

# Appendix B

## INVENTORY SURVEY



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# Appendix B

## INVENTORY SURVEY



### SASP Inventory Paper Survey



#### 2011 Minnesota State Aviation System Plan INVENTORY DATA REQUEST

#### 1. GENERAL INFORMATION

Airport Name \_\_\_\_\_ Date of Survey \_\_\_\_\_  
 Total Airport Acreage \_\_\_\_\_ Airport Identifier \_\_\_\_\_  
 FAA Site Number \_\_\_\_\_  
 Airport Manager Name \_\_\_\_\_ Manager Phone \_\_\_\_\_  
 Manager Phone 2 \_\_\_\_\_ Manager E-mail \_\_\_\_\_ Manager E-mail 2 \_\_\_\_\_  
 Manager Street Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 If you are not the Airport Manager  
 Name and position of person completing survey \_\_\_\_\_  
 Phone \_\_\_\_\_

#### 2. AIRPORT CHARACTERISTICS

Airport has (select all that apply)  Rotating Beacon  Segmented Circle  Wind Cone  
 Lighted Wind Cone  
 Weather Reporting (type) – ASOS (Automated Surface Observation System) – AWOS (Automated Weather Observation System) *Select a Value: ASOS, AWOS, None*  
 Airport Reference Code (i.e. A-1, B-1...) \_\_\_\_\_  
 Source *Select a Value: Airport Master Plan, Airport Layout Plan, Other*  
 If source other, please explain \_\_\_\_\_ Date of Source \_\_\_\_\_  
 Design Critical Aircraft (Type) \_\_\_\_\_  
 Source *Select a Value: Airport Master Plan, Airport Layout Plan, Other*  
 If source other, please explain \_\_\_\_\_ Date of Source \_\_\_\_\_

#### 3. CURRENT AIRPORT USEAGE

A. The Airport is used for the following purposes (select all that apply)

<input type="checkbox"/> Scheduled Air Carrier	<input type="checkbox"/> Environmental Patrol
<input type="checkbox"/> On-demand Charter	<input type="checkbox"/> Civil Air Patrol
<input type="checkbox"/> Corporate/Business Flights	<input type="checkbox"/> Location for Community Facilities
<input type="checkbox"/> Recreational Flying	<input type="checkbox"/> Police or Law Enforcement Flights
<input type="checkbox"/> Emergency Medical (air ambulance, etc.)	<input type="checkbox"/> Flight Training

# Appendix B

## INVENTORY SURVEY



### Inventory Paper Survey (Continued)

- |   |   |
|---|---|
| <input type="checkbox"/> Gateway for VIP/High Profile Visitors        | <input type="checkbox"/> Scheduled Cargo                |
| <input type="checkbox"/> Search and Rescue                            | <input type="checkbox"/> Shipping of Just-in-time Goods |
| <input type="checkbox"/> Aerial Photography/Surveying                 | <input type="checkbox"/> Prisoner Transport             |
| <input type="checkbox"/> Real Estate Tours                            | <input type="checkbox"/> Traffic or News Reporting      |
| <input type="checkbox"/> Aerial Inspections (pipeline, electric, etc) | <input type="checkbox"/> Aviation Museum                |
| <input type="checkbox"/> Staging Area for Community Events            | <input type="checkbox"/> Forest Fire Fighting           |
| <input type="checkbox"/> Aerial Advertising/Banner Towing             | <input type="checkbox"/> Agricultural Spraying          |
| <input type="checkbox"/> Skydiving                                    |   |
| <input type="checkbox"/> Other (Please Separate By Commas) _____      |   |

#### B. Industrial Parks

- Total number of on-airport industrial parks \_\_\_\_\_
- Total number of off-airport industrial parks \_\_\_\_\_
- Distance to nearest off-airport industrial park (miles) \_\_\_\_\_
- Total number of acres of all industrial park \_\_\_\_\_
- Total combined acres developed \_\_\_\_\_
- Tenants or types of Businesses (please separate by commas) \_\_\_\_\_
- Airport usage by industrial park tenants \_\_\_\_\_

#### C. Major Airport Users and Off-Airport Dependent Businesses

- Please Add an Entry Below for Each Business
- Company \_\_\_\_\_
- Contact Name and Position \_\_\_\_\_
- Contact Telephone Number \_\_\_\_\_
- Number of Single Engine Aircraft Based at Airport \_\_\_\_\_
- Number of Multi Engine Aircraft Based at Airport \_\_\_\_\_
- Number of Turboprop Aircraft Based at Airport \_\_\_\_\_
- Number of Business Jets at Airport \_\_\_\_\_
- Number of Helicopters Based at Airport \_\_\_\_\_

#### 4. SERVICES PROVIDED AT THE AIRPORT

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Air Taxi              | <input type="checkbox"/> U.S. Customs/Immigration | <input type="checkbox"/> General Aviation Facilities             |
| <input type="checkbox"/> Hangar Rental         | <input type="checkbox"/> Aircraft Rental          | <input type="checkbox"/> Pilot Lounge                            |
| <input type="checkbox"/> Tie Downs             | <input type="checkbox"/> 100LL Fuel Sales         | <input type="checkbox"/> Aircraft Sales                          |
| <input type="checkbox"/> Jet A Fuel Sales      | <input type="checkbox"/> Mogas Fuel Sales         | <input type="checkbox"/> Restrooms                               |
| <input type="checkbox"/> Aircraft Repair-Major | <input type="checkbox"/> Avionics Sales/Repair    | <input type="checkbox"/> Public Telephone                        |
| <input type="checkbox"/> Aircraft Repair-Minor | <input type="checkbox"/> Vending                  | <input type="checkbox"/> Car Rental                              |
| <input type="checkbox"/> Restaurant            | <input type="checkbox"/> Taxis                    | <input type="checkbox"/> Public Transportation/Bus Service       |
| <input type="checkbox"/> Skydiving             | <input type="checkbox"/> Courtesy Vehicle         | <input type="checkbox"/> Other (Please separate by commas) _____ |

# Appendix B

## INVENTORY SURVEY



### Inventory Paper Survey (Continued)

#### 5. AIRSIDE FACILITIES

Please Add an Entry Below for Each Runway

Designation (i.e. 17/35) \_\_\_\_\_

Length (feet) \_\_\_\_\_

Width (feet) \_\_\_\_\_

Surface Type *Select* Asphalt, Asphalt-Concrete, Concrete, Turf, Other

Other (Please Separate By Commas) \_\_\_\_\_

Surface Treatment

*Select* Grooved, Friction Course, Aggregate Seal Coat, Rubberized Seal Coat, Wire Comb, None, Other

Other (Please Separate By Commas) \_\_\_\_\_

Shoulder *Select* Paved, Unpaved, None

Lights (Please *Select* One)  HIRL (high intensity runway lights)

MIRL (medium intensity runway lights)

LIRL (low intensity runway lights)

Lights continued (Please *Select* All That Apply)

Centerline Lights

Pilot Controlled

Non-standard

None

Parallel Taxiway *Select* Full, Partial, None

Weight Bearing Capacity Under, Dual Dual Tandem (DDT) Wheel Landing Gear \_\_\_\_\_

Weight Bearing Capacity Under Dual Tandem (DT) Wheel Landing Gear \_\_\_\_\_

Weight Bearing Capacity Under Dual Wheel (DW) Landing Gear \_\_\_\_\_

Weight Bearing Capacity Under Single Wheel (SW) Landing Gear \_\_\_\_\_

Pavement Condition Index \_\_\_\_\_

Runway End 1 (i.e. 17) \_\_\_\_\_

Runway End 1 NAVAIDs (Please *Select* All That Apply)

MALSR (Medium-Intensity Approach Light System with Rail)

ODAL (Omnidirectional Approach Light System)

REIL (Runway End Identifier Lights)

PAPI (Precision Approach Path Indicator)

VASI (Visual Approach Slope Indicator)

Pilot Controlled

Other (Please Separate By Commas) \_\_\_\_\_

Runway End 1 Instrument Approach (Please *Select* All That Apply)

PI (Precision Instrument)

APV - LPV - LNAV / VNAV

APV - RNP

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## INVENTORY SURVEY



### Inventory Paper Survey (Continued)

- NPI (Non-Precision Instrument)
- NONE

Runway End 1 Meets Runway Safety Area (RSA) Standards

Select Yes, No, Yes With Exception, Do Not Know

Runway End 1 Meets Clear Zone Standards

Select Yes, No, Yes With Exception, Do Not Know

Explain Runway 1 RSA and/or Clear Zone Exceptions \_\_\_\_\_

Runway End 2 (i.e. 35)

Runway End 2 NAVAIDs (Please Select All That Apply)

- MALSR (Medium-Intensity Approach Light System with Rail)
- ODAL (Omnidirectional Approach Light System)
- REIL (Runway End Identifier Lights)
- PAPI (Precision Approach Path Indicator)
- VASI (Visual Approach Slope Indicator)
- Pilot Controlled

Other (Please Separate By Commas) \_\_\_\_\_

Runway End 2 Instrument Approach (Please Select All That Apply)

- PI (Precision Instrument)
- APV - LPV - LNAV / VNAV
- APV - RNP
- NPI (Non-Precision Instrument)
- NONE

Runway End 2 Meets Runway Safety Area (RSA) Standards

Select Yes, No, Yes With Exception, Do Not Know

Runway End 2 Meets Clear Zone Standards

Select Yes, No, Yes With Exception, Do Not Know

Explain Runway 2 RSA and/or Clear Zone Exceptions \_\_\_\_\_

#### 6. LANDSIDE FACILITIES

A. Air Carrier Terminal

Total Area (sq ft) \_\_\_\_\_

Year Built \_\_\_\_\_

Last Major Renovation Date \_\_\_\_\_

Number of Loading Positions \_\_\_\_\_

B. General Aviation Terminal

# Appendix B

## INVENTORY SURVEY



### Inventory Paper Survey (Continued)

- Total Area (sq ft) \_\_\_\_\_  
 Year Built \_\_\_\_\_  
 Last Major Renovation Date \_\_\_\_\_
- C. Administration Building  
 Total Area (sq ft) \_\_\_\_\_  
 Year Built \_\_\_\_\_  
 Last Major Renovation Date \_\_\_\_\_
- D. Air Carrier Apron Area  
 Total Area (sq yds) \_\_\_\_\_
- E. General Aviation Apron Area  
 Total Area (sq yds) \_\_\_\_\_
- F. Air Cargo Hangar Facilities  
 Total Area (sq ft) \_\_\_\_\_  
 Year Built (Most Recent) \_\_\_\_\_  
 Last Major Renovation Date \_\_\_\_\_
- G. Air Cargo Warehouse and Office Facilities  
 Total Area (sq ft) \_\_\_\_\_  
 Year Built (Most Recent) \_\_\_\_\_  
 Last Major Renovation Date \_\_\_\_\_
- H. Air Cargo Apron Facilities  
 Total Area (sq yds) \_\_\_\_\_
- I. Hangars  
 T-Hangars  
 Number of City Owned \_\_\_\_\_  
 Number of Privately Owned \_\_\_\_\_
- Conventional Hangars  
 Number of City Owned \_\_\_\_\_  
 Number of Privately Owned \_\_\_\_\_  
 Total Area (sq ft) \_\_\_\_\_  
 Is there a waiting list for hangar space? *Select a Value:* Yes, No  
 If so, number of aircraft on the list \_\_\_\_\_  
 Number of aircraft owners on the wait list that would pay market price for new hangar space \_\_\_\_\_
- Number of Tie-downs for Transient Aircraft  
 Paved \_\_\_\_\_  
 Unpaved \_\_\_\_\_
- Number of Tie-downs for Based Aircraft  
 Paved \_\_\_\_\_  
 Unpaved \_\_\_\_\_
- Is there a waiting list for Tie-downs? *Select a Value:* Yes, No

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## INVENTORY SURVEY



### Inventory Paper Survey (Continued)

If so, number of aircraft on the list \_\_\_\_\_

J. Fuel Type

Mogas Capacity (gallons) \_\_\_\_\_

100LL Capacity (gallons) \_\_\_\_\_

Jet A Capacity (gallons) \_\_\_\_\_

K. Perimeter Fencing

Select a Value: Full, Partial, None

L. Auto Parking Spaces

Number of Spaces

Terminal \_\_\_\_\_

GA \_\_\_\_\_

Employee \_\_\_\_\_

M. FBO

Please Add an Entry Below for Each FBO

FBO Name \_\_\_\_\_

FBO Contact \_\_\_\_\_

FBO Telephone \_\_\_\_\_

**7. CURRENT BASED AIRCRAFT**

Please indicate NUMBER of aircraft

Single Engine Piston \_\_\_\_\_

Multi-Engine Piston \_\_\_\_\_

Turboprop \_\_\_\_\_

Jet \_\_\_\_\_

Non-Military Helicopter \_\_\_\_\_

Glider \_\_\_\_\_

Ultralight \_\_\_\_\_

Military Fixed Wing \_\_\_\_\_

Military Helicopter \_\_\_\_\_

Other (indicate number and specify types(s) separated by commas \_\_\_\_\_

**8. CURRENT OPERATIONAL DATA**

Definition of Operation: an aircraft takeoff or a landing

Busiest Month for Airport Operations \_\_\_\_\_

Typical Peak Hour Number of Operations in Busiest Month \_\_\_\_\_

Number of Operations on Busiest Day Number of Annual Operations (2010) \_\_\_\_\_

Number of Annual Operations (2010) \_\_\_\_\_

# Appendix B

## INVENTORY SURVEY



### Inventory Paper Survey (Continued)

Estimated percentage of annual airport operations (100%)

Local \_\_\_\_\_

Itinerant \_\_\_\_\_

Estimated percentage of annual airport operations (100%)

Business \_\_\_\_\_

Leisure \_\_\_\_\_

Flight Training \_\_\_\_\_

#### 9. AIRPORT TRENDS

A. Over the last five years, describe general trends experienced in the following categories

Level of Commercial Passenger Activity

Select a Value: Significant Increase, Increase, About the Same, Decrease, Significant Decrease, Not Applicable

Level of Cargo Activity

Select a Value: Significant Increase, Increase, About the Same, Decrease, Significant Decrease, Not Applicable

Level of GA Business/Corporate Activity

Select a Value: Significant Increase, Increase, About the Same, Decrease, Significant Decrease, Not Applicable

Level of GA Training/Student Activity

Select a Value: Significant Increase, Increase, About the Same, Decrease, Significant Decrease, Not Applicable

Level of GA Recreational Activity

Select a Value: Significant Increase, Increase, About the Same, Decrease, Significant Decrease, Not Applicable

B. Over the next five years, describe anticipated trends in the following categories

Level of Commercial Passenger Activity

Select a Value: Significant Increase, Increase, About the Same, Decrease, Significant Decrease, Not Applicable

Level of Cargo Activity

Select a Value: Significant Increase, Increase, About the Same, Decrease, Significant Decrease, Not Applicable

Level of GA Business/Corporate Activity

Select a Value: Significant Increase, Increase, About the Same, Decrease, Significant Decrease, Not Applicable

Level of GA Training/Student Activity

Select a Value: Significant Increase, Increase, About the Same, Decrease, Significant Decrease, Not Applicable

Level of GA Recreational Activity

Select a Value: Significant Increase, Increase, About the Same, Decrease, Significant Decrease, Not Applicable

#### 10. AIRPORT PLANNING

Current Airport Improvements Underway \_\_\_\_\_

Constraints to Future Airport Expansion (zoning, environmental concerns, local laws, ordinances, etc.) \_\_\_\_\_

Airport Master Plan

Plan is Underway Select a Value: Yes, No

Approval Date \_\_\_\_\_



# Appendix B

## INVENTORY SURVEY



### Inventory Paper Survey (Continued)

**Airport Layout Plan**

Plan is Underway *Select a Value:* Yes, No

Approval Date \_\_\_\_\_

**Airport Safety Zoning Ordinance**

Ordinance is Underway *Select a Value:* Yes, No

Approval Date \_\_\_\_\_

Is the approved ordinance zoned for (please select all that apply)

- Existing Runway(s)
- Proposed Runway(s)
- Ultimate Runway(s)

**Municipal Comprehensive Plan**

Plan is Underway *Select a Value:* Yes, No

Approval Date \_\_\_\_\_

Does Plan Coordinate with Airport Zoning *Select a Value:* Yes, No

Strengths of Airport in terms of its current and future status within Minnesota's system of airports \_\_\_\_\_

Weaknesses that limit Airport's present and future development \_\_\_\_\_

Opportunities that could enhance the role played by the Airport \_\_\_\_\_

Threats that could jeopardize the Airport's ability to effectively fulfill its mission \_\_\_\_\_

**11. Airport Adequacy**

Note the Adequacy of the Following

Please Note "Not Applicable" as appropriate and provide additional explanations in Section 12 General Comments/Information

**Runway Length**

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

**Runway Width**

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

**Airfield Pavement Condition**

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

**Runway Instrumentation**

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

# Appendix B

## INVENTORY SURVEY



### Inventory Paper Survey (Continued)

Taxiway Layout

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Taxiway Width

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Taxiway Pavement Condition

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Airfield Lighting

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Airfield Signage

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Airfield Capacity

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Aircraft Parking/Storage Capacity

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Auto Parking

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Taxi Service

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Rental Car Service

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Availability of Courtesy Car

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Surface Access

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Integration of Multi-Modal

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Transportation Modes

*Select a Value:* Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

# Appendix B

## INVENTORY SURVEY



### Inventory Paper Survey (Continued)

Terminal/FBO Size

Select a Value: Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Terminal/FBO Condition

Select a Value: Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Aviation Fuel Storage Capacity

Select a Value: Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Minimal Air Traffic Conflicts

Select a Value: Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

Minimal Airspace Conflicts

Select a Value: Totally Adequate, Reasonably Adequate, Neutral, Somewhat Inadequate, Totally Inadequate, Not Applicable

#### 12. General Comments/Information

Please provide any additional comments and/or information here \_\_\_\_\_

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# Appendix B

## INVENTORY SURVEY



### Inventory On-line Survey

Minnesota State Aviation System Plan

2011 Minnesota State Aviation System Plan  
Inventory Survey



#### Welcome

The Minnesota Department of Transportation (MnDOT) Office of Aeronautics is preparing the 2011 Minnesota State Aviation System Plan (SASP). The SASP is a comprehensive 20-year plan for the development of airports and aviation in Minnesota. As part of this plan, an inventory survey of all the SASP airports is being completed. Please complete the questionnaire as your input is vital to this planning effort.

Respondents that complete the survey by **5:00 p.m. CDT on Friday, April 22, 2011**, will be entered into a drawing to win an iPad provided by HNTB (one entry per airport). All surveys must be completed by 5:00 p.m. CDT on Friday, April 29, 2011.

If you have questions about the survey or to request a hard copy to fill out, please contact Todd Wright, HNTB Corporation, at (952) 345-5971 or [twright@hntb.com](mailto:twright@hntb.com). You can also contact Dick Theisen, MnDOT Office of Aeronautics, at (651) 234-7192 or [Dick.Theisen@state.mn.us](mailto:Dick.Theisen@state.mn.us) for questions regarding the SASP. Additionally, staff will be available to answer your questions at the 2011 Minnesota Council of Airports Conference (April 13-15).

#### About the Survey

This survey is separated into 12 sections. You can work through each section in order, or jump from section to section using the navigation. Please provide any additional information or comments in section 12.

You must select **SAVE DATA** on each page to record your edits and additions. Your updates will be available for further review or changes if you return to that page.

When you have completed all pages of the survey, select the **SUBMIT SURVEY** button to submit your completed survey. After submitting, you will no longer have access to the survey. Submittals before 5:00 p.m. CDT on Friday, April 22, will be entered into the iPad drawing.

The following browser versions are recommended for best performance:

- [Internet Explorer 7+](#)
- [Firefox 3+](#)
- [Safari 4+](#)
- [Chrome 8+](#)

Summaries of the survey responses will be included in the SASP report and GIS database being prepared as part of this study. For information about acronyms go to the [Glossary of Airport Acronyms](#). Thank you for helping the Minnesota Department of Transportation obtain the most accurate picture of statewide airport conditions for this system plan.

[Continue to the Survey](#)

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<https://www.2011mnsaspsurvey.org/Welcome.aspx>

# Appendix B

## INVENTORY SURVEY



State  
Aviation  
System  
Plan

### Inventory On-line Survey (Continued)

Minnesota State Aviation System Plan

2011 Minnesota State Aviation System Plan

#### Inventory Survey



#### GENERAL INFORMATION

AIRPORT CHARACTERISTICS  
CURRENT AIRPORT USAGE  
SERVICES PROVIDED AT THE AIRPORT  
AIRSIDE FACILITIES  
LANDSIDE FACILITIES  
CURRENT BASED AIRCRAFT  
CURRENT OPERATIONAL DATA  
AIRPORT TRENDS  
AIRPORT PLANNING  
AIRPORT ADEQUACY  
GENERAL COMMENTS/INFORMATION

#### 1. General Information

AIRPORT NAME	DATE OF SURVEY	
<input type="text"/>	<input type="text"/>	
TOTAL AIRPORT ACREAGE	AIRPORT IDENTIFIER	FAA SITE NUMBER
<input type="text"/>	TWM	11029.9*A
AIRPORT MANAGER NAME	MANAGER PHONE	MANAGER PHONE 2
<input type="text"/>	<input type="text"/>	<input type="text"/>
MANAGER E-MAIL	MANAGER E-MAIL 2	
<input type="text"/>	<input type="text"/>	
MANAGER STREET ADDRESS		
<input type="text"/>		
CITY	STATE	ZIP
<input type="text"/>	<input type="text"/>	<input type="text"/>

By submitting this survey, you will no longer have access to the survey. Thank you for helping the Minnesota Department of Transportation obtain the most accurate picture of statewide airport conditions for this system plan.

If you are not the Airport Manager:

NAME AND POSITION OF PERSON COMPLETING SURVEY	PHONE
<input type="text"/>	<input type="text"/>

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## INVENTORY SURVEY



### Inventory On-line Survey (Continued)

Minnesota State Aviation System Plan

2011 Minnesota State Aviation System Plan  
Inventory Survey



GENERAL INFORMATION

**AIRPORT CHARACTERISTICS**

CURRENT AIRPORT USAGE

SERVICES PROVIDED AT THE AIRPORT

AIRSIDE FACILITIES

LANDSIDE FACILITIES

CURRENT BASED AIRCRAFT

CURRENT OPERATIONAL DATA

AIRPORT TRENDS

AIRPORT PLANNING

AIRPORT ADEQUACY

GENERAL COMMENTS/INFORMATION

**Save Data**

**Submit Survey**

By submitting this survey, **you will no longer have access to the survey**. Thank you for helping the Minnesota Department of Transportation obtain the most accurate picture of statewide airport conditions for this system plan.

### 2. Airport Characteristics

Airport has (select all that apply):

ROTATING BEACON

SEGMENTED CIRCLE

WIND CONE

LIGHTED WIND CONE

WEATHER REPORTING (TYPE) - ASOS (AUTOMATED SURFACE OBSERVATION SYSTEM) - AWOS (AUTOMATED WEATHER OBSERVATION SYSTEM)

AIRPORT REFERENCE CODE (I.E. A-I, B-II...)

SOURCE

IF SOURCE OTHER, PLEASE EXPLAIN

DATE OF SOURCE

DESIGN CRITICAL AIRCRAFT (TYPE)

SOURCE

IF SOURCE OTHER, PLEASE EXPLAIN

DATE OF SOURCE

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### Inventory On-line Survey (Continued)

Minnesota State Aviation System Plan

2011 Minnesota State Aviation System Plan  
Inventory Survey



GENERAL INFORMATION

AIRPORT CHARACTERISTICS

**CURRENT AIRPORT USAGE**

SERVICES PROVIDED AT THE AIRPORT

AIRSIDE FACILITIES

LANDSIDE FACILITIES

CURRENT BASED AIRCRAFT

CURRENT OPERATIONAL DATA

AIRPORT TRENDS

AIRPORT PLANNING

AIRPORT ADEQUACY

GENERAL COMMENTS/INFORMATION

**Save Data**

**Submit Survey**

By submitting this survey, you will no longer have access to the survey. Thank you for helping the Minnesota Department of Transportation obtain the most accurate picture of statewide airport conditions for this system plan.

### 3. Current Airport Usage

A The Airport is used for the following purposes (select all that apply):

- SCHEDULED AIR CARRIER
- ON-DEMAND CHARTER
- CORPORATE/BUSINESS FLIGHTS
- RECREATIONAL FLYING
- FLIGHT TRAINING
- SCHEDULED CARGO
- SHIPPING OF JUST-IN-TIME GOODS
- PRISONER TRANSPORT
- TRAFFIC OR NEWS REPORTING
- AVIATION MUSEUM
- FOREST FIRE FIGHTING
- AGRICULTURAL SPRAYING
- ENVIRONMENTAL PATROLS
- CIVIL AIR PATROL
- LOCATION FOR COMMUNITY FACILITIES
- POLICE OR LAW ENFORCEMENT FLIGHTS
- EMERGENCY MEDICAL (AIR AMBULANCE, ETC.)
- GATEWAY FOR VIP/HIGH PROFILE VISITORS
- SEARCH AND RESCUE
- AERIAL PHOTOGRAPHY/SURVEYING
- REAL ESTATE TOURS
- AERIAL INSPECTIONS (PIPELINE, ELECTRIC, ETC.)
- STAGING AREA FOR COMMUNITY EVENTS
- AERIAL ADVERTISING/BANNER TOWING
- SKYDIVING

OTHER (PLEASE SEPARATE BY COMMAS)

<https://www.2011mnsaspsurvey.org/Survey.aspx>

# Appendix B

## INVENTORY SURVEY



State  
Aviation  
System  
Plan

### Inventory On-line Survey (Continued)

Minnesota State Aviation System Plan

#### B Industrial Parks:

TOTAL NUMBER OF ON-AIRPORT INDUSTRIAL PARKS

TOTAL NUMBER OF OFF-AIRPORT INDUSTRIAL PARKS

DISTANCE TO NEAREST OFF-AIRPORT INDUSTRIAL PARK (MILES)

TOTAL COMBINED ACRES OF ALL INDUSTRIAL PARKS

TOTAL COMBINED ACRES DEVELOPED

TENANTS OR TYPES OF BUSINESSES (PLEASE SEPARATE BY COMMAS)

AIRPORT USAGE BY INDUSTRIAL PARK TENANTS (PLEASE SEPARATE BY COMMAS)

#### C Major Airport Users and Off-Airport Dependent Business:

Please Add an Entry Below for Each Businesses

Company	Contact Name and Position	Contact Telephone Number	Number of Single Engine Aircraft Based at Airport	Number of Multi Engine Aircraft Based at Airport	Number of Turboprop Aircraft Based at Airport	Number of Business Jets Based at Airport	Number of Helicopter Based at Airport
Company:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Contact Name and Position:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Contact Telephone Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Number of Single Engine Aircraft Based at Airport:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Number of Multi Engine Aircraft Based at Airport:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Number of Turboprop Aircraft Based at Airport:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Number of Business Jets Based at Airport:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Number of Helicopter Based at Airport:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



# Appendix B

## INVENTORY SURVEY



### Inventory On-line Survey (Continued)

Minnesota State Aviation System Plan

2011 Minnesota State Aviation System Plan  
Inventory Survey



GENERAL INFORMATION

AIRPORT CHARACTERISTICS

CURRENT AIRPORT USAGE

**SERVICES PROVIDED AT THE AIRPORT**

AIRSIDE FACILITIES

LANDSIDE FACILITIES

CURRENT BASED AIRCRAFT

CURRENT OPERATIONAL DATA

AIRPORT TRENDS

AIRPORT PLANNING

AIRPORT ADEQUACY

GENERAL COMMENTS/INFORMATION

**Save Data**

**Submit Survey**

By submitting this survey, you will no longer have access to the survey. Thank you for helping the Minnesota Department of Transportation obtain the most accurate picture of statewide airport conditions for this system plan.

#### 4. Services Provided At The Airport

Select all that apply:

- U.S. CUSTOMS/IMMIGRATION
- TIE DOWNS
- AIRCRAFT REPAIR - MAJOR
- AIRCRAFT REPAIR - MINOR
- RESTAURANT
- VENDING
- RESTROOMS
- PILOT LOUNGE
- SKYDIVING
- GENERAL AVIATION FACILITIES
- AIRCRAFT RENTAL
- JET A FUEL SALES
- 100LL FUEL SALES
- MOGAS FUEL SALES
- AVIONICS SALES/REPAIR
- COURTESY VEHICLE
- AIR TAXI
- HANGAR RENTAL
- AIRCRAFT SALES
- PUBLIC TELEPHONE
- CAR RENTAL
- PUBLIC TRANSPORTATION/BUS SERVICE
- TAXIS

OTHER (PLEASE SEPARATE BY COMMAS)

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# Appendix B

## INVENTORY SURVEY



### Inventory On-line Survey (Continued)

#### 5. Airside Facilities

Designation (i.e. 17/35)

Length (feet):

Width (feet):

Surface Type:

Other (Please Separate By Commas):

Surface Treatment:

Other (Please Separate By Commas):

Shoulder:

#### Lights (Please Select One):

- HIRL (High Intensity Runway Lights)
- MIRL (Medium Intensity Runway Lights)
- LIRL (Low Intensity Runway Lights)

#### Lights continued (Please Select All That Apply):

- Centerline Lights
- Pilot Controlled
- Non-Standard
- None

Parallel Taxiway:

Weight Bearing Capacity Under Dual Dual Tandem (DDT) Wheel Landing Gear:

Weight Bearing Capacity Under Dual Tandem (DT) Wheel Landing Gear:

Weight Bearing Capacity Under Dual Wheel (DW) Landing Gear:

Weight Bearing Capacity Under Single Wheel (SW) Landing Gear:

Pavement Condition Index:

# Appendix B

## INVENTORY SURVEY



### Inventory On-line Survey (Continued)

Runway End 1 (i.e. 17):

Runway End 1 NAVAIDs (Please Select All That Apply):

- MALS (Medium-Intensity Approach Light System with Rail)
- ODAL (Omnidirectional Approach Light System)
- REIL (Runway End Identifier Lights)
- PAPI (Precision Approach Path Indicator)
- VASI (Visual Approach Slope Indicator)
- Pilot Controlled

Other (Please Separate By Commas):

Runway End 1 Instrument Approach (Please Select All That Apply):

- PI (Precision Instrument)
- APV - LPV - LNAV / VNAV
- APV - RNP
- NPI (Non-Precision Instrument)
- NONE

Runway End 1 Meets Runway Safety Area (RSA) Standards:

Runway End 1 Meets Clear Zone Standards:

Explain Runway 1 RSA and/or Clear Zone Exceptions:

# Appendix B

## INVENTORY SURVEY



### Inventory On-line Survey (Continued)

Runway End 2 (i.e. 35):

**Runway End 2 NAVAIDs (Please Select All That Apply):**

- MALS (Medium-Intensity Approach Light System with Rail)
- ODAL (Omnidirectional Approach Light System)
- REIL (Runway End Identifier Lights)
- PAPI (Precision Approach Path Indicator)
- VASI (Visual Approach Slope Indicator)
- Pilot Controlled

Other (Please Separate By Commas):

**Runway End 2 Instrument Approach (Please Select All That Apply):**

- PI (Precision Instrument)
- APV - LPV - LNAV / VNAV
- APV - RNP
- NPI (Non-Precision Instrument)
- NONE

Runway End 2 Meets Runway Safety Area (RSA) Standards:

Runway End 2 Meets Clear Zone Standards:

Explain Runway 2 RSA and/or Clear Zone Exceptions:

# Appendix B

## INVENTORY SURVEY



### Inventory On-line Survey (Continued)

Minnesota State Aviation System Plan

2011 Minnesota State Aviation System Plan  
Inventory Survey



- GENERAL INFORMATION
- AIRPORT CHARACTERISTICS
- CURRENT AIRPORT USAGE
- SERVICES PROVIDED AT THE AIRPORT
- AIRSIDE FACILITIES
- LANDSIDE FACILITIES**
- CURRENT BASED AIRCRAFT
- CURRENT OPERATIONAL DATA
- AIRPORT TRENDS
- AIRPORT PLANNING
- AIRPORT ADEQUACY
- GENERAL COMMENTS/INFORMATION

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#### 6. Landside Facilities

##### A Air Carrier Terminal:

TOTAL AREA (SQ FT)	YEAR BUILT	LAST MAJOR RENOVATION DATE
<input type="text"/>	<input type="text"/>	<input type="text"/>
NUMBER OF LOADING POSITIONS		
<input type="text"/>		

##### B General Aviation Terminal:

TOTAL AREA (SQ FT)	YEAR BUILT	LAST MAJOR RENOVATION DATE
<input type="text"/>	<input type="text"/>	<input type="text"/>

##### C Administration Building:

TOTAL AREA (SQ FT)	YEAR BUILT	LAST MAJOR RENOVATION DATE
<input type="text"/>	<input type="text"/>	<input type="text"/>

##### D Air Carrier Apron Area:

TOTAL AREA (SQ YDS)

##### E General Aviation Apron Area:

TOTAL AREA (SQ YDS)

##### F Air Cargo Hangar Facilities:

TOTAL AREA (SQ FT)	YEAR BUILT (MOST RECENT)	LAST MAJOR RENOVATION DATE
<input type="text"/>	<input type="text"/>	<input type="text"/>

##### G Air Cargo Warehouse and Office Facilities:

TOTAL AREA (SQ FT)	YEAR BUILT (MOST RECENT)	LAST MAJOR RENOVATION DATE
<input type="text"/>	<input type="text"/>	<input type="text"/>

##### H Air Cargo Apron Facilities:

TOTAL AREA (SQ YDS)

##### I Hangars:

##### T-Hangars:

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## INVENTORY SURVEY



### Inventory On-line Survey (Continued)

Minnesota State Aviation System Plan

NUMBER OF CITY OWNED	NUMBER OF PRIVATELY OWNED
<input type="text"/>	<input type="text"/>

**Conventional Hangars:**

NUMBER OF CITY OWNED	NUMBER OF PRIVATELY OWNED	TOTAL AREA (SQ FT)
<input type="text"/>	<input type="text"/>	<input type="text"/>

IS THERE A WAITING LIST FOR HANGAR SPACE?

IF SO, NUMBER OF AIRCRAFT ON THE LIST

NUMBER OF AIRCRAFT OWNERS ON THE WAIT LIST THAT WOULD PAY MARKET PRICE FOR NEW HANGAR SPACE

**Number of Tie-downs for Transient Aircraft:**

PAVED	UNPAVED
<input type="text"/>	<input type="text"/>

**Number of Tie-downs for Based Aircraft:**

PAVED	UNPAVED
<input type="text"/>	<input type="text"/>

IS THERE A WAITING LIST FOR TIE-DOWNS?

IF SO, NUMBER OF AIRCRAFT ON THE LIST

**J Fuel Type:**

MOGAS CAPACITY (GALLONS)	100LL CAPACITY (GALLONS)	JET A CAPACITY (GALLONS)
<input type="text"/>	<input type="text"/>	<input type="text"/>

**K Perimeter Fencing:**

**L Auto Parking Spaces:**

**Number of Spaces:**

TERMINAL	GA	EMPLOYEE
<input type="text"/>	<input type="text"/>	<input type="text"/>

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# Appendix B

## INVENTORY SURVEY



### Inventory On-line Survey (Continued)

Minnesota State Aviation System Plan

M FBO

Please Add an Entry Below for Each FBO

FBO Name:	
<input type="text"/>	
FBO Contact:	
<input type="text"/>	
FBO Telephone:	
<input type="text"/>	
<input type="text"/>	<input type="text"/>

# Appendix B

## INVENTORY SURVEY



### Inventory On-line Survey (Continued)

Minnesota State Aviation System Plan

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Inventory Survey



GENERAL INFORMATION

AIRPORT CHARACTERISTICS

CURRENT AIRPORT USAGE

SERVICES PROVIDED AT THE AIRPORT

AIRSIDE FACILITIES

LANDSIDE FACILITIES

**CURRENT BASED AIRCRAFT**

CURRENT OPERATIONAL DATA

AIRPORT TRENDS

AIRPORT PLANNING

AIRPORT ADEQUACY

GENERAL COMMENTS/INFORMATION

**Save Data**

**Submit Survey**

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### 7. Current Based Aircraft

Please indicate NUMBER of aircraft:

SINGLE ENGINE PISTON

MULTI-ENGINE PISTON

TURBOPROP

JET

NON-MILITARY HELICOPTER

GLIDER

ULTRALIGHT

MILITARY FIXED WING

MILITARY HELICOPTER

OTHER (INDICATE NUMBER OF AND SPECIFY TYPE(S) SEPARATED BY COMMAS)

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# Appendix B

## INVENTORY SURVEY



### Inventory On-line Survey (Continued)

Minnesota State Aviation System Plan

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- GENERAL INFORMATION
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- AIRSIDE FACILITIES
- LANDSIDE FACILITIES
- CURRENT BASED AIRCRAFT
- CURRENT OPERATIONAL DATA**
- AIRPORT TRENDS
- AIRPORT PLANNING
- AIRPORT ADEQUACY
- GENERAL COMMENTS/INFORMATION

#### 8. Current Operational Data

Definition of Operation: an aircraft takeoff or a landing.

BUSIEST MONTH FOR AIRPORT OPERATIONS	TYPICAL PEAK HOUR NUMBER OF OPERATIONS IN BUSIEST MONTH
<input type="text"/>	<input type="text"/>

NUMBER OF OPERATIONS ON BUSIEST DAY	NUMBER OF ANNUAL OPERATIONS (2010)
<input type="text"/>	<input type="text"/>

Estimated percentage of annual airport operations (100%)

LOCAL	ITINERANT
<input type="text"/>	<input type="text"/>

Estimated percentage of annual airport operations (100%)

BUSINESS	LEISURE	FLIGHT TRAINING
<input type="text"/>	<input type="text"/>	<input type="text"/>

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## INVENTORY SURVEY



### Inventory On-line Survey (Continued)

**9. AIRPORT TRENDS**

a. Over the last five years, describe the general trends experienced in the following categories:

	Significant Increase	Increase	About the Same	Decrease	Significant Decrease
Level of Commercial Passenger Activity	_____	_____	_____	_____	_____
Level of Cargo Activity	_____	_____	_____	_____	_____
Level of GA Business/Corporate Activity	_____	_____	_____	_____	_____
Level of GA Training/Student Activity	_____	_____	_____	_____	_____
Level of GA Recreational Activity	_____	_____	_____	_____	_____

b. Over the next five years, describe anticipated trends in the following categories:

	Significant Increase	Increase	About the Same	Decrease	Significant Decrease
Level of Commercial Passenger Activity	_____	_____	_____	_____	_____
Level of Cargo Activity	_____	_____	_____	_____	_____
Level of GA Business/Corporate Activity	_____	_____	_____	_____	_____
Level of GA Training/Student Activity	_____	_____	_____	_____	_____
Level of GA Recreational Activity	_____	_____	_____	_____	_____

# Appendix B

## INVENTORY SURVEY



### Minnesota State Aviation System Plan Inventory On-line Survey (Continued)

2011 Minnesota State Aviation System Plan  
Inventory Survey



- GENERAL INFORMATION
- AIRPORT CHARACTERISTICS
- CURRENT AIRPORT USAGE
- SERVICES PROVIDED AT THE AIRPORT
- AIRSIDE FACILITIES
- LANDSIDE FACILITIES
- CURRENT BASED AIRCRAFT
- CURRENT OPERATIONAL DATA
- AIRPORT TRENDS
- AIRPORT PLANNING**
- AIRPORT ADEQUACY
- GENERAL COMMENTS/INFORMATION

**Save Data**

**Submit Survey**

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### 10. Airport Planning

CURRENT AIRPORT IMPROVEMENTS UNDERWAY

CONSTRAINTS TO FUTURE AIRPORT EXPANSION (ZONING, ENVIRONMENTAL CONCERNS, LOCAL LAWS, ORDINANCES, ETC.)

#### Airport Master Plan

PLAN IS UNDERWAY:

APPROVAL DATE

#### Airport Layout Plan

PLAN IS UNDERWAY:

APPROVAL DATE

#### Airport Safety Zoning Ordinance

ORDINANCE IS UNDERWAY:

APPROVAL DATE

IS THE APPROVED ORDINANCE ZONED FOR (please select all that apply):

- EXISTING RUNWAY(S)
- PROPOSED RUNWAY(S)
- ULTIMATE RUNWAY(S)

#### Municipal Comprehensive Plan

PLAN IS UNDERWAY:

APPROVAL DATE

DOES PLAN COORDINATE WITH AIRPORT ZONING:

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# Appendix B

## INVENTORY SURVEY



### Inventory On-line Survey (Continued)

Minnesota State Aviation System Plan

STRENGTHS OF AIRPORT IN TERMS OF ITS CURRENT AND FUTURE STATUS WITHIN MINNESOTA'S SYSTEM OF AIRPORTS

---

WEAKNESSES THAT LIMIT AIRPORT'S PRESENT AND FUTURE DEVELOPMENT

OPPORTUNITIES THAT COULD ENHANCE THE ROLE PLAYED BY THE AIRPORT

---

THREATS THAT COULD JEOPARDIZE THE AIRPORT'S ABILITY TO EFFECTIVELY FULFILL ITS MISSION

# Appendix B

## INVENTORY SURVEY



### Inventory On-line Survey (Continued)

#### 11. AIRPORT ADEQUACY

Note the Adequacy of the Following.

Please Note "Not Applicable" as appropriate and provide additional explanations in Section 12 General Comments/Information.

	Totally Adequate	Reasonably Adequate	Neutral	Somewhat Inadequate	Totally Inadequate
Runway Length					
Runway Width					
Airfield Pavement Condition					
Runway Instrumentation					
Taxiway Layout					
Taxiway Width					
Taxiway Pavement Condition					
Airfield Lighting					
Airfield Signage					
Airfield Capacity					
Aircraft Parking/Storage Capacity					
Auto Parking					
Taxi Service					
Rental Car Service					
Availability of Courtesy Car					
Surface Access					
Integration of Multi-Modal Transportation Modes					
Terminal/FBO Size					
Terminal/FBO Condition					
Aviation Fuel Storage Capacity					
Minimal Air Traffic Conflicts					
Minimal Airspace Conflicts					

# Appendix B

## INVENTORY SURVEY



### Inventory On-line Survey (Continued)

Minnesota State Aviation System Plan

2011 Minnesota State Aviation System Plan  
Inventory Survey



GENERAL INFORMATION

AIRPORT CHARACTERISTICS

CURRENT AIRPORT USAGE

SERVICES PROVIDED AT THE AIRPORT

AIRSIDE FACILITIES

LANDSIDE FACILITIES

CURRENT BASED AIRCRAFT

CURRENT OPERATIONAL DATA

AIRPORT TRENDS

AIRPORT PLANNING

AIRPORT ADEQUACY

**GENERAL COMMENTS/INFORMATION**

### 12. General Comments/Information

PLEASE PROVIDE ANY ADDITIONAL COMMENTS AND/OR INFORMATION HERE:

Save Data

Submit Survey

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