel will lead to a steady stream of projects to expand passenger facilities. Major airlines are expected to continue using large transfer hubs, but few if any major new hubs will be needed.

Activity Forecasts

The early 1990's were a period of slow growth and financial difficulty for the aviation industry, due to the lethargy of the U.S. and world economies. U.S. commercial air carrier domestic enplanements increased at an annual rate of only 0.8 percent during the first 4 years of the decade, and the carriers recorded losses totaling over \$4.8 billion. The larger U.S. airlines were increasingly active in foreign markets, where their efficiency made them extremely competitive. In the domestic arena, the regional/commuter airlines were the fastest growing sector, with route structures often oriented around service to major airline transfer hubs. The large general aviation fleet remained fairly constant, but its composition continued to shift as the number of turbine powered aircraft increased. An increasing number of general aviation pilots were instrument rated.

The FAA's forecasts through 2005 are based on an improvement of the economic situation, with the U.S. economy expected to grow at a moderate annual rate of 2.6 percent, while the worldwide economy grows at a more rapid rate of 3.5 percent, including a particularly rapid rate of 4.5 percent in the Far East/Pacific Basin countries. Inflation is expected to be low to moderate, barring any major disruption in the price and availability of oil.

Domestic air carrier enplanements are forecast to increase at a 3.7 percent rate annually through 2005 and international enplanements to increase by 6.5 percent, for a system average growth of 3.8 percent in enplanements. Air carrier aircraft operations will grow at a slower rate of 1.9 percent annually because of the use of larger aircraft. Regional/commuter enplanements are expected to increase at 6.9 percent annually and aircraft operations at 3.3 percent. General aviation operations are forecast to increase at a rate of 1.3 percent annually.

TABLE 3-1

AVIATION ACTIVITY FORECASTS			
AVIATION ACTIVITY	1993	2005	ANNUAL GROWTH (%)
<u>ENPLANEMENTS (MILLIONS)</u>			
DOMESTIC	428.2	645.9	3.5
INTERNATIONAL	45.0	96.3	6.5
ATLANTIC	15.6	30.1	5.6
LATIN AMERICA	15.8	39.2	7.9
PACIFIC	13.6	27.0	5.9
SYSTEM	473.8	742.2	3.8
COMMUTER/REGIONAL	47.2	105.3	6.9
<u>AIRCRAFT OPERATIONS (MILLIONS)</u>			
AIR CARRIER	12.6	15.8	1.9
COMMUTER/REGIONAL	9.7	14.4	3.3
GENERAL AVIATION	35.2	41.1	1.3
MILITARY	2.6	2.4	-0.7
TOTAL	60.1	73.7	1.7

Implications of Forecasts

The forecast for a 57 percent increase in passenger enplanements between 1993 and 2005 suggests that a major investment will be needed to expand terminals to accommodate more passengers and larger aircraft. The technology used in future terminals will be similar to current designs in many respects, although a major increase is likely in the use of automated people movers to expedite pedestrian traffic around large terminal complexes. Also, new terminal designs are more likely to incorporate public transit, particularly in cities with well developed transit systems.

The trend toward the use of midfield terminals at airline transfer hubs will continue. Midfield terminals are key features at Atlanta and Pittsburgh and the new Denver airport, and similar developments are planned for Dallas/Fort Worth and Dulles. Unlike most terminals, which have automobile parking on one side and aircraft parking on the other, midfield terminals are surrounded by parked aircraft, maximizing the opportunities for efficient passenger transfers. Access to ground transportation is usually provided by an underground automated people mover.

Another feature of transfer hubs is the use of automated baggage handling equipment to speed the transfer of baggage between flights. It is difficult to accommodate automated baggage handling equipment in existing buildings, but it is being incorporated into new terminals at transfer hubs, where the structure can be designed specifically to accommodate it.

The 57 percent increase in passengers is expected to be accompanied by a 25 percent increase in air carrier aircraft operations. The implications of this increase will vary, depending on activity levels at individual airports. The growth will present little problem for most low activity airports, which have unused runway capacity. The increase in air carrier operations at medium hubs will be accommodated by scheduling more flights for off-peak periods, attracting a portion of general aviation activity to reliever airports, and developing new runways to increase airfield capacity.

A substantial increase in aircraft operations at a large hub airport may warrant consideration of additional runways. The prospects for new runway construction are better at airline transfer hubs than at the older and more congested origin/destination airports serving major metropolitan areas. All 16 large transfer hubs have new runways planned or under consideration. Airlines selected these airports as hubs in part because of their potential for expansion, and airport management is eager to provide adequate runway capacity in order to ensure that the airlines continue to operate there, rather than switching hub operations to a competing airport. Much of the additional capacity at transfer hubs is intended for use by commuter and regional airline aircraft, which transport passengers from smaller cities within several hundred miles of the hub. This traffic is expected to grow as regional carriers acquire jet aircraft to supplement their propeller driven fleet.

The outlook for new runways at major origin/destination airports is less promising. Only 5 of 13 large hub airports where more than two-thirds of traffic is locally generated are actively considering new runways. The engineering and political obstacles to new runway construction at these airports are daunting. The strategy for reducing delay at most of the congested origin/destination airports is more likely to include regulatory and administrative efforts to encourage the use of larger aircraft and to maximize schedule efficiency, filling in any off-peak periods and distributing traffic to supplementary air carrier airports. Airfield congestion at major origin/destination airports is and will continue to be one of the most difficult issues facing civil aviation.

Other Factors

The requirement for airports is affected not only by the volume of air transportation but also by the way in which it is provided.

Airlines are expected to continue to concentrate their schedules at busy transfer hubs, where large numbers of flights converge in short periods of time to maximize the opportunity for passenger transfers. The current number of hubs appears to be adequate to meet airline requirements. No additional hubs are expected within the next 5 years and there may be significant reductions in operations at some hubs as the result of decisions by airline management. Increased direct service, bypassing hubs, is likely when warranted by airline marketing considerations. Parallel runways are planned at some transfer hubs to accommodate operations by regional airlines, which are growing in conjunction with the major carriers.

Lower cost carriers are likely to serve major metropolitan areas, possibly initiating service to uncongested, secondary commercial service airports where facilities are already available. The effect of lower cost carriers is not yet clear, but they are not expected to warrant substantial airport capital investments during the next 5 years.

The globalization of the airline industry, rapid growth of air transportation overseas, and the increased range of aircraft will combine to bring more international passengers to more U.S. airports. The effects will vary but may include requirements for longer runways, terminal building expansion, and provision of Federal inspection facilities for immigration, customs, and agriculture at airports where international traffic is increasing.

The increased number of turboprop and jet aircraft in the general aviation fleet will result in a demand for longer runways at certain reliever and general aviation airports, particularly those used by business and corporate aircraft.

Cargo

Air cargo is very important to the U.S. economy, as illustrated by U.S. Department of Commerce statistics that 28 percent of exports and 18 percent of imports by value in 1990 were shipped by air. Air transportation is a preferred mode for the shipment of high value, lightweight, and perishable goods, but this does not result in a requirement for a great deal of airport development.

Air cargo is concentrated at busy commercial service airports and much of it is carried in the baggage compartments of scheduled passenger aircraft. Less than 5 percent of scheduled flights are by all-cargo aircraft, and these are usually derivatives of passenger aircraft. Cargo flights usually occur during off-peak periods and do not substantially aggravate airport congestion and delay problems.

The principal need for airport development is related to the cargo sorting facilities developed by small-package, express carriers. These facilities are concentrated in a geographic area around the Ohio River Valley where flights can be brought together efficiently to transfer cargo. These airports must have high capacity, all-weather runway systems to support reliable operations. Improvements are also warranted at selected airports such as JFK, O'Hare, Miami, and Los Angeles International to keep pace with rapid growth in international air cargo.

New airports with the primary purpose of handling air cargo are not expected to be needed within the foreseeable future.

Innovations

Efforts are underway to develop transportation and communication technology that may eventually affect the demand for conventional air transportation. Prototypes of tiltrotor aircraft may evolve into effective vehicles for air travel between city centers or suburban areas, bypassing congested airports. High-speed trains are being demonstrated that could attract more passengers to rail in specific markets, and research is underway into maglev vehicles. Teleconferencing and other electronic communication techniques could affect the demand for business travel. These innovations may eventually have a significant effect on airport development needs, but this is not expected to occur during the next 5 years, which is the period addressed by this report.

Conversion of Surplus Airfields

More than 30 military airfields have been declared surplus and additional closings are likely in the future. Some, notably Myrtle Beach AFB and Bergstrom AFB, are ideally located to become commercial service airports. Other surplus airfields are located in areas where civil airports already accommodate the demands of commercial and general aviation. AIP funds are available to assist the conversion of these airfields to civil use. Many surplus military airports will eventually be integrated into the civil airport system but they generally are not located at sites that permit them to resolve serious airport congestion problems.

Air Quality

Improved air quality is an increasingly important consideration in transportation plans for urban areas. Many large cities must reduce vehicle emissions substantially in order to meet the requirements of the Clean Air Act Amendments of 1990. The FAA must determine that projects receiving Federal aid under the Airport Improvement Program conform to applicable State Implementation Plans, which often call for large reductions in emissions. This is a relatively new process and the full implications are not known yet.

CHAPTER 4

DEVELOPMENT REQUIREMENTS

Overview

Information on the development needed to provide an adequate national system of airports was derived primarily from locally prepared airport master plans and regional and state system plans. The development is tied to the current use and condition of each airport and the forecast increase in activity. Costs are categorized by type of airport and by purpose of development: Safety and Security, Reconstruction, Standards, Environment, Airfield Capacity, Terminal Buildings, Ground Access, and New Airports.

Process

The principal data sources for the NPIAS are airport master plans prepared for airport owners by consulting firms. These plans are reviewed and approved by FAA field offices. They follow a standard outline contained in an FAA advisory circular that links development to current and forecast activity. The plans include consideration of all significant aviation requirements, including the needs of national defense and the postal service. Plans for major development, such as new runways or runway extensions, tend to be controversial and the planning process provides interested parties with the opportunity to request a public hearing. The combination of a planning process that links development to activity, an FAA review that culls out unnecessary development, and the discussion of controversial proposals at public hearings results in reasonable and well-documented estimates of future airport development requirements. However, the actual timing and cost of development may vary from airport plans, particularly when airline management recommends project deferral or development in stages in order to minimize immediate costs. The tension between airports and airlines is particularly apparent because of the financial constraints that most airlines are facing. Airlines have questioned the need for certain major new airports, specific ground access projects and the scale and cost of certain terminal building plans. The NPIAS generally reflects the airport operator's viewpoint, regarding the scope and schedule for proposed development, and the net effect of staging or rescheduling has not been estimated.

The total cost of development in the report is almost 24 percent higher than the preceding (1990) NPIAS. A portion of this increase is due to higher construction costs. Construction cost indexes rose by about 8 percent since the preparation of the 1990 NPIAS. An unknown portion of the increase may reflect airports' ability to undertake development with passenger facility charges that had been deferred because of inadequate financial support. The development included in the NPIAS is largely constrained by the anticipated availability of funds, which is considered during the locally conducted airport master

planning process. Another unknown is the extent to which aviation activity forecasts have affected estimates of investment needs. Since the last NPIAS, actual activity has increased by an average of almost 2 percent per year while long-term activity forecasts have been lowered, essentially slipping by a year.

Additional Costs Not Included in the NPIAS

The NPIAS only includes development that is eligible to receive Federal grants under the Airport Improvement Program. It does not include ineligible airport development such as automobile parking structures, hangars, air cargo buildings, or the revenue producing portion of large passenger terminal buildings. Neither does it include improvements to highway and transit systems beyond the airport property line, even though some improvements that are for airport access and on property owned or effectively controlled by the airport sponsor may be eligible for AIP funds. There is no authoritative estimate of airport access requirements, but they are believed to be substantial, exceeding \$1 billion annually.

The NPIAS also does not include development needed to relieve airfield congestion in metropolitan areas when there is no local consensus about how to relieve the problem. As a result, development is not included to bring delays down to acceptable levels in New York, Boston, Chicago, Los Angeles, and San Francisco.

Development Categories

The total \$30 billion in the NPIAS is divided into categories on the basis of the principal purpose of development.

Safety and Security

Safety and security include development that is required by Federal regulation, certification procedure, or design standard and intended primarily for the protection of human life. This category, which accounts for 3 percent of the NPIAS, includes obstruction lighting and removal, fire and rescue equipment, fencing, and security devices. This type of development is given the highest priority by the FAA in order to ensure its speedy implementation and achieve the highest possible level of safety.

Reconstruction

Reconstruction includes development to replace or rehabilitate airport facilities, primarily pavement and lighting systems, that have deteriorated due to weather or use and reached the end of their useful lives. This category, which accounts for 11 percent of NPIAS costs, includes the rehabilitation of pavement on a 15- to 20-year cycle. Failure to replace deteriorating pavement increases airport maintenance costs and can result in damage to propellers and engines, pooling of water

and ice deposits, and eventually potholes that can damage landing gear. Airfield lighting cables and fixtures deteriorate with age, resulting in dim and unreliable lighting if they are not replaced. Reconstruction is included in the NPIAS when normal maintenance procedures are no longer economical and effective.

Standards

Standards include development to bring existing airports up to design criteria recommended by the FAA. This is a major cost category, accounting for 20 percent of the NPIAS. Many commercial service airports were designed up to 50 years ago to serve relatively small and slow aircraft, but are now being used by larger and faster turboprop and jet aircraft. As a result, runways and taxiways must be relocated to provide greater clearance for aircraft with long wing spans, and aircraft parking areas must be adapted to accommodate larger aircraft. Standards development is needed at general aviation and reliever airports to accommodate critical aircraft that were not foreseen at the time of original construction. If it is not undertaken, aircraft may be required to limit fuel or passenger loads because of inadequate runway length. The FAA usually requires assurance that an aircraft will account for at least 500 annual itinerant operations at an airport before development is included in the NPIAS to accommodate it.

Environment

Environment includes development to achieve an acceptable balance between airport operational requirements and the expectations of residents of the surrounding area for a quiet and wholesome environment. This development supplements the large noise reductions that are being achieved by quieter aircraft and the use of noise abatement procedures. It accounts for 6 percent of NPIAS costs and includes the relocation of households and soundproofing of residences and public buildings in areas underlying aircraft approach and departure paths. Most of the cost is for land acquisition in fee simple or easements to compensate property owners for overflights. Environmental costs are concentrated at airports with frequent flights by jet aircraft (53 percent large hubs, 24 percent medium hubs, 18 percent small hubs, and 2 percent reliever airports). This development is part of an extensive Federal and industry program, involving land use planning, quieter aircraft, and noise abatement procedures, that has reduced the number of people exposed to severe noise by approximately 65 percent since 1975.

Terminal Building

Terminal building costs are incurred for development to accommodate more passengers and more or larger aircraft. This category has increased in recent years and now accounts for 15 percent of the NPIAS, up from 13 percent in 1991. The NPIAS only includes the portion of terminals at large airports that is eligible for Federal aid (about 50 to 60 percent) and excludes revenue generating areas used exclusively by a single tenant.

The development is concentrated at the busiest commercial service airports (81 percent large hubs, 8 percent medium hubs, 6 percent small hubs, and 5 percent nonhubs).

Access

Access includes the portion of airport ground access (highways and transit) that is within the airport property line and eligible for grants under the Airport Improvement Program. It currently accounts for 3 percent of the NPIAS but is expected to increase during the next few years as research focuses on the need for improved highway and transit access to major airports.

Airfield Capacity

Airfield capacity is the development necessary to accommodate more and larger aircraft operations on runways and taxiway systems without excessive delays. This is the largest development category, accounting for 32 percent of the NPIAS. It is concentrated at busy airports (49 percent large hubs, 17 percent medium hubs, 12 percent small hubs, and 8 percent relievers). Airfield capacity development can range from relatively small projects to expand taxiways to large projects involving the construction of new runways parallel to existing runways in order to permit simultaneous operations.

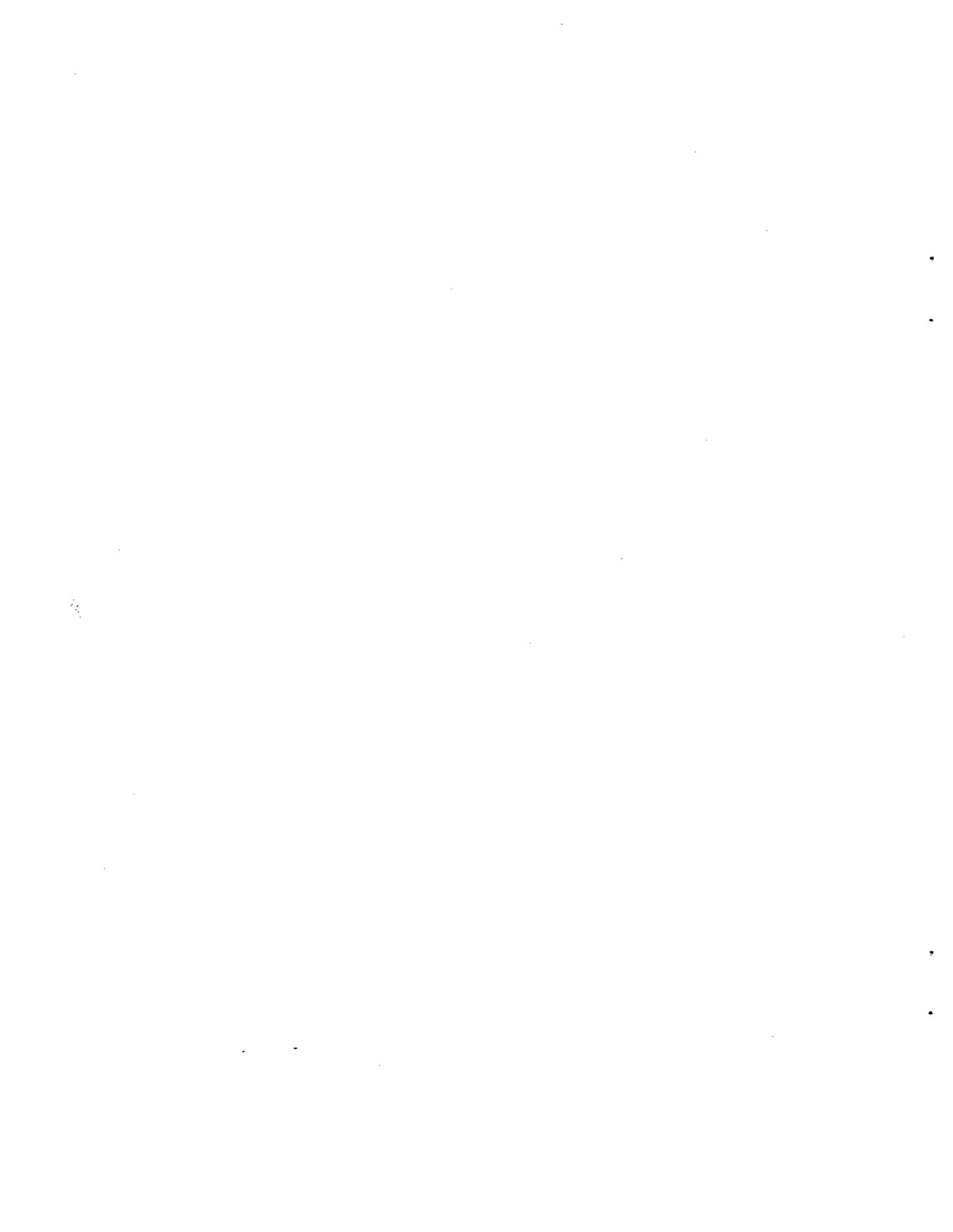
Runway development that is warranted to relieve congestion but precluded because of political and environmental considerations is not included. The airfield capacity development included in this 5 year plan will help to avoid unacceptably high levels of air traffic delay in the future, reducing the projected increase in delay over the next 10 years by about 50 percent. However, severe problems will remain in certain large metropolitan areas such as New York, and the FAA will continue to focus on the need for the additional capacity at those locations.

New Airports

New airports are recommended in the NPIAS for communities that generate a substantial demand for air transportation and either do not have an airport or have an airport that cannot be improved to meet minimum standards of safety and efficiency. In addition, new commercial service and reliever airports are recommended for communities where existing airports are congested and cannot be expanded to meet the forecast demand for air transportation. The new airport category includes most of the anticipated cost of converting surplus military airfields to civil use.

TABLE 4-1

NPIAS COST BY AIRPORT AND DEVELOPMENT CATEGORY (1993-1997)										
(\$ THOUSAND)										
	SAFTY	RECNST	STNDS	ENVRN	CAPCTY	TERMNL	ACCESS	NEW ARPRTS.	TOTAL	%
LARGE HUB	79,561	918,840	536,624	938,356	4,576,198	3,329,552	394,119	2,254,221	13,027,471	43.8
MEDIUM HUB	129,638	405,286	552,548	416,715	1,613,220	396,551	90,203	158,989	3,763,150	12.7
SMALL HUB	329,936	395,546	767,575	322,268	1,080,355	305,883	93,029	0	3,294,592	11.1
NONHUB	168,008	555,862	1,014,599	35,252	530,733	253,446	90,542	9,641	2,658,083	8.9
COMMER. SVC	61,136	144,700	282,544	1,884	95,677	17,370	19,668	35,862	658,841	2.2
RELIEVER	78,142	305,030	895,239	27,949	752,165	24,209	41,469	352,308	2,476,511	8.3
G.A.	166,094	635,614	1,894,037	21,154	727,585	14,292	33,117	370,060	3,861,953	13.0
TOTAL	1,012,515	3,360,878	5,943,166	1,763,578	9,375,933	4,341,303	762,147	3,181,081	29,740,601	100
PERCENTAGE	3.4	11.3	20.0	5.9	31.5	14.6	2.6	10.7	100	



APPENDIX A - LIST OF NPIAS AIRPORTS WITH SELECTED DATA

EXPLANATION OF TERMS AND ABBREVIATIONS USED IN THE TABLES

CITY - The city generally associated with the airport.

AIRPORT - The official name of the airport or designated abbreviation.

ROLE - One of five basic airport service levels which describe the type of service that the airport is expected to provide to the community at the end of the 5-year planning period. The service levels also represent funding categories for the distribution of Federal aid.

PR - Commercial Service - Primary

CM - Commercial Service - Other

CR - Commercial Service airport which also serves as a reliever (included with CM in statistical summaries)

RL - Reliever Airport

GA - General Aviation Airport

ENPL - The number of commercial passengers expected to be boarded at the airport during the fifth year of the 5-year planning period.

BSD-ACFT - The number of locally-owned aircraft expected to be hangared or based at the airport at the end of the 5-year planning period.

COST - The estimated 5-year costs for airport improvements which are eligible for Federal development grants under the Airport Improvement Program.

NOTE: The data presented in these tables were compiled on January 1, 1993. Current data for specific airports can be obtained from the appropriate regional office, as listed in Appendix B to this report.

ALABAMA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Anniston	Anniston Metropolitan	CM	8	51	3969
Birmingham	New	PR	0	0	0
Birmingham	The Birmingham Airport	PR	1243	182	49947
Dothan	Dothan Airport	PR	91	79	1117
Huntsville	Huntsville International-Jones Fld	PR	541	81	33350
Mobile	Mobile Regional	PR	501	113	72461
Montgomery	Dannelly Field	PR	267	158	1188
Muscle Shoals	Muscle Shoals Regional Airport	PR	22	82	4560
Tuscaloosa	Tuscaloosa Municipal	PR	20	86	5874

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Alabaster	Shelby County	RL	75	31593
Albertville	The Albertville Municipal Thomas J. Brum	GA	60	2066
Alexander City	Thomas C. Russell Field	GA	30	2154
Aliceville	George Downer Field	GA	11	182
Andalusia	Andalusia-Opp	GA	24	365
Arab	New	GA	10	402
Ashland/ Lineville	Ashland/ Lineville	GA	7	826
Atmore	Atmore Municipal	GA	20	1090
Auburn	Auburn-Opelika/ Robert G. Pitts	GA	46	8095
Bay Minette	Bay Minette Municipal	GA	11	737
Bessemer	Bessemer Municipal	RL	94	162
Birmingham	New	RL	29	0
Brewton	Brewton Municipal	GA	10	994
Butler	Butler-Choctaw County	GA	5	547
Camden	Camden Municipal	GA	10	359
Centre	Centre Municipal	GA	16	879
Centreville	Bibb County	GA	10	318
Clanton	Gragg-Wade Field	GA	15	373
Courtland	Industrial Airpark	GA	22	1492
Cullman	Folsom Field	GA	52	475
Dauphin Island	Dauphin Island	GA	5	328
Decatur	Pryor Field	GA	59	1137
Demopolis	Demopolis Municipal	GA	5	0
Elba	Carl Folsom	GA	17	808
Enterprise	Enterprise Municipal	GA	33	2472
Eufaula	Weedon Field	GA	18	1973
Evergreen	Middleton Field	GA	18	949
Fairhope	Fairhope Municipal	GA	23	5828
Fayette	Richard Arthur Field	GA	23	216
Floral	Floral Municipal	GA	11	284
Foley	Foley Municipal	GA	37	164
Fort Payne	Isbell Field	GA	61	77

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Gadsden	Gadsden Municipal	GA	32	1046
Geneva	Geneva Municipal	GA	10	483
Greensboro	Greensboro Municipal	GA	8	495
Greenville	Greenville Municipal	GA	5	669
Grove Hill	New	GA	0	0
Gulf Shores	Jack Edwards	GA	30	1705
Guntersville	Guntersville Municipal	GA	14	395
Haleyville	Posey Field	GA	9	235
Hamilton	Marion County	GA	23	632
Hartselle	Rountree Field	GA	29	321
Hazel Green	Hazel Green	GA	26	1333
Headland	Headland Municipal	GA	22	313
Huntsville	Huntsville Airport North	GA	58	1300
Huntsville	New	GA	76	1856
Jackson	Jackson Municipal	GA	3	485
Jacksonville	Jacksonville Municipal	GA	21	4000
Jasper	Walker County-Bevill Field	GA	37	32
Lanett	Lanett Municipal	GA	15	30
Leeds	New	RL	0	4000
Marion	Vaiden Field	GA	12	206
Mobile	Mobile Downtown	RL	59	8384
Monroeville	Monroe County	GA	13	28
Oneonta	Robbins Field	GA	22	584
Ozark	Blackwell Field	GA	71	307
Pell City	St Clair County	RL	100	1193
Phenix City	New	GA	10	1340
Piedmont	New	GA	10	2619
Prattville	Autauga County	GA	33	545
Russellville	Russellville Municipal	GA	4	314
Saraland	New	GA	14	1620
Scottsboro	Scottsboro Municipal	GA	20	2489
Selma	Craig Field	GA	19	692
St Elmo	St Elmo	GA	10	636
Sylacauga	Merkel Field Sylacauga Municipal Airport	GA	46	614
Talladega	Talladega Municipal	GA	43	4838
Troy	Troy Municipal	GA	36	232
Tuskegee	Moton Field Municipal	GA	7	8444
Wedowee	New	GA	10	1340
Wetumpka	Wetumpka Municipal	GA	41	437
York	Mallard	GA	12	295

ALASKA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Akutan	Akutan SPB	CM	3	0	156
Anaktuvuk Pass	Anaktuvuk Pass	CM	3	1	1075
Anchorage	Anchorage International	PR	1790	479	12914
Angoon	New SPB	CM	4	0	0
Aniak	Aniak	PR	15	30	3300
Atkasuk	Atkasuk	CM	3	0	0
Barrow	Wiley Post Will Rogers Memorial	PR	40	31	7200
Bethel	Bethel	PR	116	141	2241
Bettles	Bettles	CM	3	14	2700
Chevak	Chevak	CM	5	1	745
Clarks Point	Clarks Point	CM	3	1	729
Cold Bay	Cold Bay	PR	13	13	6750
Cordova	Merle K. (Mudhole) Smith	PR	25	21	3794
Craig	Craig SPB	CM	5	1	250
Dahl Creek	Dahl Creek	CM	3	2	300
Deadhorse	Deadhorse	PR	55	13	6850
Dillingham	Dillingham	PR	60	76	10250
Eagle	Eagle	CM	3	1	495
Eek	Eek	CM	3	0	2400
Fairbanks	Fairbanks International	PR	303	640	0
Fort Yukon	Fort Yukon	CM	23	18	2000
Galena	Galena	PR	17	43	2000
Gambell	Gambell	CM	3	0	2500
Gustavus	Gustavus	PR	12	4	2950
Haines	Haines	PR	16	30	1000
Homer	Homer	PR	32	91	4600
Hoonah	Hoonah	PR	11	1	250
Hooper Bay	Hooper Bay	CM	5	0	2100
Huslia	Huslia	CM	3	2	0
Iliamna	Iliamna	CM	6	15	0
Juneau	Juneau International	PR	265	150	3545
Kalskag	Kalskag	CM	3	4	1500
Kenai	Kenai Municipal	PR	105	85	0
Ketchikan	Ketchikan International	PR	146	11	400
Kiana	Bob Baker Memorial	CM	3	2	0
King Cove	King Cove	CM	3	1	3000
King Salmon	King Salmon	PR	56	35	8374
Kipnuk	Kipnuk	CM	3	0	2500
Kivalina	Kivalina	CM	3	0	3480
Klawock	Klawock	CM	6	1	1300
Kodiak	Kodiak Airport	PR	87	33	9825
Kotzebue	Ralph Wien Memorial	PR	67	66	3630
Koyuk	Koyuk	CM	3	0	680
Mc Grath	Mc Grath	CM	7	65	8700
Metlakatla	Metlakatla SPB	PR	18	2	450
New Stuyahok	New Stuyahok	CM	5	1	0
Noatak	Noatak	CM	3	3	0
Nome	Nome	PR	58	65	2000
Noorvik	Robert (Bob) Curtis Memorial	CM	4	17	4250

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Nulato	Nulato	CM	4	6	3150
Old Harbor	New	CM	3	1	0
Old Harbor	Old Harbor	CM	3	0	0
Petersburg	Petersburg	PR	22	18	1850
Point Hope	Point Hope	CM	5	2	0
Quinhagak	Kwinhagak	CM	4	0	2500
Red Devil	Red Devil	CM	4	3	300
Sand Point	Sand Point Municipal	CM	5	11	5500
Savoonga	Savoonga	CM	4	0	0
Selawik	Selawik	CM	6	1	0
Seldovia	Seldovia	CM	4	17	347
Shishmaref	Shishmaref	CM	4	1	0
Sitka	Sitka	PR	68	42	2850
Skagway	Skagway	PR	26	15	1650
Soldotna	Soldotna	CM	3	164	350
St George	New St George	CM	0	0	0
St Mary's (Andraefs	St Mary's	PR	20	17	2845
St Paul	St Paul	CM	5	0	5300
Tanana	Ralph M Calhoun Memorial	CM	5	6	1200
Thorne River	Thorne River	CM	5	0	300
Togiak Village	Togiak	CM	5	3	5400
Toksook Bay	Toksook Bay	CM	3	0	2500
Tuntutuliak	Tuntutuliak	CM	6	0	0
Unalakleet	Unalakleet	CM	8	14	5620
Unalaska	Unalaska	PR	48	1	7501
Valdez	Valdez Municipal No. 2	PR	20	21	3750
Wainwright	Wainwright	CM	3	1	0
Wrangell	Wrangell	PR	13	22	0
Yakutat	Yakutat	PR	16	24	0

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Akhiok	Akhiok	GA	1	0
Akiachak	Akiachak	GA	0	1400
Akiak	Akiak	GA	0	1700
Akutan	New	GA	0	1278
Alakanuk	Alakanuk	GA	1	897
Aleknagik	Aleknagik	GA	6	0
Alexander Creek	New	GA	2	758
Allakaket	Allakaket	GA	0	695
Ambler	Ambler	GA	3	0
Anchorage	Lake Hood Seaplane Base	GA	767	0
Anchorage	Merrill Field	GA	1019	2000
Anvik	Anvik	GA	2	0
Arctic Village	Arctic Village	GA	0	402
Atka	Atka	GA	1	850
Atmautluak	Atmautluak	GA	0	1875
Beaver	Beaver	GA	0	712
Big Lake	Big Lake Strip N R 2	GA	40	399
Birch Creek	Birch Creek	GA	0	0
Birchwood	Birchwood	GA	284	2700
Boundary	Boundary	GA	0	0

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Brevig	Brevig Mission	GA	0	1400
Buckland	Buckland	GA	1	1650
Candle	Candle 2	GA	0	0
Central	Central	GA	0	0
Chalkyitsik	Chalkyitsik	GA	1	0
Chandalar Lake	Chandalar Lake	GA	0	0
Chatham	Chatham SPB	GA	1	250
Chefornak	Chefornak	GA	0	0
Chenega Bay	New	GA	0	0
Chicken	Chicken	GA	2	800
Chignik Flats	Chignik Lagoon	GA	1	0
Chignik Lake	Chignik Lake	GA	4	336
Chignik	Chignik (Anchorage Bay)	GA	1	1500
Chisana	Chisana	GA	1	1600
Chitina	Chitina	GA	6	1450
Chuathbaluk	Chuathbaluk	GA	0	0
Circle Hot Springs	Circle Hot Springs	GA	1	496
Circle	Circle City	GA	5	0
Clear	Clear	GA	10	0
Coffman Cove	Coffman Cove SPB	GA	0	600
Cordova	Eyak Lake SPB	GA	34	0
Council	New	GA	2	300
Crooked Creek	Crooked Creek	GA	0	0
Deering	Deering	GA	0	0
Delta Junction	Allen AAF	GA	30	67
Egegik	Egegik	GA	6	2063
Ekuk	Ekuk	GA	1	0
Ekwok	Ekwok	GA	1	728
Elfin Cove	Elfin Cove SPB	GA	1	0
Elim	Elim	GA	0	200
Emmonak	Emmonak-New	GA	4	12900
English Bay	English Bay	GA	0	395
Excursion Inlet	Excursion Inlet SPB	GA	0	0
False Pass	False Pass	GA	0	904
Flat	Flat	GA	1	0
Funter Bay	Funter Bay SPB	GA	0	200
Girdwood	Girdwood	GA	5	574
Golovin	Golovin	GA	7	2200
Goodnews	Goodnews	GA	2	2000
Goose Bay	Goose Bay	GA	10	444
Grayling	Grayling	GA	3	1950
Gulkana	Gulkana	GA	37	0
Hawk Inlet	Hawk Inlet SPB	GA	0	103
Haycock	Haycock	GA	0	0
Healy	Healy River	GA	10	0
Holy Cross	Holy Cross	GA	3	400
Hughes	Hughes	GA	1	0
Hydaburg	Hydaburg SPB	GA	0	850
Hyder	Hyder SPB	GA	0	200
Igiugig	Igiugig	GA	0	0
Ignaluk	Little Diomede	GA	0	0
Ivanof Bay	Ivanof Bay SPB	GA	0	0
Juneau	Juneau Harbor	GA	8	600
Kake	Kake	GA	1	0
Kaktovik	Barter Island Dew Station	GA	6	600
Kaltag	Kaltag	GA	1	0
Karluk	Karluk	GA	0	0
Kasaan	Kasaan SPB	GA	1	0

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Kasigluk	Kasigluk	GA	0	2157
Ketchikan	Murphy's Pullout SPB	GA	10	200
Kitoi Bay	Kitoi Bay SPB	GA	0	43
Klawock	Klawock SPB	GA	2	600
Kodiak	Inner Harbor SPB	GA	20	145
Kohkanok	Kohkanok	GA	1	4290
Kongiganak	Kongiganak	GA	0	3400
Kotlik	Kotlik	GA	0	2600
Koyukuk	Koyukuk	GA	0	0
Kwethluk	Kwethluk	GA	0	0
Kwigillingok	Kwigillingok	GA	1	0
Larsen Bay	Larsen Bay	GA	0	2460
Lazy Bay	Alitak SPB	GA	0	0
Levelock	Levelock	GA	1	0
Lime Village	Lime Village	GA	1	1500
Manley Hot Springs	Manley Hot Springs	GA	13	0
Manokotak	Manokotak	GA	0	898
Marshall	Marshall	GA	2	0
Marshall	New	GA	3	1274
May Creek	May Creek	GA	0	1800
Mc Carthy	Mc Carthy 2	GA	2	1780
Medfra	Medfra	GA	3	1003
Mekoryuk	Mekoryuk	GA	1	1436
Minchumina	Minchumina	GA	0	2400
Minto	New Minto	GA	0	1250
Möser Bay	Moser Bay SPB	GA	0	0
Mountain Village	Mountain Village	GA	1	0
Naknek	Naknek	GA	34	0
Napakiak	Napakiak	GA	1	1400
Napaskiak	Napaskiak	GA	0	0
Nelson Lagoon	Nelson Lagoon	GA	1	300
Nenana	Nenana Municipal	GA	13	1550
New Koliganek	New Koliganek	GA	0	1969
Newtok	Newtok	GA	0	2800
Nightmute	Nightmute	GA	0	0
Nikolai	Nikolai	GA	0	0
Nondalton	Nondalton	GA	3	0
North Whale Pass	North Whale SPB	GA	0	300
Northway	Northway	GA	10	1750
Nuiqsut	Nuiqsut	GA	1	263
Nyac	Nyac	GA	0	655
Olga Bay	Olga Bay	GA	0	116
Ophir	Ophir	GA	0	890
Ouzinkie	Ouzinkie	GA	1	2500
Palmer	Palmer Municipal	GA	115	2651
Parks	Parks SPB	GA	0	75
Pauloff Harbor	Pauloff Harbor SPB	GA	0	125
Pedro Bay	Pedro Bay	GA	2	765
Pelican	Pelican SPB	GA	0	280
Perryville	Perryville	GA	1	993
Petersburg	New, SPB	GA	20	520
Petersburg	Petersburg SPB	GA	15	2133
Pilot Point	Pilot Point	GA	15	851
Pilot Station	Pilot Station	GA	1	500
Platinum	Platinum	GA	1	0
Point Lay	Point Lay Dew Station	GA	0	1000
Porcupine Creek	Porcupine Creek	GA	0	681
Port Alexander	Port Alexander SPB	GA	0	63

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Port Alsworth	New	GA	6	0
Port Bailey	Port Bailey SPB	GA	0	128
Port Graham	Port Graham	GA	0	584
Port Heiden	Port Heiden	GA	11	0
Port Lions	Port Lions	GA	0	484
Port Williams	Port Williams SPB	GA	0	123
Portage Creek	Portage Creek	GA	0	0
Queens	The Queens	GA	0	0
Rampart	Rampart	GA	1	0
Ruby	Ruby	GA	5	0
Russian Mission	Russian Mission	GA	3	650
Saginaw Bay	Saginaw SPB	GA	0	103
San Juan	San Juan SPB	GA	0	133
Scammon Bay	Scammon Bay	GA	0	0
Seward	Seward	GA	23	0
Shageluk	Shageluk	GA	1	862
Shaktoolik	Shaktoolik	GA	3	0
Sheldon Point	Sheldons Point	GA	0	1806
Shungnak	Shungnak	GA	1	988
Sitka	Sitka SPB	GA	12	220
Skwentna	Skwentna	GA	0	0
Sleetmute	Sleetmute	GA	2	300
South Naknek	South Naknek 2	GA	5	1313
St Michael	St Michael	GA	2	0
Stebbins	Stebbins	GA	0	0
Stevens Village	Stevens Village	GA	1	0
Stony River	Stony River 2	GA	3	0
Takotna	Takotna	GA	3	3150
Talkeetna	Talkeetna	GA	19	850
Tatitlek	Tatitlek	GA	0	531
Telida	Telida	GA	1	0
Teller	Teller	GA	2	0
Tenakee Springs	Tenakee SPB	GA	0	450
Terror Bay	Terror Bay SPB	GA	0	0
Tetlin	Tetlin	GA	1	0
Tok	Tok	GA	16	0
Tuluksak	Tuluksak	GA	1	2550
Tununak	Tununak	GA	1	3200
Twin Hills	Twin Hills	GA	0	1406
Ugashik	Ugashik	GA	0	1900
Venetie	Venetie	GA	4	799
Wales	Wales	GA	0	1800
Wasilla	Wasilla	GA	74	0
West Point	West Point Village SPB	GA	0	113
White Mountain	White Mountain	GA	0	1400
Whittier	Whittier	GA	3	209
Willow	Willow	GA	44	0
Wiseman	Wiseman	GA	0	1200
Wrangell	Wrangell SPB	GA	8	0
Zachar Bay	Zachar Bay SPB	GA	0	90

ARIZONA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Bullhead City	Laughlin/ Bullhead City	PR	306	80	14254
Flagstaff	Flagstaff Pulliam	PR	74	110	5588
Fort Huachuca/ Sierra	Libby AAF/ Sierra Vista Municipal	PR	10	29	2136
Glendale	Glendale Municipal	CR	3	195	4079
Grand Canyon	Grand Canyon National Park	PR	533	24	11451
Kingman	Kingman	CM	3	68	2589
Lake Havasu City	Lake Havasu City	PR	40	0	522
Page	Page Municipal	CM	7	40	220
Phoenix	Phoenix Sky Harbor Intl	PR	14907	250	154143
Prescott	Ernest A. Love Field	CM	8	260	1098
Sedona	Sedona	CM	5	113	1000
Tucson	Tucson Intl	PR	1976	400	70154
Yuma	Yuma MCAS/ Yuma Intl	PR	94	155	1091

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Ajo	Ajo Municipal	GA	10	494
Apache Junction	New	GA	240	125
Bagdad	Bagdad	GA	20	784
Benson	New	GA	12	1098
Bisbee	Bisbee Municipal	GA	12	402
Buckeye	Buckeye Municipal	GA	51	549
Casa Grande	Casa Grande Municipal	GA	49	110
Chandler	Chandler Municipal	RL	275	8040
Chinle	Chinle	GA	2	757
Clifton/ Morenci	Greenlee County	GA	3	201
Colorado City	Colorado City Municipal	GA	9	659
Coolidge	Coolidge Municipal	GA	17	389
Cottonwood	Cottonwood	GA	50	639
Douglas Bisbee	Bisbee Douglas Intl	GA	33	1174
Eloy	Eloy Muni	GA	33	330
Gila Bend	Gila Bend Municipal	GA	3	581
Globe	Globe-San Carlos Regional Air Facility	GA	42	205
Goodyear	Phoenix-Goodyear Municipal	RL	145	4477
Holbrook	Holbrook Municipal	GA	12	914
Kayenta	Kayenta	GA	4	300
Marana	Pinal Airpark	GA	52	305
Mesa	Falcon Fld	RL	680	4399
Mesa	Williams AFB	RL	70	34645
Nogales	Nogales Intl	GA	24	1647
Parker	Avi Suquilla	GA	38	452
Payson	Payson	GA	57	248
Peach Springs	New	GA	4	300
Phoenix	Phoenix-Deer Valley Municipal	RL	810	1500
Polacca	Polacca	GA	5	300
Quartzsite	New	GA	10	1171

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Safford	Safford Municipal	GA	38	703
Scottsdale	Scottsdale Municipal	RL	600	2839
Show Low	Show Low Municipal	GA	78	1159
Springerville	Springerville Babbitt Field	GA	35	714
St Johns	St. Johns Industrial Air Park	GA	10	500
Taylor	Taylor	GA	17	1098
Temple Bar	Temple Bar	GA	2	202
Tuba City	Tuba City	GA	10	300
Tucson	Avra Valley	RL	122	4429
Tucson	Ryan Field	RL	212	5126
Whiteriver	Whiteriver	GA	10	300
Wickenburg	Wickenburg Municipal	GA	26	500
Willcox	Cochise County	GA	28	300
Williams	Williams Municipal	GA	6	771
Window Rock	Window Rock	GA	12	1261
Winslow	Winslow Municipal	GA	22	1481

ARKANSAS

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Camden	Harrell Field	CM	7	29	355
El Dorado	Goodwin Field	CM	7	31	0
Fayetteville	Drake Field	PR	88	41	8147
Fayetteville	New	PR	0	0	121111
Fort Smith	Fort Smith Regional Airport	PR	95	144	35011
Harrison	Boone County	CM	4	61	2146
Hot Springs	Memorial Field	CM	4	110	2200
Jonesboro	Jonesboro Municipal	CM	5	73	2568
Little Rock	Adams Field	PR	828	149	58636
Mountain Home	Baxter County Regional	CM	5	29	78
Rogers	Rogers Municipal-Carter Field	CM	5	66	484
Springdale	Springdale Municipal	CM	4	145	1169
Texarkana	Texarkana Municipal-Webb Field	PR	62	85	13134

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Almyra	Almyra Municipal	GA	21	18
Arkadelphia	Arkadelphia Municipal	GA	20	806
Ash Flat	Cherokee Village	GA	10	0
Augusta	Woodruff County	GA	14	18
Batesville	Batesville Regional	GA	35	252
Benton	Saline County	GA	24	29
Bentonville	Bentonville Municipal	GA	47	293
Berryville	Carroll County	GA	18	1414
Blytheville	Blytheville Municipal	GA	35	1774
Brinkley	Frank Federer Memorial	GA	17	604
Calico Rock	New	GA	10	780
Carlisle	Carlisle Municipal	GA	16	645
Clarendon	Clarendon Municipal	GA	19	497
Clarksville	Clarksville Municipal	GA	18	355
Clinton	Clinton Municipal	GA	11	59
Conway	Dennis F Cantrell Field	GA	36	0
Corning	Corning Municipal	GA	28	933
Crossett	Crossett Municipal	GA	30	67
De Queen	J Lynn Helms Sevier County	GA	12	692
De Witt	De Witt Municipal	GA	21	465
Dermott	New	GA	12	275
Dumas	Dumas Municipal	GA	12	479
Eudora	New	GA	20	754
Flippin	Marion County Regional	GA	39	798
Fordyce	Fordyce Municipal	GA	6	259
Forrest City	Forrest City Municipal	GA	12	566
Heber Springs	Heber Springs Municipal	GA	29	631
Helena-West Helena	Thompson-Robbins	GA	42	420
Hope	Hope Municipal	GA	25	688
Horseshoe Bend	Horseshoe Bend	GA	10	466

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Lake Village	Lake Village Municipal	GA	15	740
Little Rock	New-Downtown Heliport	GA	4	1434
Magnolia	Magnolia Municipal	GA	17	1036
Malvern	Malvern Municipal	GA	13	669
Manila	Manila Municipal	GA	28	296
Marianna	Lee County-Marianna	GA	16	51
Marked Tree	Marked Tree Municipal	GA	12	312
Marshall	New (Marshall)	GA	14	1830
Mc Gehee	Mc Gehee Municipal	GA	19	820
Melbourne	New	GA	0	1211
Mena	Intermountain Regional	GA	22	7351
Monticello	Monticello Municipal	GA	28	920
Morrilton	Morrilton Municipal	GA	12	1226
Morrilton	Petit Jean Park	GA	6	61
Mount Ida	Bearce	GA	8	541
Mountain View	New	GA	10	530
Nashville	Howard County	GA	9	170
Newport	Newport Municipal	GA	26	523
North Little Rock	North Little Rock Municipal	RL	185	11767
Osceola	Osceola Municipal	GA	17	705
Ozark	Ozark-Franklin County	GA	17	657
Paragould	Paragould Municipal	GA	28	7758
Piggott	Piggott Municipal	GA	10	1934
Pine Bluff	Grider Field	GA	141	2274
Pocahontas	Pocahontas Municipal	GA	16	270
Russellville	Russellville Municipal	GA	24	907
Searcy	Searcy Municipal	GA	38	4065
Sheridan	Sheridan-Grant County Regional	GA	10	329
Siloam Springs	Smith Field, Siloam Springs Municipal	GA	28	2166
Stuttgart	Stuttgart Municipal	GA	38	3077
Waldron	Waldron Municipal	GA	10	608
Walnut Ridge	Walnut Ridge Regional	GA	81	501
Warren	Warren Municipal	GA	14	60
West Memphis	West Memphis Municipal	RL	150	4278
Wynne	Wynne Municipal	GA	16	1102

CALIFORNIA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Anaheim	New	CM	5	5	4550
Arcata/ Eureka	Arcata	PR	89	18	2723
Avalon	New	CM	5	10	23000
Bakersfield	Meadows Field	PR	199	250	4932
Burbank	Burbank-Glendale-Pasadena	PR	2176	330	142125
Carlsbad	Mc Clellan-Palomar	CM	9	460	1683
Chico	Chico Municipal	PR	28	120	1666
Concord	Buchanan Field	PR	25	635	1835
Crescent City	Jack Mc Namara Field	CM	3	35	44
Fresno	Fresno Air Terminal	PR	486	275	15482
Imperial	Imperial County	PR	15	97	5430
Inyokern	Inyokern	PR	21	95	2511
Irvine	New	CM	3	3	2335
Lompoc	Lompoc	CM	6	70	432
Long Beach	Long Beach/ Daugherty Field	PR	1143	568	13650
Los Angeles	Los Angeles Intl	PR	26290	30	103363
Mammoth Lakes	Mammoth-June Lakes	CM	9	44	1444
Merced	Merced Municipal/ Macready Field	CM	9	100	8355
Modesto	Modesto City-County--Harry Sham Field	PR	35	185	1777
Monterey	Monterey Peninsula	PR	340	185	6682
Oakland	Metropolitan Oakland Intl	PR	3771	410	21154
Ontario	Ontario Intl	PR	5322	46	220555
Oxnard	Oxnard	PR	40	210	2356
Palm Springs	Palm Springs Regional	PR	553	180	63529
Palmdale	Palmdale Production Flight/ Test Installa	PR	40	0	778
Redding	Redding Municipal	PR	75	165	4948
Sacramento	Sacramento Metropolitan	PR	2796	10	37998
San Diego	New	PR	0	0	700000
San Diego	San Diego Intl-Lindbergh Fld	PR	7139	20	108767
San Francisco	San Francisco Intl	PR	19330	35	209391
San Jose	San Jose International	PR	4782	690	37796
San Luis Obispo	San Luis Obispo County-Mc Chesney Field	PR	80	260	3348
Santa Ana	John Wayne Airport-Orange County	PR	3101	1050	38886
Santa Barbara	Santa Barbara Municipal	PR	387	260	11814
Santa Maria	Santa Maria Public	PR	46	200	2152
Santa Rosa	Sonoma County	PR	74	440	4991
South Lake Tahoe	Lake Tahoe	PR	88	50	3000
Stockton	Stockton Metropolitan	PR	63	300	444
Visalia	Visalia Municipal	PR	16	170	1776

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Agua Dulce	Agua Dulce Airpark	RL	75	26498
Alturas	Alturas Municipal	GA	18	504
Anaheim	New	RL	75	8142
Angwin	Virgil O. Parrett Field	GA	42	0

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Apple Valley	Apple Valley	GA	190	1649
Auburn	Auburn Municipal	GA	208	4155
Avalon	Catalina	GA	21	0
Bakersfield	Bakersfield Municipal	GA	128	294
Banning	Banning Municipal	GA	110	333
Beckwourth	Nervino	GA	45	500
Big Bear	Big Bear City	GA	160	1000
Bishop	Bishop	GA	105	640
Blythe	Blythe	GA	50	556
Boonville	Boonville	GA	17	175
Borrego Springs	Borrego Valley	GA	19	1111
Brawley	Brawley Municipal	GA	72	525
Bridgeport	Bryant Field	GA	5	50003
Brownsville	Brownsville Aero Pines	GA	43	0
Byron	Byron	RL	60	6000
Calexico	Calexico Intl	GA	33	258
Camarillo	Camarillo	RL	660	2380
Cameron Park	Cameron Airpark	GA	200	29
Canoga Park	New	GA	0	2335
Carmel Valley	New	GA	20	768
Cedarville	Cedarville	GA	15	392
Chemehuevi Valley	Chemehuevi Valley	GA	10	0
Chester	Chester	GA	30	949
Chino	Chino	RL	200	27866
Chowchilla	Chowchilla	GA	30	13904
Clear Lake	Pearce Field	GA	50	0
Cloverdale	Cloverdale Municipal	GA	18	333
Coalinga	Coalinga Municipal	GA	15	4778
Columbia	Columbia	GA	165	200
Colusa	Colusa County	GA	30	364
Compton	Compton	RL	412	5080
Corcoran	Corcoran	GA	14	0
Corning	Corning Municipal	GA	15	585
Corona	Corona Municipal	RL	600	2001
Covelo	Round Valley	GA	10	1246
Daggett	Barstow-Daggett	GA	105	2225
Davis	University	GA	65	962
Death Valley Natl Mo	Death Valley	GA	3	466
Delano	Delano Municipal	GA	54	56
Dinmore	Dinmore	GA	20	0
Dorris	Butte Valley	GA	5	0
Dunsmuir	Dunsmuir Municipal-Mott	GA	19	556
El Monte	El Monte	RL	520	2466
Escondido	New	GA	25	1208
Eureka	Kneeland	GA	0	667
Eureka	Murray Field	GA	101	2422
Fall River Mills	Fall River Mills	GA	20	313
Fallbrook	Fallbrook Community Airpark	GA	100	477
Fillmore	New	GA	50	5000
Firebaugh	Firebaugh	GA	20	276
Fort Jones	Scott Valley	GA	10	840
Fortuna	Rohnerville	GA	40	0
Franklin	Franklin Field	GA	7	815
Fresno	Fresno-Chandler Downtown	RL	150	2056
Fullerton	Fullerton Municipal	RL	590	1243
Garberville	Garberville	GA	20	308
Georgetown	Georgetown	GA	30	963
Grass Valley	Nevada County Air Park	GA	136	7333

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Groveland	Pine Mountain Lake	GA	115	1750
Gustine	Gustine	GA	22	85
Half Moon Bay	Half Moon Bay	RL	95	2333
Hanford	Hanford Municipal	GA	75	924
Happy Camp	Happy Camp	GA	8	75
Hawthorne	Hawthorne Municipal	RL	235	16299
Hayfork	Hayfork	GA	17	552
Hayward	Hayward Air Terminal	RL	600	2377
Healdsburg	Healdsburg Municipal	GA	60	307
Hemet	Hemet-Ryan	GA	350	806
Hesperia	Hesperia Air Lodge	GA	60	0
Hollister	Hollister Municipal	GA	145	1667
Hoopa	Hoopa	GA	1	0
Huntington Beach	New	RL	150	7741
Huntington Beach	New	GA	12	3520
Jackson	Westover Field Amador County	GA	105	5708
Kernville	Kern Valley	GA	35	1702
King City	Mesa Del Rey	GA	40	1610
La Mesa	New	GA	50	7145
La Verne	Brackett Field	RL	510	2500
Lakeport	Lampson	GA	150	0
Lancaster	General Wm J Fox Airfield	GA	240	1288
Lee Vining	Lee Vining	GA	6	849
Lincoln	Lincoln Municipal	RL	230	4467
Little River	Little River	GA	30	472
Livermore	Livermore Municipal	RL	580	1976
Lodi	Lodi	GA	175	0
Lone Pine	Lone Pine	GA	18	748
Los Angeles	New	RL	150	7483
Los Angeles	New	GA	5	530
Los Angeles	Whiteman	RL	580	5911
Los Banos	Los Banos Municipal	GA	28	94
Lost Hills	Lost Hills-Kern County	GA	2	214
Madera	Madera Municipal	GA	108	1667
Marina	Fort Ord (Fritzsche AAF)	GA	0	6250
Mariposa	Mariposa-Yosemite	GA	40	8223
Marysville	Yuba County	GA	108	889
Mendota	Mendota	GA	5	0
Merced	Castle AFB	GA	0	11935
Mojave	Mojave	GA	130	2222
Montague	Siskiyou County	GA	23	653
Moreno Valley	New	GA	96	595
Napa	Napa County	RL	225	1721
Needles	Needles	GA	32	2010
Newhall	New	GA	75	4448
Novato	Gnoss Field	RL	310	8425
Oakdale	Oakdale	GA	70	2611
Oakhurst	New	GA	20	976
Oceano	Oceano County	GA	17	737
Oceanside	Oceanside Municipal	GA	175	1080
Orland	Haigh Field	GA	55	286
Oroville	Oroville Municipal	GA	48	17031
Palm Springs	Bermuda Dunes	GA	140	0
Palo Alto	Palo Alto Arpt Of Santa Clara Co	RL	580	3111
Paradise	Paradise Skypark	GA	50	0
Pasadena	New	GA	0	3435
Paso Robles	Paso Robles Municipal	GA	178	16776
Patterson	New	GA	20	561

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Petaluma	Petaluma Municipal	RL	185	667
Placerville	Placerville	GA	200	2167
Porterville	Porterville Municipal	GA	90	1435
Quincy	Gansner Field	GA	30	145
Ramona	Ramona	RL	220	3140
Rancho California	French Valley	GA	130	78
Rancho Murieta	Rancho Murieta	RL	70	2530
Red Bluff	Red Bluff Municipal	GA	60	484
Redlands	Redlands Municipal	GA	235	222
Reedley	Reedley Municipal	GA	63	595
Rialto	Rialto Municipal/ Miro Fld	RL	265	7922
Rio Linda	Rio Linda	GA	195	0
Rio Vista	Rio Vista Municipal	GA	55	278
Riverside	Riverside Municipal	RL	300	3444
Ruth	Ruth	GA	6	529
Sacramento	Mather AFB	RL	0	0
Sacramento	Sacramento Executive	RL	450	4778
Salinas	SaliNAS Municipal	GA	245	222
San Andreas	Calaveras Co-Maury Rasmussen Field	GA	70	15
San Bernardino	Norton AFB	RL	10	9495
San Carlos	San Carlos	RL	500	17889
San Diego/ El Cajon	Gillespie Field	RL	810	2012
San Diego	Brown Field Municipal	RL	235	33936
San Diego	Montgomery Field	RL	550	5329
San Francisco	New	RL	150	6880
San Francisco	New	GA	5	0
San Jose	Moffett Field NAS	RL	0	278
San Jose	New	RL	300	12410
San Jose	Reid-Hillview Of Santa Clara County	RL	555	6722
San Juan Capistrano	New	GA	100	7430
San Martin	South County Arpt Of Santa Clara County	RL	87	1888
San Rafael	Hamilton AAF	GA	0	0
Santa Monica	Santa Monica Municipal	RL	560	1456
Santa Paula	Santa Paula	GA	260	0
Santa Ynez	Santa Ynez	GA	150	669
Schellville	New	GA	100	1112
Selma	New	GA	40	983
Shafter	Shafter-Minter Field	GA	85	389
Shelter Cove	Shelter Cove	GA	7	0
Shingletown	Shingletown	GA	3	7100
Simi Valley	New	GA	140	3116
Soledad	New	GA	10	456
Susanville	Susanville Municipal	GA	30	444
Taft	New	GA	40	960
Tehachapi	Tehachapi Municipal	GA	70	972
Thermal	Thermal	GA	80	889
Torrance	Torrance Municipal	RL	760	4656
Tracy	Tracy Municipal	GA	105	246
Trinity Center	Trinity Center	GA	25	752
Trona	Trona	GA	25	891
Truckee	Truckee-Tahoe	GA	165	1722
Tulare	Mefford Field	GA	70	888
Tulelake	Tulelake Municipal	GA	14	791
Turlock	Turlock Municipal	GA	78	686
Twentynine Palms	Twentynine Palms	GA	30	781
Ukiah	Ukiah Municipal	GA	105	120
Upland	Cable	RL	440	40066
Vacaville	Nut Tree	GA	195	572

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Van Nuys	Van Nuys	RL	990	7410
Victorville	George AFB	GA	10	5106
Wasco	Wasco-Kern County	GA	15	1077
Watsonville	Watsonville Municipal	GA	380	6507
Weaverville	Lonnie Pool Field	GA	16	424
Weed	Weed	GA	23	0
Willits	Ells Field-Willits Municipal	GA	23	546
Willows	Willows-Glenn County	GA	58	42
Winters/ Davis/ Wood	Yolo County	GA	57	1700
Woodlake	Woodlake	GA	28	2093
Woodland	Watts-Woodland	GA	83	0
Yuba City	Sutter County	GA	98	1540
Yucca Valley	Yucca Valley	GA	55	150

COLORADO

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Alamosa	Alamosa Municipal (Bergman Field)	CM	9	36	10236
Aspen	Aspen-Pitkin Co/ Sardy Field	PR	296	59	18493
Colorado Springs	City Of Colorado Springs Municipal	PR	857	222	80542
Cortez	Cortez-Montezuma County	CM	8	33	2919
Denver	New	PR	25000	0	454222
Denver	Stapleton International	PR	15847	157	1
Durango	Durango-La Plata County	PR	92	39	7105
Eagle	Eagle County	PR	120	38	43003
Fort Collins	Fort Collins-Loveland	PR	22	123	4526
Grand Junction	Walker Field	PR	193	94	26084
Gunnison	Gunnison County	PR	59	28	4981
Hayden	Yampa Valley (Hayden)	PR	66	7	18513
Lamar	Lamar Municipal	CM	5	35	2578
Montrose	Montrose County	PR	37	65	26431
Pueblo	Pueblo Memorial	PR	77	66	18297
Steamboat Springs	Steamboat Springs/ Bob Adams Field	PR	62	29	13799
Telluride	Telluride Regional	PR	19	6	14800

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Akron	Akron-Washington County	GA	27	935
Boulder	Boulder Municipal	GA	217	2962
Buena Vista	Buena Vista Municipal	GA	22	2830
Burlington	Kit Carson County	GA	33	1331
Canon City	Fremont County	GA	32	3843
Castle Rock	New	RL	100	0
Center	New	GA	18	0
Colorado Springs	Meadow Lake	RL	260	2780
Craig	Craig-Moffat	GA	35	2660
Delta	Blake Field	GA	17	2040
Denver	Centennial	RL	670	42866
Denver	Front Range	RL	140	36739
Denver	Jeffco	RL	412	23728
Eads	Eads Municipal	GA	8	2354
Erie	Tri-County	RL	0	2530
Fort Morgan	Fort Morgan Municipal	GA	20	765
Fowler	Fowler	GA	12	944
Glenwood Springs	New	GA	54	0
Granby	Granby-Grand County	GA	8	954
Greeley	Greeley-Weld County	GA	257	13228
Holyoke	Holyoke	GA	16	585
Julesburg	Julesburg Municipal	GA	4	0
Kremmling	Kremmling	GA	15	901
La Junta	La Junta Municipal	GA	22	1306
La Veta	Cuchara Valley	GA	1	0
Las Animas	City And County	GA	14	206

Appendix A

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Leadville	Lake County	GA	9	3474
Limon	Limon Municipal	GA	23	980
Longmont	Longmont Municipal	GA	157	2337
Meeker	Meeker	GA	9	1504
Monte Vista	Monte Vista Municipal	GA	36	2086
Nucla	Hopkins Field	GA	8	0
Pagosa Springs	Stevens Field	GA	18	2126
Rangely	Rangely	GA	22	1738
Rifle	Garfield County Regional	GA	53	4105
Salida	Harriet Alexander Field	GA	22	621
San Luis	New	GA	3	1476
Springfield	Springfield Municipal	GA	7	1
Sterling	Crosson Field	GA	23	2260
Trinidad	Las Animas County	GA	9	600
Walsenburg	Johnson Field	GA	7	39
Westcliffe	New	GA	7	3424
Wray	Wray Municipal	GA	38	214
Yuma	Yuma Municipal	GA	21	1922

CONNECTICUT

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Bridgeport	Igor I Sikorsky Memorial	PR	65	254	12737
Groton	Groton-New London	PR	25	73	3288
Hartford	Hartford Brainard	CR	4	183	8583
New Haven	Tweed-New Haven	PR	87	122	14969
Windsor Locks	Bradley International	PR	3000	91	52593

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Burlington	Johnnycake	RL	73	3100
Chester	Chester	GA	0	0
Danbury	Danbury Municipal	RL	287	9366
Danielson	Danielson	GA	25	3666
Madison	Griswold	GA	54	0
Meriden	Meriden-Markham Municipal	GA	125	1265
Oxford	Waterbury-Oxford	GA	225	7000
Plainville	Robertson Field	RL	100	0
Simsbury	Simsbury Tri-Town	GA	40	0
Willimantic	Windham	GA	53	2766

DELAWARE
FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS
PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Dover	Dover Air Force Base	CM	6	0	0
Wilmington	Greater Wilmington-New Castle Cty	CM	6	256	18037

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Dover	Delaware Airpark	GA	26	0
Georgetown	Sussex Cty Arprt	GA	37	2913
Middletown	Summit Airpark	RL	84	1625
Wilmington	Downtown Heliport	RL	5	1000

DISTRICT OF COLUMBIA**FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS**

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Washington	New	GA	2	0

FLORIDA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Daytona Beach	Daytona Beach Regional	PR	588	219	15002
Ft. Lauderdale	Fort Lauderdale-Hollywood Int'l	PR	5000	420	196188
Ft. Myers	Southwest Florida Regional	PR	3208	20	233754
Gainesville	Gainesville Regional	PR	300	160	10341
Jacksonville	Jacksonville International	PR	2190	90	36713
Key West	Key West International	PR	223	55	4508
Marathon	Marathon Flight Strip	PR	15	84	6093
Melbourne	Melbourne Regional Airport	PR	456	209	26429
Miami	Chalk SPB	PR	13	0	500
Miami	Miami International	PR	14720	150	325462
Naples	Naples Municipal	PR	87	253	6765
Ocala	Ocala Municipal/ Jim Taylor Field	CM	3	120	17536
Orlando	Orlando International	PR	9251	200	596461
Panama City	Panama City-Bay County	PR	155	120	11275
Pensacola	Pensacola Regional	PR	538	132	6603
Sarasota	Sarasota Bradenton International	PR	110	180	114826
St. Petersburg	St. Petersburg Clearwater International	PR	196	336	15142
Tallahassee	Tallahassee Regional	PR	551	157	13126
Tampa	Tampa International	PR	7516	125	163359
Valparaiso	Eglin Air Force Base	PR	209	0	1688
Vero Beach	Vero Beach Municipal	CM	9	296	4602
West Palm Beach	Palm Beach International	PR	3750	395	36020

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Apalachicola	Apalachicola Municipal	GA	12	1797
Apopka	New	RL	41	17800
Arcadia	Arcadia Municipal	GA	35	711
Avon Park	Avon Park Municipal	GA	64	2892
Bartow	Bartow Municipal	GA	134	3565
Belle Glade	Belle Glade Municipal	GA	18	1732
Boca Raton	Boca Raton	RL	221	2370
Bonifay	Tri-County	GA	7	44
Brooksville	Hernando County	GA	130	4019
Bunnell	Flagler County	GA	76	670
Bushnell	New	GA	23	0
Cedar Key	George T Lewis	GA	8	250
Clearwater	Clearwater Air Park	RL	145	1856
Clewiston	Airglades	GA	50	3389
Cocoa	Merritt Island	RL	236	567
Crestview	Bob Sikes	GA	58	5926
Cross City	Cross City	GA	12	64594
Defuniak Springs	Defuniak Springs	GA	33	913
Deland	Deland Municipal-Taylor Field	GA	103	4494
Destin	Destin-Ft. Walton Beach	GA	69	3411
Dunnellon	Dunnellon Municipal	GA	59	466

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Everglades	Everglades	GA	4	164
Fernandina Beach	Fernandina Beach Municipal	RL	87	2087
Ft. Lauderdale	Fort Lauderdale Executive	RL	900	2799
Ft. Lauderdale	New	GA	0	1300
Ft. Myers	Page Field	RL	226	2999
Ft. Pierce	St. Lucie County International	GA	180	32323
Green Cove Springs	New	GA	10	0
Hilliard	Hilliard Airpark	GA	28	0
Hollywood	New	RL	10	44456
Hollywood	North Perry	RL	400	300
Homestead	Homestead General Aviation Airport	RL	100	25950
Immokalee	Immokalee	GA	20	1329
Indiantown	New	GA	10	0
Jacksonville	Craig Municipal	RL	252	14404
Jacksonville	Herlong	RL	91	2177
Jupiter	New	RL	135	8622
Key Largo	New	GA	10	0
Keystone Heights	Keystone Airpark	GA	77	1714
Labelle	Labelle Municipal	GA	21	177
Lake City	Lake City Municipal	GA	22	4000
Lake Wales	Lake Wales Municipal	GA	55	1426
Lakeland	Lakeland Linder Regional	RL	240	6428
Lantana	Palm Beach County Park	RL	283	1660
Leesburg	Leesburg Municipal	GA	157	316
Live Oak	Suwannee County	GA	14	1387
Macclenny	New	GA	0	0
Marco Island	Marco Island	GA	11	140
Marianna	Marianna Municipal	GA	23	736
Miami	Dade Collier T And T	RL	0	0
Miami	Kendall-Tamiami Executive	RL	550	6361
Miami	New	GA	0	0
Miami	New	GA	0	100
Miami	New	GA	0	100
Miami	New	GA	0	100
Miami	Opa-Locka Airport	RL	798	35677
Miami	Opa-Locka West	GA	0	825
Milton	Peter Prince Field	RL	88	356
New Smyrna Beach	New Smyrna Beach Municipal	GA	161	815
Okeechobee	Okeechobee County	GA	34	1096
Orlando	Central Florida Regional Airport	RL	320	16786
Orlando	Kissimmee Municipal	RL	226	5435
Orlando	New	RL	0	30345
Orlando	New	RL	0	30345
Orlando	Orlando Executive	RL	487	13648
Ormond Beach	Ormond Beach Municipal	GA	72	2840
Pahokee	Palm Beach County Glades	GA	49	2051
Palatka	Kay Larkin	GA	48	2075
Panacia	New	GA	12	0
Pensacola	Ferguson	GA	67	0
Pensacola	New	GA	0	0
Perry	Perry-Foley	GA	18	3218
Pine Island	New	RL	0	200
Plant City	Plant City Municipal	GA	65	2100
Pompano Beach	Pompano Beach Airpark	GA	259	1022
Punta Gorda	Charlotte County	GA	225	11241
Quincy	Quincy Municipal	GA	22	1848
Rockledge	New	GA	10	3998
Ruskin	New	RL	0	1100

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Sebastian	Sebastian Municipal	GA	48	1285
Sebring	Sebring Airport And Industrial Park	GA	35	2626
St. Augustine	St. Augustine	RL	181	2518
St. Cloud	New	GA	10	17800
St. Petersburg	Albert Whitted	RL	185	725
Stuart	Witham Field	GA	265	1209
Tallahassee	New	RL	0	0
Tampa	Mc Dill Air Force Base	RL	0	167
Tampa	Peter O. Knight	RL	115	940
Tampa	Vandenberg	RL	270	7844
Tarpon Springs	New	RL	130	1100
Titusville	Arthur Dunn Airpark	GA	68	2770
Titusville	Space Center Executive	RL	129	6933
Valkaria	Valkaria	GA	38	1263
Venice	Venice Municipal	GA	230	2480
Wauchula	Wauchula Municipal	GA	40	2032
Williston	Williston Municipal	GA	28	713
Winter Haven	Winter Havens Gilbert	GA	125	9
Zephyrhills	Zephyrhills Municipal	RL	55	198

GEORGIA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Albany	Southwest Georgia Regional	PR	29	101	2854
Athens	Athens Municipal	PR	27	120	4011
Atlanta	William B Hartsfield-Atlanta Intl	PR	31087	28	487203
Augusta	Bush Field	PR	336	20	10502
Brunswick	Glynco Jetport	PR	17	43	2040
Columbus	Columbus Metropolitan	PR	139	149	5818
Macon	Middle Georgia Regional	PR	80	110	8092
Savannah	Savannah International	PR	749	118	38105
Valdosta	Valdosta Regional	PR	53	69	3017

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Adel	Cook County	GA	25	820
Alma	Bacon County	GA	14	0
Americus	Souther Field	GA	46	279
Ashburn	Turner County	GA	15	90
Atlanta	Dekalb-Peachtree	RL	653	15227
Atlanta	Fulton County-Brown Field	RL	331	27596
Atlanta	Peachtree City-Falcon Field	RL	90	1141
Augusta	Daniel Field	GA	100	100
Bainbridge	Decatur County Industrial Airpark	GA	45	2075
Baxley	Baxley Municipal	GA	16	100
Blairsville	Blairsville	GA	29	2785
Blakely	Early County	GA	10	0
Brunswick	Malcolm Mckinnon	GA	130	1932
Butler	Butler Municipal	GA	22	1085
Cairo	Cairo-Grady County	GA	29	456
Calhoun	Tom B David Field	GA	44	3062
Camilla	Camilla-Mitchell County	GA	20	0
Canon	Franklin County	GA	18	100
Canton	Cherokee County	GA	60	12740
Carrollton	West Georgia Regional	GA	66	922
Cartersville	Cartersville	RL	125	365
Cedartown	Cornelius-Moore Field	GA	20	1600
Claxton	Claxton-Evans County	GA	10	94
Cochran	Cochran	GA	12	100
Cordele	Crisp County-Cordele	GA	30	1148
Cornelia	Habersham County	GA	46	1650
Covington	Covington Municipal	RL	62	6875
Cuthbert	Cuthbert-Randolph	GA	5	0
Dahlonega	New	GA	19	9095
Dalton	Dalton Municipal	GA	62	2072
Dawson	Dawson Municipal	GA	25	127
Donalsonville	Donalsonville Municipal	GA	12	0
Douglas	Douglas Municipal	GA	40	2174
Douglasville	New	GA	62	3209

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Dublin	W. H. " Bud " Barron	GA	35	328
Eastman	Eastman-Dodge County	GA	17	200
Elberton	Elbert County-Patz Field	GA	15	170
Ellijay	Gilmer County	GA	7	0
Fitzgerald	Fitzgerald Municipal	GA	25	1197
Gainesville	Lee Gilmer Memorial	RL	135	2038
Greensboro	Greene County Airpark	GA	12	0
Griffin	New	GA	0	6260
Hampton	Henry County-Bear Creek	RL	118	3650
Hazelhurst	Hazelhurst	GA	15	0
Hinesville	Liberty County	GA	14	0
Homerville	Homerville	GA	5	184
Jasper	Pickens County	GA	35	4372
Jefferson	Jackson County	GA	49	998
Jekyll Island	Jekyll Island	GA	5	112
Jesup	Jesup-Wayne County	GA	8	350
Lagrange	Callaway	GA	58	747
Lawrenceville	Gwinnett County-Briscoe Field	RL	330	8559
Louisville	Louisville Municipal	GA	22	174
Macon	Herbert Smart Downtown	GA	65	1675
Madison	Madison Municipal	GA	15	450
Marietta	Mc Collum	RL	428	13661
Mc Rae	Telfair-Wheeler	GA	14	0
Metter	Metter Municipal	GA	24	100
Milledgeville	Baldwin County	GA	25	600
Millen	Millen	GA	5	41
Monroe	Monroe-Walton County	GA	34	1900
Montezuma	Dr. C. P. Savage, Sr. Airport	GA	10	172
Moultrie	Moultrie Municipal	GA	30	312
Nahunta	Brantley County	GA	4	54
Nashville	Berrien County	GA	10	342
Newnan	Newnan-Coweta County	RL	75	2369
Perry	Perry-Fort Valley	GA	35	1754
Pine Mountain	Callaway Gardens-Harris County	GA	6	0
Quitman	Quitman-Brooks County	GA	13	0
Reidsville	Reidsville	GA	4	75
Rome	Richard B Russell	GA	98	3642
Sandersville	Kaolin Field	GA	25	1300
St Marys	St Marys	GA	15	450
Statesboro	Statesboro Municipal	GA	35	2215
Swainsboro	Emanuel County	GA	8	0
Sylvania	Plantation Airpark	GA	33	416
Sylvester	Sylvester	GA	11	0
Thomaston	New	GA	29	725
Thomasville	Thomasville Municipal	GA	58	1692
Thomson	Thomson-Mcduffie County	GA	65	12906
Tifton	Henry Tift Myers	GA	45	200
Toccoa	Toccoa, Rg Le Tourneau Fid	GA	55	6440
Vidalia	Vidalia Municipal	GA	20	776
Warm Springs	Roosevelt Memorial	GA	12	506
Washington	Washington-Wilkes County	GA	16	42
Waycross	Waycross-Ware County	GA	40	1159
Waynesboro	Burke County	GA	15	0
Winder	Winder	GA	81	853
Wrens	Wrens Memorial	GA	7	158

HAWAII

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Hana	Hana	PR	14	3	700
Hilo	Hilo International	PR	726	22	21317
Honolulu	Honolulu Intl	PR	12867	284	1369471
Kahului	Kahului	PR	2631	67	48119
Kailua / Kona	Keahole	PR	1062	38	89586
Kalaupapa	Kalaupapa	CM	9	0	100
Kamuela	Waimea-Kohala	CM	8	12	0
Kaunakakai	Molokai	PR	201	4	2100
Lanai City	Lanai	PR	60	1	622
Lihue	Lihue	PR	1601	29	7373

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Central Oahu	New	RL	30	963
East Oahu	New	GA	0	250
Hanalei	Princeville	GA	6	0
Hanapepe	Port Allen	GA	8	391
Hawi	Upolu	GA	1	200
Kahului	New	GA	0	0
Kapalua-West Maui	Kapalua-West Maui	GA	0	0
Mokuleia	Dillingham Airfield	GA	24	4440

IDAHO

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Boise	Boise Air Terminal-Gowen Field	PR	685	351	22908
Coeur D' Alene	Coeur D' Alene Air Terminal	CM	7	119	3753
Hailey	Friedman Memorial	PR	47	126	4155
Idaho Falls	Fanning Field	PR	134	81	5577
Lewiston	Lewiston-Nez Perce County	PR	53	131	4125
Pocatello	Pocatello Regional	PR	59	63	2387
Twin Falls	Twin Falls-Sun Valley Regional	PR	41	107	1905

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Aberdeen	Aberdeen Municipal			
Arco	Arco-Butte County	GA	11	0
Blackfoot	Blackfoot/ Mc Carley Field	GA	7	7671
Bonniers Ferry	Boundary County	GA	54	158
Buhl	Buhl Municipal	GA	24	245
Burley	Burley Municipal	GA	48	0
Caldwell	Caldwell Industrial	GA	56	113
Cascade	Cascade	RL	74	1689
Challis	Challis	GA	9	990
Council	Council Municipal	GA	12	20
Craigmont	Craigmont Municipal	GA	12	0
Driggs	Teton Peaks/ Driggs Municipal	GA	7	764
Gooding	Gooding Municipal	GA	10	0
Grangeville	Grangeville	GA	24	0
Homedale	Homedale Municipal	GA	25	2656
Jerome	Jerome County	GA	7	0
Kamiah	Kamiah Municipal	GA	29	335
Kellogg	Kellogg/ Shoshone County	GA	20	0
Mc Call	Mc Call	GA	16	5
Mountain Home	Mountain Home Municipal	GA	50	2216
Nampa	Nampa Municipal	GA	27	544
Orofino	Orofino Municipal	GA	114	1505
Paris	Paris/ Bear Lake County	GA	22	20
Preston	Preston	GA	1	44
Priest River	Priest River	GA	20	0
Rexburg	Rexburg/ Madison County	GA	18	0
Salmon	Salmon	GA	77	2993
Sandpoint	Sandpoint	GA	35	0
Soda Springs	New	GA	57	2707
St Maries	St Maries Municipal	GA	0	1403
Weiser	Weiser Municipal	GA	16	0
		GA	10	0

ILLINOIS

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Belleville / St. Lou	Scott	CR	3	50	48900
Bloomington	Bloomington-Normal	PR	70	142	23081
Champaign / Urbana	University Of Illinois-Willard	PR	240	111	9823
Chicago / Wheeling /	Palwaukee	CR	5	385	31758
Chicago	Chicago Meigs	PR	40	4	9806
Chicago	Chicago Midway	PR	4082	294	74576
Chicago	Chicago O' Hare International	PR	36062	2	269006
Chicago	New Supplemental	PR	0	0	1100000
Decatur	Decatur	PR	67	134	16912
Marion	Williamson County	PR	20	52	4930
Moline	Quad City	PR	386	141	36689
Mt. Vernon	Mt Vernon-Outland	CM	3	67	5684
Peoria	Greater Peoria Regional	PR	260	177	26632
Quincy	Quincy Municipal-Baldwin Field	PR	18	50	4242
Rockford	Greater Rockford	PR	171	295	72672
Springfield	Capital	PR	178	132	29769

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Aledo	Mercer County	GA	11	2009
Alton / St. Louis	St. Louis Regional	RL	154	12160
Beardstown	Greater Beardstown	GA	10	1415
Belvidere	Belvidere Ltd	GA	115	1315
Benton	Benton Municipal	GA	25	2339
Cahokia / St. Louis	St. Louis Downtown-Parks	RL	212	5905
Cairo	Cairo	GA	22	2229
Canton	Ingersoll	GA	29	75
Carbondale	Southern Illinois Airport	GA	120	3640
Carmi	Carmi Municipal	GA	20	1209
Casey	Casey Municipal	GA	21	242
Centralia	Centralia Municipal	GA	37	1883
Chicago / Aurora	Aurora Municipal	RL	370	21760
Chicago / Elgin	New	RL	50	2855
Chicago / Frankfort	Frankfort	GA	45	8126
Chicago / Greenwood	Galt	GA	117	2771
Chicago / Harvard	Dacy	GA	127	1670
Chicago / Joliet	Joliet Park District	GA	157	2839
Chicago / Lansing	Lansing Municipal	RL	210	19149
Chicago / Monee	Sanger	GA	101	1482
Chicago / Plainfield	Clow	GA	142	1869
Chicago / Romeoville	Lewis University	RL	270	25451
Chicago / Round Lake	Campbell	GA	100	14021
Chicago / Schaumburg	Schaumburg Heliport	GA	1	1380
Chicago / Schaumburg	Schaumburg	GA	166	13594
Chicago / Waukegan	Waukegan Regional	RL	215	17135
Chicago / West Chica	Du Page	RL	560	32994

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Chicago / Woodstock	New	GA	10	2825
Chicago	New Heliport	GA	2	2701
Danville	Vermilion County	GA	106	2622
Dekalb	Dekalb-Taylor Municipal	GA	78	8274
Dixon	Dixon Muni-Charles R Walgreen Field	GA	46	520
East Moline	New	GA	26	2850
Effingham	Effingham County Memorial	GA	32	4643
Eureka	New	GA	15	2855
Fairfield	Fairfield Municipal	GA	16	2249
Flora	Flora	GA	12	3853
Freeport	The Albertus	GA	50	10843
Galesburg	Galesburg Municipal	GA	75	340
Gibson City	Gibson City Municipal	GA	19	2875
Greenville	Greenville	GA	32	1986
Harrisburg	Harrisburg-Raleigh	GA	20	0
Havana	Havana Regional	GA	10	689
Jacksonville	Jacksonville Municipal	GA	40	1805
Kankakee	Greater Kankakee	GA	112	5048
Kewanee	Kewanee Municipal	GA	22	2098
Lacon	Marshall County	GA	38	5929
Lake In The Hills	Lake In The Hills	RL	164	13633
Lawrenceville	Lawrenceville-Vincennes Municipal	GA	42	4460
Lincoln	Logan County	GA	40	1696
Litchfield	Litchfield Municipal	GA	42	2306
Macomb	Macomb Municipal	GA	29	4630
Mattoon - Charleston	Coles County Memorial	GA	84	2774
Metropolis	Metropolis Municipal	GA	38	1572
Monmouth	Monmouth Municipal	GA	14	102
Morris	Morris Municipal	GA	37	4938
Mt Carmel	Mt Carmel Municipal	GA	28	2926
Mt. Sterling	Mt. Sterling Municipal	GA	15	500
Olney - Noble	Olney-Noble	GA	14	1969
Paris	Edgar County	GA	12	1705
Pekin	Pekin Municipal	GA	31	3018
Peoria	Mt. Hawley Auxiliary	GA	108	282
Peru / Lasalle	Illinois Valley Regional	GA	53	5614
Pinckneyville - Duqu	Pinckneyville-Duquoin	GA	12	1629
Pittsfield	Pittsfield Penstone Municipal	GA	11	1069
Pontiac	Pontiac Municipal	GA	10	2875
Rantoul	Chanute	GA	50	10875
Robinson	Robinson Municipal	GA	36	2778
Rochelle	Rochelle Municipal	GA	39	2698
Rockford	New	GA	21	1618
Salem	Salem-Leckrone	GA	20	1437
Savanna	Tri-Township Airport	GA	10	1966
Shelbyville	Shelby County	GA	11	1295
Sparta	Sparta Community-Hunter Field	GA	27	2127
Sterling Rockfalls	Whiteside Co Arprt-Jos H Bittorf Fld	GA	34	3765
Streator - Ottawa	New	GA	10	1623
Taylorville	Taylorville Municipal	GA	27	2099
Troy / Marine / St.	Shafer-Metro East	RL	66	4277
Tuscola	Tuscola	GA	16	1992
Vandalia	Vandalia Municipal	GA	10	2242
Waterloo / Columbia	New	RL	20	2925
Watseka	New	GA	10	1618

INDIANA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Anderson	Anderson Municipal	PR	10	80	1592
Bloomington	Monroe County	CM	6	76	20712
Evansville	Evansville Regional	PR	280	64	8156
Fort Wayne	Fort Wayne International	PR	380	95	21971
Indianapolis	Indianapolis International	PR	3243	95	147909
Kokomo	Kokomo Municipal	PR	10	55	6032
Lafayette	Purdue University	PR	40	85	5377
Muncie	Delaware County	CM	8	70	4429
South Bend	Michiana Regional	PR	465	58	10372
Terre Haute	Hulman Regional	PR	14	67	36625

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Angola	Steuben County-Tri State	GA	27	1504
Auburn	Dekalb County	GA	50	4145
Aurora / Batesville	New-Aurora/ Batesville	GA	0	2825
Bedford	Virgil I Grissom Municipal	GA	24	5309
Bluffton / Hartford	New-Bluffton/ Hartford City	GA	10	3125
Brazil	New	GA	10	2825
Columbus	Columbus Municipal	GA	71	2403
Connersville	Mettel Field	GA	15	4280
Crawfordsville	Crawfordsville Municipal	GA	28	1394
Decatur	New	GA	10	3125
Delphi	Delphi Municipal	GA	14	540
Elkhart	Elkhart Municipal	GA	88	3168
Fort Wayne	Smith Field	RL	91	3435
Frankfort	Frankfort Municipal	GA	18	2600
French Lick	French Lick Municipal	GA	9	334
Gary	Gary Regional	RL	81	3338
Goshen	Goshen Municipal	GA	39	2254
Greencastle	Putnam County	GA	16	325
Griffith	Griffith-Merrillville Airport	GA	31	10855
Huntingburg	Huntingburg	GA	35	1575
Huntington	Huntington Municipal	GA	63	6262
Indianapolis / Green	Greenwood Municipal	RL	105	3562
Indianapolis	Eagle Creek Airpark	RL	144	3500
Indianapolis	Hendricks County	GA	53	6239
Indianapolis	Indianapolis Downtown	GA	9	1000
Indianapolis	Indianapolis Metropolitan	RL	117	10903
Indianapolis	Indianapolis Terry	RL	53	5549
Indianapolis	Mount Comfort	RL	104	8993
Jeffersonville	Clark County	RL	128	1116
Kendallville	Kendallville Municipal	GA	40	1070
Kentland	Kentland Municipal	GA	9	4350
Knox	Starke County	GA	20	2998
Lake Village	New	GA	10	2825

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Laporte	Laporte Municipal	GA	61	3240
Lebanon	New	GA	43	2825
Linton / Bloomfield	New	GA	16	3359
Logansport	Logansport Municipal	GA	20	1117
Madison	Madison Municipal	GA	29	0
Marion	Marion Municipal	GA	45	2450
Martinsville	New	GA	28	2825
Michigan City	Michigan City Municipal-Phillips Fl	GA	59	2633
Monticello	White County	GA	25	2170
Mt. Vernon	New	GA	10	2825
New Castle	New Castle-Henry Co Muni	GA	33	2205
North Vernon	North Vernon	GA	20	264
Paoli	Paoli Municipal	GA	7	697
Perrysville	New	GA	19	2855
Peru	Peru Municipal	GA	15	1490
Plymouth	Plymouth Municipal	GA	26	1532
Portland	Portland Municipal	GA	11	787
Princeton	New	GA	15	2855
Rensselaer	Jasper County	GA	20	770
Richmond	Richmond Municipal	GA	42	1640
Rochester	Fulton County	GA	24	1244
Salem	Salem Municipal	GA	39	1017
Seymour	Freeman Municipal	GA	38	986
Shelbyville	Shelbyville Municipal	GA	43	6399
Sheridan	Sheridan	GA	26	2185
Sullivan	Sullivan County	GA	31	1248
Tell City	Perry County Municipal	GA	19	636
Valparaiso	Porter County Municipal	GA	133	8178
Wabash	Wabash Municipal	GA	17	2525
Warsaw	Warsaw Municipal	GA	56	9160
Washington	Daviess County	GA	29	1061
Winamac	Arens Field	GA	15	4590
Winchester	Randolph County	GA	17	2118

IOWA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Burlington	Burlington Municipal	PR	38	46	3149
Cedar Rapids	Cedar Rapids Municipal	PR	487	155	11754
Des Moines	Des Moines Municipal	PR	936	170	33726
Dubuque	Dubuque Municipal	PR	40	50	30179
Fort Dodge	Fort Dodge Municipal	CM	8	32	330
Mason City	Mason City Municipal	PR	18	53	4159
Sioux City	Sioux Gateway Airport	PR	120	94	21801
Spencer	Spencer Municipal	CM	7	42	4330
Waterloo	Waterloo Municipal	PR	76	93	3495

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Albia	Albia Municipal	GA	10	1284
Algona	Algona Municipal	GA	12	1977
Ames	Ames Municipal	GA	113	618
Ankeny	New	RL	50	5112
Atlantic	Atlantic Municipal	GA	29	182
Audubon	Audubon Municipal	GA	13	873
Belle Plaine	Belle Plaine Municipal Airport	GA	10	0
Bloomfield	Bloomfield Municipal	GA	16	750
Boone	Boone Municipal	GA	37	1322
Carroll	Arthur N Neu	GA	23	35
Centerville	Centerville Municipal	GA	11	698
Chariton	Chariton Municipal	GA	22	890
Charles City	Charles City Municipal	GA	22	1263
Cherokee	Cherokee Municipal	GA	50	571
Clarinda	Schenck Field	GA	23	1037
Clarion	Clarion Municipal	GA	16	861
Clinton	Clinton Municipal	GA	18	1681
Council Bluffs	Council Bluffs Municipal	RL	37	552
Cresco	Ellen Church Field	GA	10	1345
Creston	Creston Municipal	GA	10	1557
Davenport	Davenport Municipal	RL	100	1766
Decorah	Decorah Municipal	GA	8	339
Denison	Denison Municipal	GA	21	1427
Eagle Grove	Eagle Grove Municipal	GA	10	702
Emmetsburg	Emmetsburg Municipal	GA	11	775
Estherville	Estherville Municipal	GA	22	660
Fairfield	Fairfield Municipal	GA	28	960
Forest City	Forest City Municipal	GA	25	10
Fort Madison	Fort Madison Municipal	GA	13	1075
Greenfield	Greenfield Municipal	GA	20	1625
Grinnell	Grinnell Municipal	GA	8	905
Guthrie Center	Guthrie County Regional Airport	GA	14	12
Hampton	Hampton Municipal	GA	10	2843
Harlan	Harlan Municipal	GA	35	869

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Humboldt	Humboldt Municipal	GA	16	902
Ida Grove	New	GA	12	1335
Independence	Independence Municipal	GA	18	755
Iowa City	Iowa City Municipal	GA	51	1413
Iowa Falls	Iowa Falls Municipal	GA	15	1347
Jefferson	Jefferson Municipal	GA	18	1250
Keokuk	Keokuk Municipal	GA	27	281
Knoxville	Knoxville Municipal	GA	26	707
Lamoni	Lamoni Municipal	GA	10	1625
Le Mars	Le Mars Municipal	GA	22	690
Mapleton	Mapleton Municipal	GA	13	1560
Maquoketa	Maquoketa Municipal	GA	5	740
Marion	New	GA	0	0
Marshalltown	Marshalltown Municipal	GA	30	2348
Missouri Valley	New	GA	10	2070
Monticello	Monticello Municipal	GA	20	1587
Mount Pleasant	Mount Pleasant Municipal	GA	12	833
Muscatine	Muscatine Municipal	GA	38	3647
Newton	Newton Municipal	GA	25	1330
Oelwein	Oelwein Municipal	GA	17	870
Onawa	New	GA	14	2242
Orange City	Orange City Municipal	GA	10	1410
Osage	Osage Municipal	GA	7	1105
Osceola	Municipal	GA	4	849
Oskaloosa	Oskaloosa Municipal	GA	28	1335
Ottumwa	Ottumwa Industrial	GA	28	2724
Pella	Pella Municipal	GA	15	347
Perry	Perry Municipal	GA	20	1425
Pocahontas	Pocahontas Municipal	GA	20	2050
Red Oak	Red Oak Municipal	GA	20	130
Rock Rapids	Rock Rapids Municipal	GA	10	1702
Rockwell City	Rockwell City Municipal	GA	9	1310
Sac City	Sac City Municipal	GA	14	735
Sheldon	Sheldon Municipal	GA	17	1051
Shenandoah	Shenandoah Municipal	GA	18	543
Spirit Lake	New	GA	15	3545
Storm Lake	Storm Lake Municipal	GA	28	120
Tipton	Mathews Memorial	GA	8	1180
Vinton	Vinton Veterans Memorial Airpark	GA	12	967
Washington	Washington Municipal	GA	12	855
Waverly	Waverly Municipal	GA	12	230
Webster City	Webster City Municipal	GA	22	1460
West Union	George L Scott Municipal	GA	10	860

KANSAS

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Dodge City	Dodge City Regional	CM	3	53	336
Garden City	Garden City Regional	CM	6	54	389
Hays	Hays Municipal	CM	6	37	4618
Liberal	Liberal Municipal	CM	3	71	0
Manhattan	Manhattan Municipal	PR	46	73	3137
Salina	Salina Municipal	CM	7	87	5142
Topeka	Forbes Field	PR	50	88	1455
Wichita	Colonel James Jabara	CR	8	98	2242
Wichita	Wichita Mid-Continent	PR	811	326	15145

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Abilene	Abilene Municipal	GA	19	0
Anthony	Anthony Municipal	GA	11	40
Ashland	New	GA	12	1228
Atchison	Amelia Earhart	GA	19	1151
Atwood	Atwood-Rawlins County City	GA	45	145
Augusta	Augusta Municipal	RL	91	699
Belleville	Belleville Municipal	GA	19	0
Beloit	Beloit Municipal	GA	24	1529
Burlington	Coffey County	GA	20	3802
Chanute	Chanute Martin Johnson	GA	18	751
Cimarron	Cimarron Municipal	GA	20	700
Clay Center	Clay Center Municipal	GA	0	0
Coffeyville	Coffeyville Municipal	GA	40	1342
Colby	Shaltz Field	GA	25	250
Coldwater	New	GA	6	1640
Columbus - Oswego	New	GA	10	0
Concordia	Blosser Municipal	GA	23	50
El Dorado	Captain Jack Thomas/ El Dorado	GA	0	1612
Elkhart	Elkhart-Morton County	GA	0	870
Ellsworth	New	GA	18	0
Emporia	Emporia Municipal	GA	38	428
Eureka	Eureka Municipal	GA	14	0
Fort Scott	Fort Scott Municipal	GA	15	970
Ft. Leavenworth	Sherman AAF	GA	26	0
Gardner	Municipal	GA	69	0
Garnett	New	GA	20	1530
Goodland	Renner Field/ Goodland Municipal	GA	18	416
Great Bend	Great Bend Municipal	GA	33	133
Greensburg	New	GA	11	2054
Herington	Herington Municipal	GA	12	0
Hiawatha - Horton	New	GA	11	0
Hill City	Hill City Municipal	GA	21	425
Hillsboro - Marion	New	GA	10	1480
Hoxie	New	GA	10	0

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Hugoton	Hugoton Municipal	GA	0	0
Hutchinson	Hutchinson Municipal	GA	48	557
Independence	Independence Municipal	GA	19	0
Iola	Allen County	GA	22	3
Johnson	Stanton County Municipal	GA	33	1672
Junction City	Freeman Field	GA	30	0
Kansas City	New	RL	90	3390
Kingman	Kingman Municipal	GA	20	0
Kinsley	New	GA	10	1180
La Crosse	Rush County	GA	6	0
Lakin	Lakin	GA	11	1560
Larned	Larned-Pawnee County	GA	0	522
Lawrence	Lawrence Municipal	GA	44	0
Leoti	Mark Hoard Memorial	GA	11	1590
Lincoln	Lincoln Municipal	GA	7	757
Lyons	Lyons-Rice County Municipal	GA	28	0
Marysville	Marysville Municipal	GA	0	1468
Mc Pherson	Mc Pherson	GA	41	4001
Meade	Meade Municipal	GA	0	585
Medicine Lodge-Kiowa	New	GA	13	0
Ness City	Ness City Municipal	GA	16	0
Newton	Newton-City-County	RL	78	451
Norton	New	GA	12	1480
Oakley	Oakley Municipal	GA	50	0
Oberlin	Oberlin Municipal	GA	11	0
Olathe	Johnson County Executive	RL	300	721
Olathe	Johnson County Industrial	RL	130	2469
Osage City	Municipal	GA	22	967
Osawatomie / Paola	Miami County	GA	17	2731
Osborne	Osborne Municipal	GA	9	0
Ottawa	Ottawa Municipal	GA	30	280
Parsons	Tri City	GA	15	2440
Phillipsburg	Phillipsburg Municipal	GA	20	217
Pittsburg	Atkinson Municipal	GA	30	842
Pleasanton	New	GA	12	950
Pratt	Pratt Industrial	GA	33	2512
Russell	Russell Municipal	GA	13	0
Sabetha	Sabetha Municipal	GA	13	0
Satanta	Satanta Municipal	GA	17	765
Scott City	Scott City Municipal	GA	23	963
Sharon Springs	New	GA	25	0
Smith Center	Smith Center Municipal	GA	10	0
St Francis	Cheyenne County Municipal	GA	11	1780
Stafford	Stafford Municipal	GA	10	1510
Stockton-Plainville	New	GA	16	1590
Syracuse	Syracuse-Hamilton County Municipal	GA	10	0
Topeka	Philip Billard Municipal	GA	88	0
Tribune	Tribune Municipal	GA	16	1740
Ulysses	Ulysses	GA	36	662
Washington	Washington County Memorial	GA	4	1370
Wellington	Wellington Municipal	GA	38	300
Wichita	New	RL	100	3410
Winfield / Arkansas	Strother Field	GA	41	1026

KENTUCKY

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Covington	Cincinnati Northern Kentucky Intl	PR	6282	55	614658
Lexington	Blue Grass Field	PR	560	111	57374
Louisville	Standiford Field	PR	1534	24	221795
Owensboro	Owensboro-Daviess County	PR	12	133	7103
Paducah	Barkley Regional	PR	51	51	5728

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Ashland	Ashland-Boyd County	GA	44	540
Bardstown	Samuels Field	GA	21	811
Beattyville	New	GA	10	3000
Bowling Green	Bowling Green-Warren County Regional	GA	75	937
Burkesville	New	GA	16	0
Cambellsville	Taylor County	GA	22	640
Carrollton	New	GA	10	1025
Cynthiana	Cynthiana-Harrison County	GA	20	895
Danville	Goodall Field	GA	31	2663
Elizabethtown	Elizabethtown	GA	56	1165
Falmouth	Falmouth Pendleton County	GA	32	45
Flemingsburg	Fleming-Mason	GA	16	1141
Frankfort	Capital City	GA	52	715
Fulton	Fulton	GA	9	0
Georgetown	New	RL	26	401
Gilbertsville	Kentucky Dam State Park	GA	13	142
Glasgow	Glasgow Municipal	GA	27	3178
Greenville	Muhlenberg County	GA	17	75
Hardinsburg	Breckinridge County	GA	4	0
Harlan	Tucker-Guthrie Memorial	GA	10	5391
Hartford	Ohio County Airport	GA	10	410
Hazard	Eastern Kentucky Regional	GA	21	1311
Henderson	Henderson City-County	GA	35	340
Hopkinsville	Hopkinsville-Christian County	GA	44	1044
Irvine	New	GA	10	75
Jackson	Julian Carroll	GA	11	0
Jamestown	New	GA	10	1079
Liberty	New	GA	10	0
London	London-Corbin Airport Magee Field	GA	65	1910
Louisville	Bowman Field	RL	356	150
Madisonville	Madisonville Municipal	GA	23	763
Marion	Marion-Crittenden County	GA	10	0
Mayfield	Mayfield-Graves County	GA	28	213
Middlesboro	Middlesboro-Bell County	GA	41	351
Monticello	Wayne County	GA	10	345
Morehead	Morehead-Rowan County	GA	12	65
Mount Sterling	Mt Sterling-Montgomery County	GA	67	1485
Murray	Kyle-Oakley Field	GA	34	675

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Pikeville	Pike County-Hatcher Field	GA	37	301
Pine Knot	Mc Creary County Airport	GA	10	580
Prestonburg	Big Sandy Regional	GA	30	452
Princeton	Princeton-Caldwell County	GA	8	35
Richmond	Madison County	GA	26	486
Russellville	Russellville-Logan County	GA	20	1207
Somerset	Somerset-Pulaski County	GA	41	2876
Springfield	Lebanon-Springfield	GA	14	1901
Stanton	Stanton	GA	15	0
Sturgis	Sturgis Municipal	GA	26	300
Tompkinsville	Tompkinsville-Monroe County	GA	10	150
Walton	New	RL	15	5800
West Liberty	West Liberty	GA	5	0
Whitesburg	Whitesburg Municipal	GA	11	0
Williamsburg-Whitley	New	GA	10	1850
Williamstown	New	GA	15	1661
Winchester, Ky	New	GA	10	2200

LOUISIANA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Alexandria	Esler Regional	PR	90	42	7883
Baton Rouge	Baton Rouge Metropolitan, Ryan Field	PR	500	170	219701
Lafayette	Lafayette Regional	PR	153	124	12989
Lake Charles	Lake Charles Municipal	PR	90	118	3081
Monroe	Monroe Regional	PR	147	141	22155
New Orleans	New Orleans International (Moisant)	PR	4153	61	133753
Shreveport	Shreveport Regional	PR	480	80	22980

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Abbeville	Abbeville Municipal	GA	58	1816
Bastrop	Morehouse Memorial	GA	26	4857
Bogalusa	George R Carr Memorial	GA	28	2844
Cameron	New	GA	16	2785
Coushatta	Red River	GA	7	623
Covington	Richard Privette Sr.	GA	20	1540
Crowley	Le Gros Memorial	GA	2	775
De Quincy	De Quincy Industrial Airpark	GA	15	1548
De Ridder	Beauregard Parish	GA	25	2743
Eunice	Eunice	GA	17	1350
Farmerville	Farmerville	GA	13	824
Galliano	South Lafourche Airport	GA	55	2676
Gonzales	Louisiana Regional	RL	30	4845
Hammond	Hammond Municipal	RL	125	2724
Homer	Homer Municipal	GA	8	573
Houma	Houma-Terrebonne	GA	143	3021
Jena	Jena	GA	9	401
Jennings	Jennings	GA	22	1294
Jonesboro	Jonesboro	GA	5	647
Lake Charles	Chennault Industrial Airpark	GA	0	6352
Lake Providence	Byerley	GA	39	749
Leesville	Leesville	GA	13	3330
Mansfield	De Soto Parish	GA	28	282
Many	Hart	GA	5	400
Marksville	Marksville Municipal	GA	16	1200
Minden	Minden-Webster	GA	16	1002
Natchitoches	Natchitoches Municipal	GA	26	1154
New Iberia	Acadiana Regional	GA	48	543
New Orleans	Downtown Heliport	RL	5	160
New Orleans	Lakefront	RL	347	16151
New Roads	False River Airpark	GA	11	1917
Oak Grove	Kelly Field	GA	22	1524
Oakdale	Allen Parish	GA	6	1529
Opelousas	St Landry Parish Airport	GA	26	1457
Patterson	Harry P. Williams Memorial	GA	84	1565
Rayville	Rayville Municipal	GA	19	1046

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Reserve	St. John The Baptist	RL	44	8051
Ruston	New	GA	58	3633
Shreveport	Shreveport Downtown	RL	245	3433
Slidell	Slidell	RL	99	2863
Springhill	Springhill	GA	12	2509
St. Bernard	New	GA	10	2510
Sulphur	Southland Field	GA	15	3180
Tallulah	Vicksburg/ Tallulah Airport	GA	20	3314
Thibodaux	Thibodaux Municipal	GA	12	2719
Venice	New	RL	0	12237
Vidalia	Concordia Parish	GA	14	1003
Vivian	Vivian Airport	GA	16	360
Winnfield	David G Joyce	GA	14	0
Winnsboro	Winnsboro Municipal	GA	15	2752

MAINE

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Auburn - Lewiston	Auburn-Lewiston Municipal	CM	3	66	8076
Augusta	Augusta State	PR	21	58	5998
Bangor	Bangor International	PR	270	93	57434
Bar Harbor	Hancock Co-Bar Harbor	CM	7	28	5706
Frenchville	Northern Aroostook Regional	CM	4	21	0
Portland	Portland International Jetport	PR	830	85	23178
Presque Isle	Northern Maine Regional	PR	43	37	2528
Rockland	Knox County Regional	CM	7	67	10011
Waterville	Waterville-Robert Laffleur	CM	8	54	100

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Belfast	Belfast Municipal	GA	33	61
Bethel	Col Dyke Field	GA	9	0
Biddeford	Biddeford Municipal	RL	47	2900
Caribou	Caribou Municipal	GA	30	0
Carrabasset	Sugarloaf Regional	GA	5	225
Dexter	Dexter Regional	GA	14	900
Dover - Foxcroft	New	GA	10	821
Eastport	Eastport Municipal	GA	10	827
Fryeburg	Eastern Slopes Regional	GA	37	1500
Greenville	Greenville Municipal	GA	15	61
Houlton	Houlton International	GA	25	778
Island Falls	New	GA	10	575
Islesboro	Islesboro	GA	10	60
Jackman	Newton Field	GA	5	250
Lincoln	Lincoln Regional	GA	19	250
Machias	Machias Valley	GA	17	600
Millinocket	Millinocket Municipal	GA	30	256
Norridgewock	Central Maine Airport	GA	55	1444
Norway	Oxford County Regional	GA	24	703
Old Town	Dewitt Field-Old Town Municipal	GA	61	0
Pittsfield	Pittsfield Municipal	GA	26	500
Princeton	Princeton Municipal	GA	20	700
Rangeley	Rangeley Municipal	GA	14	1528
Sanford	Sanford Municipal	RL	62	8455
Stonington	New	GA	10	10
Wiscasset	Wiscasset	GA	38	333

MARYLAND

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Baltimore	Baltimore-Washington International	PR	6703	110	131866
Cumberland	Cumberland Municipal	CM	5	88	3238
Hagerstown	Washington County Regional	PR	40	142	6127
Ocean City	Ocean City	CM	3	36	2952
Salisbury	Salisbury Wicomico County	PR	170	110	5561

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Annapolis	Lee	GA	152	0
Baltimore	Martin State	RL	244	12947
Baltimore	New-Heliport	GA	3	0
Cambridge	Cambridge-Dorchester	GA	46	3300
Chestertown	New	GA	22	100
Churchville	Harford Co. Industrial Airpark	GA	59	0
Clinton	Washington Executive (Hyde Field)	RL	192	7166
College Park	College Park	GA	95	721
Crisfield	Crisfield Municipal	GA	15	1299
Easton	Easton Municipal	GA	81	4619
Elkton	Cecil County Airpark	GA	35	0
Frederick	Frederick Municipal	RL	280	3624
Gaithersburg	Montgomery Co Airpark	RL	338	1727
Howard County	New	RL	75	0
Indian Head	Maryland Airport	RL	71	0
La Plata	New	RL	75	0
Laurel	Suburban	GA	66	0
Laytonsville	Davis	GA	50	0
Leonardtwn	St Marys County	GA	80	2834
Mitchellville	Freeway	GA	128	0
Oakland	Garrett County	GA	11	856
Oenton	Tipton	RL	25	0
Rockville	New	RL	100	0
Stevensville	Bay Bridge Industrial	GA	36	1917
Westminster	Carroll County	RL	89	10855

MASSACHUSETTS

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Bedford	Laurence G Hanscom Field	CR	5	504	4435
Boston	Gen Edw L Logan Intl	PR	13784	5	638183
Hyannis	Barnstable Mun Boardman/ Polando Field	PR	145	93	6704
Marthas Vineyard	Marthas Vineyard	PR	82	38	4232
Nantucket	Nantucket Memorial	PR	141	35	8055
New Bedford	New Bedford Municipal	PR	12	127	1971
Norwood	Norwood Memorial	CR	7	240	4700
Provincetown	Provincetown Municipal	PR	26	17	1715
Worcester	Worcester Municipal	PR	283	94	26155

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Beverly	Beverly Municipal	RL	262	3083
Boston	New	GA	1	0
Chatham	Chatham Municipal	GA	38	3486
Chicopee	Westover AFB	GA	63	1750
Fall River	Fall River Municipal	GA	45	470
Fitchburg	Fitchburg Municipal	GA	129	500
Gardner	Gardner Municipal	GA	60	1398
Great Barrington	Great Barrington	GA	64	1100
Lawrence	Lawrence Municipal	RL	187	3810
Mansfield	Mansfield Municipal	GA	87	2489
Marshfield	Marshfield	GA	72	803
Montague	Turners Falls	GA	57	480
Norfolk	Norfolk	GA	93	0
North Adams	Harriman And West	GA	35	3660
Northampton	La Fleur	GA	68	0
Orange	Orange Municipal	GA	10	2905
Palmer	Metropolitan	GA	56	0
Pittsfield	Pittsfield Municipal	GA	45	2556
Plymouth	Plymouth Municipal	GA	150	2586
Southbridge	Southbridge Municipal	GA	44	556
Stow	Minute Man Airfield	RL	112	6922
Taunton	Taunton Municipal	GA	127	100
Tewksbury	Tew-Mac	GA	84	0
Westfield	Barnes Municipal	GA	200	444

MICHIGAN

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Alpena	Phelps Collins	CM	6	40	2134
Detroit	Detroit City	PR	338	340	39853
Detroit	Detroit Metropolitan-Wayne County	PR	13206	125	1121040
Escanaba	Delta County	PR	12	47	7199
Flint	Bishop	PR	149	150	18892
Grand Rapids	Kent County International	PR	894	215	68529
Hancock	Houghton County Memorial	PR	17	23	4284
Iron Mountain / King	Ford	CM	9	17	4797
Ironwood	Gogebic County	CM	4	10	3689
Kalamazoo	Kalamazoo County	PR	326	161	13719
Lansing	Capital City	PR	244	225	19095
Manistee	Manistee County-Blacker Airport	CM	3	21	2376
Marquette	Marquette County	PR	52	47	14785
Muskegon	Muskegon County	PR	45	70	6380
Pellston	Emmet County	PR	29	21	4448
Saginaw	Tri-City	PR	255	38	11789
Sault Ste. Marie	Chippewa County International	CM	4	13	2705
Traverse City	Cherry Capital	PR	93	98	3533

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Adrian	Lenawee County	GA	62	2384
Allegan	Padgham Field	GA	43	485
Alma	Gratiot Community	GA	46	2670
Ann Arbor	Ann Arbor Municipal	GA	250	2700
Atlanta	Atlanta Municipal	GA	12	350
Bad Axe	Huron County Memorial	GA	28	4014
Battle Creek	W K Kellogg Regional	GA	99	7531
Bay City	James Clements Municipal	GA	83	3930
Bellaire	Antrim County	GA	37	1230
Benton Harbor	Ross Field	GA	65	4838
Big Rapids	Roben-Hood	GA	15	1430
Cadillac	Wexford County	GA	60	1758
Caro	Caro Municipal	GA	38	3320
Caseville	New	GA	20	3340
Charlevoix	Charlevoix Municipal	GA	29	2630
Charlotte	Fitch H Beach	GA	49	2925
Cheboygan	Cheboygan City-County	GA	30	878
Clare	Clare Municipal	GA	23	2800
Coldwater	Branch County Memorial	GA	64	1336
Detroit	Grosse Ile Municipal	RL	178	3889
Detroit	New	RL	100	9227
Detroit	New	RL	50	5390
Detroit	New	GA	5	2380

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Detroit	Willow Run	RL	235	22740
Dowagiac	Cass County Memorial	GA	41	1205
Drummond Island	Drummond Island	GA	13	1950
East Tawas	Iosco County	GA	33	1575
Ewart	Ewart Municipal	GA	10	3098
Frankfort	Frankfort City Co	GA	10	1568
Fremont	Fremont Municipal	GA	48	2290
Gaylord	Otsego County	GA	56	3903
Gladwin	Gladwin	GA	20	3129
Grand Haven	Grand Haven Memorial Airpark	GA	75	2114
Grand Rapids	New	GA	0	800
Grandledge	Abrams Municipal	GA	80	2200
Grayling	Grayling Army Airfield	GA	15	2175
Greenville	Greenville Municipal	GA	69	1561
Harbor Springs	Harbor Springs	GA	16	1550
Hastings	Hastings Municipal	GA	51	1927
Hillsdale	Hillsdale Municipal	GA	36	8261
Holland	Tulip City	GA	47	6930
Holt / Mason	Mason Jewett Field	GA	77	3733
Houghton Lake	Roscommon County	GA	24	1167
Howell	Livingston County	RL	85	8911
Ionia	Ionia County	GA	30	1900
Jackson	Jackson County Reynolds Field	GA	125	7217
Lakeview	Lakeview	GA	39	410
Lambertville	Toledo Suburban	GA	84	2710
Lapeer	Dupont-Lapeer	GA	54	2790
Ludington	Mason County	GA	39	1555
Mackinac Island	Mackinac Island	GA	18	380
Manistique	Schoolcraft County	GA	8	755
Marine City	Marine City	GA	28	1745
Marlette	Marlette Township	GA	28	2074
Marshall	Brooks Field	GA	50	2163
Menominee	Menominee-Marinette Twin County	GA	31	3900
Midland	Jack Barstow	GA	88	1436
Monroe	Monroe Custer	RL	75	10350
Mount Clemens	New	RL	100	9227
Mount Pleasant	Mount Pleasant Municipal	GA	43	670
Napoleon / Brooklyn	New	GA	31	1570
Newberry	Luce County Hale	GA	9	4076
Niles	Jerry Tyler Memorial	GA	54	1228
Ontonagon	Ontonagon County	GA	9	675
Owosso	Owosso Community	GA	47	1784
Plymouth	Mettetal	RL	160	11404
Pontiac	Oakland-Pontiac	RL	800	30381
Port Huron	St Clair County International	RL	88	8464
Rogers City	Presque Isle County	GA	10	1100
Romeo	Romeo	RL	95	7360
Saginaw	Harry W Browne	GA	78	3450
Sandusky	Sandusky City	GA	12	2335
South Haven	South Haven Municipal	GA	45	2003
Sparta	Sparta	GA	60	2996
St Ignace	Mackinac County	GA	18	1473
St James	Beaver Island	GA	2	750
Sturgis	Kirsch Municipal	GA	38	3194
Three Rivers	Three Rivers Municipal-Dr Haines	GA	40	1056
Troy	Troy-Oakland	RL	180	5376
Utica	Berz-Macomb	RL	129	15729
Wayland	Wayland Municipal	GA	12	3636

Appendix A

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
West Branch	West Branch Community	GA	24	600
White Cloud	White Cloud	GA	23	1160

MINNESOTA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Bemidji	Bemidji-Beltrami County	PR	32	45	5096
Brainerd	Brainerd-Crow Wing County	PR	21	49	11756
Duluth	Duluth International	PR	152	36	50192
Fairmont	Fairmont Municipal	CM	3	18	4130
Fergus Falls	Fergus Falls Muni-Einar Mickelson Fld.	CM	3	33	3066
Grand Rapids	Grand Rapids-Itasca Cty	CM	9	67	5169
Hibbing	Chisholm-Hibbing	PR	21	34	5709
International Falls	Falls International	PR	32	31	4589
Mankato	Mankato Municipal	CM	5	68	10027
Minneapolis	Minneapolis-St Paul Intl	PR	13133	50	258660
Rochester	Rochester Municipal	PR	195	47	10819
Thief River Falls	Thief River Falls Regional	CM	9	39	6617
Worthington	Worthington Municipal	CM	3	23	6498

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Aitkin	Aitkin Municipal	GA	25	1690
Albert Lea	Albert Lea Municipal	GA	27	5919
Alexandria	Chandler Field	GA	38	4720
Austin	Austin Municipal	GA	54	2751
Baudette	Baudette International	GA	7	2353
Benson	Benson Municipal	GA	14	2342
Blue Earth	Blue Earth Municipal	GA	17	1588
Caledonia	Houston County	GA	12	3851
Cambridge	Cambridge Municipal	GA	50	2550
Canby	Canby Municipal	GA	11	2202
Cloquet	Cloquet-Carlton County	GA	21	2546
Crookston	Crookston Muni Kirkwood Fld	GA	28	822
Detroit Lakes	Detroit Lakes	GA	32	3158
Dodge Center	Dodge Center	GA	24	3371
Duluth	Sky Harbor	GA	28	620
Elbow Lake	Elbow Lake Municipal	GA	9	3010
Ely	Ely Municipal	GA	28	2271
Eveleth	Eveleth-Virginia Municipal	GA	27	5016
Faribault	Faribault Municipal	GA	61	3288
Fosston	Fosston Municipal	GA	6	2056
Grand Marais / Cook	Devils Track Municipal	GA	17	893
Hallock	Hallock Municipal	GA	8	2103
Hawley	Hawley Municipal	GA	28	3452
Hector	Hector Municipal	GA	15	3297
Hutchinson	Hutchinson Municipal	GA	32	5445
Jackson	Jackson Municipal	GA	10	2145
Lakeville	Airlake Airport	RL	149	11742
Le Sueur	Le Sueur Municipal	GA	18	1905
Litchfield	Litchfield Municipal	GA	16	3056
Little Falls	Little Falls-Morrison County	GA	32	2401

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Long Prairie	Todd Field	GA	7	1720
Longville	Longville Municipal	GA	3	2496
Madison	Madison-Lac Qui Parle County Airport	GA	7	2205
Marshall	Marshall Muni-Ryan Field	GA	39	6085
Minneapolis	Anoka County-Blaine (Janes Field)	RL	414	6482
Minneapolis	Crystal	RL	338	3706
Minneapolis	Flying Cloud	RL	520	17138
Minneapolis	New Heliport	GA	10	500
Minneapolis	New	RL	40	4692
Montevideo	Montevideo-Chippewa County Airport	GA	24	2899
Monticello	New	GA	52	8518
Mora	Mora Municipal	GA	19	1471
Morris	Morris Municipal.	GA	14	1285
New Ulm	New Ulm Municipal	GA	16	3028
Orr	Orr Regional	GA	12	240
Ortonville	Ortonville Municipal	GA	4	1395
Owatonna	Owatonna Municipal	GA	32	8173
Park Rapids	Park Rapids Municipal	GA	28	4855
Pipestone	Pipestone Municipal	GA	17	4199
Preston	Fillmore County	GA	10	2689
Princeton	Princeton Municipal	GA	26	1908
Red Wing	Red Wing Municipal	GA	47	1590
Redwood Falls	Redwood Falls Municipal	GA	16	3420
Roseau	Roseau Municipal	GA	21	1027
Rush City	Rush City Municipal	GA	25	3364
Silver Bay	Silver Bay Municipal	GA	6	1711
South St Paul	South St. Paul Muni-Richard E. Fleming Fl	RL	260	1752
Springfield	Springfield Municipal	GA	7	2469
St Cloud	St Cloud Municipal	GA	82	2639
St James	St James Municipal	GA	11	1995
St Paul	Lake Elmo	RL	180	4484
St Paul	St Paul Downtown Holman Field	RL	250	10526
Stanton	New	GA	17	4243
Tracy	Tracy Municipal	GA	9	2942
Two Harbors	Richard B. Helgeson	GA	15	908
Wadena	New	GA	19	2701
Warroad	Warroad Intl Swede Carlson Field	GA	14	911
Waseca	Waseca Municipal	GA	22	2671
Wheaton	Wheaton Municipal	GA	8	1955
Willmar	Willmar Municipal	GA	44	11289
Windom	Windom Municipal	GA	12	4282
Winona	Winona Muni-Max Conrad Fl	GA	51	3241
Winsted	New	GA	18	4171

MISSISSIPPI

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Columbus-Starkville-	Golden Triangle Regional	PR	58	22	5369
Greenville	Greenville Municipal	PR	26	36	444
Gulfport-Biloxi	Gulfport-Biloxi Regional	PR	110	49	2386
Hattiesburg-Laurel	Hattiesburg-Laurel Regional	PR	17	15	563
Jackson	Jackson International	PR	536	39	5548
Meridian	Key Field	PR	38	50	1605
Tupelo	Tupelo Municipal-C D Lemons Field	PR	27	72	2116

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Aberdeen-Amory	Monroe County	GA	22	0
Ackerman	Ackerman-Choctaw County	GA	3	0
Batesville	Panola County	GA	13	0
Bay Springs	Thigpen Field	GA	3	0
Bay St Louis	Stennis International	GA	33	206
Belmont/ Red Bay	New	GA	0	50
Belmont	Tishomingo County	GA	3	524
Belzoni	Belzoni Municipal	GA	8	0
Booneville	Booneville-Baldwyn	GA	10	0
Brookhaven	Brookhaven-Lincoln County	GA	22	0
Bruce	Calhoun County	GA	3	250
Carthage	Carthage-Leake County	GA	5	0
Charleston	Charleston Municipal	GA	4	0
Clarksdale	Fletcher Field	GA	38	314
Cleveland	Cleveland Municipal	GA	31	169
Collins	New	GA	16	0
Columbia	Columbia-Marion County	GA	34	584
Columbus	Columbus-Lowndes County	GA	34	300
Corinth	Roscoe Turner Field	GA	25	108
Crystal Springs	Copiah County	GA	10	0
Drew	Ruleville-Drew	GA	12	0
Eupora	Eupora Municipal	GA	2	186
Forest	G. V. Montgomery	GA	9	0
Fulton	Fulton-Itawamba County	GA	2	0
Gloster	Crosby Municipal	GA	1	0
Greenwood	Greenwood-Leflore	GA	73	2222
Grenada	Grenada Municipal	GA	26	0
Hattiesburg	Bobby L. Chain Municipal	GA	45	608
Hollandale	Hollandale Municipal	GA	13	160
Holly Springs	Holly Springs-Marshall County	GA	18	421
Horn Lake	New	GA	1	0
Houston	Houston Municipal	GA	13	318
Indianola	Indianola Municipal	GA	16	32
Iuka	Iuka Airport	GA	1	3914
Jackson	Hawkins Field	GA	133	0
Kosciusko	Kosciusko-Attala County	GA	11	0

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Laurel	Hesler-Noble Field	GA	54	25
Lexington	C A Moore	GA	1	0
Louisville	Louisville-Winston County	GA	9	185
Lumberton	I H Bass Jr Memorial	GA	2	0
Macon	Macon Municipal	GA	16	1099
Madison	Bruce Campbell Field	GA	73	0
Magee	Magee Municipal	GA	9	194
Mc Comb	Mc Comb-Pike County	GA	25	95
Natchez	Natchez-Adams County, Hardy Anders Field	GA	48	1650
New Albany	New Albany-Union County	GA	14	0
Newton	James H. Easom Field	GA	11	148
Ocean Springs	Gulfpark	GA	0	0
Okolona	Okolona Mun.-Richard M. Stovall Field	GA	8	217
Olive Branch	Olive Branch	RL	157	1086
Oxford	University-Oxford	GA	24	141
Pascagoula	Trent Lott International	GA	82	1606
Philadelphia	Philadelphia Municipal	GA	9	1657
Picayune	New	GA	27	0
Pontotoc	Pontotoc County	GA	18	0
Poplarville	Poplarville-Pearl River County	GA	9	168
Prentiss	Prentiss-Jefferson Davis County	GA	10	0
Quitman	Clarke County	GA	11	0
Raymond	John Bell Williams	GA	42	841
Richton	Richton-Perry County	GA	1	737
Ripley	Ripley Airport	GA	6	2770
Rolling Fork	New	GA	28	1364
Starkville	George M Bryan Field	GA	34	419
Tunica	Tunica Municipal	GA	11	0
Tylertown	Paul Pittman Memorial	GA	8	0
Vicksburg	Vicksburg Municipal	GA	40	50
Water Valley	Water Valley Airport	GA	2	603
Waynesboro	Waynesboro Municipal	GA	9	3284
West Point	Mc Charen Field	GA	12	0
Wiggins	Dean Griffin Memorial	GA	7	129
Winona	Winona-Montgomery County	GA	7	294
Yazoo City	Yazoo County	GA	24	0

MISSOURI

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Cape Girardeau	Cape Girardeau Municipal	PR	11	72	5223
Columbia	Columbia Regional	PR	61	53	1578
Fort Leonard Wood	Forney AAF	CM	6	5	0
Joplin	Joplin Municipal	PR	47	61	2685
Kansas City	Kansas City International	PR	5907	0	44671
Springfield	Springfield Regional	PR	303	99	13874
St Louis	Lambert-St Louis International	PR	12673	64	363675

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Albany	Albany Municipal	GA	5	651
Aurora	Aurora Memorial Municipal	GA	31	1235
Ava	Bill Martin Memorial	GA	7	723
Bethany	New	GA	10	0
Bolivar	New	GA	12	0
Boonville	Jesse Viertel Memorial	GA	41	80
Bowling Green	Bowling Green Municipal	GA	13	467
Branson	New	GA	40	540
Brookfield	Gen Pershing Memorial	GA	12	342
Butler	Butler Memorial	GA	28	115
Cabool	Cabool Memorial	GA	10	1903
California - Tipton	New	GA	10	1240
Camdenton	Camdenton Memorial	GA	19	90
Cameron	Cameron Memorial	GA	41	1454
Canton	New	GA	15	0
Carrollton	Carrollton Memorial	GA	9	203
Carthage	Myers Park Meml Municipal	GA	45	1989
Caruthersville	Caruthersville Memorial	GA	14	255
Cassville	Cassville Municipal	GA	17	327
Charleston	Mississippi County	GA	4	196
Chillicothe	Chillicothe Municipal	GA	30	1165
Clinton	Clinton Memorial	GA	31	1217
Cuba	Cuba Municipal	GA	15	657
Dexter	Dexter Municipal	GA	51	435
Doniphan	Doniphan Municipal	GA	3	22
Eldon	Eldon Model Airpark	GA	23	476
Farmington	Farmington Regional	GA	32	1269
Fredericktown	Municipal	GA	27	404
Fulton	Elton Hensley Memorial	GA	22	11
Hannibal	Hannibal Municipal	GA	31	962
Harrisonville	Lawrence Smith Memorial	GA	22	2134
Hermann	Hermann Municipal	GA	5	61
Higginsville	Higginsville Industrial Municipal	GA	11	1289
Hillsboro / Jefferso	New	RL	50	3500
Houston	Houston Memorial	GA	26	205
Independence	New	RL	77	3884

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Jefferson City	Jefferson City Memorial	GA	59	386
Kaiser / Lake Ozark	Lee C Fine Memorial	GA	3	1514
Kansas City	Downtown	RL	353	7080
Kansas City	Richards-Gebaur	RL	67	16900
Kennett	Kennett Memorial	GA	31	622
Kirksville	Municipal	GA	30	1018
Lake Winnebago	Lake Winnebago Municipal	GA	33	395
Lamar	Lamar Municipal	GA	16	403
Lebanon	Floyd W Jones Lebanon	GA	30	388
Lee's Summit	Mccomas-Lee's Summit Municipal	RL	172	3480
Liberty	New	RL	110	1760
Linn	New	GA	23	0
Lutesville - Marble	Twin City Airport	GA	8	452
Macon	Macon-Fower Memorial	GA	12	714
Malden	Malden Municipal	GA	68	450
Mansfield	Mansfield Municipal	GA	6	0
Marshall	Marshall Memorial Municipal	GA	21	611
Marshfield	New	GA	31	0
Maryville	Maryville Memorial	GA	22	205
Memphis	Memphis Memorial	GA	15	503
Mexico	Memorial	GA	10	375
Moberly	Omar N Bradley	GA	27	527
Monett	Monett Municipal	GA	4	345
Mound City	New	GA	10	1510
Mountain Grove	Mountain Grove Memorial	GA	15	46
Mountain View	Mountain View	GA	12	254
Neosho	Neosho Memorial	GA	30	1996
Nevada	Nevada Municipal	GA	16	491
New Madrid	County Memorial	GA	13	29
Osage Beach	Linn Creek-Grand Glaize Memorial	GA	17	120
Ozark	New	GA	36	1710
Perryville	Perryville Municipal	GA	23	205
Piedmont	Piedmont Municipal	GA	10	192
Plattsburg	New	GA	10	1260
Poplar Bluff	Poplar Bluff Municipal	GA	34	546
Potosi	Washington County	GA	2	307
Richland	Richland Municipal	GA	3	0
Richmond	New	GA	30	2861
Rolla / Vichy	Rolla National	GA	71	371
Salem	Salem Memorial	GA	21	1227
Salisbury	Salisbury Municipal	GA	4	0
Sedalia	Sedalia Memorial	GA	35	839
Sikeston	Sikeston Memorial Municipal	GA	27	650
St Charles	St Charles County Smart Field	RL	110	1275
St Charles	St Charles	RL	130	1300
St Clair	St Clair Memorial	GA	28	796
St Joseph	Rosecrans Memorial	GA	75	386
St Louis	Creve Coeur	RL	250	0
St Louis	New	RL	200	5140
St Louis	New	GA	0	3200
St Louis	Spirit Of St Louis	RL	420	5120
Steele	Steele Municipal	GA	10	164
Stockton	Stockton Municipal	GA	12	1848
Sullivan	Sullivan Regional	GA	30	1138
Tarkio	Gould Peterson Municipal	GA	16	562
Trenton	Trenton Municipal	GA	13	196
Versailles	New	GA	27	50
Warrensburg	Skyhaven	GA	75	1726

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Warsaw	New	GA	24	1826
Washington	Washington Memorial	GA	59	583
Wentzville	New	RL	70	1110
West Plains	West Plains Municipal	GA	34	1082
Willow Springs	Willow Springs Memorial	GA	11	752

MONTANA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Billings	Billings-Logan International	PR	328	270	13584
Bozeman	Gallatin Field	PR	163	100	5565
Butte	Bert Mooney	PR	41	34	2333
Great Falls	Great Falls International	PR	145	88	4590
Helena	Helena Regional	PR	66	120	3352
Kalispell	Glacier Park International	PR	123	42	4427
Missoula	Missoula County	PR	165	142	10677
Sidney	Sidney-Richland Municipal	CM	9	64	455
West Yellowstone	Yellowstone	CM	3	2	1043

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Anaconda	Anaconda	GA	11	225
Ashland	New	GA	7	0
Baker	Baker Municipal	GA	29	764
Benchmark	Benchmark	GA	0	375
Big Sandy	Big Sandy	GA	18	480
Big Timber	Big Timber	GA	10	525
Broadus	Broadus	GA	5	1016
Chester	Liberty County	GA	16	300
Chinook	Chinook Municipal	GA	28	0
Choteau	Choteau	GA	10	431
Circle	Circle Town County	GA	11	390
Colstrip	Colstrip	GA	10	250
Columbus	Columbus	GA	16	1097
Conrad	Conrad	GA	13	0
Culbertson	Big Sky Field	GA	7	783
Cut Bank	Cut Bank Municipal	GA	22	730
Deer Lodge	Deer Lodge-City-County	GA	8	251
Dillon	Dillon	GA	17	250
Drummond	Drummond	GA	4	0
Ekalaka	Ekalaka	GA	4	0
Ennis	Ennis-Big Sky	GA	26	309
Eureka	Eureka	GA	8	190
Forsyth	Tillitt Field	GA	26	555
Fort Benton	New	GA	18	1011
Gardiner	Gardiner	GA	15	1272
Glasgow	Glasgow International	GA	33	1251
Glendive	Dawson Community	GA	30	683
Hamilton	Ravalli County	GA	65	155
Hardin	New	GA	14	979
Harlem	Harlem	GA	10	0
Harlowton	Wheatland Cty Arpt At Harlowton	GA	8	635
Havre	Havre City-County	GA	38	1005
Jordan	Jordan	GA	3	0
Laurel	Laurel Municipal	GA	56	2331

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Lewistown	Lewistown Muni	GA	23	412
Libby	Libby	GA	17	111
Lincoln	Lincoln	GA	4	902
Livingston	Mission Field	GA	22	916
Lodge Grass	New	GA	6	0
Malta	Malta	GA	10	1200
Miles City	Frank Wiley Field	GA	23	764
Philipsburg	Riddick Field	GA	7	515
Plains	Plains	GA	7	674
Plentywood	Sher-Wood	GA	23	0
Polson	Polson	GA	28	400
Poplar	Poplar	GA	10	401
Red Lodge	New	GA	10	1460
Ronan	Ronan	GA	7	0
Roundup	Roundup	GA	10	0
Scobey	Scobey	GA	9	0
Shelby	Shelby	GA	17	680
Stanford	Stanford	GA	10	324
Stevensville	Stevensville	GA	40	206
Superior	Mineral County	GA	5	60
Terry	Terry	GA	3	215
Thompson Falls	Thompson Falls	GA	6	310
Three Forks	Three Forks	GA	18	566
Townsend	Townsend	GA	6	0
Turner	Turner	GA	11	0
Twin Bridges	Twin Bridges	GA	5	0
Valier	Valier	GA	10	50
White Sulphur Spring	White Sulphur Springs	GA	9	0
Winifred	Winifred	GA	3	924
Wolf Point	Wolf Point International	GA	11	470

NEBRASKA

**FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS
PRIMARY AND COMMERCIAL SERVICE AIRPORTS**

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Grand Island	Hall County Regional	PR	22	42	1942
Kearney	Kearney Municipal	CM	3	44	1595
Lincoln	Lincoln Municipal	PR	323	303	9040
Norfolk	Karl Stefan Memorial	CM	3	51	372
North Platte	Lee Bird Field	PR	18	64	2853
Omaha	Eppley Airfield	PR	1385	162	27214
Scottsbluff	Scotts Bluff County	PR	28	52	1775

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Ainsworth	Ainsworth Municipal	GA	8	423
Albion	Albion Municipal	GA	10	0
Alliance	Alliance Municipal	GA	33	1564
Alma	Municipal	GA	10	10
Atkinson	Stuart-Atkinson Municipal	GA	12	826
Auburn	Auburn Municipal	GA	8	370
Aurora	Aurora Municipal	GA	27	790
Bassett	Bassett Municipal	GA	10	610
Beatrice	Beatrice Municipal	GA	32	2180
Benkelman	New	GA	10	1255
Blair	New	RL	65	1459
Broken Bow	Broken Bow Municipal	GA	23	935
Burwell	Cram Field	GA	7	943
Cambridge	Cambridge Municipal	GA	19	1130
Central City	Central City Municipal	GA	17	481
Chadron	Chadron Municipal	GA	11	164
Chappell	Chappell Municipal	GA	11	626
Columbus	Columbus Municipal	GA	46	2310
Cozad	Cozad Municipal	GA	15	987
Creighton	Creighton Municipal	GA	10	920
Crete	Crete Municipal	GA	32	64
Curtis	Curtis Municipal	GA	12	1070
David City	David City Municipal	GA	8	1080
Fairbury	Fairbury Municipal	GA	11	934
Fairmont	Fairmont State	GA	17	200
Falls City	Brenner Field	GA	14	1195
Fremont	Fremont Municipal	GA	38	2402
Gordon	Gordon Municipal	GA	9	1295
Grant	Grant Municipal	GA	0	1170
Greeley - Spalding	New	GA	10	965
Hartington	Hartington Municipal	GA	11	1651
Harvard	Harvard State	GA	12	910
Hastings	Hastings Municipal	GA	50	922
Hebron	Hebron Municipal	GA	12	1110
Holdrege	Brewster Field	GA	21	923
Hyannis	New	GA	10	1085

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Imperial	Imperial Municipal	GA	22	1512
Kimball	Kimball Municipal	GA	0	2078
Lexington	Lexington (Jim Kelly Field)	GA	26	1303
Loup City	Loup City Municipal	GA	8	665
Mc Cook	Mc Cook Municipal	GA	47	305
Minden	Pioneer Village Field	GA	19	1095
Nebraska City	New	GA	10	328
Neligh	Antelope County	GA	15	415
O'Neill	O'Neill Municipal	GA	18	1250
Ogallala	Searle Field	GA	13	1000
Omaha	Millard	RL	195	1155
Ord	Evelyn Sharp Field	GA	15	940
Oshkosh	Garden County	GA	6	175
Pawnee City	Pawnee City Municipal	GA	6	1365
Pender	Pender Municipal	GA	12	825
Plattsmouth	Plattsmouth Municipal	RL	35	1474
Red Cloud	Red Cloud Municipal	GA	10	835
Rushville	Modisett	GA	10	905
Sargent	Sargent Municipal	GA	12	390
Scribner	Scribner State	GA	13	175
Seward	Seward Municipal	GA	15	695
Sidney	Sidney Municipal	GA	17	1679
South Sioux City	New	GA	15	2755
Superior	Superior Municipal	GA	13	885
Tecumseh	Tecumseh Municipal	GA	8	273
Tekamah	Municipal	GA	20	200
Theftord	New	GA	10	1035
Valentine	Miller Field	GA	13	920
Wahoo	Wahoo Municipal	GA	50	775
Waverly	New	GA	15	1662
Wayne	Wayne Municipal	GA	17	120
West Point	New	GA	10	1270
York	Municipal	GA	12	3165

NEVADA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Elko	Elko Muni-J. C. Harris Field	PR	120	50	3999
Las Vegas	Mc Carran Intl	PR	12364	280	51579
Las Vegas	North Las Vegas Air Terminal	CR	5	275	16222
Reno	Reno Cannon Intl	PR	1752	311	90145

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Amargosa Valley	New			
Austin	Austin	GA	10	0
Battle Mountain	Lander County	GA	5	500
Beatty	Beatty	GA	13	2650
Boulder City	Boulder City	GA	4	490
Carson City	Carson	GA	121	850
Ely	Ely Arpt/ Yelland Fid /	RL	180	4900
Eureka	Eureka	GA	13	0
Fallon	Fallon Municipal	GA	4	246
Gabbs	Gabbs	GA	50	269
Goldfield	New	GA	10	0
Hawthorne	Hawthorne Municipal	GA	12	49467
Jackpot	Jackpot	GA	5	754
Jean	Jean	GA	1	667
Las Vegas	Las Vegas-Henderson Sky Harbor	GA	14	4444
Lovelock	Derby Field	RL	170	21111
Mesquite	Mesquite	GA	6	33
Minden	Douglas County	GA	20	0
Overton	Echo Bay	GA	150	19133
Overton	Perkins Field	GA	0	0
Owyhee	Owyhee	GA	17	3500
Pahrump	New	GA	5	238
Panaca	Lincoln County	GA	10	703
Reno	Reno/ Stead	GA	3	111
Tonopah	Tonopah	RL	210	13834
Wells	Harriet Field	GA	23	1111
Winnemucca	Winnemucca Muni	GA	9	43
Yerington	Yerington Muni	GA	40	4922
		GA	28	360

NEW HAMPSHIRE

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Keene	Dillant-Hopkins	CM	6	47	2910
Lebanon	Lebanon Municipal	PR	55	84	2777
Manchester	Manchester Municipal	PR	335	228	67615

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Berlin	Berlin Municipal	GA	22	1674
Claremont	Claremont Municipal	GA	45	433
Concord	Concord Municipal	GA	72	1822
Jaffrey	Jaffrey Municipal Silver Ranch	GA	45	315
Laconia	Laconia Municipal	GA	95	1250
Nashua	Boire Field	RL	423	4266
Newport	Parlin Field	GA	19	100
Plymouth	Plymouth Municipal	GA	6	72
Portsmouth	Pease International Tradeport	GA	5	2000
Rochester	Skyhaven	GA	54	694
Whitefield	Mt Washington Regional	GA	18	400

NEW JERSEY

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Atlantic City	Atlantic City Muni/ Bader Field	PR	67	44	0
Atlantic City	Atlantic City	PR	318	31	5200
Belmar / Farmingdale	Allaire Arpt	CR	3	224	0
Newark	Newark Intl Arpt	PR	14476	16	1070548
Teterboro	Teterboro Arpt	CR	6	394	5035
Trenton	Mercer Cty Arpt	PR	25	141	835
Wildwood	Cape May Cty Arpt	CM	5	70	6688
Wrightstown	Mc Guire Afb	CM	5	0	0

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Berlin	Camden-Burlington Cty	GA	0	0
Blairstown	Blairstown	GA	147	0
Bridgeport	New	RL	0	0
Caldwell	Essex Cty Arpt	RL	365	950
Camden	New	GA	2	0
Cross Keys	Cross Keys	RL	122	0
Hammonton	Hammonton Muni Arpt	GA	65	1309
Lincoln Park	Lincoln Park	RL	191	2521
Linden	Linden Arpt	RL	174	0
Lumberton	Flying W	GA	151	0
Manahawkin	Manahawkin	GA	15	0
Manahawkin	New	GA	0	0
Manville	Kupper	GA	234	0
Millville	Millville Muni Arpt	GA	95	2451
Morristown	Morristown Muni Arpt	RL	339	7389
Mount Holly	South Jersey Reg Arpt	RL	38	12366
Ocean City	Ocean City Muni Arpt	GA	19	67
Old Bridge	Old Bridge	GA	25	0
Pittstown	Sky Manor Arpt	GA	52	0
Princeton	Princeton	RL	107	0
Readington	Solberg-Hunterdon	GA	82	0
Robbinsville	Trenton-Robbinsville	RL	129	0
Somerville	Somerset Arpt	RL	162	0
Sussex	Sussex Arpt	GA	128	0
Toms River	Robert J. Miller Airpark	GA	89	3233
Trenton	New	GA	2	0
Vincentown	Red Lion	GA	101	0
West Milford	Greenwood Lake	GA	45	0
Woodbine	Woodbine Muni Arpt	GA	31	44

NEW MEXICO

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Alamogordo	Alamogordo-White Sands Regional	CM	3	100	3223
Albuquerque	Albuquerque International	PR	2850	280	123506
Carlsbad	Cavern City Air Terminal	CM	9	52	1299
Clovis	Clovis Municipal	CM	8	125	4405
Farmington	Four Corners Regional	PR	74	160	4835
Gallup	Gallup Municipal	CM	7	63	7175
Hobbs	Lea County (Hobbs)	CM	4	121	3933
Las Cruces	Las Cruces International	CM	8	200	5556
Los Alamos	Los Alamos	PR	30	53	1264
Roswell	Roswell Industrial Air Center	PR	24	30	7775
Santa Fe	Santa Fe County Municipal	CM	7	85	6900
Silver City	Silver City-Grant County	CM	3	20	1258

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Albuquerque	Double Eagle I I	RL	222	10597
Albuquerque	New	GA	0	825
Albuquerque	New	RL	20	1150
Angel Fire	Angel Fire	GA	15	2714
Artesia	Artesia Municipal	GA	35	4322
Aztec	New	GA	24	1192
Belen	Alexander Municipal	GA	60	1069
Carrizozo	Carrizozo Municipal	GA	19	2608
Clayton	Clayton Municipal Airpark	GA	14	1446
Conchas Dam	Conchas State Park	GA	1	550
Crownpoint	Crownpoint	GA	3	373
Cuba	New	GA	3	738
Deming	Deming Municipal	GA	35	2046
Dulce	Dulce	GA	5	4170
Espanola	Espanola Municipal	GA	16	1044
Fort Sumner	Fort Sumner Municipal	GA	8	949
Grants	Grants-Milan Municipal	GA	21	1582
Jal	Lea County-Jal	GA	19	1615
Las Vegas	Las Vegas Municipal	GA	17	2848
Lordsburg	Lordsburg Municipal	GA	6	2394
Lovington	Lea County-Lovington	GA	40	1433
Moriarty	Moriarty	GA	12	675
Portales	Portales Municipal	GA	34	172
Questa	Questa Municipal N R 2	GA	0	1144
Raton	Raton Municipal/ Crews Field	GA	16	1806
Reserve	Reserve	GA	4	157
Ruidoso	Sierra Blanca Regional	GA	40	3653
Santa Rosa	Santa Rosa Municipal	GA	7	2580
Santa Teresa	Santa Teresa	RL	108	9180
Shiprock	Shiprock Airstrip	GA	1	1586
Socorro	Socorro Municipal	GA	25	56

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Springer	Springer Municipal	GA	2	287
Taos	Taos Municipal	GA	22	14222
Truth Or Consequence	Truth Or Consequences Municipal	GA	30	3507
Tucumcari	Tucumcari Municipal	GA	36	297
Zuni	Black Rock	GA	1	2020

NEW YORK

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Albany	Albany Cty	PR	1323	96	26743
Binghamton	Link Field-Broome Cty	PR	245	42	7803
Buffalo	Greater Buffalo Intl	PR	2271	53	21760
East Hampton	East Hampton	PR	16	129	3371
Elmira	Chemung Cty Arpt	PR	153	55	2838
Farmingdale	Republic Arpt	CR	6	515	15994
Islip	Long Island-Mac Arthur	PR	773	401	7833
Ithaca	Tompkins Cty Arpt	PR	137	53	5627
Jamestown	Chautauqua Cty	PR	42	52	8880
Massena	Richards Field	CM	6	17	4055
New York	E 34th St Heliport	PR	32	0	0
New York	John F Kennedy Intl	PR	24270	1	309528
New York	La Guardia	PR	14737	8	126986
New York	W 30th St Midtown	PR	21	5	7750
Newburgh	Stewart	PR	406	62	52532
Niagara Falls	Niagara Falls Intl	PR	17	83	2965
Ogdensburg	Ogdensburg Intl	CM	7	7	2637
Oneonta	Oneonta Muni	CM	7	18	1475
Plattsburgh	Clinton Cty	PR	17	66	329
Poughkeepsie	Dutchess Cty	PR	41	196	1874
Rochester	Rochester Monroe Cty	PR	1633	163	0
Saranac Lake	Adirondack	CM	6	26	2445
Syracuse	Syracuse-Hancock Intl	PR	2733	103	285018
Utica	Oneida Cty	PR	40	69	2878
Watertown	Watertown Intl	CM	6	38	630
White Plains	Westchester Cty	PR	528	434	12959

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Akron	Akron Airport	RL	69	2255
Angola	Angola Airways	RL	35	1555
Batavia	Genesee Cty	RL	48	3680
Bayport	Bayport Aerodrome	GA	79	333
Brockport	Ledgesdale Airpark	RL	38	2676
Buffalo	Buffalo Airfield	RL	37	1211
Cambridge	Chapin Field	GA	20	0
Canandaiga	Canandaiga	RL	45	4175
Canastota	New	GA	36	0
Cicero	Michael Field	RL	36	3113
Corning	Corning-Painted Post	GA	31	0
Cortland	Cortland Cty-Chase Field	GA	36	1016
Dansville	Dansville Muni	GA	28	3546
Duanesburg	Duanesburg	GA	26	0
Dunkirk	Dunkirk Muni Arpt	GA	55	3280
Durhamville	Kamp Airport	RL	45	2911
East Aurora	New	RL	120	0

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Ellenville	Allenville	GA	0	200
Endicott	Tri-Cities Arpt	GA	66	477
Fishers Island	Elizabeth Field	GA	2	2906
Fort Plain	Nellis	GA	10	0
Freehold	Freehold	GA	30	0
Freehold	Freehold	RL	20	0
Fulton	Oswego Cty	RL	48	2390
Glens Falls	Warren Cty	GA	69	576
Granville	Granville	GA	35	0
Hamilton	Elysha Payne	GA	20	0
Hornell	Hornell Muni	GA	24	4912
Hudson	Columbia Cty	GA	51	1783
Johnstown	Fulton Cty	GA	10	585
Kingston	New	GA	37	0
Lake Placid	Lake Placid	GA	19	2313
Lancaster	Lancaster	RL	55	120
Lexington	Maben	GA	18	0
Lockport	Lockport Aviation	GA	47	0
Lockport	North Buffalo Suburban	RL	85	0
Malone	Malone-Dufort	GA	15	2024
Mechanicville	Burrello-Mechanicville	GA	15	0
Montgomery	Orange Cty Arpt	GA	130	7150
Monticeilo	Sullivan Cty Intl	GA	40	2589
New Bremen	Duflo	GA	20	0
New York	Downtown Manhattan/ Wall St.	GA	0	0
New York	Flushing	RL	12	0
New York	New York Skyports Inc	GA	0	0
Norwich	Pan Am Metroport E 60th St	GA	0	0
Old Forge	Lt Warren Eaton	GA	16	946
Olean	Old Forge	GA	8	0
Orchard Park	Olean Muni	GA	17	1200
Penn Yan	Orchard Park	GA	49	0
Perry	Penn Yan	GA	43	688
Piseco	Perry-Warsaw	GA	21	2706
Potsdam	Piseco Municipal	GA	7	556
Pulaski	Potsdam Muni-Damon Field	GA	14	222
Red Hook	Pulaski	GA	21	0
Saratoga Springs	Sky Park	GA	32	0
Schenectady	Saratoga Cty	GA	62	222
Schroon Lake	Schenectady Cty	RL	137	5122
Seneca Falls	Schroon Lake	GA	4	1717
Sharon	Seneca Falls	GA	30	2065
Shirley	Sharon	GA	9	0
Sidney	Brookhaven	RL	209	4275
Skaneateles	Sidney Muni	GA	21	1375
South Bethlehem	Skaneateles Aero Drome	RL	40	0
Stormville	South Albany	GA	37	0
Ticonderoga	Stormville	RL	131	0
Troy	Ticonderoga Municipal	GA	10	896
Utica	Rensselaer Air Park	GA	35	0
Wallkill	Riverside	RL	50	0
Warwick	Wallkill	GA	58	0
Watkins Glen	Watwick Municipal	GA	60	2040
Weedsport	New	GA	15	0
Wellsville	Whitford	GA	37	9637
Westhampton Beach	Wellsville Muni Tarantine Field	GA	21	2085
Williamson	Suffolk Cty	GA	52	3574
	New	GA	32	0

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Williamson	Williamson/ Sodus	RL	40	0
Wurtsboro	Wurtsboro-Sullivan Cty	GA	33	0

NORTH CAROLINA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Asheville	Asheville Regional	PR	238	100	11418
Charlotte	Charlotte/ Douglas International	PR	7210	220	99193
Fayetteville	Fayetteville Municipal/ Grannis Field	PR	229	50	9483
Greensboro	Piedmont Triad International	PR	1045	210	37153
Greenville	Pitt-Greenville	PR	74	54	6172
Hickory	Hickory Municipal	PR	21	75	2147
Jacksonville	Albert J Ellis	PR	128	26	4572
Kinston	Kinston Regional Jetport At Stallin	PR	109	69	4244
New Bern	Craven County Regional	PR	101	74	21324
Raleigh	Raleigh-Durham International	PR	6763	305	142696
Rocky Mount	Rocky Mount Wilson	PR	26	60	1409
Southern Pines	Moore County	PR	10	56	7310
Wilmington	New Hanover County	PR	236	100	28428
Winston-Salem	Smith Reynolds	PR	23	140	4609

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Ahoskie	Tri-County	GA	20	252
Albemarle	Stanly County	GA	43	2603
Andrews	Andrews-Murphy	GA	41	558
Asheboro	Asheboro Municipal	GA	32	2530
Beaufort	Michael J. Smith	GA	53	894
Burlington	Burlington Municipal	GA	85	2289
Clinton	Sampson County	GA	20	521
Concord	New	RL	44	12360
Edenton	Edenton Municipal	GA	16	470
Elizabeth City	Elizabeth City C G Air Station/ Municipal	GA	20	927
Elizabethtown	Elizabethtown Municipal	GA	27	770
Elkin	Elkin Municipal	GA	17	545
Englehard	Hyde County	GA	5	1261
Erwin	Harnett County	GA	46	465
Franklin	Macon County	GA	51	2149
Gastonia	New	RL	106	14645
Goldsboro	Goldsboro-Wayne Municipal	GA	45	1874
Hatteras	Billy Mitchell	GA	3	0
Hillsborough	New	GA	0	0
Kenansville	P B Raiford	GA	12	944
Kill Devil Hills	First Flight	GA	0	270
Lexington	New	GA	30	2140
Lincolnton	Lincoln County	RL	62	1014
Louisburg	New	RL	43	0
Lumberton	Lumberton Municipal	GA	51	2094
Manteo	Dare County Regional	GA	31	672
Marion	New	GA	29	0
Maxton	Laurinburg-Maxton	GA	50	1393
Monroe	Monroe	RL	77	2252

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Morganton	Morganton-Lenoir	GA	40	999
Mount Airy	Mount Airy-Surry County	GA	31	808
Mt Olive	Mt Olive Municipal	GA	15	1528
North Wilkesboro	Wilkes County	GA	45	1552
Ocracoke	Ocracoke Island	GA	2	601
Oxford	Henderson-Oxford	GA	35	1354
Plymouth	Plymouth Municipal	GA	13	444
Raeford	Raeford Municipal	GA	42	936
Reidsville	Rockingham County Nc Shiloh	GA	15	1481
Roanoke Rapids	Halifax County	GA	34	913
Rockingham	Rockingham-Hamlet	GA	32	264
Roxboro	Person County	RL	35	3692
Rutherfordton	Rutherford County	GA	34	1495
Salisbury	Rowan County	GA	79	2042
Sanford	New	RL	66	0
Shelby	Shelby Municipal	GA	36	1488
Siler City	Siler City Municipal	GA	13	1360
Smithfield	Johnston County	RL	60	5168
Southport	Brunswick County	GA	21	4098
Spruce Pine	Avery County/ Morrison Field	GA	12	537
Star	Montgomery County	GA	10	744
Statesville	Statesville Municipal	GA	49	1734
Sylva	Jackson County	GA	27	4354
Tarboro	Edgecombe County	GA	14	825
Wadesboro	Anson County	GA	22	1394
Wallace	Henderson Field	GA	17	319
Washington	Warren Field	GA	40	1472
West Jefferson	Ashe County	GA	14	1481
Whiteville	Columbus County Municipal	GA	24	1109
Williamston	Martin County	GA	14	1434

NORTH DAKOTA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS
PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Bismarck	Bismarck Municipal	PR	167	108	27042
Devils Lake	Devils Lake Municipal-Knoke Field	CM	5	39	4896
Fargo	Hector International	PR	226	115	32874
Grand Forks	Grand Forks International	PR	111	160	27492
Jamestown	Jamestown Municipal	CM	5	42	2972
Minot	Minot International	PR	89	75	10082
Williston	Sloulin Field International	CM	7	78	2299

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Beach	Beach	GA	8	1104
Bottineau	Bottineau Municipal	GA	12	436
Bowman	Bowman Municipal	GA	23	798
Cando	Cando Municipal	GA	11	1429
Carrington	Carrington Municipal	GA	8	931
Casselton	Casselton Regional	GA	52	1660
Cavalier	Cavalier Municipal	GA	17	1542
Cooperstown	Cooperstown Municipal	GA	20	269
Crosby	Crosby Municipal	GA	20	485
Dickinson	Dickinson Municipal	GA	30	3614
Dunseith	International Peace Garden	GA	0	504
Ellendale	Ellendale Municipal	GA	10	87
Fort Yates	Standing Rock	GA	3	353
Garrison	Garrison Municipal	GA	10	492
Grafton	Grafton Municipal	GA	22	1315
Gwinner	Gwinner Municipal	GA	12	1058
Harvey	Harvey Municipal	GA	14	420
Hettinger	Hettinger Municipal	GA	23	1196
Hillsboro	Hillsboro Municipal	GA	6	1125
Kenmare	Kenmare Municipal	GA	13	1114
Kindred	Hamry Field	GA	23	2112
La Moure	La Moure Rott Muni	GA	10	1992
Langdon	Robertson Field	GA	10	274
Linton	Linton Municipal	GA	6	1062
Mandan	Mandan Municipal	GA	30	691
Mercer County	Mercer County Regional	GA	0	1596
Mohall	Mohall Municipal	GA	5	1188
Mott	Mott Municipal	GA	6	599
Northwood	Vince	GA	13	2179
Oakes	Oakes Municipal	GA	15	638
Park River	Park River Municipal	GA	19	72
Parshall	Hankins Field	GA	15	375
Pembina	Pembina Municipal	GA	15	646
Rolla	Rolla Municipal	GA	14	818
Rugby	Rugby Municipal	GA	14	464
Stanley	Stanley Municipal	GA	11	1154

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Tioga	Tioga Municipal	GA	18	128
Valley City	Barnes County Municipal	GA	35	620
Wahpeton	Harry Stern	GA	32	1738
Walhalla	Walhalla Municipal	GA	9	1987
Washburn	Washburn Municipal	GA	14	2021
Watford City	Watford City Municipal	GA	12	956

OHIO

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Akron	Akron-Canton Regional	PR	400	130	22820
Cincinnati	Cincinnati Muni-Lunken Field	CM	4	243	13194
Cleveland	Burke Lakefront	CR	8	71	14606
Cleveland	Cleveland-Hopkins Intl	PR	5273	123	252429
Columbus	Port Columbus Intl	PR	2243	170	98314
Dayton	James M Cox Dayton Intl	PR	2200	100	91000
Port Clinton	Carl R. Keller Field	PR	11	28	4617
Put In Bay	Put In Bay	CM	3	5	3665
Toledo	Toledo Express	PR	330	75	72804
Youngstown	Youngstown Municipal	PR	55	53	4167

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Akron	Akron Fulton Intl.	RL	74	12608
Alliance	Berlin Airpark	GA	27	1955
Ashland	Ashland County	GA	34	4592
Ashtabula	Ashtabula County	GA	36	2160
Athens / Albany	Ohio University	GA	46	5647
Barnesville	Barnesville-Bradfield	GA	12	935
Batavia	Clermont County	GA	54	1261
Bellefontaine	Bellefontaine Municipal	GA	20	2530
Bluffton	Bluffton	GA	40	3779
Bowling Green	Wood County	GA	51	2593
Bryan	Williams County	GA	19	2185
Bucyrus	Port Bucyrus-Crawford County	GA	37	1525
Cadiz	Harrison County	GA	40	1644
Cambridge	Cambridge Municipal	GA	21	654
Carrollton	Carroll County-Tolson Field	GA	30	1685
Celina	Lakefield	GA	32	1784
Chesapeake	Lawrence County Airpark, Inc	GA	36	1945
Chillicothe	Ross County	GA	40	3529
Cincinnati	Cincinnati-Blue Ash	RL	138	2772
Cincinnati	New	GA	10	1947
Circleville	Pickaway County Memorial	GA	33	2668
Cleveland	Cuyahoga County	RL	140	3265
Columbus	Bolton Field	RL	94	9124
Columbus	New	GA	5	1048
Columbus	Ohio State University	RL	217	4645
Columbus	Rickenbacker International Airport	RL	30	48042
Columbus	South Columbus	GA	37	2935
Coshocton	Richard Downing	GA	28	2956
Dayton	Dayton Gen Airport South	RL	90	2299
Dayton	Greene County	GA	68	1290
Defiance	Defiance Memorial	GA	20	1065
Delaware	Delaware Municipal	GA	65	4961
East Liverpool	Columbiana County	GA	36	502

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Findlay	Findlay	GA	33	8850
Fostoria	Fostoria Metropolitan	GA	22	485
Fremont	New	GA	40	66364
Galion	Galion Municipal	GA	37	2970
Gallipolis	Gallia-Meigs Regional	GA	32	1371
Georgetown	Brown County	GA	23	1500
Hamilton	Hamilton-Fairfield	RL	115	15132
Harrison	Cincinnati West	GA	43	2549
Hillsboro	Highland County	GA	25	800
Jackson	James A Rhodes	GA	20	2883
Kelleys Island	Kelleys Island Land Field	GA	5	2493
Kent	Andrew W Paton-Kent State Univ	GA	60	3030
Kenton	Hardin County	GA	23	3244
Lancaster	Fairfield County	GA	36	1429
Lebanon	Lebanon-Warren County	GA	39	2145
Lima	Allen County	GA	43	6870
Logan	New	GA	15	2947
London	Madison County	GA	50	2230
Lorain / Elyria	Lorain Co Regional	RL	115	9299
Mansfield	Mansfield Lahm Municipal	GA	69	8541
Marietta	New	GA	15	6415
Marion	Marion Municipal	GA	45	2288
Marysville	Union County	GA	47	1696
Mc Arthur	Vinton County	GA	15	1698
Medina	Freedom Field	RL	62	2495
Middle Bass Island	New	GA	3	380
Middlefield	Geauga County	GA	90	3698
Middletown	Hook Field Municipal	GA	53	4459
Millersburg	Holmes County	GA	20	2115
Mount Vernon	Knox County	GA	43	5287
Mt. Gilead	Morrow County	GA	25	2505
Napoleon	Henry County	GA	25	1201
New Lexington	Perry County	GA	15	680
New Philadelphia	Harry Clever Field	GA	47	800
Newark	Newark-Heath	GA	51	4530
North Bass Island	North Bass Island	GA	0	1939
Norwalk	Huron County	GA	16	3700
Ottawa	Putnam County	GA	29	1555
Oxford	Miami University	GA	10	1755
Phillipsburg	Phillipsburg	GA	55	2805
Portsmouth	Greater Portsmouth Regional	GA	31	2980
Ravenna	Portage County	GA	79	7462
Sidney	Sidney Municipal	GA	25	5719
Springfield	Springfield-Beckley Municipal	GA	91	5925
Steubenville	Jefferson County Airpark	GA	27	2665
Tiffin	Seneca County	GA	56	3191
Toledo	Toledo Metcalf	RL	60	9307
Upper Sandusky	Wyandot County	GA	12	2050
Urbana	Grimes Field	GA	21	5956
Van Wert	Van Wert County	GA	25	2436
Versailles	Darke County	GA	30	2305
Wadsworth	Wadsworth Municipal	GA	131	3753
Wapakoneta	Neil Armstrong	GA	45	1937
Warren	Warren	GA	38	5960
Washington Court Hou	Fayette County	GA	17	1615
Wauseon	Fulton County	GA	34	2257
Waverly	Pike County	GA	10	1950
West Union	Alexander Salamon	GA	22	1870

Appendix A

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Willard	New	GA	14	3145
Willoughby	Lost Nation	RL	153	8098
Wilmington	Clinton Field	GA	28	735
Woodsfield	Monroe County	GA	14	1565
Wooster	Wayne County	GA	37	4109
Zanesville	Zanesville Municipal	GA	47	3571

OKLAHOMA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Enid	Enid Woodring Municipal	CM	7	90	3336
Lawton	Lawton Municipal	PR	75	75	4764
Oklahoma City	Will Rogers World Airport	PR	2051	200	83988
Tulsa	Tulsa International	PR	2075	250	149148

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Ada	Ada Municipal	GA	40	2117
Altus	Altus Municipal	GA	55	2115
Alva	Alva Municipal	GA	32	1738
Antlers	Antlers Municipal	GA	12	83
Ardmore	Ardmore Municipal	GA	25	6031
Ardmore	Downtown Ardmore	GA	77	600
Arnett	New	GA	9	560
Atoka	New	GA	16	2876
Bartlesville	Frank Phillips	GA	55	2094
Beaver	Beaver Municipal	GA	15	0
Blackwell-Tonkawa	Blackwell-Tonkawa Municipal	GA	20	775
Boise City	Boise City	GA	32	1511
Bristow	Jones Memorial	GA	7	0
Broken Arrow	New East Side Reliever	RL	30	212
Broken Bow	Broken Bow	GA	15	215
Buffalo	Buffalo Municipal	GA	9	447
Canadian	Arrowhead	GA	0	431
Carnegie	Carnegie Municipal	GA	7	295
Chandler	Chandler Municipal	GA	15	7092
Cherokee	Cherokee Municipal	GA	12	62
Cheyenne	Mignon Laird Municipal	GA	18	675
Chickasha	Chickasha Municipal	GA	40	624
Claremore	New	GA	0	1876
Cleveland	Cleveland Municipal	GA	13	913
Clinton	Clinton Municipal	GA	12	0
Clinton	Clinton-Sherman	GA	38	111
Cordell	Cordell Municipal	GA	8	18
Cushing	Cushing Municipal	GA	23	1137
Duncan	Halliburton Field	GA	35	1644
Durant	Eaker Field	GA	38	3131
Edmond	New	GA	20	1510
El Reno	El Reno Municipal	GA	22	1820
Elk City	Elk City Municipal	GA	30	248
Eufaula	Eufaula Municipal	GA	25	715
Eufaula	Fountainhead Lodge Airpark	GA	0	441
Fairview	Fairview Municipal	GA	20	1301
Frederick	Frederick Municipal	GA	22	190
Gage	Gage	GA	5	546
Grandfield	Grandfield Municipal	GA	10	116

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Grove	Grove Municipal	GA	29	2331
Guthrie	Guthrie Municipal	GA	72	942
Guymon	Guymon Municipal	GA	90	1132
Healdton	Healdton Municipal	GA	4	162
Hennessey	New	GA	5	718
Henryetta	Henryetta Municipal	GA	16	20
Hinton	New	GA	0	2181
Hobart	Hobart Municipal	GA	18	165
Holdenville	Holdenville Municipal	GA	18	2540
Hollis	Hollis Municipal	GA	10	381
Hominy	Hominy	GA	10	1353
Hugo	Stan Stamper Municipal	GA	12	18
Idabel	Idabel	GA	33	238
Idabel	New-Mccurtain County	GA	0	2940
Ketchum	New	GA	20	790
Kingfisher	New	GA	5	716
Kingston	Lake Texoma State Park	GA	0	185
Lindsay	Lindsay Municipal	GA	10	454
Lone Wolf	New	GA	8	735
Madill	Madill Municipal	GA	14	285
Mangum	Mangum Municipal	GA	7	291
Marietta	New	GA	8	713
Mc Alester	Mc Alester Regional	GA	45	846
Medford	Medford Municipal	GA	24	242
Miami	Miami Municipal	GA	40	618
Mooreland	Mooreland Municipal	GA	19	692
Muskogee	Davis Field	GA	57	1311
Norman	David J. Perry	GA	67	824
Norman	Univ Of Okla Westheimer Airpark	RL	231	7560
Nowata	Nowata Municipal	GA	13	0
Okeene	Okeene Municipal	GA	7	706
Okemah	Okemah Flying Field	GA	5	299
Oklahoma City	Clarence E. Page Municipal	RL	132	4544
Oklahoma City	New-Expressway	GA	0	111
Oklahoma City	New	GA	4	512
Oklahoma City	Wiley Post	RL	520	16314
Okmulgee	Okmulgee Municipal	RL	27	2564
Overbrook	Lake Murray State Park	GA	0	0
Pauls Valley	Pauls Valley Municipal	GA	51	3102
Pawnee	New	GA	0	69
Perry	Perry Municipal	GA	31	159
Ponca City	Ponca City Municipal	GA	87	0
Poteau	Robert S Kerr	GA	26	1150
Prague	Prague Municipal	GA	12	56
Pryor	Mid-America Industrial	GA	27	5150
Purcell	New	GA	19	875
Sallisaw	Sallisaw Municipal	GA	30	497
Sand Springs	William R Pogue Municipal	RL	64	3046
Sayre	Sayre Municipal	GA	11	112
Seminole	Seminole Municipal	GA	36	1445
Shawnee	Shawnee Municipal	GA	42	2937
Skiatook	Skiatook Municipal	GA	40	1987
Stigler	Stigler Municipal	GA	7	63
Stillwater	Stillwater Municipal	GA	120	3581
Stilwell	New	GA	10	714
Stroud	Stroud Municipal	GA	8	768
Sulphur	Sulphur Municipal	GA	10	94
Tahlequah	Tahlequah Municipal	GA	36	1547

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Talihina	Talihina Municipal	GA	4	26
Thomas	Thomas Municipal	GA	12	966
Tishomingo	Tishomingo Airpark	GA	5	355
Tulsa	Downtown Airpark	GA	58	1588
Tulsa	New	GA	4	522
Tulsa	Richard Lloyd Jones, Jr.	RL	540	13087
Vinita	Vinita Municipal	GA	30	5231
Wagoner	New	GA	10	869
Wagoner	Sequoyah Park	GA	0	886
Walters	Walters Municipal	GA	7	15
Watonga	Watonga	GA	17	2650
Waynoka	Waynoka Municipal	GA	7	198
Weatherford	Thomas P Stafford	GA	37	2665
Wilburton	Wilburton Municipal	GA	5	53
Woodward	West Woodward	GA	35	641

OREGON

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Aurora	Aurora State	CM	5	233	619
Eugene	Mahlon Sweet Field	PR	321	190	38293
Klamath Falls	Klamath Falls International	PR	35	119	6219
Medford	Medford-Jackson County	PR	198	161	5064
North Bend	North Bend Municipal	PR	13	61	1889
Pendleton	Pendleton Municipal	PR	18	48	1011
Portland	Portland International	PR	3970	118	57993
Redmond	Roberts Field	PR	87	54	7775
Salem	Mc Nary Field	CM	5	189	2132

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Albany	Albany Municipal	GA	40	429
Ashland	Ashland Municipal-Sumner Parker Field	GA	86	603
Astoria	Port Of Astoria	GA	43	4199
Baker	Baker Municipal	GA	32	208
Bandon	Bandon State	GA	31	1426
Bend	Bend Municipal	GA	91	190
Boardman	Boardman	GA	1	183
Brookings	Brookings State	GA	28	1678
Burns	Burns Municipal	GA	13	0
Cave Junction	Illinois Valley	GA	15	1580
Chiloquin	Chiloquin State	GA	4	1311
Christmas Valley	Christmas Valley	GA	10	575
Condon	Condon State-Pauling Field	GA	8	70
Corvallis	Corvallis Municipal	GA	84	2968
Cottage Grove	Cottage Grove State	GA	34	835
Creswell	Creswell Municipal-Hobby Field	RL	64	446
Florence	Florence Municipal	GA	18	252
Gleneden Beach	Siletz Bay State	GA	13	31
Gold Beach	Gold Beach Municipal	GA	12	1135
Grants Pass	Josephine County/ Grants Pass	GA	111	3041
Harrisburg	New	GA	29	0
Hermiston	Hermiston Municipal	GA	32	231
Hillsboro	Portland-Hillsboro	RL	395	3926
Hood River	Hood River	GA	77	362
Independence	Independence State	GA	76	301
John Day	John Day State-Ogilvie Field	GA	25	1052
Joseph	Joseph State	GA	0	518
La Grande	La Grande Municipal	GA	36	910
Lakeview	Lake County-Lakeview	GA	22	228
Lebanon	Lebanon State	GA	44	0
Lexington	Lexington	GA	17	203
Madras	Madras City-County	GA	30	40
Mc Dermitt	Mc Dermitt State	GA	3	0
Mc Minnville	Mc Minnville Municipal	GA	82	3172

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Mulino	Portland-Mulino	RL	60	180
Myrtle Creek	Myrtle Creek Municipal	GA	11	112
Newberg	Sportsman Airpark	GA	55	0
Newport	Newport Municipal	GA	21	1745
Ontario	Ontario Municipal	GA	76	525
Portland	Portland Heliport	GA	0	0
Prineville	Prineville	GA	26	496
Roseburg	Roseburg Regional	GA	79	1059
Scappoose	Scappoose Industrial Airpark	GA	53	1522
Seaside	Seaside State	GA	6	0
Sisters	New	GA	10	0
Sunriver	Sunriver	GA	29	50
The Dalles	The Dalles Municipal	GA	30	919
Tillamook	Tillamook	GA	32	97
Troutdale	Portland-Troutdale	RL	165	561
Wasco	Wasco State	GA	14	0

PENNSYLVANIA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Allentown	Allentown-Bethlehem-Easton	PR	542	98	46619
Altoona	Altoona-Blair Cty	PR	40	51	15108
Bradford	Bradford Reg	PR	20	19	3031
Du Bois	Du Bois-Jefferson Cty	PR	29	32	4799
Erie	Erie Intl	PR	224	55	27430
Franklin	Chess-Lamberton	PR	14	39	3592
Harrisburg	Harrisburg Intl	PR	845	65	85943
Johnstown	Johnstown-Cambria Cty	PR	39	86	11430
Lancaster	Lancaster	PR	67	159	17798
Latrobe	Westmoreland Cty	PR	25	121	6601
Philadelphia	Philadelphia Intl	PR	10353	73	471257
Pittsburgh	Greater Pittsburgh Intl	PR	10899	65	235750
Reading	Reading Muni, Gen Carl A Spaatz Fld	PR	95	180	14882
State College	University Park	PR	102	30	21675
Wilkes-Barre / Scrant	Wilkes-Barre/ Scranton Intl	PR	296	55	61264
Williamsport	Williamsport-Lycoming Cty	PR	72	54	1194

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Allentown	Allentown Queen City Muni	GA	68	2271
Ambler	Wings Field	GA	87	2907
Beaver Falls	Beaver County	RL	140	3872
Bedford	New	GA	26	4602
Bloomsburg	Bloomsburg Municipal	GA	27	4066
Butler	Butler Cty	RL	91	3593
Carlisle	Carlisle	GA	34	0
Chambersburg	Chambersburg Municipal	GA	28	1150
Clarion	Clarion Cty	GA	24	810
Clearfield	Clearfield-Lawrence	GA	28	1875
Coatesville	Chester Cty-G O Carlson	RL	121	7452
Collegeville	Perkiomen Valley	GA	98	0
Connellsville	Connellsville	GA	85	52146
Corry	Lawrence	GA	8	1892
Doylestown	Doylestown	RL	134	4655
East Stroudsburg	Stroudsburg-Pocono	GA	40	0
Ebensburg	Ebensburg	GA	23	1713
Gettysburg	Doersom	GA	24	0
Greenville	Greenville Muni	GA	25	1761
Grove City	Grove City	GA	20	1150
Harrisburg	Capital City	RL	124	4395
Hazleton	Hazleton Muni	GA	43	27960
Honesdale	Cherry Ridge	GA	35	400
Indiana	Indiana Cty/ Jimmy Stewart	GA	46	8979
Jeanette	Pittsburgh Boquet Airpark	GA	47	0
Langhorne	Buehl Field	GA	52	600
Leechburg	New	GA	16	0

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Lehighton	Carbon Cty-Jake Arner Memorial	GA	20	2230
Lock Haven	Wm T Piper Memorial	GA	39	1688
Meadville	Port Meadville	GA	30	410
Monongahela	Rostraver	RL	78	1061
Mount Pleasant	Mount Pleasant-Scottdale	GA	23	0
Mount Pocono	Pocono Mountains Municipal	GA	21	5420
New Castle	New Castle Municipal	GA	40	3964
Perkasie	Penn Ridge	RL	75	2400
Philadelphia	Downtown Heliport	GA	2	2600
Philadelphia	Northeast Philadelphia	RL	239	3450
Philipsburg	Mid-State	GA	2	8225
Pittsburgh	Allegheny Cty	RL	242	5257
Pittsburgh	Downtown Heliport	GA	2	925
Pittsburgh	New	RL	78	0
Pottstown	Pottstown Limerick	RL	69	3329
Pottstown	Pottstown Municipal	GA	72	1430
Pottsville	Schuylkill Cty/ Joe Zerbey	GA	39	1625
Punxsutawney	Punxsutawney Municipal	GA	11	590
Quakertown	Quakertown	GA	39	955
Reedsville	Mifflin Cty	GA	32	1822
Selinsgrove	Penn Valley	GA	42	2450
Shamokin	Northumberland Cty	GA	26	2692
Somerset	Somerset County	GA	48	2453
St Marys	St Marys Municipal	GA	16	3165
Tarentum	West Penn	GA	46	500
Titusville	Titusville	GA	7	266
Toughkenamon	The New Garden Flying Field	RL	103	6320
Towanda	New	GA	43	5045
Washington	Washington County	RL	130	4110
Waynesburg	Greene Cty	GA	31	495
Wellsboro	Grand Canyon State	GA	20	3873
West Chester	Brandywine	RL	65	1260
Wilkes-Barre	Wilkes-Barre Wyoming Valley	GA	69	875
York	York	GA	83	0
Zelienople	Zelienople	GA	40	3104

RHODE ISLAND

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Block Island	Block Island State	PR	27	19	2983
Providence	Theodore F Green State	PR	1286	108	127546
Westerly	Westerly State	PR	17	57	4133

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Newport	Newport State	GA	55	8733
North Kingstown	Quonset State	RL	57	8589
Pawtucket	North Central State	RL	145	3019

SOUTH CAROLINA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Charleston	Charleston AFB/ International	PR	757	96	19284
Columbia	Columbia Metropolitan	PR	800	119	40493
Florence	Florence Regional	PR	63	55	1901
Greer	Greenville-Spartanburg	PR	664	35	63675
Hilton Head Island	Hilton Head	PR	68	60	7800
Myrtle Beach	Myrtle Beach Air Force Base	PR	418	0	28886

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Aiken	Aiken Municipal	GA	40	2226
Allendale	Allendale County	GA	10	84
Anderson	Anderson County	GA	77	5438
Andrews	Andrews Municipal	GA	6	19
Bamberg	Bamberg County	GA	12	2189
Barnwell	Barnwell County	GA	15	50
Beaufort	Beaufort County	GA	35	763
Bennettsville	Marlboro County	GA	9	55
Bishopville	Lee County	GA	5	0
Camden	Woodward Field	GA	45	1685
Charleston	Charleston Executive	RL	59	1950
Cheraw	Cheraw Municipal	GA	23	508
Chester	Chester Municipal	GA	23	542
Clemson	Clemson-Oconee County	GA	33	4527
Columbia	Columbia Owens Downtown	RL	127	232
Conway	Conway-Horry County	GA	55	1371
Darlington	Darlington County	GA	12	1055
Dillon	New	GA	15	0
Gaffney	New	GA	22	0
Georgetown	Georgetown County	GA	24	3554
Greenville	Donaldson Center	GA	39	9612
Greenville	Greenville Downtown	GA	205	200
Greenwood	Greenwood County	GA	49	2103
Hartsville	Hartsville Municipal	GA	22	821
Kingstree	Williamsburg County	GA	15	1207
Lancaster	Lancaster County	GA	36	1555
Laurens	Laurens County	GA	25	36
Loris	Twin City	GA	9	177
Manning	Clarendon County	GA	20	952
Marion	Marion County	GA	11	56
Moncks Corner	Berkeley County	GA	24	718
Mt Pleasant	East Cooper	GA	34	6023
Newberry	Newberry Municipal	GA	28	3125
North Myrtle Beach	Grand Strand	GA	83	1172
Orangeburg	Orangeburg Municipal	GA	28	5506
Pageland	Pageland	GA	2	0
Pelion	Corporate	GA	20	1308

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Pickens	Pickens County	GA	40	148
Ridgeland	Ridgeland	GA	25	1569
Rock Hill	Rock Hill Municipal/ Bryant Field	RL	76	306
Saluda	Saluda County	GA	10	0
Spartanburg	Spartanburg Downtown Memorial	GA	100	1543
St George	St George Municipal	GA	7	0
Summerville	Dorchester County	GA	59	937
Sumter	Sumter Municipal	GA	37	40
Union	Union County, Troy Shelton Field	GA	13	3588
Walterboro	Walterboro Municipal	GA	16	254
Winnsboro	Fairfield County	GA	23	0

SOUTH DAKOTA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Aberdeen	Aberdeen Regional	PR	32	79	14956
Brookings	Brookings Municipal	CM	3	36	1088
Huron	Huron Regional	CM	3	32	5451
Mitchell	Mitchell Municipal	CM	3	33	2825
Pierre	Pierre Municipal	PR	22	51	4817
Rapid City	Rapid City Regional	PR	203	99	16020
Sioux Falls	Joe Foss Field	PR	298	103	9697
Watertown	Watertown Municipal	CM	9	45	4521
Yankton	Chan Gurney Municipal	CM	3	30	4309

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Belle Fourche	Belle Fourche Municipal	GA	21	0
Beresford	New	GA	10	1078
Bison	Bison Municipal	GA	13	759
Britton	Britton Municipal	GA	6	877
Buffalo	Harding County	GA	5	672
Canton	Canton Municipal	GA	9	585
Chamberlain	Chamberlain Municipal	GA	13	768
Clark	Clark County	GA	22	646
Custer	Custer County	GA	10	688
De Smet	Wilder	GA	7	702
Eagle Butte	Cheyenne Eagle Butte	GA	2	838
Edgemont	Edgemont Municipal	GA	6	678
Eureka	Eureka Municipal	GA	5	595
Faith	Faith Municipal	GA	14	356
Faulkton	Faulkton Municipal	GA	13	730
Flandreau	Flandreau Municipal	GA	5	802
Gettysburg	Gettysburg Municipal	GA	18	309
Gregory	Gregory Municipal	GA	10	717
Highmore	Highmore Municipal	GA	1	0
Hot Springs	Hot Springs Municipal	GA	13	497
Hoven	Hoven Municipal	GA	6	330
Howard	Howard Municipal	GA	7	600
Kadoka	Kadoka Municipal	GA	9	502
Lemmon	Lemmon Municipal	GA	8	378
Madison	Madison Municipal	GA	27	419
Martin	Martin Municipal	GA	10	152
Mc Laughlin	Mc Laughlin Municipal	GA	7	499
Milbank	Milbank Municipal	GA	14	341
Miller	Miller Municipal	GA	14	1032
Mission	Mission Sioux	GA	2	500
Mobridge	Mobridge Municipal	GA	15	368
Murdo	Murdo Municipal	GA	6	375
Onida	Onida Municipal	GA	17	829
Parkston	Parkston Municipal	GA	12	305

Appendix A

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Philip	Philip	GA	12	497
Pine Ridge	Pine Ridge	GA	2	949
Platte	Platte Municipal	GA	8	439
Presho	New	GA	6	483
Redfield	Redfield Municipal	GA	18	401
Sioux Falls	Great Planes	GA	80	640
Sisseton	Sisseton Municipal	GA	21	732
Spearfish	Black Hills-Clyde Ice Field	GA	52	1175
Springfield	Springfield Municipal	GA	11	669
Sturgis	Sturgis Municipal	GA	30	265
Vermillion	Harold Davidson Field	GA	30	674
Wagner	Wagner Municipal	GA	26	694
Wall	Wall Municipal	GA	11	599
Webster	Webster Municipal	GA	7	454
Wessington Springs	New	GA	10	1038
Winner	Bob Wiley Field	GA	13	80

TENNESSEE

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Bristol	Tri-City	PR	241	108	20467
Chattanooga	Lovell Field	PR	434	178	33675
Jackson	Mc Kellar-Sipes Regional	CM	9	100	3296
Knoxville	Mc Ghee-Tyson	PR	808	175	46308
Memphis	Memphis International	PR	7769	160	246260
Nashville	NASHville International	PR	5010	280	227591

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Arlington	Arlington Municipal	RL	44	988
Athens	Mcminn County	GA	32	1172
Bolivar	William L. Whitehurst Field	GA	75	949
Brownsville	New	GA	10	0
Camden	Benton County	GA	13	100
Carthage	New	GA	12	0
Centerville	Centerville Municipal	GA	25	588
Clarksville	Outlaw Field	GA	65	11
Cleveland	Hardwick Field	GA	51	408
Clifton	Hassel Field	GA	3	860
Columbia-Mt Pleasant	Maury County	GA	30	137
Cookeville	Putnam County	GA	38	100
Copperhill	Martin Campbell Field	GA	15	82
Covington	Covington Municipal	GA	45	100
Crossville	Crossville Memorial	GA	25	165
Dayton	Mark Anton	GA	10	151
Dickson	Dickson Municipal	GA	11	88
Dyersburg	Dyersburg Municipal	GA	24	75
Elizabethton	Elizabethton Municipal	GA	70	422
Fayetteville	Fayetteville Municipal	GA	27	1069
Franklin	New	GA	27	0
Gainesboro	Jackson County	GA	8	460
Gallatin	Sumner County Regional	RL	39	1352
Greeneville	Greeneville Municipal	GA	44	1738
Henderson	New	GA	10	814
Humboldt	Humboldt Municipal	GA	36	741
Huntingdon	Carroll County Airport	GA	17	617
Jacksboro	Campbell County	GA	29	927
Jamestown	Jamestown Municipal	GA	20	100
Jasper	Marion County-Brown Field	GA	25	592
Knoxville	Knoxville Downtown Island	RL	109	2448
Lafayette	Lafayette Municipal	GA	14	124
Lawrenceburg	Lawrenceburg Municipal	GA	15	576
Lebanon	Lebanon Municipal	RL	58	328
Lewisburg	Ellington Field	GA	23	23
Lexington	Franklin-Wilkins	GA	15	979
Linden	Perry County	GA	11	446

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Livingston	Livingston Municipal	GA	26	129
Madisonville	Monroe County	GA	25	0
Mc Minnville	Warren County Memorial	GA	26	938
Memphis	General Dewitt Spain	RL	100	1924
Millington	Charles W. Baker	RL	95	576
Morristown	Moore-Murrell	GA	67	0
Mountain City	Johnson County	GA	16	129
Murfreesboro	Murfreesboro Municipal	GA	85	231
Nashville	John C. Tune	RL	88	10495
Oak Ridge	New	GA	46	5817
Oneida	Scott Municipal	GA	12	0
Paris	Henry County	GA	20	436
Parsons	Scott Field	GA	22	100
Portland	Portland Municipal	GA	24	376
Pulaski	Abernathy Field	GA	12	100
Rockwood	Rockwood Municipal	GA	14	597
Rogersville	Hawkins County	GA	37	913
Savannah	Savannah Hardin County	GA	33	0
Selmer	Robert Sibley	GA	16	595
Sevierville	Gatlinburg-Pigeon Forge	GA	51	0
Sewanee	Franklin County	GA	15	758
Shelbyville	Bomar Field-Shelbyville Municipal	GA	22	481
Smithville	Smithville Municipal	GA	13	97
Smyrna	Smyrna	RL	252	9957
Sneedville	New	GA	10	0
Somerville	Fayette County	GA	15	12
Sparta	Sparta-White County	GA	50	1135
Springfield	Springfield-Robertson County	GA	45	684
Tazewell	New Tazewell Municipal	GA	8	729
Trenton	Gibson County	GA	28	276
Tulahoma	Tulahoma Municipal	GA	103	165
Union City	Everett-Stewart	GA	52	163
Waverly	Humphreys County	GA	20	11
Winchester	Winchester Municipal	GA	30	817

TEXAS

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Abilene	Abilene Regional	PR	87	256	3929
Amarillo	Amarillo International	PR	615	81	36487
Austin	New	PR	0	0	155390
Austin	Robert Mueller Municipal	PR	2974	346	13367
Beaumont/ Port Arthu	Jefferson County	PR	127	115	16840
College Station	Easterwood Field	PR	93	92	2981
Corpus Christi	Corpus Christi International	PR	781	160	28375
Dallas-Ft Worth	Dallas/ Fort Worth International	PR	23326	0	405050
Dallas	Dallas Love Field	PR	4862	871	15737
El Paso	El Paso International	PR	1631	415	37608
Fort Worth	Fort Worth Meacham Airport	CM	6	437	19567
Harlingen	Valley International	PR	819	182	21882
Houston	Ellington Field	PR	44	75	30438
Houston	Houston Intercontinental	PR	9500	120	53924
Houston	William P Hobby	PR	5767	680	31059
Killeen	Killeen Municipal	PR	97	150	1186
Laredo	Laredo International	PR	38	110	28463
Longview	Gregg County	PR	30	137	6098
Lubbock	Lubbock International	PR	803	274	26684
Mc Allen	Miller International	PR	202	240	10743
Midland	Midland International	PR	846	225	29059
San Angelo	Mathis Field	PR	129	256	7773
San Antonio	San Antonio International	PR	2926	732	27503
Tyler	Tyler Pounds Field	PR	47	182	3490
Victoria	Victoria Regional	PR	25	84	2219
Waco	Waco Regional Airport	PR	62	147	4618
Wichita Falls	Sheppard AFB/ Wichita Falls Municipal	PR	150	63	1923

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Abilene	New	GA	4	2143
Alice	Alice International	GA	34	1203
Alpine	Alpine Municipal	GA	23	0
Amarillo	Tradewind	RL	130	3000
Anahauac	Anahuac Municipal	GA	0	0
Andrews	Andrews County	GA	19	2061
Angleton	Brazoria County	RL	82	5833
Arlington	Arlington Municipal	RL	351	8076
Athens	Athens Jones Municipal	GA	14	0
Atlanta	Atlanta Municipal	GA	32	263
Austin	Austin Executive Airpark	RL	175	2000
Austin	New	GA	4	2143
Bay City	Bay City Municipal	GA	32	315
Baytown	New	RL	130	6189
Beaumont	Beaumont Municipal	GA	45	0
Beeville	Beeville Municipal	GA	22	1674

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Beeville	Chase Field Naval Air Station	GA	0	150
Big Spring	Big Spring McMahon-Wrinkle Airpark	GA	49	1641
Boerne	New	GA	0	1494
Bonham	Bonham Jones Field	GA	19	862
Borger	Borger-Hutchinson County	GA	19	2464
Bowie	Bowie Municipal	GA	11	346
Brady	Brady-Curtis Field	GA	1	1089
Breckenridge	Breckenridge Stephens County	GA	54	1544
Brenham	Brenham Municipal	GA	16	1081
Bridgeport	Bridgeport Municipal	GA	26	879
Brownfield	Terry County	GA	27	1028
Brownsville	Brownsville/ South Padre Island Intl	GA	97	5926
Brownwood	Brownwood Municipal	GA	20	1261
Bryan	Coulter Field	GA	40	0
Buffalo/ Centerville	New	GA	0	435
Burnet	Burnet Municipal/ Kate Craddock Field	GA	13	232
Caddo Mills	Caddo Mills Municipal	GA	18	762
Cameron	Cameron Municipal Airpark	GA	9	435
Canadian	Canadian-Hemphill County	GA	16	1643
Carrizo Springs	Carrizo Springs-Dimmit County	GA	3	1479
Carthage	Panola County-Sharp Field	GA	17	981
Castroville	Castroville Municipal	GA	35	2062
Center	Center Municipal	GA	28	1335
Clarksville	Clarksville-Red River County	GA	11	0
Cleburne	Cleburne Municipal	GA	99	567
Cleveland	Cleveland Municipal	GA	26	1305
Clifton	Clifton Municipal	GA	18	348
Coleman	Coleman Municipal	GA	32	363
Comanche	Comanche County-City	GA	18	714
Commerce	Commerce Municipal	GA	7	840
Conroe	Montgomery County	RL	105	3289
Corsicana	Corsicana Municipal	GA	42	216
Cotulla	Cotulla Municipal	GA	8	100
Crockett	Crockett-Houston County	GA	10	1880
Cuero	Cuero	GA	10	1381
Dalhart	Dalhart Municipal	GA	44	3531
Dallas	Addison	RL	750	5619
Dallas	Downtown Heliport	RL	4	8673
Dallas	Redbird	RL	380	1067
Decatur	Decatur Municipal	GA	17	1378
Del Rio	Del Rio International	GA	48	4744
Denton	Denton Municipal	RL	139	5580
Devine	Devine Municipal	GA	20	1083
Dimmitt	Dimmitt Municipal	GA	13	505
Dumas	Dumas Municipal	GA	11	1262
Eagle Lake	Eagle Lake Municipal	GA	0	0
Eagle Pass	Eagle Pass	GA	13	4709
Eastland	Eastland Municipal	GA	13	1117
Eden	Eden	GA	5	1551
Edinburg	The Edinburg International	GA	5	750
Edna/ Ganado	Jackson County	GA	26	480
El Paso	New	RL	80	2856
Ennis	Ennis Municipal	GA	22	1758
Fabens	Fabens Municipal	GA	0	0
Falfurrias	Brooks County	GA	3	1056
Floydada	Floydada Municipal	GA	20	923
Fort Stockton	Fort Stockton-Pecos County	GA	34	1392
Fort Worth	Alliance	RL	300	68670

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Fort Worth	Carswell Air Force Base	GA	0	0
Fort Worth	New	RL	9	1695
Fort Worth	Spinks	RL	331	4611
Fredericksburg	Gillespie County	GA	21	0
Gainesville	Gainesville Municipal	GA	23	1854
Galveston	Galveston-Scholes Field	GA	72	3735
Gatesville	Gatesville-City/ County	GA	11	191
Georgetown	Georgetown Municipal	GA	78	961
Gilmer	Gilmer-Upshur County	GA	24	687
Gladewater	Gladewater Municipal	GA	55	995
Graham	Graham Municipal	GA	30	311
Granbury	Granbury Municipal	GA	27	2904
Grand Prairie	Grand Prairie Municipal	RL	246	0
Greenville	Majors	GA	24	2226
Gruver	Gruver Municipal	GA	17	256
Hamilton	Hamilton Municipal	GA	18	1120
Haskell	Haskell Municipal	GA	11	704
Hearne	Hearn Municipal	GA	19	322
Hebbronville	Jim Hogg County	GA	2	0
Henderson	Rusk County	GA	25	430
Hereford	Hereford Municipal	GA	25	940
Hillsboro	New	GA	10	0
Hondo	Hondo Municipal	GA	14	818
Houston	Baytown	RL	138	0
Houston	Clover Field	RL	215	15400
Houston	David Wayne Hooks Memorial	RL	600	8115
Houston	Houston Southwest	GA	174	5043
Houston	Houston-Gulf	GA	74	50
Houston	Hull Field	RL	152	9886
Houston	Lakeside	GA	220	3434
Houston	New	RL	50	32444
Houston	New	RL	3	8000
Huntsville	Huntsville Municipal	GA	37	110
Jacksboro	Jacksboro Municipal	GA	8	486
Jacksonville	Jacksonville-Cherokee County	GA	32	996
Jasper	Jasper County-Bell Field	GA	16	1420
Junction	Kimble County	GA	14	1355
Kenedy	Kenedy-Karnes County	GA	15	770
Kerrville	Kerrville Municipal	GA	38	3083
Kingsville	Kleberg County	GA	21	1362
Kountze/ Silsbee	Kountz-Hawthorne Field	GA	10	875
La Porte	La Porte Municipal	RL	260	5617
Lagrange	Lagrange-Fayette Regional Air Center	GA	11	0
Lamesa	Lamesa Municipal	GA	21	1166
Lampasas	Lampasas	GA	17	318
Lancaster	Lancaster	RL	145	1909
League City (New Ga	New	GA	0	60
Levelland	Levelland Municipal	GA	32	943
Liberty	Liberty Municipal	GA	33	1741
Littlefield	Littlefield Municipal	GA	16	1430
Livingston	Livingston Municipal	GA	17	0
Llano	Llano Municipal	GA	13	455
Lockhart	Lockhart Municipal	GA	31	645
Lufkin	Lufkin-Angelina County	GA	44	374
Marfa	Marfa Municipal	GA	22	2255
Marshall	Marshall-Harrison County	GA	32	1077
Mc Gregor	Mc Gregor Municipal	GA	50	1394
Mc Kinney	Mc Kinney Municipal	RL	176	2076

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Memphis	Memphis Municipal	GA	9	824
Mesquite	Phil L. Hudson Field	RL	160	8962
Mexia	Limestone County	GA	11	396
Midland	Midland Airpark	GA	158	1917
Mineral Wells	Mineral Wells	GA	54	642
Monahans	Monahans-Roy Hurd Memorial	GA	40	346
Morton	Morton-Cochran County	GA	14	913
Mount Pleasant	Mount Pleasant Municipal	GA	30	1689
Mount Vernon	Franklin County	GA	15	633
Muleshoe	Muleshoe Municipal	GA	6	883
Nacogdoches	Nacogdoches-East Texas Regional	GA	39	1158
New Braunfels	New Braunfels Municipal	GA	96	2503
Odessa	Odessa-Schlemeyer Field	GA	322	2697
Olney	Olney Municipal	GA	11	876
Orange	Orange County	GA	33	1615
Ozona	Ozona Municipal	GA	34	1570
Palacios	Palacios Municipal	GA	3	663
Palestine	Palestine Municipal	GA	34	1668
Pampa	Perry Lefors Field	GA	50	1231
Paris	Cox Field	GA	37	3866
Pecos City	Pecos Municipal	GA	22	3367
Perryton	Perryton Ochiltree County	GA	26	1871
Plainview	Hale County	GA	98	1549
Pleasanton	Pleasanton Municipal	GA	12	2722
Port Isabel	Port Isabel-Cameron County	GA	21	324
Port Lavaca	Calhoun County	GA	11	477
Post	Post-Garza County Municipal	GA	12	1154
Quanah	Quanah Municipal	GA	29	324
Refugio	Refugio-Rooke Field	GA	14	22
Roanoke	Northwest Regional	GA	427	548
Robstown	Robstown-Nueces County	GA	28	389
Rockport	Aransas County	GA	46	0
Rockwall	Rockwall Municipal	GA	83	266
San Antonio	New	RL	50	11406
San Antonio	New	GA	4	2143
San Antonio	Stinson Municipal	RL	150	26756
San Marcos	San Marcos Municipal	RL	140	3046
Seminole	Gaines County	GA	24	726
Seymour	Cooper Municipal	GA	14	0
Sherman/ Denison	Sherman Denison-Grayson County	GA	68	2766
Sinton	Sinton-San Patricio County	GA	44	1107
Slaton	Slaton Municipal	GA	9	1714
Smithville	Smithville Municipal	GA	15	1390
Snyder	Winston Field	GA	41	369
Spearman	Spearman Municipal	GA	9	1235
Stamford	Arledge Field	GA	11	0
Stephenville	Clark Field Municipal	GA	23	581
Sulphur Springs	Sulphur Springs Municipal	GA	24	814
Sweetwater	Sweetwater-Avenger Field	GA	24	728
Taylor	Taylor Municipal	GA	21	76
Temple	Temple-Draughon Miller Municipal	GA	50	801
Terrell	Terrell Municipal	GA	62	994
Tulia	City Of Tulia/ Swisher County Municipal	GA	18	130
Uvalde	Garner Field	GA	35	2162
Van Horn	Van Horn-Culberson County	GA	5	2102
Vega	Vega-Oldham County	GA	7	620
Vernon	Vernon-Wilbarger County	GA	36	697
Waco	TSTC-Waco	GA	18	1628

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Waxahachie-Midlothia	New	GA	20	759
Weatherford	New	RL	300	1966
Wellington	Marian Airpark	GA	13	1783
Weslaco	Weslaco-Mid Valley	GA	53	2013
Wharton	Wharton Municipal	GA	33	1030
Wichita Falls	Kickapoo Downtown Airpark	GA	64	4278
Wink	Winkler County	GA	4	581
Winnsboro	Winnsboro Municipal	GA	15	674

UTAH

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Cedar City	Cedar City Municipal	CM	6	36	1391
Moab	Canyonlands Field	CM	5	16	4628
Salt Lake City	Salt Lake City International	PR	7601	500	112931
St George	St George Municipal	PR	14	85	3849
Vernal	Vernal	CM	3	30	2518

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Beaver	Beaver Municipal	GA	5	652
Blanding	Blanding Municipal	GA	16	1379
Brigham City	Brigham City	GA	36	1410
Bryce Canyon	Bryce Canyon	GA	1	297
Delta	Delta Municipal	GA	20	1144
Duchesne	Duchesne Municipal	GA	3	746
Escalante	Escalante Municipal	GA	5	0
Green River	Green River Municipal	GA	5	89
Halls Crossing	Cal Black Memorial Airport	GA	0	148
Hanksville	Hanksville	GA	2	44
Heber	Heber Valley	GA	50	1569
Kanab	Kanab Municipal	GA	11	715
Loa	Wayne Wonderland	GA	4	554
Logan	Logan-Cache	GA	60	1813
Manila	Manila	GA	1	228
Manti	Manti-Ephraim	GA	5	289
Mexican Hat	New	GA	5	66
Milford	Milford Municipal	GA	4	220
Monticello	Monticello Municipal	GA	9	630
Morgan	New	GA	20	66
Nephi	Nephi Municipal	GA	5	594
Ogden	Ogden Municipal	RL	220	3422
Panguitch	Panguitch Municipal	GA	2	792
Parowan	Parowan	GA	6	609
Price	Carbon County	GA	33	1368
Provo	Provo Municipal	GA	220	6092
Richfield	Richfield Municipal	GA	12	311
Roosevelt	Roosevelt Municipal	GA	12	40
Salt Lake City	New	GA	0	0
Salt Lake City	Salt Lake City Muni 2	RL	140	3278
Spanish Fork	Spanish Fork-Springville	GA	37	634
Tooele	Bolinder Field-Tooele Valley	RL	50	2957
Wendover	Wendover	GA	12	906

VERMONT

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Burlington	Burlington International	PR	653	105	28367
Rutland	Rutland State	CM	5	49	4172

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Barre - Montpelier	Edward F Knapp State	GA	43	4081
Bennington	William H. Morse State	GA	40	288
Fair Haven	Fair Haven	GA	10	575
Highgate	Franklin County State	GA	32	358
Lyndonville	Caledonia County State	GA	21	730
Middlebury	Middlebury State	GA	49	1575
Morrisville	Morrisville- Stowe State	GA	29	303
Newport	Newport State	GA	21	946
Post Mills	Post Mills	GA	28	0
Springfield	Springfield State/ Hartness	GA	33	1510

VIRGINIA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Arlington	Washington National	PR	9860	58	222474
Chantilly	Washington Dulles International	PR	5963	51	428055
Charlottesville	Charlottesville-Albermarle	PR	205	65	8701
Danville	Danville Regional	CM	9	47	3541
Hot Springs	Ingalls Field	CM	3	3	633
Lynchburg	Lynchburg Municipal-Preston Glenn Fld	PR	142	47	7069
Newport News	Newport News/ Williamsburg Intl	PR	186	107	9031
Norfolk	Norfolk International	PR	2082	120	88967
Richmond	Richmond International	PR	1180	123	93255
Roanoke	Roanoke Regional/ Woodrum Field	PR	481	124	22008
Staunton / Harrisonb	Shenandoah Valley Regional	PR	20	52	2103

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Abingdon	Virginia Highlands	GA	55	1840
Alexandria	New	GA	4	0
Blacksburg	Virginia Tech	GA	45	0
Brookneal	Brookneal/ Campbell County	GA	20	0
Chase City	Chase City Municipal	GA	10	50
Chesapeake	Chesapeake Municipal	RL	63	6929
Culpeper	Culpeper County/ T. I. Martin Field	GA	17	1182
Dublin	New River Valley	GA	26	2263
Emporia	Emporia Municipal	GA	13	860
Fairfax	New	GA	150	0
Farmville	Farmville Municipal	GA	14	839
Franklin	Franklin Municipal-John Beverly Rose	GA	5	1742
Fredericksburg	Shannon	GA	118	3040
Front Royal	Front Royal-Warren County	GA	22	2376
Galax	Twin County	GA	15	441
Gloucester	Gloucester	GA	0	40
Goochland	New	GA	60	0
Grundy	Grundy Municipal	GA	11	422
Kenbridge	Lunenburg County	GA	5	0
Leesburg	Leesburg Mun./ Godfrey Field	RL	258	37933
Lexington	New	GA	30	0
Louisa	Louisa County/ Freeman Field	GA	14	2226
Luray	Luray Caverns	GA	14	8990
Manassas	MaNASSas Mun./ Davis Field	RL	470	14524
Marion	Mountain Empire	GA	39	4305
Martinsville	Blue Ridge	GA	11	611
Melfa	Accomack County	GA	14	1025
Mt. Jackson	New	GA	10	0
Orange	Orange County	GA	24	2257
Pennington Gap	Lee County	GA	6	4894
Petersburg	Petersburg Municipal	GA	38	308
Portsmouth	Hampton Roads	RL	251	7825

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Quinton	New Kent County	GA	40	540
Richlands	Tazewell County	GA	23	290
Richmond	Chesterfield County	RL	106	1460
Richmond	Hanover County Municipal	RL	104	6886
Richmond	New	GA	2	0
Rocky Mount	New	GA	10	1111
Saluda	Hummel Field	GA	16	0
South Boston	William M Tuck	GA	26	715
South Hill	Mecklenburg-Brunswick Regional	GA	16	1427
Stafford	Stafford Regional	RL	80	83944
Suffolk	Suffolk Municipal	GA	23	1573
Tangier	Tangier Island	GA	0	0
Tappahannock	New	GA	18	1000
Warrenton	Warrenton-Fauquier	RL	131	5655
West Point	West Point Municipal	GA	9	303
Williamsburg	Williamsburg-Jamestown	GA	0	0
Winchester	Winchester Regional	GA	71	3976
Wise	Lonesome Pine	GA	26	1106
Woodbridge	New	GA	150	0

WASHINGTON

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Anacortes	Anacortes	CM	6	65	2864
Bellingham	Bellingham International	PR	155	139	17590
Burlington / Mt. vern	Skagit Regional/ Bayview	CM	3	91	3644
Eastsound	Orcas Island	CM	7	36	123
Friday Harbor	Friday Harbor SPB	PR	11	1	0
Friday Harbor	Friday Harbor	PR	11	122	2636
Kenmore	Kenmore Air Harbor	CM	0	144	0
Moses Lake	Grant County	CM	6	100	7857
Pasco	Tri-Cities	PR	282	138	8078
Port Angeles	William R Fairchild International	PR	58	91	3217
Pullman	Pullman-Moscow Regional	PR	40	76	1547
Seattle	Boeing Field/ King County International	CR	0	654	12873
Seattle	New	PR	10	10	1350
Seattle	Seattle-Tacoma International	PR	10240	5	439868
Spokane	Spokane International	PR	1306	105	9674
Walla Walla	Walla Walla City-County	PR	28	170	5113
Wenatchee	Pangborn Field	PR	38	85	2818
Yakima	Yakima Air Terminal	PR	135	210	5008

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Arlington	Arlington Municipal	GA	341	5026
Auburn	Auburn Municipal	RL	325	1084
Bellevue	New	GA	2	0
Bremerton	Bremerton National	GA	125	6292
Brewster	Anderson Field	GA	16	144
Camas	Grove Field	GA	54	0
Cashmere	Cashmere-Dryden	GA	22	29
Chehalis	Chehalis-Centralia	GA	76	281
Chelan	Chelan Municipal	GA	36	241
Cle Elum	Cle Elum Municipal	GA	6	92
Colfax	Whitman County Memorial	GA	12	542
Colville	New	GA	26	2494
Davenport	Davenport	GA	19	337
Deer Park	Deer Park	GA	50	774
Electric City	Grand Coulee Dam	GA	6	0
Ellensburg	Bowers Field	GA	42	709
Ephrata	Ephrata Municipal	GA	28	1258
Everett	Snohomish County Paine Field	RL	569	7651
Forks	Forks	GA	19	0
Hoquiam	Bewerman Field	GA	62	1230
Ione	Ione Municipal	GA	5	430
Kelso	Kelso-Longview	GA	104	23952
Langley	Whidbey Airpark	GA	29	0
Lopez	Lopez Island	GA	23	117
Lynden	New	GA	23	2511

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Ocean Shores	Ocean Shores Municipal	GA	4	158
Odessa	Odessa Municipal	GA	8	234
Olympia	New	GA	2	0
Olympia	Olympia	GA	162	418
Omak	Omak	GA	25	2682
Oroville	Dorothy Scott	GA	22	103
Othello	Othello Municipal	GA	20	430
Packwood	Packwood Airport	GA	7	198
Port Townsend	Jefferson County International	GA	65	184
Prosser	Prosser	GA	35	309
Puyallup	Pierce County-Thun Field	GA	157	1286
Renton	Renton Municipal	RL	310	3310
Richland	Richland	GA	115	2804
Ritzville	Pru Field	GA	11	30
Rosalia	Rosalia Municipal	GA	20	30
Seattle	New	RL	0	540
Seattle	New	RL	0	900
Shelton	Sanderson Field	GA	42	3908
Snohomish	Harvey Field	RL	369	30
Spokane	Felts Field	RL	377	1715
Sunnyside	Sunnyside Municipal	GA	36	230
Tacoma	New	GA	0	0
Tacoma	Tacoma Narrows	GA	158	2040
Toledo	Ed Carlson Memorial Field	GA	20	766
Vancouver	New	RL	92	0
Vancouver	Pearson Airpark	GA	158	64
Vashon	Vashon Municipal	GA	22	693
Wilbur	Wilbur	GA	16	0
Winthrop	Methow Valley State	GA	12	312

WEST VIRGINIA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Beckley	Raleigh Cty Memorial	PR	22	47	1470
Bluefield	Mercer Cty	PR	20	51	1811
Charleston	Kanawha	PR	360	106	8545
Clarksburg	Benedum	PR	26	64	26903
Huntington	Tri-State/ Walker-Long Field	PR	151	84	7447
Lewisburg	Greenbrier Valley	PR	42	32	3167
Morgantown	Morgantown Muni-Walter Hart Fld	PR	28	68	1333
Parkersburg	Wood Cty/ Gill Robb Wilson Field	PR	60	82	1958

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Buckhannon	New	GA	15	4930
Davis	New	GA	4	0
Elkins	Elkins-Randolph Co-Jennings Randolph	GA	31	742
Fairmont	Fairmont Muni	GA	30	0
Fayetteville	New	GA	20	0
Logan	New	GA	16	2356
Marlinton	New	GA	10	7959
Martinsburg	Eastern W V Reg/ Shephard Field	GA	46	3594
Moundsville	Marshall Cty	GA	17	1138
Petersburg	Grant Cty	GA	19	322
Pineville	Kee Field	GA	35	524
Point Pleasant	Mason Cty	GA	40	830
Ravenswood	Jackson Cty	GA	22	557
Spencer	New	GA	10	13500
Summersville	Summersville	GA	16	444
Sutton	Braxton Cty	GA	10	60
Welch	Welch Muni	GA	12	0
Wheeling	Wheeling-Ohio Cty	GA	29	2442
Williamson	Mingo Cty	GA	12	624
Winfield	New	GA	30	0

WISCONSIN

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Appleton	Outagamie County	PR	203	92	13834
Eau Claire	Eau Claire County	PR	43	84	2739
Green Bay	Austin Straubel Field	PR	305	111	16710
La Crosse	La Crosse Municipal	PR	113	95	10991
Madison	Dane County Regional	PR	523	169	32315
Milwaukee	General Mitchell Field	PR	2541	165	91846
Milwaukee	Lawrence J Timmerman	CR	5	240	180
Mosinee	Central Wisconsin	PR	143	45	7136
Oshkosh	Wittman Field	PR	35	158	5760
Rhinelanders	Rhinelanders-Oneida County	PR	40	29	1694
Sheboygan	Sheboygan County Memorial	CM	3	64	50

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Adams / Friendship	Adams County Legion Field	GA	21	530
Amery	Amery Municipal	GA	27	862
Antigo	Langlade County	GA	25	1947
Ashland	John F Kennedy Memorial	GA	31	1515
Baraboo	Baraboo-Wisconsin Dells	GA	38	80
Black River Falls	Black River Falls Area	GA	15	898
Bloomer	Bloomer Municipal	GA	6	388
Boscobel	Boscobel	GA	27	3230
Boyceville	Boyceville Municipal Airport	GA	15	880
Brookfield	Capitol	RL	135	6847
Burlington	Burlington Municipal	GA	58	1518
Cable	Cable Union	GA	1	107
Clintonville	Clintonville Municipal	GA	26	295
Crandon	Crandon Municipal	GA	4	773
Eagle River	Eagle River Union	GA	37	505
East Troy	East Troy Municipal	GA	70	1239
Edgerton	Tobacco City	GA	17	1533
Ephraim	Ephraim/ Gibraltar	GA	10	228
Fond Du Lac	Fond Du Lac County	GA	83	5700
Fort Atkinson	Fort Atkinson Municipal	GA	16	120
Hartford	Hartford Municipal	RL	75	1890
Hayward	Hayward Municipal	GA	14	1620
Janesville	Rock County	GA	117	2697
Juneau	Dodge County	GA	50	2030
Kenosha	Kenosha Municipal	RL	200	16048
La Pointe	Madeline Island	GA	11	1751
Ladysmith	Rusk County	GA	14	1160
Lancaster	Lancaster	GA	14	973
Land O' Lakes	Kings Land O' Lakes	GA	10	640
Madison	Morey	RL	33	8284
Manitowish Waters	Manitowish Waters	GA	21	239
Manitowoc	Manitowoc Municipal	GA	30	1424

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Marshfield	Marshfield Municipal			
Medford	Taylor County Airport	GA	30	809
Menomonie	Score Field	GA	17	920
Merrill	Merrill Municipal	GA	20	3180
Mineral Point	Mineral Point	GA	24	120
Minocqua - Woodruff	Lakeland	GA	15	1620
Monroe	Monroe Municipal	GA	37	2911
Neillsville	Neillsville Municipal	GA	16	870
New Holstein	New Holstein Municipal	GA	23	712
New Lisbon	Mauston-New Lisbon Union	GA	13	143
New Richmond	New Richmond Municipal	GA	12	489
Oconto	Oconto Municipal	GA	65	380
Osceola	L. O. Simenstad Municipal	GA	15	514
Palmyra	Palmyra Municipal	GA	60	630
Park Falls	Park Falls Municipal	GA	48	1070
Phillips	Price County	GA	7	1427
Platteville	Grant County Airport	GA	12	1380
Portage	Portage Municipal	GA	26	1273
Prairie Du Chien	Prairie Du Chien Municipal	GA	23	3860
Prairie Du Sac	Sauk-Prairie	GA	17	140
Racine	John H Batten Field	GA	30	633
Reedsburg	Reedsburg Municipal	RL	79	11098
Rice Lake	New	GA	17	1409
Richland Center	Richland	GA	28	6185
River Falls	New	GA	11	1127
Shawano	Shawano Municipal	GA	12	2428
Shell Lake	Shell Lake Municipal	GA	21	510
Siren	Burnett County	GA	12	1166
Sparta	Sparta/ Fort Mc Coy	GA	21	350
Stevens Point	Stevens Point Municipal	GA	7	387
Sturgeon Bay	Door County Cherryland	GA	50	990
Superior	Richard I Bong	GA	37	295
Thorp	New	GA	44	2270
Tomahawk	Tomahawk Regional	GA	10	962
Viroqua	Viroqua Municipal	GA	6	1550
Washington Island	Washington Island	GA	13	235
Watertown	Watertown Municipal	GA	5	945
Waukesha	Waukesha County	GA	85	900
Waupaca	Waupaca Municipal	RL	180	1613
Waupun	Waupun	GA	23	1184
Wausau	Wausau Municipal	GA	51	1725
Wautoma	Wautoma Municipal	GA	25	100
West Bend	West Bend Municipal	GA	24	180
Whitehall	New	RL	115	5130
Wisconsin Rapids	Alexander Field	GA	10	1680
		GA	37	575

WYOMING

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Casper	Natrona County International	PR	116	60	13554
Cheyenne	Cheyenne	PR	40	52	20014
Cody	Yellowstone Regional Airport	PR	22	50	9131
Gillette	Gillette Campbell County	PR	21	45	4544
Jackson	Jackson Hole	PR	194	55	5464
Laramie	General Brees Field	CM	9	40	4565
Riverton	Riverton Regional	PR	19	20	3132
Rock Springs	Rock Springs-Sweetwater County	PR	24	40	2889
Sheridan	Sheridan County	PR	21	100	3755
Worland	Worland Municipal	CM	3	17	1213

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Afton	Afton Municipal	GA	25	1552
Big Piney	Big Piney-Marbleton	GA	9	1100
Buffalo	Johnson County	GA	20	363
Cowley Lovell Byron	North Big Horn County	GA	10	440
Dixon	Dixon	GA	8	1534
Douglas	Converse County	GA	25	1263
Dubois	Dubois Municipal	GA	6	1127
Evanston	Evanston-Uinta County (Burns Field)	GA	11	1059
Greybull	South Big Horn County	GA	55	1480
Kemmerer	Kemmerer Municipal	GA	8	960
Lander	Hunt Field	GA	30	0
Lusk	Lusk Municipal	GA	3	1476
Newcastle	Mondell Field	GA	14	361
Pine Bluffs	Pine Bluffs Municipal	GA	10	2026
Pinedale	Ralph Wenz Field	GA	19	2289
Powell	Powell Municipal	GA	14	1720
Rawlins	Rawlins Municipal	GA	22	1821
Saratoga	Shively Field	GA	29	2647
Thermopolis	Hot Springs Co Thermopolis Muni	GA	12	0
Torrington	Torrington Municipal	GA	26	189
Wheatland	Phiifer Airfield	GA	24	533

AMERICAN SAMOA

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Fitiuta Village	Fitiuta	CM	8	0	650
Ofu Village	Ofu	CM	4	0	1206
Pago Pago	Pago Pago International	PR	113	3	11200

GUAM
FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS
PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Agana	Agana NAS	PR	1164	40	53128

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Agana	New	GA	15	3725

NORTH MARIANA ISLE

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Obyan	Saipan International	PR	475	9	12704
Peipeinimaru	West Tinian	PR	27	0	23443
Rota Island	Rota International	PR	31	0	13243

PUERTO RICO

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS

PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Aguadilla	Rafael Hernandez	PR	40	37	10492
Fajardo	Diego Jimenez Torres	PR	70	11	5672
Isla De Culebra	Culebra	PR	16	10	1345
Isla De Vieques	Vieques	PR	55	18	6256
Mayaguez	Eugenio Maria De Hostos	PR	88	25	3045
Ponce	Mercedita	PR	30	36	6029
San Juan	Isla Grande	PR	27	184	4290
San Juan	Luis Munoz Marin International	PR	4228	120	38494

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Arecibo	Antonio (Nery) Juarbe Pol	GA	22	4519
Fajardo	Fajardo Harbor Seaplane Base	GA	0	0
Humacao	Humacao	GA	10	82392
San Juan	New	RL	0	0

VIRGIN ISLANDS

FORECAST ACTIVITY AND 5-YEAR DEVELOPMENT COSTS PRIMARY AND COMMERCIAL SERVICE AIRPORTS

City	Airport	Role	Enpl (X000)	Bsd Acft	Cost (\$000)
Charlotte Amalie	Cyril E. King	PR	752	55	6450
Christiansted	Alexander Hamilton	PR	335	50	12577
Cruz Bay	Cruz Bay Harbor Seaplane Base	CM	4	0	0

RELIEVER AND GENERAL AVIATION AIRPORTS

City	Airport	Role	Bsd Acft	Cost (\$000)
Charlotte Amalie	Charlotte Amalie Harbor Seaplane Base	GA	0	0
Christiansted	Christiansted Harbor Seaplane Base	GA	0	0

APPENDIX B—REGIONAL OFFICES ADDRESSES AND TELEPHONE NUMBERS

NEW ENGLAND REGIONAL OFFICE

Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut

Airports Division, ANE-600
Federal Aviation Administration
12 New England Executive Park
Burlington, Massachusetts 01803-5299
Phone No.: (617) 238-7600
FAX: (617) 238-7608

EASTERN REGIONAL OFFICE

**New York, New Jersey, Pennsylvania, Delaware, Maryland, Virginia, West Virginia,
and District of Columbia**

Airports Division, AEA-600
Federal Aviation Administration
Fitzgerald Federal Building, Room 329
John F. Kennedy International Airport
Jamaica, New York 11430
Phone No.: (718) 553-1239
FAX: (718) 995-9219

SOUTHERN REGIONAL OFFICE

**Georgia, North Carolina, South Carolina, Florida, Puerto Rico, Virgin Islands,
Tennessee, Kentucky, Mississippi, and Alabama**

Airports Division, ASO-600
Federal Aviation Administration
1701 Columbia Avenue
College Park, Georgia 30337
Phone No.: (404) 305-6700
FAX: (404) 305-6730

MAIL ADDRESS:
Airports Division, ASO-600
Federal Aviation Administration
P. O. Box 20636
Atlanta, Georgia 30320

GREAT LAKES REGIONAL OFFICE

Illinois, Indiana, Michigan, Wisconsin, Minnesota, Ohio, North Dakota, and South Dakota

Airports Division, AGL-600
Federal Aviation Administration
2300 East Devon Avenue
Des Plaines, Illinois 60018
Phone No.: (708) 294-7272
FAX: (708) 294-7036

CENTRAL REGIONAL OFFICE

Kansas, Missouri, Iowa, Nebraska

Airports Division, ACE-600
Federal Aviation Administration
Federal Building
601 East 12th Street
Kansas City, Missouri 64106
Phone No.: (816) 426-4698
FAX: (816) 426-3265

SOUTHWEST REGIONAL OFFICE

Arkansas, Texas, Oklahoma, New Mexico, Louisiana

Airports Division, ASW-600
Federal Aviation Administration
2601 Meacham Boulevard
Fort Worth, Texas 76173-4298
Phone No.: (817) 222-5600
FAX: (817) 222-5984

MAIL ADDRESS:

Department of Transportation, ASW-600
Federal Aviation Administration
Fort Worth, Texas 76193-0600

NORTHWEST MOUNTAIN REGIONAL OFFICE

Washington, Idaho, Oregon, Colorado, Wyoming, Utah, and Montana

Airports Division, ANM-600
Federal Aviation Administration
1601 Lind Avenue, S.W.
Renton, Washington 98055-4056
Phone No.: (206) 227-2600
FAX: Commercial (206) 227-1600

WESTERN-PACIFIC REGIONAL OFFICE

**California, Arizona, Nevada, Hawaii, American Samoa, Guam, and
Commonwealth of Northern Marianas Islands**

Airports Division, AWP-600
Federal Aviation Administration
15000 Aviation Boulevard
Lawndale, California 90261
Phone No.: (310) 297-1240
FAX: (310) 297-0490

MAIL ADDRESS:

Airports Division, AWP-600
Federal Aviation Administration
P. O. Box 92007
Worldway Postal Center
Los Angeles, California 90009

ALASKAN REGIONAL OFFICE

Alaska

Airports Division, AAL-600
Federal Aviation Administration
Anchorage Federal Office Building
222 West 7th Avenue, Box 14
Anchorage, Alaska 99513
Phone No.: (907) 271-5438
FAX: (907) 271-2851

