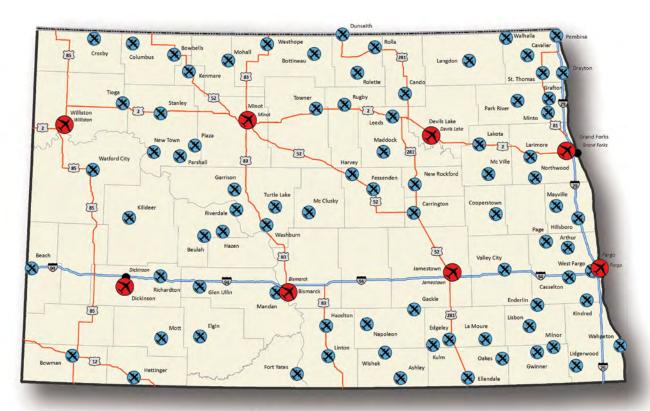




#### **North Dakota Aeronautics Commission**

PO Box 5020 • Bismarck, ND 58502 701.328.9650 ndaero@nd.gov www.aero.nd.gov







## Public Airports in North Dakota



Greetings and welcome to the skies of North Dakota!

This directory contains aeronautical information for each of our state's 89 public-use airports. Due to information changing over time, this document is meant to be used as an aid and not as the sole use of information when flight planning. We encourage pilots to refer to the current FAA Airman's Information Manual, the FAA's Airport Facility Directory, and up-to-date airport NOTAMS prior to each flight. It is also recommended to contact the airport operator to confirm

the current airport conditions and available services.

I also encourage you to take a tour of the North Dakota Aeronautics Commission's website which provides a broad array of aeronautical information and a calendar that tracks in-state aviation related events and opportunities. Additionally, we hope that you consider creating lasting memories of your own by picking up one of our "Fly ND" passport books to collect stamps as you visit our different airports.

From all of us at the North Dakota Aeronautics Commission, we wish you the very best of what our incredible state has to offer

Stay safe and enjoy,

Kyle T. Manner

Kyle C. Wanner Executive Director

#### COPIES OF THIS DIRECTORY ARE AVAILABLE BY WRITING OR CALLING:



North Dakota Aeronautics Commission P.O. Box 5020 Bismarck, North Dakota 58502-5020 TEL: (701) 328-9650 FAX: (701) 328-9656

E-mail: ndaero@nd.gov Visit our website: http://aero.nd.gov



#### AMENITIES LISTED FOR EACH AIRPORT



WX Directory Lounge Maintenance Hanger Courtesy Car WiFi



## FLY North Dakota AIRPORTS!

North Dakota's passport program rewards pilots who fly to North Dakota's publicallyowned airports, attend FAA safety seminars, and visit North Dakota's aviation museums. Fly North Dakota airports promotes safety and education, and encourages pilots to



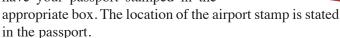
Create a Flying
in North Dakota

practice approaches and landings in many different environments. It's also a great way to support general aviation airports, businesses, and tourism. Just visit one of the places or events listed in our passports, and have your passport stamped in the appropriate box. It's as easy as that!

#### HOW TO PARTICIPATE.

Get a Fly North Dakota Airports Passport at your local publically-owned airport or by contacting the North Dakota Aeronautics Commission. If you prefer to participate in the passport program using a mobile device, visit our website to learn more about the digital passport option

Fill in the page at the front of your passport with your name and contact information. Each time you visit a North Dakota publically-owned airport, aviation museum, or participating FAA safety seminar, have your passport stamped in the



When you have earned the proper number of stamps, submit your passport (they will be returned) to the North Dakota Aeronautics Commission, P.O. Box 5020, Bismarck, ND 58502. Phone: (701) 328-9650. Email: ndaero@nd.gov

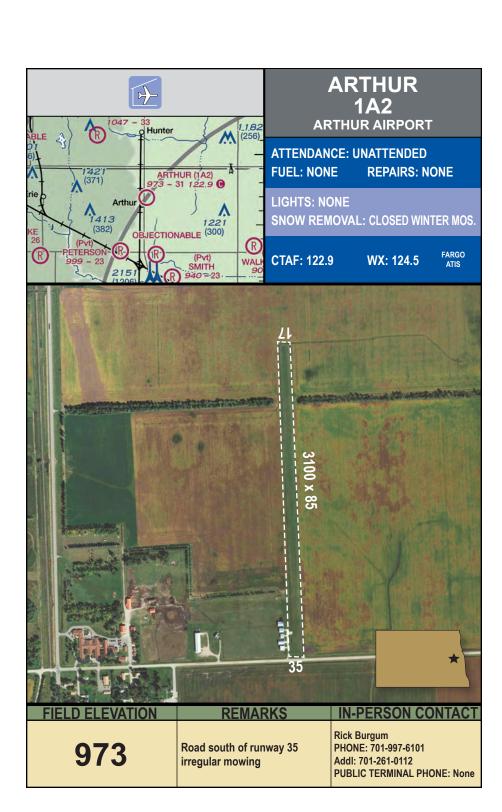
Visit a community event or attraction by searching NDtourism.com



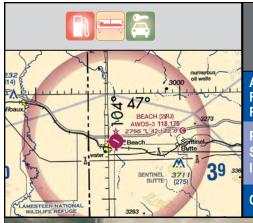
or call 1-800-HELLO-ND on your legacy flight! Each airport box in the Passport has an attraction listed.



**North Dakota Airport Association** 







## **BEACH 20U** BEACH AIRPORT

ATTENDANCE: UNATTENDED/ON CALL FUEL: 100LL, JET A-Self Serve

**REPAIRS: NONE** 

**Pilot Controlled Lights: CTAF** 

**SNOW REMOVAL:** Confirm after storm **Instrument Approach: Non-Precision** 

CTAF: 122.8 WX: 118.175



2756

AWOS Phone: 701-872-9225

**Karl Davis** PHONE: 256-496-1978

PUBLIC TERMINAL PHONE: Yes



## BEULAH 95D

BEULAH MUNICIPAL

ATTENDANCE: UNATTENDED / ON CALL **FUEL: CALL AHEAD - 100LL JETA REPAIRS: MAJOR** 

**Pilot Controlled Lights: CTAF** 

**SNOW REMOVAL: Confirm after storm** 

CTAF: 122.9 WX: 118.675 HAZEN



# 1791

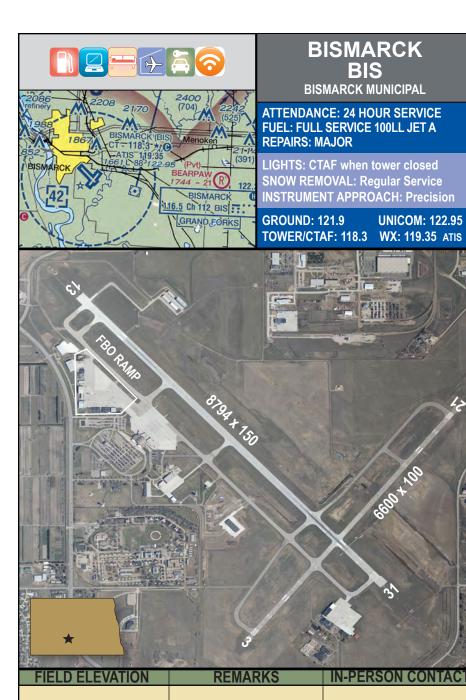
#### Unlighted Stacks 600' Agl-6 miles N. Lighted Stack 498' Agl-1.8 nm south. Code for terminal: 1229.

Courtesy car inside shop. Call: 701-873-4100 for fuel

#### **IN-PERSON CONTAC**

Shawn Morten PHONE: 701-873-4100 Addl: 701-873-2259

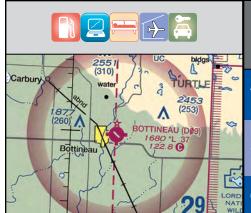
**PUBLIC TERMINAL PHONE: Yes** 



1661

AWOS Phone: 701-255-7563.

Greg Haug PHONE: 701-355-1808 PUBLIC TERMINAL PHONE: Yes



## BOTTINEAU D09

**BOTTINEAU MUNICIPAL** 

ATTENDANCE: ON CALL

FUEL: 100LL-Call Ahead REPAIRS: NONE

**Pilot Controlled Lights: CTAF** 

SNOW REMOVAL: Confirm after storm Instrument Approach: Non-Precision

CTAF: 122.8 WX: 118.25



1680

3/21 Closed Winter Months AWOS Phone: 701-228-2688 Leo Jostad / Chuck Refling PHONE: 701-871-2096 Addl: 701-228-2236 PUBLIC TERMINAL PHONE: Yes

# Bowbells 2912 (441)Coteau . 2524

# BOWBELLS 5B4

**BOWBELLS MUNICIPAL** 

ATTENDANCE: UNATTENDED

**FUEL: NONE** 

**REPAIRS: NONE** 

LIGHTS: NONE

SNOW REMOVAL: Call after storm

**CTAF: 122.9** 

WX: 118.575

TIOGA



1955

Standing water after rain. Confirm runway condition prior

to use.

Additional: 701-377-2608

Wayne Jacobson PHONE: 701-377-2731 701-339-1574





## CANDO 9D7

CANDO MUNICIPAL

ATTENDANCE: UNATTENDED
FUEL: NONE REPAIRS: NONE

Pilot Controlled Lights: CTAF SNOW REMOVAL: Confirm after storm Instrument Approach: non-precision

CTAF: 122.9 WX: 118.325



#### FIELD ELEVATION

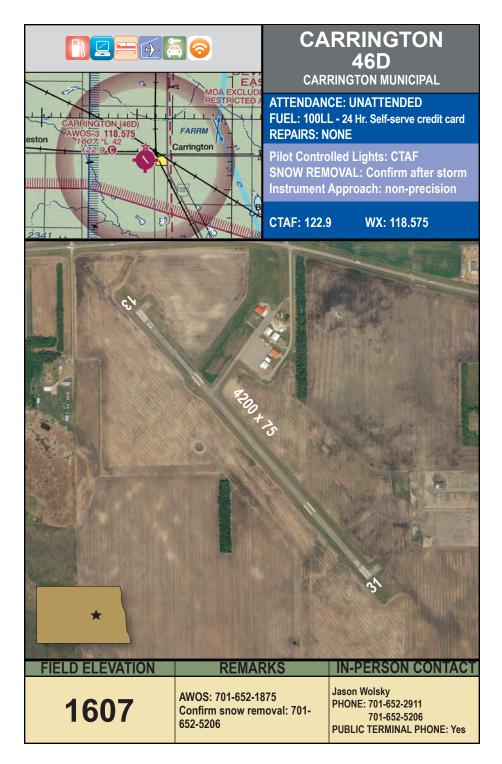
#### REMARKS

#### IN-PERSON CONTACT

1482

AWOS: 701-968-3625. Contact airport manager for vehicle access. Rollie Bjornstad PHONE: 701-739-8026 701-303-0499

PUBLIC TERMINAL PHONE: NONE





## CASSELTON 5N8

ROBERT MILLER REGIONAL

ATTENDANCE: MON-FRI 8AM-5PM FUEL: 100LL Self service credit card REPAIRS: MAJOR

**Pilot Controlled Lights: CTAF** 

SNOW REMOVAL: Confirm after storm Instrument Approach: Non-Precision

CTAF: 122.8 WX: 124.5 FARGO



#### FIELD ELEVATION

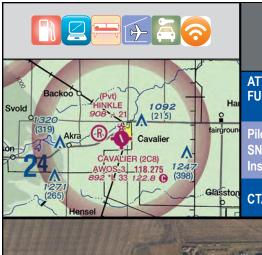
#### **REMARKS**

#### IN-PERSON CONTACT

933

Confirm winter conditions: 701-347-4680. www.Casselton.com/airport

Robert Miller PHONE: 701-347-0201 ADDL. PHONE: 701-347-5519 PUBLIC TERMINAL PHONE: Yes



## CAVALIER 2C8

**CAVALIER MUNICIPAL** 

ATTENDANCE: ON CALL FUEL: 100LL, JETA Self Service

Credit Card REPAIRS: MAJOR

**Pilot Controlled Lights: CTAF** 

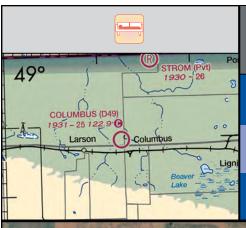
SNOW REMOVAL: Confirm after storm Instrument Approach: Non-Precision

CTAF: 122.8 WX: 118.275



892

AWOS: 701-265-8050. Ry 34 - 31' powerline 1300' from threshold. Elevator SE of centerline. Harold McConnell PHONE: 701-520-8631 ADDL. PHONE: 701-520-5066 PUBLIC TERMINAL PHONE: Yes



## COLUMBUS D49

COLUMBUS MUNICIPAL

ATTENDANCE: UNATTENDED

FUEL: NONE REPAIRS: NONE

LIGHTS: Reflectors

SNOW REMOVAL: Confirm after storm

CTAF: 122.9 WX: 118.025 CROSBY



FIELD ELEVATION REMARKS IN-PERSON CONTACT

1931

Call for grass mowing.

Rich Castell - Manager PHONE: 701-216-0030 ADDL. PHONE: 701-939-7831 PUBLIC TERMINAL PHONE: No



### COOPERSTOWN S32

COOPERSTOWN MUNICIPAL

ATTENDANCE: On Call

FUEL: 100LL - Self-service credit card

**REPAIRS: NONE** 

**Pilot Controlled Lights: CTAF** 

SNOW REMOVAL: Confirm after storm Instrument Approach: non-Precision

CTAF: 122.9 WX: 118.75

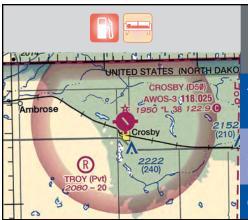


1424

AWOS: 701-797-2566 May-Sept. M-F 8am-5pm Oct.-April On Call

Loran Anderson PHONE: 701-309-1201

**PUBLIC TERMINAL PHONE: Yes** 



## CROSBY D50

**CROSBY MUNICIPAL** 

ATTENDANCE: UNATTENDED
FUEL: 100LL - Self Service Credit Card
REPAIRS: NONE

Pilot Controlled Lights: CTAF SNOW REMOVAL: Confirm after storm Instrument Approach: Non-Precision

CTAF: 122.9 WX: 118.025



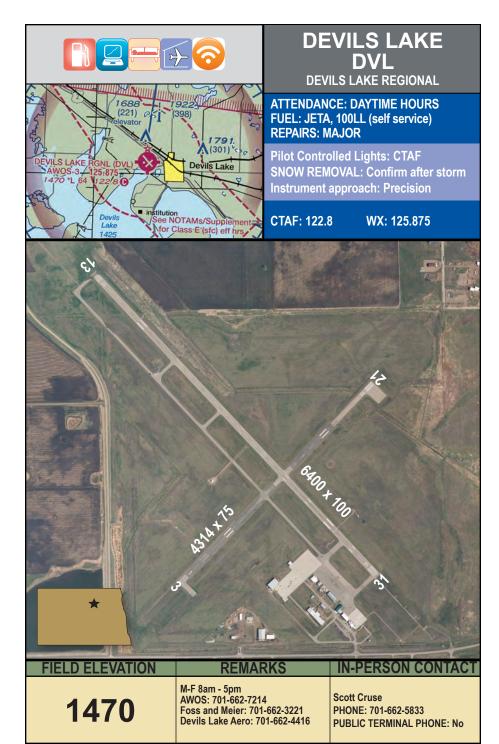
#### FIELD ELEVATION

#### **REMARKS**

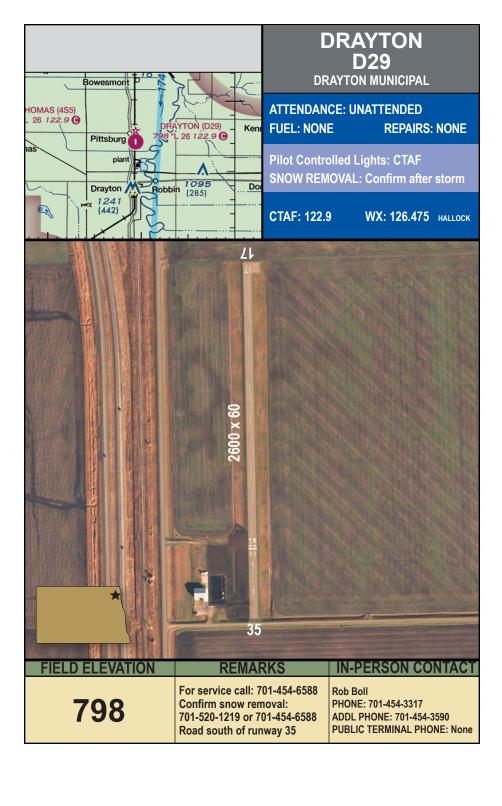
### **IN-PERSON CONTACT**

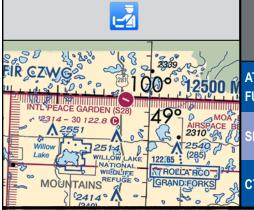
1950

Runway 3-21 closed winter mos. AWOS: 701-965-6732 Traffic Pattern: 2750. Mike Melby -Chairman PHONE: 701-570-0944 ADDL. PHONE: 701-965-6512 PUBLIC TERMINAL PHONE: Yes









## DUNSEITH S28

INTERNATIONAL PEACE GARDEN

ATTENDANCE: UNATTENDED

**FUEL: NONE** 

**REPAIRS: NONE** 

**SNOW REMOVAL: REGULAR** 

**CTAF: 122.8** 

WX: 118.125 ROLLA



FIELD ELEVATION

**REMARKS** 

**IN-PERSON CONTAC** 

2316

Unattended US Customs: 701-263-4513 Canadian Customs: 204-534-6820 Kyle Wanner PHONE 701-328-9650 ADDL. PHONE: 701-425-5926 PUBLIC TERMINAL PHONE: None



## **EDGELEY** 51D

**EDGELEY MUNICIPAL** 

ATTENDANCE: UNATTENDED FUEL: 100LL & JET A - Self Service Credit Card **REPAIRS: NONE** 

**Pilot Controlled Lights: CTAF** Instrument Approach: non-precision

**CTAF: 122.8** WX: 118.675



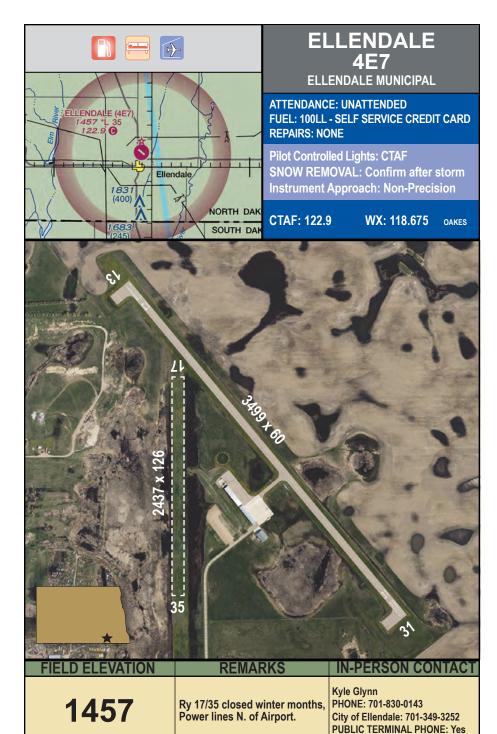
1604

Confirm snow removal Heated Hanger available for transient aircraft.

Dave Lux

PHONE: 701-320-8740 ADDL PHONE: 701-709-0114 PUBLIC TERMINAL PHONE: Yes







## ENDERLIN 5N4

SKY HAVEN

ATTENDANCE: UNATTENDED FUEL: 100LL Self Service REPAIRS: NONE

Pilot Controlled Lights: CTAF

SNOW REMOVAL: Confirm after storm

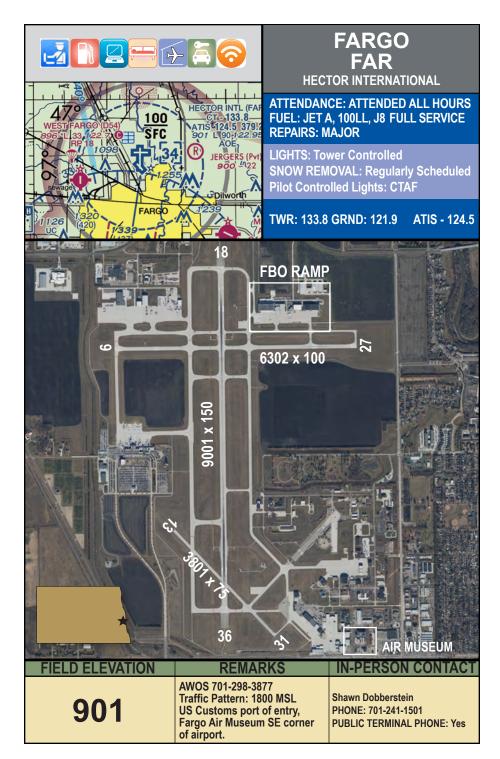
CTAF: 122.9 WX: 118.325 GWINNER

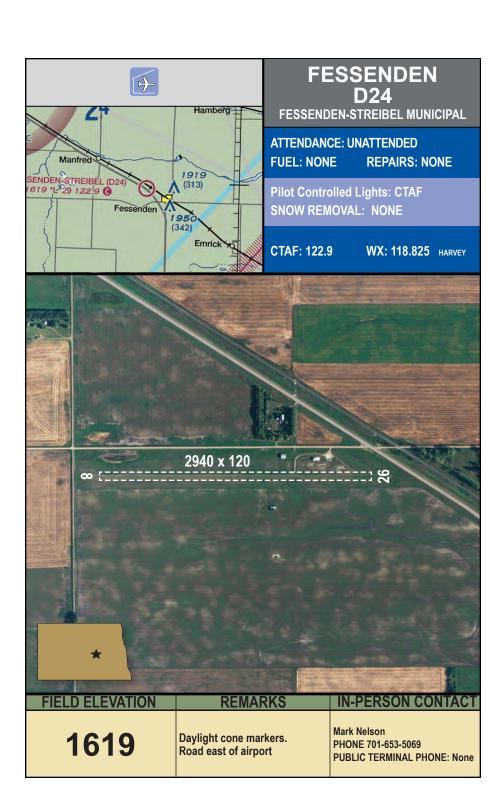


1151

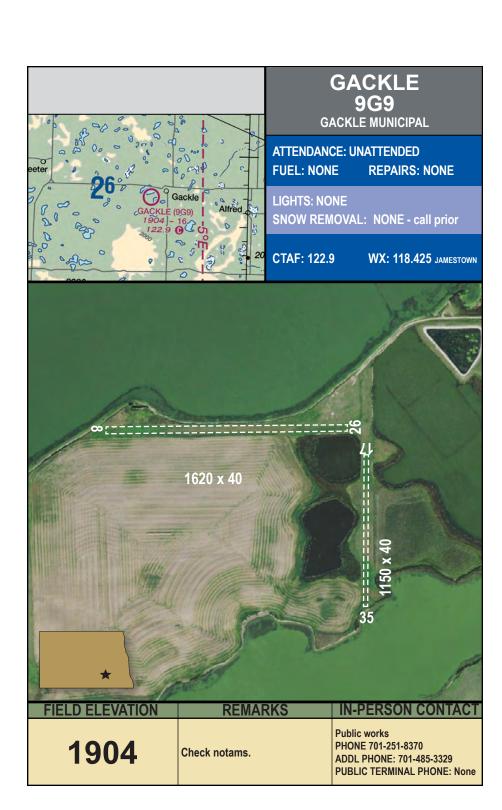
Traffic Pattern: 1800 Electric hookups available for winter ops Bobby Geske PHONE 701-799-6082

ADDL PHONE: 701-437-3437 PUBLIC TERMINAL PHONE: Yes





# **FORT YATES** STANDING ROCK Lake Oahe 1608 ATTENDANCE: UNATTENDED **^** 2194 (259) **FUEL: NONE REPAIRS: NONE** Fort Yates STANDING ROCK (Y.27) 1633 \*L 37 122.9 0 **Pilot Controlled Lights: CTAF SNOW REMOVAL: Confirm after storm** CTAF: 122.9 WX: 118.175 LINTON FIELD ELEVATION REMARKS Larissa Young Emergency Contact: Harold Tiger Phone: 701-920-0606 1633 PHONE: 701-301-7463 ADDL PHONE: 701-854-8500 ext 7002 **PUBLIC TERMINAL PHONE: None**





## GARRISON D05

GARRISON MUNICIPAL

ATTENDANCE: UNATTENDED
FUEL: 100LL - Self Service Credit Card

**REPAIRS: NONE** 

**Pilot Controlled Lights: CTAF** 

SNOW REMOVAL: Confirm after storm Instrument Approach: Non-Precision

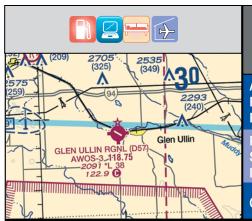
CTAF: 122.9 WX: 118.675 HAZEN



1936

RY 3/21 closed in winter.

Jim Wilcox- Chairman PHONE: 701-301-1055 ADDL PHONE: 701-463-2600 City PUBLIC TERMINAL PHONE: Yes



## GLEN ULLIN D57

**GLEN ULLIN REGIONAL** 

ATTENDANCE: UNATTENDED
FUEL: 100LL - Self-service credit card
REPAIRS: NONE

Pilot Controlled Lights: CTAF SNOW REMOVAL: Confirm after storm Instrument Approach: non-Precision

CTAF: 122.9 WX: 118.75



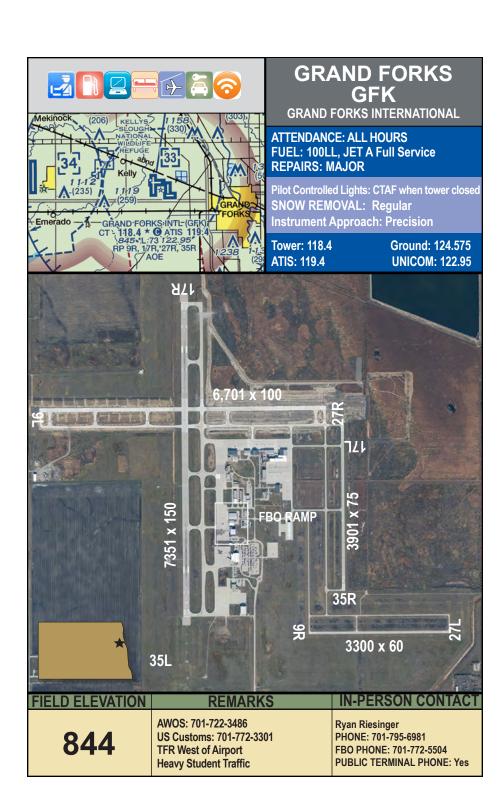
2091

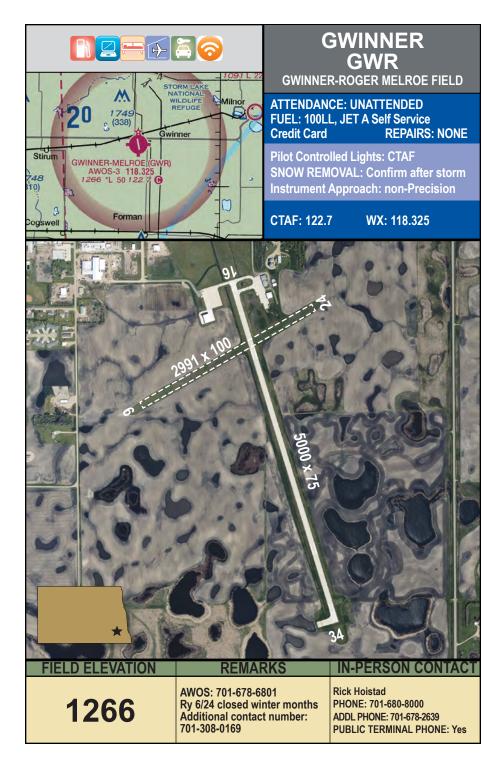
AWOS: 701-348-9581 Hangar space available, call ahead.

Gene Glasser PHONE 701-226-1147 ADDL PHONE: 701-226-7994

ADDL PHONE: 701-226-7994 PUBLIC TERMINAL PHONE: Yes









# **HARVEY** 5H4

HARVEY MUNICIPAL

ATTENDANCE: UNATTENDED

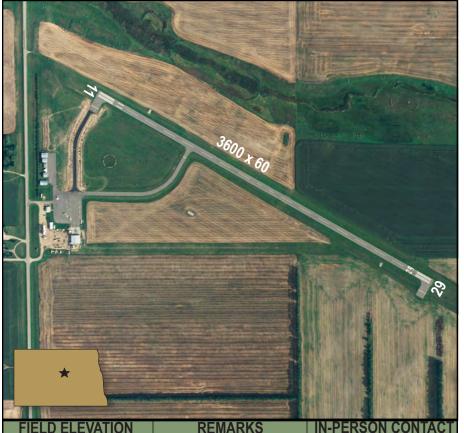
FUEL: 100LL - Self Service Credit Card

**REPAIRS: NONE** 

**Pilot Controlled Lights: CTAF** 

SNOW REMOVAL: Regular- confirm **Instrument Approach: non-precision** 

CTAF: 122.8 WX: 118.825



REMARKS

Shari Nyhus - Chairperson

1607

AWOS: 701-324-2058

PHONE: 701-324-2000 ADDL PHONE: 701-324-4137 **PUBLIC TERMINAL PHONE: None** 





## HAZEN HZE

MERCER COUNTY REGIONAL

ATTENDANCE: UNATTENDED
FUEL: 100LL JETA - Self Service Credit Card
REPAIRS: MINOR

Pilot Controlled Lights: CTAF SNOW REMOVAL: Confirm after storm Instrument Approach: non-Precision

CTAF: 122.8 WX: 118.675



GRAND'FORKS

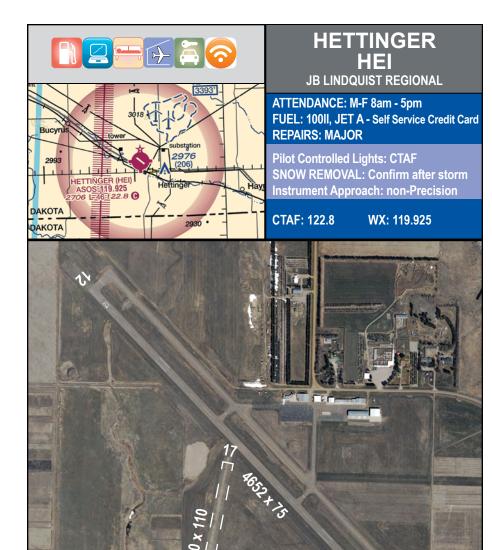
#### FIELD ELEVATION

#### REMARKS

#### IN-PERSON CONTACT

1814

AWOS: 701-748-2443. Fuel- self-service credit card. Call ahead for hangar Steve Frovarp PHONE 701-880-0042 ADDL PHONE: 701-748-2550 PUBLIC TERMINAL PHONE: Yes



FIELD ELEVATION

REMARKS

IN-PERSON CONTACT

2

2705

AWOS: 701-567-4594.

Chuck Lindquist PHONE: 701-928-0615 ADDL PHONE: 701-928-4469 PUBLIC TERMINAL PHONE: No



# HILLSBORO 3H4

HILLSBORO REGIONAL

ATTENDANCE: MON-FRI 8am-5pm FUEL: 100LL - Self Service Credit Card REPAIRS: MAJOR

ILLI AIRO. MAJOR

Pilot Controlled Lights: CTAF SNOW REMOVAL: Confirm after storm Instrument Approach: Non-Precision

CTAF: 122.9 WX: 124.5 GFK ATIS



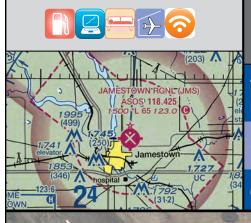
#### FIELD ELEVATION

#### **REMARKS**

#### IN-PERSON CONTACT

906

Call for winter conditions: 701-400-1113 flyhillsboro.org Devon Cote PHONE 701-436-6167 ADDL PHONE: 701-400-1113 FBO PUBLIC TERMINAL PHONE: Yes



1499

# JAMESTOWN JMS

JAMESTOWN REGIONAL

ATTENDANCE: Mon-Fri 8am-5pm FUEL: 100LL, JETA - Self Service Credit Card REPAIRS: MAJOR

Pilot Controlled Lights: CTAF SNOW REMOVAL: Regular Instrument Approach: Precision

CTAF: 123.0 WX: 118.425

PHONE: 701-252-6466
PUBLIC TERMINAL PHONE: No



AWOS: 701-251-9002



1962

# KENMARE 7K5

KENMARE MUNICIPAL

ATTENDANCE: UNATTENDED

FUEL: 100LL - Self Service Credit Card REPAIRS: NONE

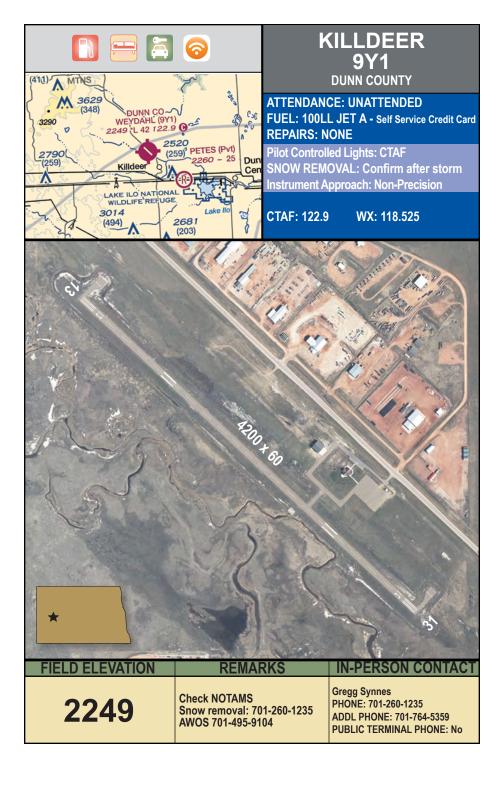
**Pilot Controlled Lights: CTAF** 

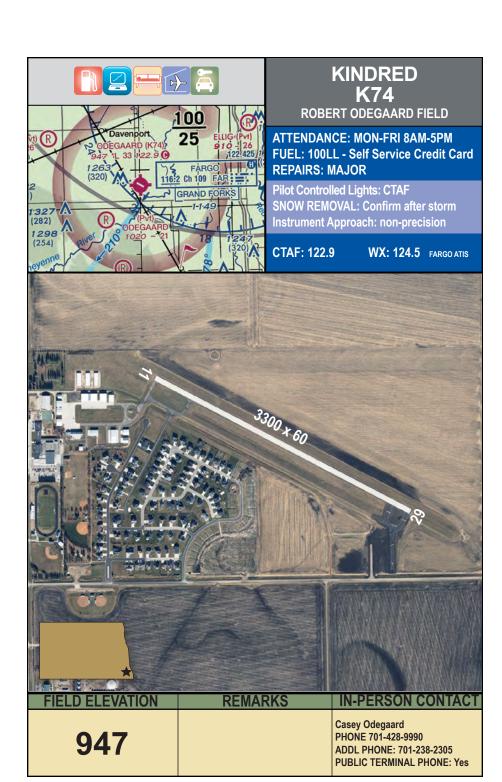
SNOW REMOVAL: Confirm after storm Instrument Approach: Non-Precision

CTAF: 122.8 WX: 121.1 STANLEY

PHONE 701-848-6160 ADDL PHONE: 701-848-6116 PUBLIC TERMINAL PHONE: Yes









# KULM D03

**KULM MUNICIPAL AIRPORT** 

ATTENDANCE: UNATTENDED

FUEL: NONE REPAIRS: NONE

**LIGHTS: LOW** 

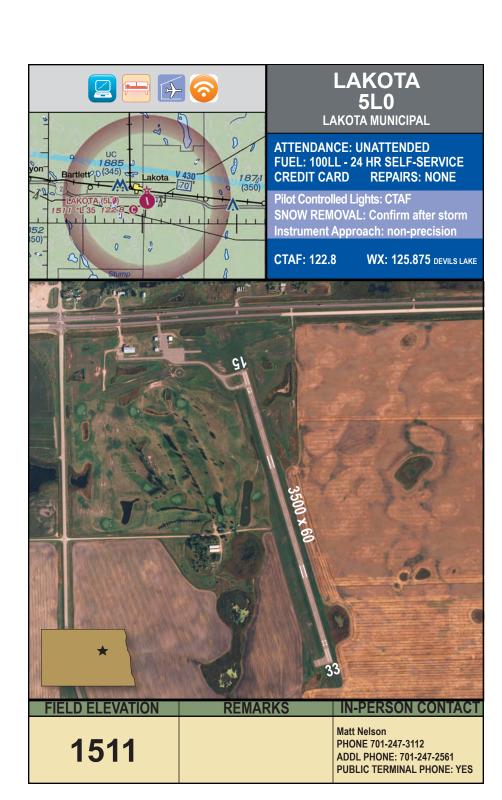
**SNOW REMOVAL: Confirm after storm** 

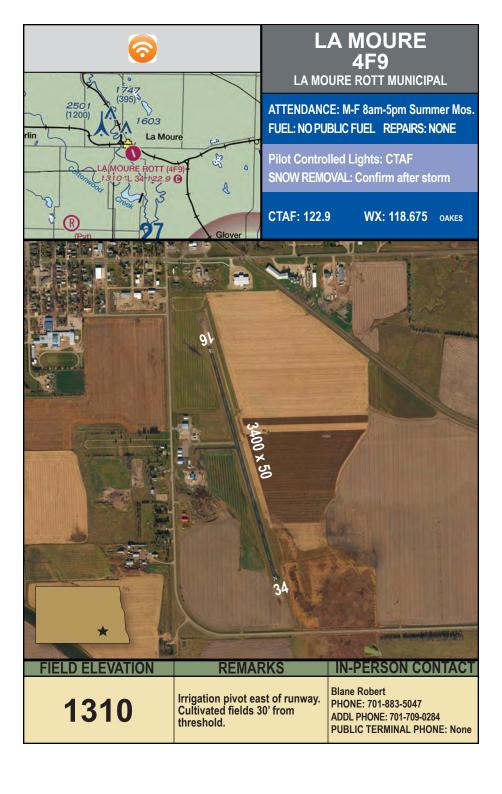
CTAF: 122.9 WX: 118.675 OAKES



1959

Call ahead for car. Mike: 701-830-0292 Jess: 701-830-2218 Lorence Holmgren PHONE: 701-830-2205 PUBLIC TERMINAL PHONE: YES







# LANGDON D55

**ROBERTSON FIELD** 

ATTENDANCE: MON-FRI 8AM-5PM FUEL: 100LL Self Service Credit Card REPAIRS: NONE

Pilot Controlled Lights: CTAF SNOW REMOVAL: Confirm after storm Instrument Approach: non-Precision

CTAF: 122.8 WX: 118.225



#### FIELD ELEVATION

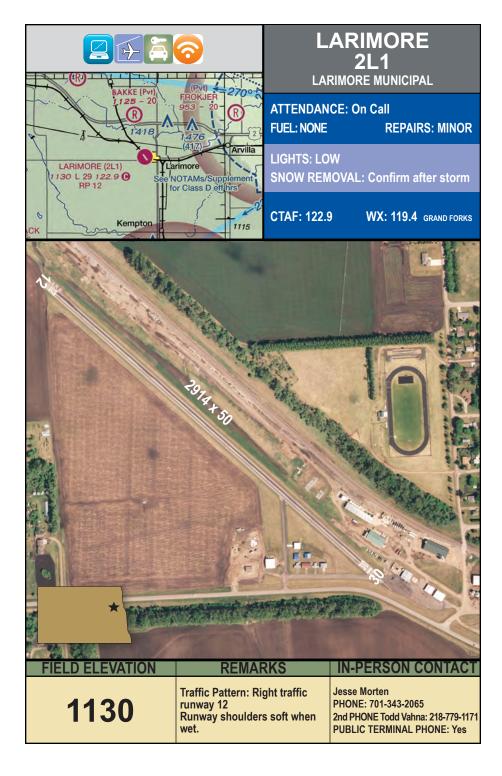
1608

#### REMARKS AWOS: 701-256-2121

Runway 8/26 closed winter mos. Noise sensitive area NW of field; avoid overflight. Midfield taxiway closed.

#### IN-PERSON CONTACT

Ryan Howatt PHONE 701-370-9710 ADDL PHONE: 701-256-3639 PUBLIC TERMINAL PHONE: NO





# LIDGERWOOD 4N4 LIDGERWOOD MUNICIPAL ATTENDANCE: UNATTENDED **FUEL: NONE REPAIRS: NONE LIGHTS: NONE** 149 (270) **SNOW REMOVAL: NONE** 000 3 9300 · **CTAF: 122.9 WX: 118.325** GWINNER

FIELD ELEVATION REMARKS IN-PERSON CONTACT

1081

Closed winter months. Steep drop - water on both sides of runway. Scott Wettstein PHONE: 701-640-1568 PUBLIC TERMINAL PHONE: None



Strasburg

# LINTON 7L2

LINTON MUNICIPAL

ATTENDANCE: MON-FRI 8-5PM /ON CALL FUEL: 100LL, JET A - Self Service Credit Card REPAIRS: NONE

**Pilot Controlled Lights: CTAF** 

SNOW REMOVAL: Confirm after storm Instrument Approach: non-Precision

CTAF: 122.9 WX: 118.175



1778

AWOS: 701-254-4965

PHONE 701-254-5449 ADDL PHONE: 701-321-0913 PUBLIC TERMINAL PHONE: Yes



# LISBON 6L3

LISBON MUNICIPAL

ATTENDANCE: On Call

FUEL: 100LL - Self Service Credit Card REPAIRS: NONE

Pilot Controlled Lights: CTAF

SNOW REMOVAL: Confirm after storm Instrument Approach: non-Precision

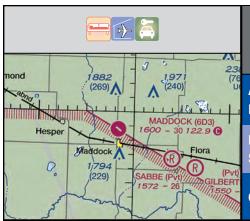
CTAF: 122.9 WX: 118.325 GWINNER



1241

Ry 03/21 closed winter months.

Ben Halstenson PHONE: 701-739-5463



# MADDOCK 6D3

MADDOCK MUNICIPAL

ATTENDANCE: ON CALL

**FUEL: NONE** 

**REPAIRS: NONE** 

PILOT CONTROLLED LIGHTS: CTAF

SNOW REMOVAL: Confirm after storm

CTAF: 122.9

WX: 118.825

118.825 HARVEY



#### **FIELD ELEVATION**

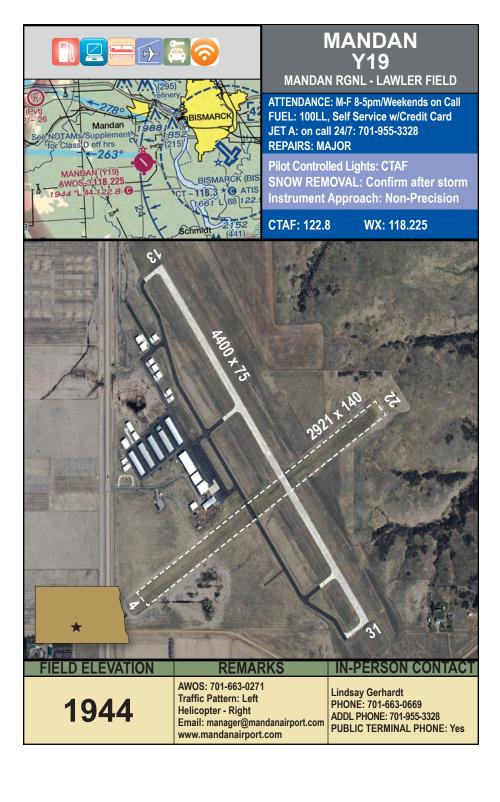
#### REMARKS

#### **IN-PERSON CONTACT**

1600

Public apron & hangar to Southwest. Private spray pad North. Call ahead for car.100 LL & Jet A available for emergency situations. Contact 701-739-4875

Richard Slater PHONE: 701-739-4875 ADDL PHONE: 701-438-2444 PUBLIC TERMINAL PHONE: None





# MAYVILLE D56

MAYVILLE MUNICIPAL

ATTENDANCE: M-F 8-5 SUMMER/ON CALL WINTER FUEL: NONE REPAIRS: NONE

Pilot Controlled Lights: CTAF

**SNOW REMOVAL: Confirm after storm** 

CTAF: 122.8 WX: 119.4 GRAND FORKS



FIELD ELEVATION

REMARKS

IN-PERSON CONTACT

977

Lance Fugleberg
PHONE 701-361-0330
ADDL PHONE: 701-786-4240
PUBLIC TERMINAL PHONE: NO

# **MCCLUSKY** MCCLUSKY MUNICIPAL 2158 ATTENDANCE: UNATTENDED **FUEL: NONE REPAIRS: NONE** MC CLUSKY (7G2) LIGHTS: NONE Pickardville **SNOW REMOVAL: NONE** DOCUMENTAL DESCRIPTION OF STREET CTAF: 122.9 (260)WX: 118.825 HARVEY 2334

REMARKS

Runway turf has numerous

grass clumps

**IN-PERSON CONTACT** 

**PUBLIC TERMINAL PHONE: None** 

Jerry Kitto

PHONE: 701-220-4365

FIELD ELEVATION

1900

# Pekin (297) Pekin (297) Pekin (297) WC VILLE (8M6) 1473 \*L 25 122.9 © water Kloten

# MCVILLE 8M6

MCVILLE MUNICIPAL

ATTENDANCE: UNATTENDED FUEL: NONE REPAIRS: NONE

Pilot Controlled Lights: LOW-CTAF SNOW REMOVAL: Confirm after storm

CTAF: 122.9 WX: 118.75 COOPERSTOWN



FIELD ELEVATION

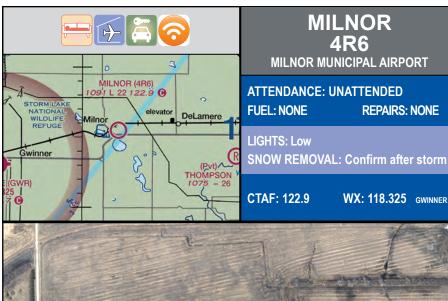
REMARKS

IN-PERSON CONTAC

1473

No lighting 18/36

Chanda Arneson PHONE 701-322-4343 ADDL PHONE: 701-210-2819 PUBLIC TERMINAL PHONE: None



**REPAIRS: NONE** 

WX: 118.325 GWINNER



1091

Fuel available for emergency. Contact manager. Turbulence due to trees N/S of runway. www.milnorairport.com

Mark Gainor PHONE: 701-680-1001 ADDL PHONE: 701-680-1146 **PUBLIC TERMINAL PHONE: Yes** 



# MINOT MOT

MINOT INTERNATIONAL

ATTENDANCE: 24-HOUR SERVICES FUEL: 100LL, JET A-Full Service REPAIRS: MAJOR

Pilot Controlled Lights: CTAF/ Tower Controlled SNOW REMOVAL: Regular 24-hr Service Instrument Approach: Precision

GROUND 121.9 TOWER/CTAF: 118.2 WX: 118.725 UNICOM: 122.95



FIELD ELEVATION

1715

US Customs: 701-838-6704.

Dakota territory Air Museum north end of field, www.MOTairport.com

ATC HOURS: 0700-2200 ASOS: 701-837-9379

#### IN-PERSON CONTACT

Jennifer Eckman PHONE 701-857-4724 PUBLIC TERMINAL PHONE: Yes





# MOHALL HBC

MOHALL MUNICIPAL

ATTENDANCE: ON CALL

FUEL: 100LL, JET A - Self Service Credit Card

**REPAIRS: NONE** 

**Pilot Controlled Lights: CTAF** 

SNOW REMOVAL: Confirm after storm Instrument Approach: Non-Precision

CTAF: 122.8 WX: 118.725 MINOT



FIELD ELEVATION

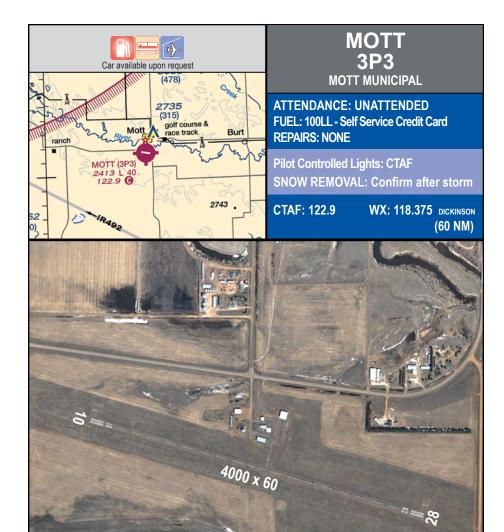
REMARKS

IN-PERSON CONTACT

1649

Mike Nehring PHONE 701-263-1008/756-7177 ADDL PHONE: 701-756-7258/6464

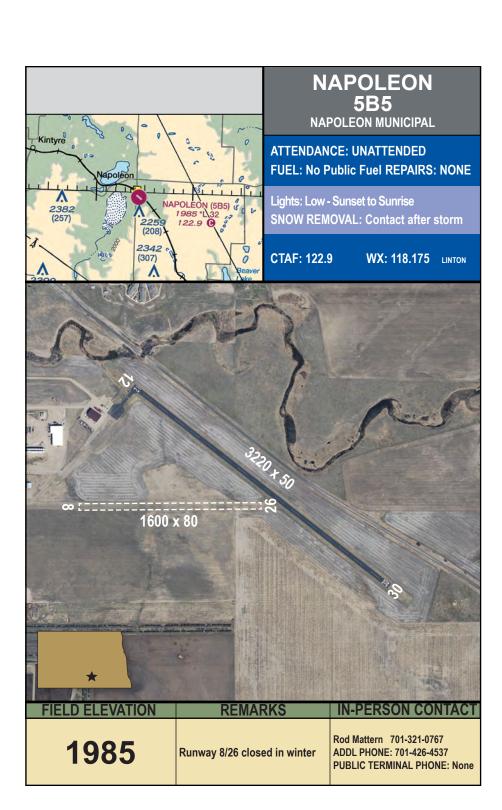
**PUBLIC TERMINAL PHONE: Yes** 



FIELD ELEVATION REMARKS IN-PERSON CONTACT

2413

Derek Mayer PHONE: 701-260-3525 ADDL PHONE: 701-440-0281 PUBLIC TERMINAL PHONE: NONE







# NEW TOWN 05D

**NEW TOWN MUNICIPAL** 

ATTENDANCE: UNATTENDED
FUEL: NONE REPAIRS: NONE

Pilot Controlled Lights: CTAF SNOW REMOVAL: Confirm after storm INSTRUMENT APPROACH: Non-Precision

CTAF: 122.9 WX: 121.1 STANLEY



#### FIELD ELEVATION

#### REMARKS

#### **IN-PERSON CONTACT**

1923

Windcone and PAPIs on Runway 12 and 30 ends - lights on continuously. Mylo Wolding PHONE 701-898-4918 ADDL PHONE: 701-421-9019 PUBLIC TERMINAL PHONE: None



## **NORTHWOOD 4V4**

**MUNICIPAL - VINCE FIELD** 

ATTENDANCE: MON-FRI 8-5PM

FUEL: 100LL-Call Ahead REPAIRS: MAJOR

**Pilot Controlled Lights: CTAF** SNOW REMOVAL: Confirm after storm **Instrument Approach: non-Precision** 

**CTAF: 122.8** 

WX: 119.4 **GFK ATIS** 



1119

REMARKS

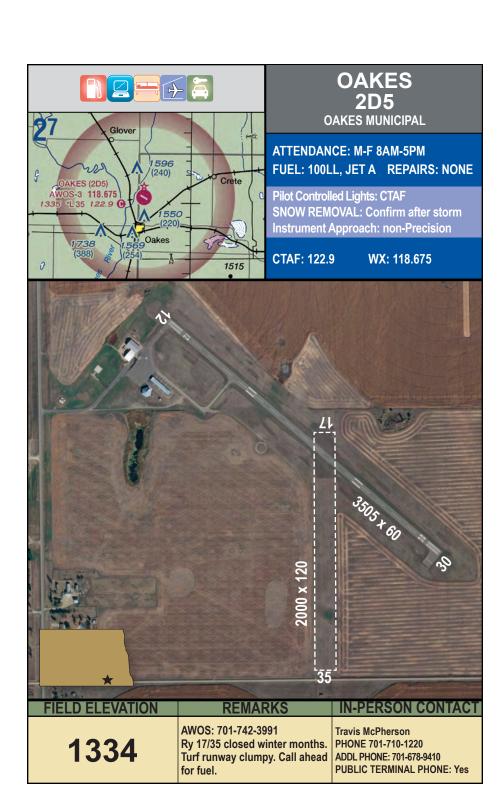
Traffic Pattern: Runway 8 right

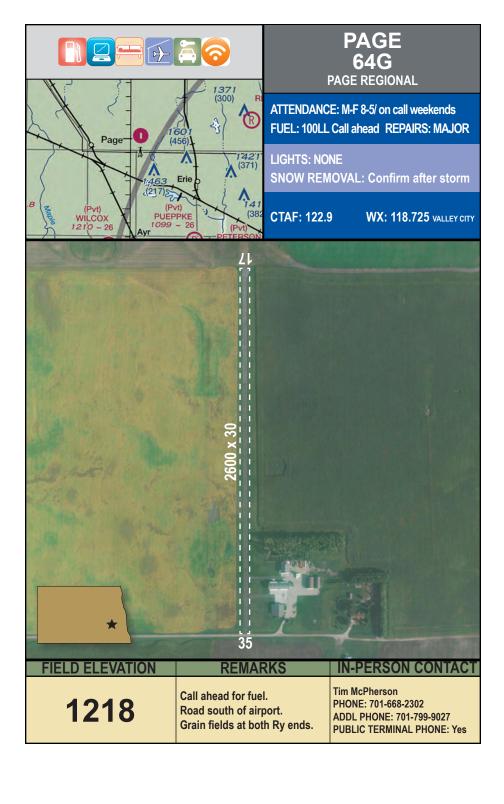
For fuel contact: (701) 587-5171

IN-PERSON CONTACT

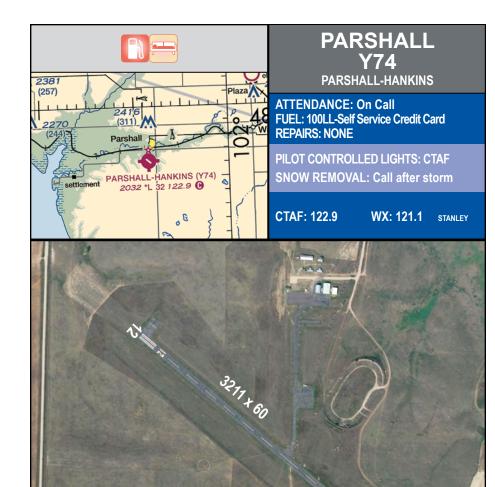
Rich Altendorf PHONE: 701-587-5171

ADDL PHONE: 218-779-6567 **PUBLIC TERMINAL PHONE: Yes** 



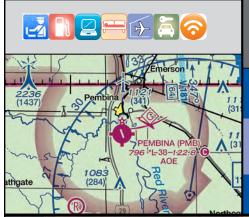






FIELD ELEVATION REMARKS IN-PERSON CONTACT

City snow removal 862-3459. Richard Bolkan PHONE: 701-898-3144 PUBLIC TERMINAL PHONE: Yes



# PEMBINA PMB

THOMAS NORD FIELD

ATTENDANCE: 8-8, 7 DAYS A WEEK FUEL: 100LL-Call ahead REPAIRS: MAJOR

Pilot Controlled Lights: CTAF

SNOW REMOVAL: Confirm after storm Instrument Approach: Non-Precision

CTAF: 122.8 WX: 126.47 HALLOCK

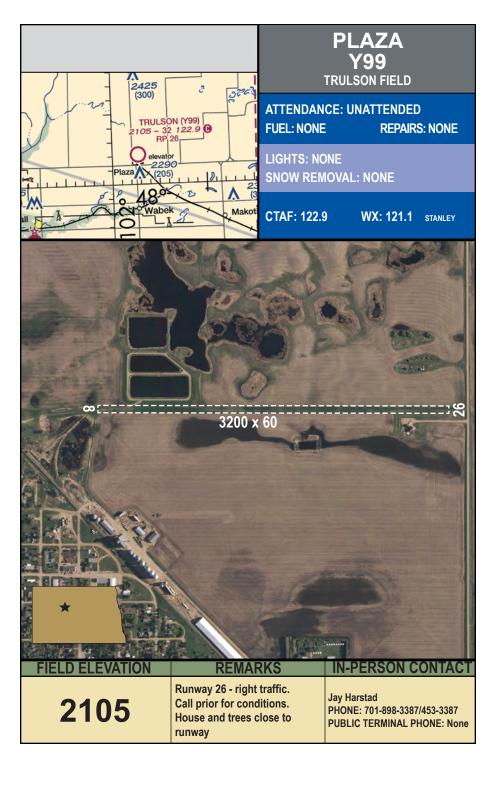


795

US Customs service-Phone: 701-825-5849 or 701-825-6201.

Terry Nord PHONE 701-825-6615 ADDL PHONE: 701-331-4458

**PUBLIC TERMINAL PHONE: Yes** 



# 2667 (241) 2498 38 (242) 000 (249) Richardton windmills (242) (242) (249) Richardton windmills (242) (242

# RICHARDTON 4E8

RICHARDTON MUNICIPAL

ATTENDANCE: UNATTENDED

FUEL: NONE REPAIRS: NONE

LIGHTS: NONE

SNOW REMOVAL: NONE

CTAF: 122.9

WX: 118.375 DICKINSON



FIELD ELEVATION

REMARKS

IN-PERSON CONTACT

2498

120' wind tower 800' north. Cattle grazing Aug-Dec. Call airport manager 24hr. prior to landing

Jody Hoff PHONE 701-290-4335 PUBLIC TERMINAL PHONE: None



# o Thorne 2046 Fonda 193. Rolette

# ROLETTE 2H9

ROLETTE AIRPORT

ATTENDANCE: UNATTENDED **FUEL: NONE** REPAIRS: NONE

**Pilot Controlled Lights: CTAF** 

**SNOW REMOVAL: Confirm after storm** 

CTAF: 122.8 WX: 118.125 ROLLA



**REMARKS** 

1623

Rwy width only 40'. Lights 20' from runway edge.

Andy Gilje PHONE 701-477-2296 **PUBLIC TERMINAL PHONE: None** 

# XCLUDES LOW 3000 AGL 2390 St John Roll A (6D) AWOS 3-118-125 Belcourt 2378 122 8 0 (281) Lake (290) Rolla (353) Belcourt 2343 A (487)

# ROLLA 06D

**ROLLA MUNICIPAL** 

ATTENDANCE: M-F 8am-5pm

FUEL: 100LL, JET A - Self Service Credit Card REPAIRS: NONE

Pilot Controlled Lights: CTAF

SNOW REMOVAL: Confirm after storm Instrument Approach: non-Precision

CTAF: 122.8 WX: 118.125



1822

Ry 7/25 closed winters. AWOS:701-477-0055 Gordon Krech PHONE: 701-477-6780 ADDL PHONE: 701-550-9884 PUBLIC TERMINAL PHONE: Yes



1549

# RUGBY RUG

**RUGBY MUNICIPAL** 

ATTENDANCE: Mon-Fri 8-5pm/ On Call FUEL: 100LL, JETA-Self Service Credit Card REPAIRS: NONE

Pilot Controlled Lights: CTAF

SNOW REMOVAL: Confirm after storm Instrument Approach: non-Precision

Steve Schneider PHONE 701-776-5171

Addl Phone Lines: 701-208-1629 701-208-1630, 701-208-1631 PUBLIC TERMINAL PHONE: Yes

CTAF: 122.8 WX: 118.475



AWOS: 701-776-6100.



# STANLEY 08D

STANLEY MUNICIPAL

#### ATTENDANCE: ON CALL

FUEL: 100LL, JET A - Self service credit card

**REPAIRS: NONE** 

Pilot Controlled Lights: CTAF SNOW REMOVAL: Confirm after storm Instrument Approach: non-precision

CTAF: 122.9 WX: 121.1

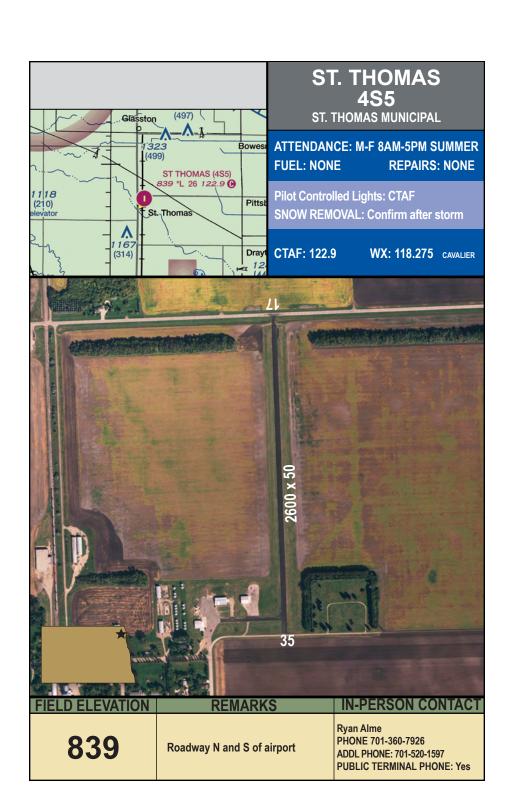


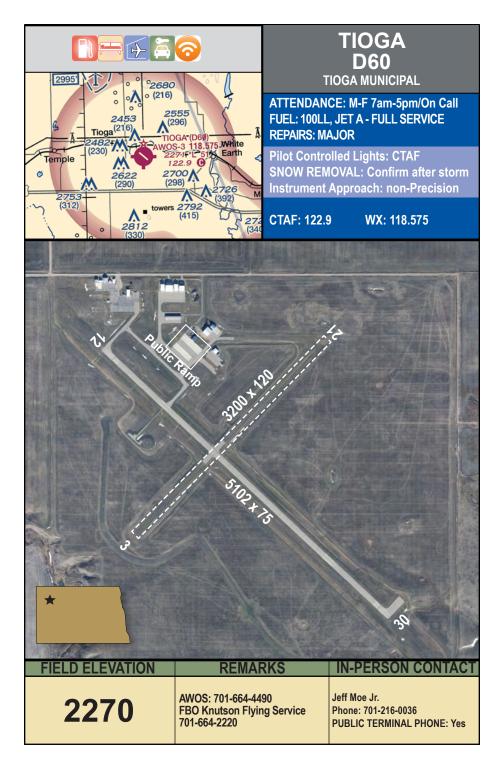
2245

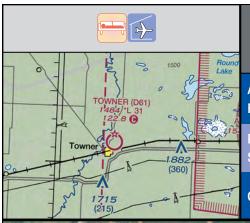
Road south of airport AWOS: 701-628-1737

Steve Martens PHONE: 701-629-0061 ADDL PHONE: 701-629-1244

PUBLIC TERMINAL PHONE: Yes







# TOWNER D61

TOWNER MUNICIPAL

ATTENDANCE: UNATTENDED

**FUEL: NONE** 

**Pilot Controlled Lights: CTAF** 

**SNOW REMOVAL: Confirm after storms** 

CTAF: 122.8 WX: 118.475 RUGBY



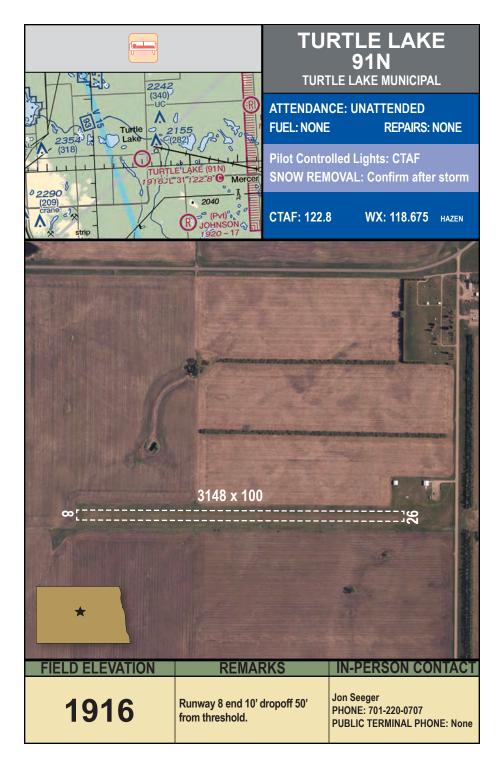
## FIELD ELEVATION

### **REMARKS**

#### **IN-PERSON CONTACT**

1484

Runway 16 - 30' pole 500 ft. from end. Runway 34 - 3' ditch. Daniel Gunter PHONE 701-537-3519 ADDL PHONE: 701-537-5687 PUBLIC TERMINAL PHONE: NONE







# **WAHPETON BWP**

HARRY STERN

ATTENDANCE: Mon-Fri 8-5pm FUEL: 100LL - Self Service Credit Card

**REPAIRS: MAJOR** 

**Pilot Controlled Lights: CTAF SNOW REMOVAL: Confirm after storm** Instrument Approach: Non-Precision

CTAF: 123.0 WX: 127.875



968

#### REMARKS

AWOS: 701-642-9800. Turf runway closed winters. Taxi Service: 701-642-5757. CALL AHEAD FOR JET A FUEL

## IN-PERSON CONTACT

Jon Klein PHONE: 701-361-0230 ADDL PHONE: 701-642-5777 **PUBLIC TERMINAL PHONE: Yes** 



# WALHALLA 96D

WALHALLA MUNICIPAL

ATTENDANCE: On Call

FUEL: 100LL - Self Service Credit Card REPAIRS: NONE

**Pilot Controlled Lights: CTAF** 

SNOW REMOVAL: Confirm after storm Instrument Approach: non-precision

CTAF: 122.9 WX: 118.175



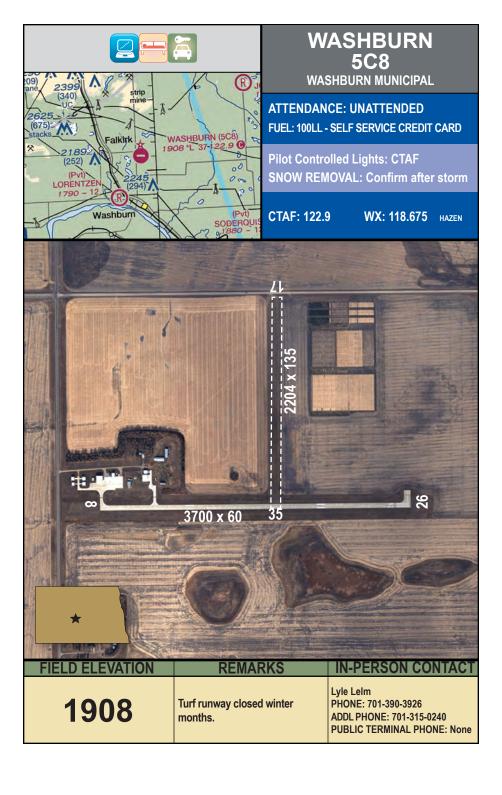
FIELD ELEVATION

**REMARKS** 

**IN-PERSON CONTACT** 

953

AWOS: 701-549-3402 COURTESY CAR AVAILABLE -CALL AHEAD David Carignan PHONE 701-549-3500 ADDL PHONE: 701-265-2617 PUBLIC TERMINAL PHONE: None





# WATFORD CITY S25

WATFORD CITY MUNICIPAL

ATTENDANCE: M-F 8AM-5PM/ON CALL FUEL: 100LL, JET A - Full Service

**REPAIRS: MINOR** 

**Pilot Controlled Lights: CTAF** 

SNOW REMOVAL: Confirm after storm Instrument Approach: Non-Precision

CTAF: 122.8 WX: 118.125



2111

AWOS: 701-842-4855. Manager Cell: 701-570-2646 Luke Taylor PHONE 701-570-2646 Watford Aero Services: 701-300-3045 PUBLIC TERMINAL PHONE: Yes



# **WEST FARGO**

WEST FARGO MUNICIPAL

ATTENDANCE: Mon-Fri 8-5pm FUEL: 100LL-Self Service Credit Card **REPAIRS: MAJOR** 

**Pilot Controlled Lights: CTAF** 

SNOW REMOVAL: Confirm after storm

CTAF: 122.7 WX: 124.5 ATIS FARGO



FIELD ELEVATION

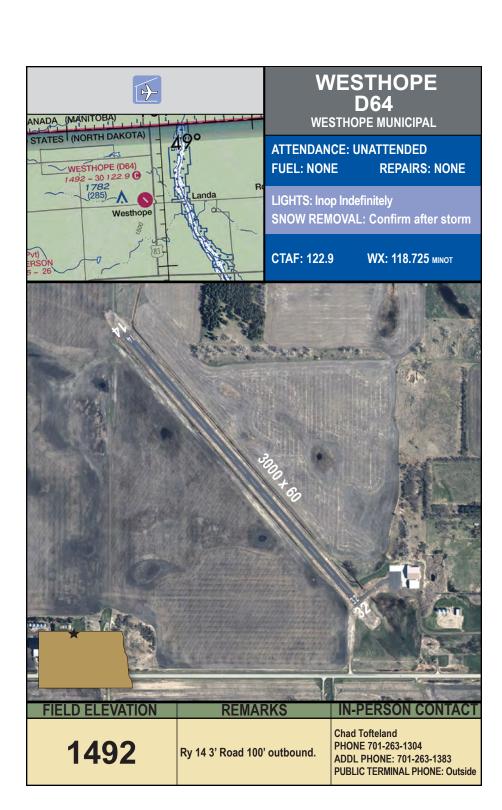
**REMARKS** 

**IN-PERSON CONTACT** 

896

Runway 18 right traffic. Parachute jumping.

Robbie Grande PHONE: 701-371-2655 **PUBLIC TERMINAL PHONE: Yes** 







#### METAR ABBREVIATIONS

#### **ABBREVIATIONS**

AOI Automated Observation without precipitation discriminator (rain/snow) AO2 Automated Observation with precipitation discriminator (rain/snow)

AMD Amended Forecast (TAF)

BECMG Becoming (expected between 2-digit beginning hour and 2-digit ending hour)

BKN Broken

CLR Clear at or below 12.000 feet (AWOS/ASOS report)

COB Correction to the observation

FFW 1 or 2 octas (eighths) cloud coverage

FM From (4 digit beginning time in hours and minutes)

LDG Landing

In temperature field means "minus" or below zero M

In RVR listing indicates visibility less than lowest reportable sensor value (e.g. M600) M

NO Not available (e.g. SLPNO, RVRNO)

NSW No Significant Weather

Overcast OVC

In RVR indicates visibility greater than highest reportable sensor value (e.g. P6000FT)

P6SM Visibility greater than 6 SM (TAF only)

PROB4O Probability 40 percent

Runway (used in RVR measurement)

RMK Remark RV/RWY Runway SCT Scattered SKC Sky Clear

SLP Sea Level Pressure (e.g., 1013 reported as 013)

SM Statute mile(s) SPECI Special Report

TEMPO Temporary changes expected (between 2-digit beginning hour and 2-digit ending hour)

TKOF

T01760158, 10142, 20012 and 401120084 In Remarks-examples of temperature information

Varies (wind direction and RVR)

VC Vicinity

VRB Variable wind direction when speed is less than or equal to 6 knots

VV Vertical Visibility

WS Wind shear (In TAFs, low level and not associated with convective activity)

Sandstorm

#### **DESCRIPTORS**

BC	Patches	MI	Shallow
BL	Blowing	PR	Partial
DR	Low Drifting	SH	Showers
FZ	Supercooled/freezing	TS	Thunderstorm

#### WEATHER PHENOMENA N 4: -+

Hail

BR	Mist	PE	Ice Pellets
DS	Dust Storm	P0	Dust/Sand Whirls

DU Widespread Dust PY Sprav DΖ Drizzle RA Rain FC Funnel Cloud SA Sand FC Tornado/Water Spout SG Snow Grains FG SN Snow Foa FU Smoke SQ Squall

GS Small Hail/Snow Pellets UP Unknown Precipitation ΗZ (Automated Observations) Haze

SS

IC Ice Crystals VA Volcanic Ash

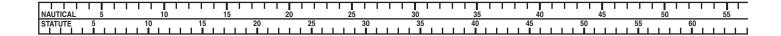
#### **CLOUD TYPES**

GΑ

CB Cumulonimbus TCU **Towering Cumulus** 

# **CLOSE YOUR FLIGHT PLAN**

		FL	_IGF	IT PLA	N AFS	S 1-800-992	-7433	ABBILITY. ALITY. Y.
1. TYPE 2. AIRCRAFT IDENTIFICATION OF THE PROPERTY OF THE PROP	3. AIRCRAF SPECIAL	T TYPE EQUIPMENT	1. TRUE AIRSPEED KTS	5. DEPARTURE POINT	6. DEPAR PROPOSED (Z)	TURE TIME ACTUAL (Z)	7. CRUISING ALTITUDE	SAPABILITY.  S CAPABILITY.  DE ENCODING CAPABILITY.  ENCODING CAPABILITY.  ALTITUDE ENCODING CAPABILITY.  TITUDE ENCODING CAPABILITY.  ENCODING CAPABILITY.  ENCODING CAPABILITY.
5.ROUTE OF FLIGHT						_		DDING (CODING CODING (CODING (
9. DESTINATION (Name of Airg and City)	HOURS	MINUTES	11. REMARK	KS .				JONDER. JONDER. JOER WITH ALITIUDE ENCOD IDER WITH ALITIUDE ENCOD WO TRANSPONDER, BUT NO AI RANSPONDER, BUT NO AI RANSPONDER WITH ALITI TRANSPONDER WITH ALITI TRANSPONDER WITH ALITI TRANSPONDER, BUT NO A TRANSPONDER WITH ALITI TRANSPONDER, WITH ALITI NO TRANSPONDER WITH ALITI NO TRANSPONDER WITH ALITI NO TRANSPONDER WITH ALITI NO TRANSPONDER.
12. FUEL ON BOARD HOURS MINUTES  13. ALTERNATE AIRPORT 14. PILOT'S NAME, ADDRESS & TELEPHONE NUMBER & AIRCRAFT HOME BASE 15. NUMBER ABOARD 17. DESTINATION CONTACT/TELEPHONE (OPTIONAL)				NO TRANSPONDER TRANSPONDER NO ALTITUDE TRANSPONDER WITH ALTITUDE DME, BUT NO DER WITH ALTITUDE DME, AND TRANSPONDER, BUT TACAN ONLY, BUT NO TRANSPOND TACAN ONLY, AND TRANSPOND TRACAN ONLY AND TRANSPONDER, BUT TRACAN ONLY AND TRANSPONDER, BUT TRACAN ONLY AND TRANSPONDER, BUT TRACAN AND TRANSPONDER, BUT TRACAN BUT NO TRACA				
16. COLOR OF AIRCRAFT								X ← 2 位 倒 女 似 列 本 で 代 次 成 次 点 2 位 倒 女 似 列 本 で 点 か 点



			FLIGHT LC	G					
DEPARTURE POINT	VOR	RADIAL	DISTANCE		TIME		GROUND SPEED		
	IDENT.	то	LEG		- POINT	TAKE OFF	SPEED		
CHECK POINT	FREQ.	FROM	REMAINING	CUMMU	JLATIVE	ETA			
CHECK FOINT						LIA			
						ATA			
DESTINATION									
DESTINATION									
			TOTAL						
PREI	LIGH	T CHEC	K LIST	DATE					
EN ROUTE WE	ATHER	/ WEATHER	ADVISORIES						
DESTINATION	WEATHI	ER			WINDS AL	OFT			
ALTERNATE W	EATHEF	R							
FORFOACTO									
FORECASTS									
NOTAMS / AIRS	SPACE F	RESTRICTIO	DNS						

# **GUIDE FOR AIRFIELD SIGNS**

SIGN and LOCATION

PILOT ACTION or SIGN PURPOSE

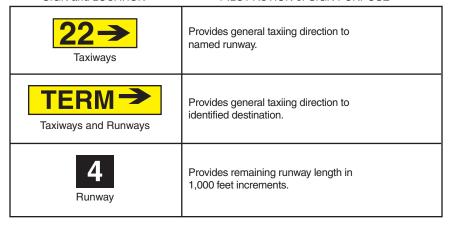
Controlled Airport - Hold unless ATC Clearance has

4-22	Controlled Airport - <b>Hold</b> unless AI C Clearance has been received.
On Taxiways at Intersection with a Runway	Uncontrolled Airport - Proceed when no traffic conflict exists.
4-22	Taxiing - Same action as above.
Runway / Runway Intersection	Taking Off or Landing - Disregard unless a "Land, Hold Short" clearance has been accepted.
4-APCH	Controlled Airport - Hold when instructed by ATC.
Taxiway in Runway Approach of Departure Area	Uncontrolled Airport - Proceed when no traffic conflict exists.
ILS Critical Area	Hold when approaches are being made with visibility less than 2 miles or ceiling less than 800 feet.
Areas where Aircraft are Forbidden to Enter	Do not enter.
Taxiway	Identifies taxiway on which aircraft is positioned.
<b>22</b> Runway	Identifies runway on which aircraft is positioned.
Edge of Protected Airway for Runway	These signs are used on controlled airports to identify the boundary of the runway protected area. It is intended that pilots exiting this area would use this sign as a guide to judge when the aircraft is clear of the protected area.
Edge of ILS Critical Area	These signs are used on controlled airports to identify the boundary of the LS critical area. It is intended that pilots exiting this area would use this sign as a guide to judge when the aircraft is clear of the ILS critical area.
Taxiways and Runway	On Taxiways - Provides direction to turn at next intersection to maneuver aircraft onto named runway.

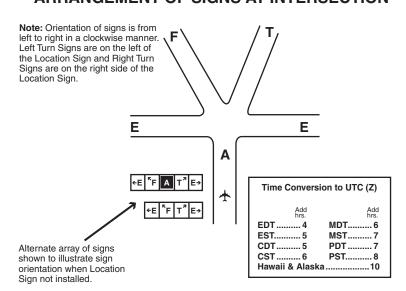
## **GUIDE FOR AIRFIELD SIGNS**

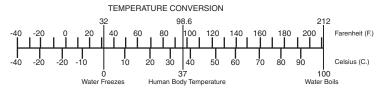
SIGN and LOCATION

PILOT ACTION or SIGN PURPOSE



#### ARRANGEMENT OF SIGNS AT INTERSECTION





## **INTERCEPTING SIGNALS**

Signals initiated by intercepting aircraft and responses by intercepted aircraft (as set forth in ICAO Annex 2-Appendix A, 2.1)

Series	Intercepting Aircraft Signals	Meaning	Intercepted Aircraft Responds	Meaning
1	Day - Rocking wings from a position slightly above and ahead of, and normally to the left of, the intercepted aircraft and, after acknowledgement, a slow level turn, normally to the left, on to the desired heading.  Night - Same and, in addition, flashing navigational lights at irregular intervals.  Note 1 - Meteorological conditions or terrain may require the intercepting aircraft to take up a position slightly above and ahead of, and to the right of, the intercepted aircraft and to make the subsequent turn to the right.	You have been intercepted! Follow me.	Aeroplanes: Day - Rocking wings and following.  Night - Same and, in addition, flashing navigational lights at regular intervals.	Understood, will comply.
	Note 2 - If the intercept aircraft is not able to keep pace with the intercepting aircraft, the latter is expected to fly a series of race-track patterns and to rock its wings each time it passes the intercepted aircraft.		Helicopters: Day or Night-Rocking Aircraft, flashing navigational lights at irregular intervals and following.	
2	Day or Night - An abrupt break-away maneuver from the intercepted aircraft consisting of a climbing turn of 90 degrees or more without crossing the line of flight of the intercepted aircraft.	You may proceed.	Aeroplanes: Day or Night - Rocking Wings.  Helicopters: Day or Night - Rocking Aircraft.	Understood, will comply.
3	Day - Circling aerodrome, lowering landing gear and over-flying runway in direction of landing or, if the intercepted aircraft is a helicopter, over-flying the helicopter landing area.  Night - Same and, in addition, showing steady landing lights.	Land at this aerodrome.	Aeroplanes: Day - Lowering landing gear, following the intercepting aircraft and, if after over-flying the runway landing is considered safe, proceed to land. Night - Same and, in addition, showing steady lights (if carried).  Helicopters: Day or Night - Follow the intercepted aircraft and proceed to land, showing a steady landing light (if carried).	Understood, will comply.
4	Day or Night - Raising landing gear (if fitted) and flashing landing lights while passing over runway in use or helicopter landing area at a height exceeding 2,000 ft (in case of helicopter, at a height exceeding 170 ft, but not exceeding 330 ft) above the aerodrome level, and continuing to circle runway in use or helicopter landing area. If unable to flash landing lights, flash any other lights available.	Aerodrome you have designated is inadequate.	Day or Night - If it is desired that the intercepted aircraft follow the intercepting aircraft to an alternate aerodrome, the intercepting aircraft raises its landing gear (if fitted) and uses the Series 1 signals prescribed for intercepting aircraft. It is decided to release the intercepted craft, the intercepting aircraft uses the Series 2 signals prescribed for intercepting aircraft.	Understood, follow me.
5	Day or Nights - Regular switching on and off of all available lights but in such a manner as to be distinct from flashing lights.	Cannot comply.	Day or Night - Use Series 2 signals prescribed for intercepting aircraft.	Understood
6	Day or Nights - Irregular flashing of all available lights.	In distress.	Day or Night - Use Series 2 signals prescribed for intercepting aircraft.	Understood

# **Light Gun Signals**

Color and Type of Signal	Movement of Vehicles, Equipment and Personnel	Aircraft on the Ground	Aircraft in Flight
Steady Green	Cleared to Cross, Proceed or Go	Cleared for Take-off	Cleared to Land
Flashing Green	Not Applicable	Cleared for Taxi	Return for Landing, to be Followed by Steady Green at the Proper Time
Steady Red	STOP	STOP	Give Way to Other Aircraft and Continue Circling
Flashing Red	Clear the Taxiway/Runway	Taxi Clear of the Runway in Use.	Airport Unsafe, Do not Land
Flashing White	Return to Starting Point on Airport	Return to Starting Point on Airport	Not Applicable
Alternating Red and Green	Exercise Extreme Caution	Exercise Extreme Caution	Exercise Extreme Caution

# 10 Ways To Help Prevent

# **Runway Incursions**

- **1** See The "Big Picture" Monitor both ground and tower communications when possible.
- **2** Transmit Clearly Make your instructions and read-backs complete and easy to understand.
- **3** Listen Carefully Listen to your clearance. Listen to what you read back. Do not let communications become automatic.
- 4 Copy Clearances
  Clearances can change.
  Keep a note pad and copy
  your clearance. If needed,
  refer to your notes.
- **5** Situational Awareness Know your location. If unfamiliar with an airport keep a current airport diagram available for easy reference.

- 6 Admit When Lost
  If you get lost on an airport,
  ask ATC for help. Better to
  damage your pride than your
  airplane.
- Maintain a sterile cockpit until reaching cruising altitude. Explain to your passengers that talking should be kept to a minimum.
- **B** Understand Signs, Lights And Markings Keep current with airport signs, lights and markings. Know what they mean and what action to take.
- **9** Never Assume
  Do not take clearances for granted. Look both ways before entering or crossing taxiways and runways.
- **10** Follow Procedures Establish safe procedures for airport operations. Then follow them.

For more information see the following: www.faa.gov/airports/runway-safety

# Automated Weather Observation System

The Automated Weather Observation System (AWOS) enhances safety by providing critical airport weather information to pilots to be used for flight planning and in-flight decision-making. The system provides real-time weather observations including wind, visibility, current weather, sky conditions, temperature, dew point, altimeter setting, and remarks, such as density altitude and local airport conditions.

AWOS information can be accessed in a variety of ways, including radio frequency, telephone and weather terminals at airports with AWOS. It can also be accessed from a variety of Web sites, most AWOS information is disseminated nationwide through a system called NADIN, making it available to sources like Flight Service Stations, the National Weather Service and Weather Channel.

#### What every pilot should know about AWOS

#### Wind

- taken every second and a running 2-minute average is updated every 5 seconds
- wind speeds of less than 3 knots are reported as calm
- if the difference between the highest 5-second average and 2-minute average exceeds 5 knots, gusts are reported
- wind direction is reported from the nearest 10 degree magnetic heading

#### **Visibility**

- readings are taken every 15 seconds and are averaged over a 10-minute period

#### Present weather

- a precipitation sensor samples every 15 seconds
- temperature and visibility measurements are used to determine precipitation type

#### Sky conditions (ceilings)

- readings are taken every 30 seconds and averaged over a 30-minute period
- ceiling measurements are rounded as follows:

nearest 100' up to 5000' AGL nearest 500' from 5000'-10,000' AGL nearest 1000' above 10,000'

#### Temperature and dew point

- four, 1-minute averages are used to determine the temperature

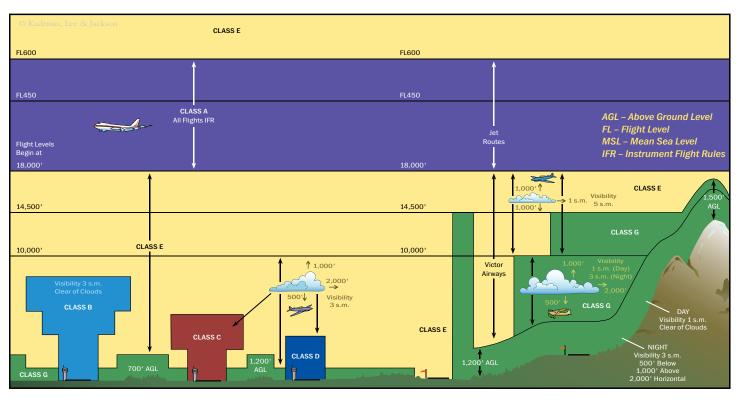
#### Altimeter (barometric pressure)

- pressure sensors take readings every 10 seconds and a 1-minute average is calculated

#### Remarks

- a calculated density altitude report is provided, if density altitude is greater than 1000' above the airport's field elevation
- Occasionally, airport managers will provide recorded remarks regarding NOTAM's or local airport conditions.

AWOS is maintained by the airport in North Dakota and is continuously monitored to ensure its operational status. Individual sites are also maintained and calibrated on a regular basis to ensure reliability and accuracy. As with any electronic device, care must be used when interpreting data. By knowing how AWOS data is collected, a pilot can better understand the information they are receiving.

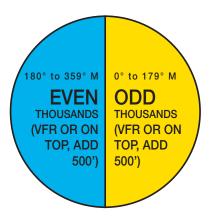


Classification	Definition
CLASS A	Generally airspace above 18,000 feet MSL up to and including FL 600.
CLASS B	Generally multi-layered airspace from the surface up to 10,000 feet MSL surrounding the nation's busiest airports.
CLASS C	Generally airspace from the surface to 4,000 feet AGL surrounding towered airports with service by radar approach control.

Classification	Definition
CLASS D	Generally airspace from the surface to 2,500 feet AGL surrounding towered airports.
CLASS E	Generally controlled airspace that is not Class A, Class B, Class C, or Class D.
CLASS G	Generally uncontrolled airspace that is not Class A, Class B, Class C, Class D, or Class E.

## DIRECTIONAL ALTITUDE CHART

CRUISING ALTITUDES (IFR WITHIN CONTROLLED AIRSPACE MAY BE MODIFIED BY ATC)



Below 29,000' MSL

#### MORSE CODE AND PHONETIC ALPHABET

Alfa	Juliett	Sierra	2
Bravo	Kilo—.—	Tango	3
Charlie —. —.	Lima .—	Uniform	4
Delta	Mike	Victor	5
Echo.	November	Whiskey.——	6 —
Foxtrot	Oscar	Xray	7
Golf	Papa	Yankee	8
Hotel	Quebec ———	Zulu——	9
India	Romeo	1	0

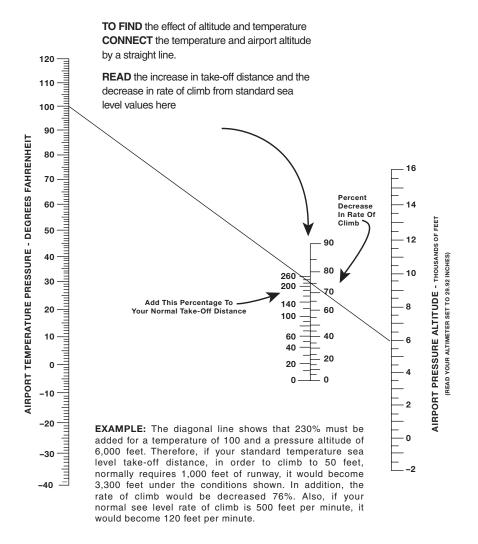
## VFR TRANSPONDER CODES

Code 1200 - Surface to 18,000 Feet

Code 7600 - Radio Failure

Code 7700 – Emergency

# MODIFIED KOCH CHART FOR ALTITUDE AND TEMPERATURE EFFECTS



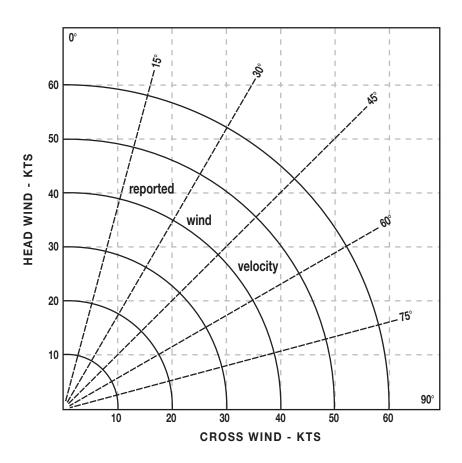
This chart indicates typical representative values for "personal" airplanes.

For exact values, consult your airplane flight manual.

The chart may be conservative for airplanes with supercharged engines.

Also, remember that long grass, sand, mud or deep snow can easily double your take-off distance.

## WIND CHART FOR TAKEOFF



## **INSTRUCTIONS**

- Determine maximum 90° Cross Wind that you can handle. (Suggest 20% X Stall Speed). Place dot on 90° line at this value.
- Determine maximum 45° Cross Wind that you can handle. (Suggest 30% X Stall Speed). Place dot on 45° line at this value.
- 3. Determine maximum Head Wind that you can handle. (Suggest 60% X Stall Speed). Place dot on 0° line at this value.
- 4. Connect dots with red line. Values to left of line are go wind velocities and directions.

LOCATION & FRE	Q.	REMARKS
BISMARCK (BIS) ASOS Vortac/DME ILS 31 ILS 13 RCO Tower/CTAF Ground App/Dep Con ATIS Unicom Center	115.65 110.3 111.5 122.2 118.3 121.9 126.3 119.35 122.95 135.25	(701) 255-7563 HIWAS Rwy 31 Rwy 13 GFK FSS Tower Open (1200-0600Z)
BOTTINEAU (DO9) Center Minot APP/Dep Unicom/CTAF awos-3 118.25 remark 701-225-26	127.6 119.6 122.8	MPLS Center
BOWMAN (BWW) AWOS-3 Center RCO Unicom/CTAF	118.075 126.85 122.4 122.8	(701) 523-3412 Salt Lake Center
CARRINGTON (46D) AWOS-3 Center UNICOM/CTAF	118.575 124.2 122.9	701-652-1875 MPLS Center
CASSELTON (5N8) Center Fargo APP/Dep Vortac FAR Unicom/CTAF	127.35 120.4 116.2 122.8	
CAVALIER (2C8) AWOS-3 Devils Lake RCO Unicom/CTAF	118.275 122.3 122.8	701-265-8050 GFK Radio
COOPERSTOWN (S3: AWOS-3 Jamestown RCO Unicom/CTAF	118.750	701-797-2566 GFK Radio
CROSBY (D50) AWOS-3 Center Unicom/CTAF	118.025 126.85 122.9	701-965-6732 Salt Lake Center
DEVILS LAKE (DVL) AWOS-3 Vortac/DME ILS 31 RCO Unicom/CTAF	125.875 111.0 108.7 122.3 122.8	(701) 662-7214 Hiwas Rwy 31 GFK FSS

LOCATION & FREQ.	REMARKS
DICKINSON (DIK)  ASOS 118.375  VOR DME 112.9  ILS 32 108.3  RCO 122.2  Center 124.25  Unicom/CTAF 123.0	(701) 227-0280 HIWAS Rwy 32 GFK FSS MPLS Center
FARGO (FAR) ASOS Vortac W 116.2 RCO 122.425 ILS 18 108.9 ILS 36 110.3 App/Dep Con 120.4 Center 127.35 Tower 133.8 Ground 121.9 ATIS 124.5 Unicom 122.95	(701) 298-3877  GFK FSS Rwy 18 Rwy 36
GARRISON (DO5) Center 127.6 Unicom/CTAF 122.9	MPLS Center
GLEN ULLIN (D57)  AWOS 118.75  Center 124.25  RCO 122.45  Unicom/CTAF 122.9	(701) 348-9581
GRAFTON (GAF)  AWOS-3 118.625  Center 132.15  GFK App/Dep 118.1  Unicom/CTAF 122.8	(701) 352-0581
GRAND FORKS (GFK) ASOS Vortac/DME 114.3 ILS 35L 109.1 LOC BC Rwy17R 109.1 RCO 122.2-122.6 App/Dep Con 118.1 Center 132.15 Tower/CTAF 118.4-120.55 Ground 124.575 ATIS 119.4 Unicom 122.95 Clearance 135.725	(701) 772-3486 HIWAS RWy 35L Rwy 17R GFK FSS MPLS CTAF Tower Open (1200-0530)
GWINNER (GWR)  AWOS 118.325  Center 127.35  Unicom/CTAF 122.7	(701) 678-6801 MPLS Center

LOCATION & FREQ		REMARKS		
LOCATION & FREQ.		HEIVIAHNS		
HARVEY (5H4) AWOS-3 Center Unicom/CTAF	118.825 135.25 122.8	(701) 324-2058 MPLS Center		
HAZEN (HZE) AWOS-3 Center RCO Unicom/CTAF	118.675 124.25 122.45 122.8	(701) 748-2443 MPLS Center GFK FSS		
HETTINGER (HEI) ASOS Center Unicom/CTAF	119.925 124.25 122.8	(701) 567-4594 MPLS Center		
HILLSBORO (3H4) Center Fargo App/DEP Unicom/CTAF	127.35 120.4 122.9			
JAMESTOWN (JMS) ASOS VOR/DME ILS 31 RCO Center Unicom/CTAF	118.425 114.5 109.3 123.6 124.2 123.0	(701) 251-9002 HIWAS Rwy 31 GFK FSS MPLS Center		
KENMARE (7K5) Center Minot App/DEP Unicom/CTAF	127.6 119.6 122.8	MPLS Center		
MANDAN (Y19) AWOS-3 Bismarck App/DEP Center Unicom/CTAF VOR/DME	118.225 126.3 135.25 122.8 116.5	(701) 663-0271 (1200-0600Z) MPLS Center (0600-1200Z) HIWAS		
MINOT (MOT) ASOS Vortac W ILS 31 LOC BC Rwy 13 App/Dep Con Tower/CTAF Ground RCO Unicom Center	118.725 117.1 111.9 111.9 119.6 118.2 121.9 122.2 122.95 127.6	(701) 837-9379 HIWAS Rwy 31 Rwy 13 Minot Air Base CTAF Tower open (1300-0400Z) GFK FSS MPLS Center		

1.0047101: 0.7770	DEM. 5.42
LOCATION & FREQ.	REMARKS
MOHALL (HBC) Minot App/DEP Con. 119 Center 127 Unicom/CTAF 122	7.6
Northwood (4V4) Grand Forks App/DEP 118 Unicom/CTAF 122	
OAKES (2D5)     AWOS-3	1.2 MPLS Center
PEMBINA (PMB)  VORTAC 112  FSS 122.I  Center 132.  Unicom/CTAF 122	R 15 MPLS Center
ROLLA (06D)  AWOS-3 118.1: Center 127  RCO 122. Unicom/CTAF 122	7.6 MPLS Center 65 GFK FSS
RUGBY (RUG)  AWOS-3 118.4  RCO 122  Unicom/CTAF 122	2.2 GFK FSS
STANLEY (08D) AWOS-3 121 Center App/DEP 127 Unicom/CTAF 122	7.6 MPLS Center
TIOGA (D60)  AWOS-3 118.5  Center 127  Unicom/CTAF 122	7.6 MPLS Center
VALLEY CITY (BAC) AWOS-3 118.7 Center App/DEP 124 Unicom/CTAF 122	1.2 MPLS Center
WAHPETON (BWP)  AWOS-3 127.8  Vortac 116  RCO 122.4  Unicom/CTAF 123	5.2 25

LOCATION & FRE	ĒQ.	REMARKS
WALHALLA (96D) AWOS-3 Center App/DEP Unicom/CTAF	118.175 1 <b>32.15</b> 122.9	MPLS Center
WATFORD CITY (S2,5 Center Unicom/CTAF	5) 126.85 122.8	Salt Lake Center
WILLISTON (ISN) ASOS VORTAC ILS 29 Center RCO Unicom/CTAF	125.92 116.3 108.7 126.85 123.6 122.8	(701) 774-3124 HIWAS Rwy 29 Salt Lake Center GFK FSS

### **Temporary Flight Restrictions**

# FAA NOTAMS 1-877-487-6867 https://pilotweb.nas.faa.gov

While TFR's may be triggered by different events, it is important that pilots familiarize themselves with each type of restriction, and how it may impact a pilot's proposed flight. Of equal importance, pilots must know how best to gain information concerning TFR's before each flight. Inadvertent flight into a TFR not only places a pilot's certificate at risk; it also increases the chances of being intercepted by military or law enforcement aircraft. Straying into TFR airspace may also increase the risk of a mid-air collision.

For further information on TFR's, you may visit FAA's website at http://tfr.faa.gov While flying in the vicinity of the Grand Forks Airport (KGFK), please familiarize yourself with the TFR located to the west of the airport.



### **AIR TRAFFIC CONTROLLER (ATCT)**

Bismarck ATCT – 701-223-8790 Fargo ATCT– 701-239-5188 Grand Forks ATCT – 701-775-2898 Minot ATCT – 701-852-2346

ASOS or AWOS					
CITY	PHONE				
Beach	20U	118.175	(701) 872-9225		
Bismarck	BIS	119.35*	(701) 255-7563		
NWS			**(701) 223-4582		
Bowman	BWW	118.075	(701) 523-3412		
Bottineau	D09	118.25	(701) 228-2688		
Cando	9D7	118.325	(701) 968-3625		
Carrington	46D	118.575	(701) 652-1875		
Cavalier	2C8	118.275	(701) 265-8050		
Cooperstown	S32	118.750	(701) 797-2566		
Crosby	D50	118.025	(701) 965-6732		
Devils Lake	DVL	125.875	(701) 662-7214		
Dickinson	DIK	118.375	(701) 227-0280		
Fargo	FAR	124.50*	(701) 298-3877		
Glen Ullin	D57	118.75	(701) 348-9581		
Grafton	GAF	118.625	(701) 352-0581		
Grand Forks	GFK	119.40*	(701) 772-3486		
NWS			**(701) 772-0720		
Gwinner	GWR	118.325	(701) 678-6801		
Harvey	5H4	118.825	(701) 324-2058		
Hazen	HZE	118.675	(701) 748-2443		
Hettinger	HEI	119.925	(701) 567-4594		
Jamestown	JMS	118.42	(701) 251-9002		
Killdeer	9Y1	118.425	(701) 495-9104		
Langdon	D55	118.225	(701) 256-2121		
Linton	7L2	118.175	(701) 254-4965		
Mandan	Y19	118.225	(701) 663-0271		
Minot	MOT	118.725	(701) 837-9379		
Oakes	2D5	118.675	(701) 742-3991		
Rolla	06D	118.125	(701) 477-0055		
Rugby	RUG	118.475	(701) 776-6100		
Stanley	08D	121.1	(701) 628-1737		
Tioga	D60	118.575	(701) 664-4490		
Valley City	BAC	118.725	(701) 845-9117		
Wahpeton	BWP	127.875	(701) 642-9800		
Walhalla	96D	118.175	(701) 549-3402		
Watford City	S25	118.175	(701) 842-4855		
Williston	ISN	125.92	(701) 774-3124		
NWS			**(701) 572-3198		

#### **AIRPORT IDENTIFIERS**

IDENT.	LOCATION	CTAF	IDENT.	LOCATION	CTAF
1A2	Arthur	122.9	D55	Langdon	122.8*
ASY	Ashley	122.9*	2L1	Larimore	122.9
20U	Beach	122.8*	D31	Leeds	122.8*
95D	Beulah	122.9*	4N4	Lidgerwood	122.9
BIS	Bismarck	118.3* -TWR	7L2	Linton	122.9*
D09	Bottineau	122,8*	6L3	Lisbon	122.9
5B4	Bowbells	122.9	7G2	McClusky	122.9*
BWW	Bowman	122.8*	8M6	McVille	122.9
9D7	Cando	122.9*	6D3	Maddock	122.9
46D	Carrington	122.9*	Y19	Mandan	122.8*
5N8	Casselton	122.8*	D56	Mayville	122.8*
2C8	Cavalier	122.8*	4R6	Milnor	122.9
D49	Columbus	122.9	MOT	Minot	118.2* -TWR
S32	Cooperstown	122.9*	D06	Minto	122.9
D50	Crosby	122.9*	HBC	Mohall	122.8*
DVL	Devils Lake	122.8*	3P3	Mott	122.9*
DIK	Dickinson	123.0*	5B5	Napoleon	122.9*
D29	Drayton	122.9*	8J7	New Rockford	122.9
S28	Dunseith	122.8	05D	New Town	122.9*
51D	Edgeley	122.8*	4V4	Northwood	122.8*
Y71	Elgin	122.9*	2D5	Oakes	122.9*
4E7	Ellendale	122.9*	64G	Page Regional	122.9
5N4	Enderlin	122.9*	Y37	Park River	122.8*
FAR	Fargo	133.8 - TWR	Y74	Parshall	122.8*
D24	Fessenden	122.9*	PMB	Pembina	122.8*
Y27	Fort Yates	122.9	Y99	Plaza	122.9
9G9	Gackle	122.9	4E8	Richardton	122.9
D05	Garrison	122.9*	37N	Riverdale	122.9
D57	Glen Ullin	122.9*	2H9	Rolette	122.8*
GAF	Grafton	122.8*	06D	Rolla	122.8*
GFK	Grand Forks	118.4*-TWR	RUG	Rugby	122.8*
GWR	Gwinner	122.7*	4S5	St. Thomas	122.9*
5H4	Harvey	122.8*	08D	Stanley	122.9*
6H8	Hazelton	122.9	D60	Tioga	122.9*
HZE	Hazen	122.8*	D61	Towner	122.8*
HEI	Hettinger	122.8*	91N	Turtle Lake	122.8*
3H4	Hillsboro	122.9*	BAC	Valley City	122.8*
JMS	Jamestown	123.0*	BWP	Wahpeton	123.0*
7K5	Kenmare	122.8*	96D	Walhalla	122.9*
9Y1	Killdeer	122.9*	5C8	Washburn	122.9*
K74	Kindred	122.9*	S25	Watford City	122.8*
D03	Kulm	122.9	D54	West Fargo	122.7*
5L0	Lakota	122.9*	D64	Westhope	122.9*
4F9	LaMoure	122.9*	XWA	Williston	122.8*
			6L5	Wishek	122.9*

<sup>\* -</sup> Aircraft Radio Controlled Airport Lighting Activation and/or increase intensity level through 3, 5, or 7 microphone clicks.





Welcome to the Legendary Skies of North Dakota

Our state is home to breathtaking landscapes, abundant recreational opportunities and a welcoming spirit that make it an exceptional destination to include in your travels. Whether you're a resident or visitor, planning your flight for business or vacation, we encourage you to take a scenic journey through North Dakota and experience our unforgettable adventures, natural wonders and exciting events.

North Dakota is a global leader in aviation and aerospace innovation. The John D. Odegard School of Aerospace Sciences at the University of North Dakota in Grand Forks operates one of the largest fleets of civilian aircraft in North America, with faculty and students world-renowned for their research. The Northern Plains UAS Test Site and Grand Sky public-private UAS campus remain at the forefront of unmanned aircraft systems research and development. These facilities are key to advancing UAS technology and integrating it into the national airspace, including the continued rollout of Vantis, our groundbreaking beyond visual line of sight (BVLOS) network.

We remain deeply committed to fostering an environment where innovation thrives and entrepreneurial ideas soar – building on North Dakota's well-earned reputation as an aerospace industry leader.

We are thrilled to welcome you to our skies and our state. Whether you are traveling for business or leisure, we hope you enjoy your time exploring all that North Dakota has to offer and leave with lasting memories of your journey.

Safe travels.

Governor Kelly Armstrong



#### **Commissioners**

Dr. Kim Kenville, Chair, Grand Forks Rodney Schaaf, Vice Chair, Bowman Steve Blazek, Fargo Kyle Humann, Bismarck Warren Pietsch, Minot

#### Mission

To serve the public by providing economic and technical assistance for the aviation community while ensuring the safe and cost-effective advancement of aviation in North Dakota.