



AIRPORT ADVISORY BOARD MEETING

December 19, 2023
6:00pm
Albert Lea Airport

In attendance were:

<i>Board Members</i>	<i>Present</i>	<i>Absent</i>
Michael Bowman		x
Craig Ludtke		x
Jerry Morstad	x	
Gerald Molkenthin		x
Chuck Sandager	x	
Darren Schone	x	
Mark Light	x	

Ex-Officos

Steven Jahnke, City Engineer/Director of Public Works
John Ryther, City Environmental/Civil Engineer
Robert Rasmussen, Councilmen
Jim Hanson, Airport Manager
Silas Parmar, Bolton & Menk
Chris Gardner, Bolton & Menk
William Kozelsky, 360 Aviation
Al Gadola, Hangar Tenant

1) Approval of Board Minutes

Four board members are needed to make a quorum. Since there were only two board members present for the October meeting, the October meeting was held for informational purposes only, the September Minutes were not approved at the October meeting.

Darren Schone made a motion to approve the September minutes, Chuck Sandager seconded it. The minutes were approved.

2) Master Plan Study

The plan was submitted to the FAA for review in the fall of 2022. The FAA has provided comments back and those comments have been addressed. The City is currently waiting for final approval. Steve Jahnke will continue to work with Mead & Hunt to get this completed/finalized.

3) Fuel Master/Fuel System & Runway Sign Upgrades State Grant

Both the signage and fuel system projects have now been completed. Initially the fuel system had significant issues, Jim Hanson and Clark Hagen have been working to get these issues resolved. The system is now working with minor issues still being resolved.

4) N Numbers

Bolton & Menk, Jim Hanson and City staff have been working to update the list of registered aircraft based at the Albert Lea Municipal Airport. This information is located within the FAA National Based Aircraft Inventory Program, and should be reviewed and updated on a regular basis but hasn't for several years.

The amount of aircraft based at an airport plays a large role in the amount of federal funds an airport receives which is why an airport should claim as many N numbers as possible, however because of that it can be difficult to claim an N number from its former airport, which has been the case for a few airplanes that are based at our airport.

Bolton & Menk will log onto the based aircraft site to note these cases. This should result in those planes being released from their former airport and the Albert Lea Municipal Airport should be able to claim those planes and get them registered at our airport, therefore increasing our airports inventory and opportunity to receive as much federal funds as possible.

Airport operations is another component for receiving federal funds, the more flights flown and instrument departures and closures logged the higher amount of operations is reported for the airport. Flying often, flying the full flight plan, and completing instrument departures and closures are all ways pilots can help increase the volume of airport operations.

5) AWOS State Project

The City has received the grant and Bolton & Menk has completed the site evaluation. The site evaluation involves surveying the site and applying the data to the AWOS standards to determine if the current site is viable.

The data determined there are a few interfering objects within the 500' critical area and a few more in the 1000' critical area, see attachments. The 500' critical area requires all obstructions (trees, buildings, etc.) be cleared and the wind sensor must be 15' high. The 1000' critical area requires any obstructions within the radius be less than 15'.

Based off the data and analysis the new location appears to be the better option. The new location meets FAA siting criteria, meets the 500' critical radius requirements, doesn't require any obstruction removals, therefore eliminating the need for an environmental assessment, and it shouldn't affect the minimums. Additionally, City Council members have indicated they are not in favor of any tree removals which could pose an issue with council approval of the existing location.

After discussion, the board was not opposed to the new location. The next step will involve discussions between Bolton & Menk and the FAA to verify the details of each location.

6) Capital Improvement Project (CIP)

Because of the BIL funds, airports will be able to complete larger projects that wouldn't normally be feasible. Bolton & Menk has been working on options for these funds.

Based off the discussions from the last meeting Bolton & Menk presented a draft proposal of a 200' x 50', four bay hangar for approximately 1.5 million with design and construction in 2025. Jim Hanson expressed his concern with the width of the building, and requested a minimum of 60'. Further discussion involving a three bay hangar along with t-hangars and private hangars was held. The City's support of private hangars has been an ongoing question, Steve Jahnke informed the board that the City would support the construction of private hangars. The location of these structures was also discussed.

Key notes from the above conversations include:

- Construction a new SRE or retrofit the existing SRE building (the board favors new)
- Four bay hangar or a three bay hangar with location options
- Larger T hangar unit that can accommodate a 56-60' door width with a depth of 48'
- The location of hangar 17 may be a good location for a 6 unit hangar
- Private hangars at south end may make the most sense
- Finance options include construction in 2025 with borrowing from or 2026 without borrowing

Bolton & Menk will incorporate the comments from this meeting and present options to review at the next meeting.

7) Equipment Grant

Another grant the City will be applying for is a grant for mowing equipment. The State has approximately 2 million appropriated for airport equipment. Bolton & Menk has drafted the grant application and the City is working to get an updated quote. The last quote the City received was several years old, prices have changed and so has the opinion of the airport staff on the specifications of the equipment. The staff recommends upgrading to a rotatory mower, this would allow for heavier mowing and brush trimming needed at the airport. If granted, the City could receive up to \$200K.

8) Board Members/Terms

At the end of next year (2024) Craig Ludtke will have served two terms and will not be able to serve another term but can return to the board after a year off if willing to serve again. Michael Bowman will have served one term at the end of next year (2024) and can be reappointed if willing to serve another term. At the end of 2025 three board members (Chuck Sandager, Darren Schone and Jerry Morstad) will have served two terms and will not be able to serve another term until 2027.

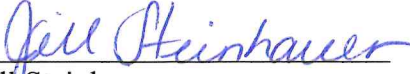
Elections are held each year, elections will be held at the next meeting. Currently Jerry Morstad is President, Darren Schone is Vice President and Craig Ludtke is Secretary.

9) New Business – No new business

The next meeting will be held **Tuesday, January 16, 2024 at 6:00pm** at the airport.

Darren Schone made a motion to adjourn, Chuck Sandager seconded it. The meeting was adjourned.

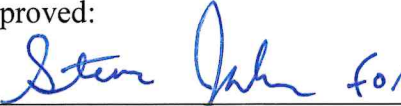
Respectfully submitted,



Jill Steinhauer

Public Works Office Specialist

Approved:



Craig Ludtke

Airport Advisory Board Secretary



ALBERT LEA MUNICIPAL AIRPORT (AEL)
AIRPORT BOARD MEETING
December 19, 2023
6:00 P.M.



1. Based Aircraft Registration

- a. BMI worked with Clark Hagen and Jim Hanson to update the list of aircraft based at AEL.
- b. Current number 44; an increase from the previously reported 37.
- c. 9 aircraft claimed by other airports which doesn't allow AEL to claim.

2. Automated Weather Observation System (AWOS) Replacement

- a. BMI has completed survey to identify obstacles.
- b. Current location has obstacles identified (trees) within the 500' and 1,000' critical radius.
- c. FAA AWOS Siting Order requires all obstacles 15' lower than the wind sensor within 500' radius and 10' lower within 1,000' radius unless proven not a sheltering obstruction.
- d. AWOS in current location at 33' or 40' wind sensor heights requires obstruction mitigation within 500' radius only.
- e. AWOS relocated approximately 450' northeast would clear both 500' and 1,000' radius.
- f. Decide locally preferred location before initiating discussion with MnDOT and FAA.

3. State FY 24 Equipment Grant Application

- a. MnDOT competitive application process for state funding for equipment grants.
- b. \$2 million in funding available.
- c. \$200,000 maximum for state funds per piece of equipment.
- d. AEL applying for a new mower.
- e. Funding participation would be 70% state; 30% local.

4. Capital Improvement Plan

- a. Attached is the revised CIP.
- b. SFY 2025 Project:
 - i. City Owned T-Hangar Repair - \$200,000
 - ii. 100LL Fuel Tank and Pad Replacement - \$125,000
 - iii. Ramp Lighting Upgrade to LED - \$25,000
- c. FFY 2025 Project
 - i. Four-Bay Hangar Construction - \$1,450,000
 - ii. See attached project layout.

Contact: Silas Parmar, P.E.
email: silas.parmar@bolton-menk.com
phone: (612) 987-0138



Condensed Header

Federal Aviation Administration

Aircraft List: Only Commented Tail Numbers Only Duplicates All Others

National Based Aircraft Inventory Program

BasedAircraft.com - Login page has FAQ's and link for User Support.

ALBERT LEA MUNI

ALBERT LEA, MN

Loc ID: AEL

Site Number: 10509.*A

S/L: GA

N-Number Duplicates: 0
Commented N-Numbers: 2

N-Numbers Reported by Other Apts: 9
Acft Not in Acft Reg: 2

Confirmation of Counts Date: 12/6/2023 3:38:54 PM By: STEVEN JAHNKE

*Type derived from FAA Aircraft Registration data.

**Total verified aircraft counts, excluding dups and aircraft not found in FAA Aircraft Registration data.

	In 5010 11/30/2023 (A)	In Inventory* (B)	Currently Validated** (C)
Single Engine	32	41	34
Multi Engine	3	11	7
Jet	1	1	1
Helicopter	1	2	2
Single, Multi, Jet, Heli	37	55	44

N Number	Data Entered by Inventory Type/Make/Model	Users Owner	Date Added	Reported by Other Apts	FAA BA Type	FAA Data (If N Number is found) Registrant	Make/Model
N1089M	CESSNA 182P SKYLANE	Clayton & Jill Petersen 22108 - 720th Avenue Albert Lea MN 56007-6125	5/14/2007	OWA-MN CESSNA 182P PETERSEN CLAYTON	Single Engine Cert: 08/27/2004 Airw: Standard Airw: 9/17/1975	PETERSEN CLAYTON 22108 720TH AVE ALBERT LEA, MN 56007	CESSNA 182P
N108F		Bill Koza	11/28/2023		Multi Engine Cert: 11/18/2014 Airw: Standard Airw: 4/13/2015	DEPT OF HOMELAND SECURITY 1300 PENNSYLVANIA AVE NW RM 6.4A WASHINGTON, DC 202290002	HAWKER BEEHCRAFT CORP B300C
N108NG			11/30/2023		Multi Engine Cert: 09/04/2023 Airw: Standard Airw: 5/29/2015	SOLARA AVIATION LLC 72099 WINEGLASS RD ALBERT LEA, MN 560075579	DIAMOND AIRCRAFT IND GMBH DA 42 NG
N1121R	Jet Aero Commander 1121	Albert Lea Airport, Inc. 400 Airport Road Albert Lea, MN. 56007	5/12/2011		Jet Cert: 04/11/1994 Airw: Standard Airw: 3/12/1969	ALBERT LEA AIRPORT 400 AIRPORT RD ALBERT LEA, MN 560072081	AERO COMMANDER 1121A
N1281A	Single Engine Kolb Firestar	Albert Lea Airport, Inc. 400 Airport Road Albert Lea, MN. 56007	5/12/2011		Single Engine Cert: 08/30/2007 Airw: Experimental Airw: 12/15/2007	ALBERT LEA AIRPORT INC 400 AIRPORT RD ALBERT LEA, MN 560072081	KOLB FIRESTAR
N151EL	Multi Engine Beech King Air 200	DIMA Corp 400 W. Front St Albert Lea, MN. 56007	1/18/2015		Multi Engine Cert: 11/14/2019 Airw: Standard Airw: 5/10/1978	LO-FINN AVIATION LLC 2501 CROSSROADS BLVD ALBERT LEA, MN 560074002	BEECH 200
N15311	Single Engine Piper PA-28-180	MN Flyers 6478 Farmer Trail Northfield, MN	9/15/2021		Single Engine Cert: 05/01/2023 Airw: Standard Airw: (Blank Date)	JOHNSON DARIN CHARLES 14412 550TH AVE WELLS, MN 560974215	PIPER PA-28-180
N17187	CESSNA 177B CARDINAL	Cloud Chasers Inc 2137 kenneth drive Road Albert Lea MN 56007-1416	5/14/2007		Single Engine Cert: 10/01/1979 Airw: Standard Airw: 7/13/1976	CLOUD CHASERS INC C/O CHARLES K SANDAGER 2137 KENNETH DR ALBERT LEA, MN 560074012	CESSNA 177B
N19824			11/28/2023	DVT-AZ Cessna 177B Jason Steele	Single Engine Cert: 04/10/2021 Airw: Standard Airw: 12/29/1976	GADOLA ALAN J 14057 95TH AVE N MAPLE GROVE, MN 553698935	CESSNA 177B
N2492N	CESSNA 120	Albert Lea Airport Inc 400 Airport Road Albert Lea MN 56007-2081	5/14/2007		Single Engine Cert: 02/10/1994 Airw: Standard Airw: 8/28/1956	ALBERT LEA AIRPORT INC 400 AIRPORT RD ALBERT LEA, MN 560072081	CESSNA 120
N260BK		Bill Koza	12/6/2023		Not found in FAA Aircraft Registration Airw: (Blank) Airw: (Blank Date)		
N28360	Single Engine PIPER PA28-161 CHEROKEE WARRIOR II	Albert Lea Airport, Inc. 400 Airport Road Albert Lea, MN. 56007	5/14/2007		Single Engine Cert: 03/08/2018 Airw: Standard Airw: 4/9/1979	ALBERT LEA AIRPORT INC 400 AIRPORT RD ALBERT LEA, MN 560072081	PIPER PA-28-161
N3048R	PIPER PA44-180 SEMINOLE	Albert Lea Airport, Inc. 400 airport road Albert Lea MN 56007	5/14/2007		Multi Engine Cert: 07/29/2014 Airw: Standard Airw: 2/23/1979	ALBERT LEA AIRPORT INC 400 AIRPORT RD ALBERT LEA, MN 560072081	PIPER PA-44-180
N30TB	Beech Aircraft BE-58	Albert Lea Airport, Inc 400 Airport Rd Albert Lea, Mn. 56007	9/10/2021		Multi Engine Cert: 01/07/2021 Airw: Standard Airw: 7/22/1970	ALBERT LEA AIRPORT INC 400 AIRPORT RD ALBERT LEA, MN 560072081	BEECH 58
N340DB	Single Engine Bede BD-5	William J. Koza 1014 Cedar Ave Albert Lea, MN. 560071522	1/18/2015		Single Engine Cert: 12/13/2011 Airw: Experimental Airw: 12/19/2007	KOZA WILLIAM J 1014 CEDAR AVE ALBERT LEA, MN 560071522	BEEBE-DENNIS BD-5
N3456P			11/30/2023	5A9-GA Piper PA23 James Pinkepank OWA-MN	Multi Engine Cert: 11/09/2022 Airw: Standard Airw: 6/24/1958	PETERSEN CLAYTON 22108 720TH AVE ALBERT LEA, MN 560076125	PIPER PA-23-160

N3458W	PIPER PA32-260 CHEROKEE 6	Keith A Miller & Donald L Peterson Route 3 Box 85 Blooming Prairie MN 55917-9523	5/14/2007	Single Engine Cert: 07/24/2020 Airw: Standard Airw: 1/25/1966	BERQUIST GLENN A 79 AZALEA TRL COLUMBUS, MS 397050366	PIPER PA-32-260
N35340	CESSNA 172I SKYHAWK	Larry J Wangen 85161 - 245th Street Albert Lea MN 56007-7618	5/14/2007	Single Engine Cert: 10/11/2022 Airw: Standard Airw: 4/5/1968	JONES DONALD E 300 CENTRAL AVE N HOLLANDALE, MN 560454147	CESSNA 172I
N39704	Aircraft sold last month to a flying club, but will still based here. Still registered to Wangen.		11/28/2023	Multi Engine Cert: 07/31/2007 Airw: Standard Airw: 9/23/1978	SUNRISE AVIATION 740 AIRPORT RD ORMOND BEACH, FL 321748755	PIPER PA-44-180
N3970Y			11/28/2023	FMY-FL Cessna 210D Richard Bohler Has a current ramp agreement @ FMY Single Engine Cert: 09/15/2007 Airw: Standard Airw: 8/11/1964	BOHLER RICHARD C 1018 SE 38TH ST # 101 CAPE CORAL, FL 339048131	CESSNA 210D
N4039P			11/30/2023	OWA-MN PIPER PA-23-160 PETERSEN CLAYTON L Multi Engine Cert: 05/12/2023 Airw: Standard Airw: (Blank Date)	PETERSEN CLAYTON L 22108 720TH AVE ALBERT LEA, MN 560076125	PIPER PA-23-160
N41265			11/30/2023	PTK-MI Beechcraft Baron BE95-55 AV Advantage LLC (Kenneth Kojaian) 09/08/2021 New Tenant/Aircraft. MD Single Engine Cert: 08/11/2022 Airw: Standard Airw: 1/16/1974	360 AVIATION LLC 402 AIRPORT RD ALBERT LEA, MN 560072081	PIPER PA-28-180
N4254P			11/30/2023	OWA-MN PIPER PA-23-160 PETERSEN CLAYTON L Multi Engine Cert: 05/25/2022 Airw: Standard Airw: 6/25/1959	PETERSEN CLAYTON L 22108 720TH AVE ALBERT LEA, MN 560076125	PIPER PA-23-160
N4388C	Single Engine Piper Warrior	albert lea airport, inc 400 airport road albert lea, mn. 56007	5/12/2011	Single Engine Cert: 08/31/2020 Airw: Standard Airw: 12/4/1984	ALBERT LEA AIRPORT INC 400 AIRPORT RD ALBERT LEA, MN 560072081	PIPER PA-28-161
N4889	Helicopter Enstrom F-28A	Albert Lea Airport, Inc. Rt. 4 Box 1 Albert Lea, MN. 56007	5/11/2011	Helicopter Cert: 02/11/1987 Airw: Standard Airw: 5/30/1969	ALBERT LEA ARPT INC RT 4 BOX 1 ALBERT LEA, MN 56007	ENSTROM F-28A
N5066Z			11/30/2023	Single Engine Cert: 11/30/2015 Airw: Experimental Airw: 7/7/2006	JONES DONALD E PO BOX 76 HOLLANDALE, MN 560450076	QUICKSILVER SPRINT 2
N51273	MAULE M-4-210C	Paul O Stieler 2035 Kevin Drive Albert Lea MN 56007-4013	5/14/2007	Single Engine Cert: 07/16/1998 Airw: Standard Airw: 8/20/1981	STIELER PAUL O 2035 KEVIN DR ALBERT LEA, MN 560074013	MAULE M-4-210C
N51548	(Non 5010) Raven S-55 balloon	Air Albert Lea rt. 4 box 1 albert lea, MN. 56007	5/12/2011	(Non 5010) Cert: 02/08/1985 Airw: Standard Airw: 12/7/1973	AIR ALBERT LEA MUNICIPAL AIRPORT ALBERT LEA, MN 56007	RAVEN S55A
N5605N	Raven S-55 Balloon	Albert Lea Airport, Inc 400 airport road albert lea, MN. 56007	1/19/2018	(Non 5010) Cert: 12/05/2015 Airw: Experimental Airw: 9/22/2007	IFLY4U LLC 4801 WOODBERRY LN BENTON, LA 710069360	POWRACHUTE PC 2000
N56839	Single Engine Challenger Challenger 1	Dennis Colstrup 522 Pleasant Ave. Albert Lea, MN. 56007	5/13/2011	Single Engine Cert: 10/18/2007 Airw: Experimental Airw: 12/15/2007	COLSTRUP DENNIS J 522 PLEASANT AVE ALBERT LEA, MN 560074436	COLSTRUP DENNIS J CHALLENGER I
N5696A	Single Engine Cessna 172	Harlan W. Wyborn 2041NW 182nd Ter Pembroke Pines, Fla 33029-3712	1/19/2018	Single Engine Cert: 12/26/2018 Airw: Standard Airw: 1/24/1956	CARDINAL WINGS INC 3900 WELLS LAKE WAY FARIBAULT, MN 550217810	CESSNA 172
N5702F	PIPER PA28-140 CHEROKEE	William J Koza 1014 Cedar Avenue Albert Lea MN 56007-1522	5/14/2007	Single Engine Cert: 12/19/2006 Airw: Standard Airw: 9/13/1968	KOZA WILLIAM J 1014 CEDAR AVE ALBERT LEA, MN 560071522	PIPER PA-28-140
N5705N			11/28/2023	(Non 5010) Cert: 05/02/1984 Airw: Standard Airw: 11/28/1979	SOUTHERN MINNESOTA BALLOON CLUB INC 9566 OXBOROUGH CURVE BLOOMINGTON, MN 55437	RAVEN S55A (DEREG Canceled 10/2013)
N5708Z	Single Engine piper PA-22-108	Steven J Santee 2488 Malmquist Ave Apt 213 Red Wing, MN. 55066-3982	1/19/2018	Single Engine Cert: 08/27/2015 Airw: Standard Airw: (Blank Date)	SANTEE STEVEN J 32108 775TH AVE ELLENDALE, MN 560264214	PIPER PA-22-108
N61669	Single Engine tierra	Steven Roger Peterson 25014 640th Ave. Alden, MN. 560094284	1/18/2015	Single Engine Cert: 05/11/2023 Airw: Experimental Airw: 12/15/2007	HAMBY SCOTT 25379 CASTLE ROCK TRL CUSTER, SD 577308179	GOLDEN CIRCLE AIR INC T-BIRD

N62013	Maule M-5-220C	Steve Anderson Albert Lea, MN	9/15/2021	Single Engine Cert: 05/13/2021 Airw: Standard Airw: 1/28/1975	ANDERSEN STEVE 77842 175TH ST ALBERT LEA, MN 560075607	MAULE M-5-220C
N63362			11/30/2023	Single Engine Cert: 07/20/2023 Airw: Standard Airw: 9/4/1975	PETERSEN CLAYTON L 22108 720TH AVE ALBERT LEA, MN 560076125	CESSNA 150M
N64062	CESSNA 172M SKYHAWK	M G Ent of Albert Lea Inc, M J Drescher, P 65560 - 180th Street Alden MN 56009-5526	5/14/2007	Single Engine Cert: 01/09/1985 Airw: Multiple Airw: 1/6/1989	M G ENTERPRISES OF ALBERT LEA CESSNA 172M INC 65560 180TH ST ALDEN, MN 560095526	
N6801D	Nesmith Cougar	Jerry Morstad 1316 Fountain St. Albert Lea, MN. 56007	5/17/2011	Single Engine Cert: 08/13/2014 Airw: Experimental Airw: 7/17/1975	MORSTAD JERRY D 1316 W FOUNTAIN ST ALBERT LEA, MN 560071662	COUGAR 1
N70598			11/30/2023	ACQ-MN Cessna U206F Lucas Routh Single Engine Cert: 02/13/2014 Airw: Standard Airw: 6/13/1973	ROUTH LUCAS R 72159 WINEGLASS RD ALBERT LEA, MN 560075580	CESSNA U206F
N7242E	Single Engine Cessna 182 Skylane	Richard Stadheim 75079 240th St. Albert Lea, MN 56007	1/18/2015	Single Engine Cert: 11/08/2013 Airw: Standard Airw: 7/17/1959	S S FARMS OF FREEBORN COUNTY INC 75079 240TH ST ALBERT LEA, MN 560076064	CESSNA 182B
N7253Q	Cessna 172	Harry's Hawks Wells, MN	9/15/2021	Single Engine Cert: 04/01/2015 Airw: Restricted Airw: 6/12/1972	HARRY'S HAWKS 54720 STATE HIGHWAY 109 WELLS, MN 560976102	CESSNA 172L
N727JH	Single Engine Lake LA-4-200	Albert Lea Airport, Inc. 400 Airport Road Albert Lea, MN. 56007	1/18/2015	Single Engine Cert: 04/24/2012 Airw: Standard Airw: 2/17/1998	ALBERT LEA AIRPORT INC 400 AIRPORT RD ALBERT LEA, MN 560072081	LAKE LA-4-200
N741SR	CIRRUS DESIGN CORP SR20	Commodity Marketing Co. Inc, Craig Ludtke 119 S Newton Avenue Albert Lea MN 56007-2524	5/14/2007	Single Engine Cert: 02/01/2007 Airw: Standard Airw: 11/17/2006	COMMODITY MARKETING CO INC 703 ALGON ST ALBERT LEA, MN 560072069	CIRRUS DESIGN CORP SR20
N7432N	Single Engine Cessna 182	David F. Jensen 27895 750th Ave. Clarks Grove, MN. 560164029	1/18/2015	Single Engine Cert: 07/18/1987 Airw: Standard Airw: 8/9/1974	JENSEN DAVID F 27895 750TH AVE CLARKS GROVE, MN 560164029	CESSNA 182P
N750J	Jabiru J230SP	Michael A Carstens Austin, MN	9/15/2021	Single Engine Cert: 06/15/2021 Airw: Experimental Airw: 10/6/2021	CARSTENS MICHAEL A 2016 6TH AVE NE AUSTIN, MN 559124125	JABIRU USA SPORT AIRCRAFT LLC J230-SP
	Owner lives in Austin, MN but they don't have hangars--aircraft has been hangared here for over a year					
N80375			11/28/2023	Multi Engine Cert: 11/09/1977 Airw: Standard Airw: (Blank Date)	SWIFT AIR CHARTER INC AMF BOX 81242 CLEVELAND, OH 44181	BEECH D18S (DEREG Canceled 02/2017)
N8037K		Bill Koza	12/6/2023	Single Engine Cert: 05/07/1992 Airw: Standard Airw: 1/14/1956	VOGT CARL H BOX 411 TRUMAN, MN 56088	STINSON 108-2 (DEREG Canceled 05/2013)
N80812	Single Engine Ackland, Les Titan	Les Ackland 23250 St. Hwy. 13 Albert Lea, MN. 56007	5/14/2011	Single Engine Cert: 07/30/2007 Airw: Experimental Airw: 10/11/2007	ACKLAND LES E 23250 STATE HIGHWAY 13 ALBERT LEA, MN 560074924	ACKLAND LES E TITAN
N80KJ	Single Engine homebuilt Zenith 750	Albert Lea Airport, Inc. 400 Airport Road Albert Lea, MN. 56007	9/14/2021	Single Engine Cert: 07/22/2021 Airw: Experimental Airw: 11/30/2010	ALBERT LEA AIRPORT INC 400 AIRPORT RD ALBERT LEA, MN 560072081	HINER KIRK J ZENITH CH 750
N838J		Bill Koza	12/6/2023	Not found in FAA Aircraft Registration Airw: (Blank) Airw: (Blank Date)		
N83BK	Single Engine Tierra 001	William Koza 1014 Cedar Ave. Albert Lea, MN. 56007	5/13/2011	Single Engine Cert: 07/23/2007 Airw: Experimental Airw: 10/11/2007	KOZA WILLIAMS J 1014 CEDAR AVE ALBERT LEA, MN 560071522	KOZA WILLIAM J TIERRA
N8602V	Single Engine Bellanca 7 ECA	Daniel J. Schumacher 83442 130th St. Glenville, MN. 56036	5/13/2011	Single Engine Cert: 11/16/2011 Airw: Standard Airw: 12/3/1974	SCHUMAKER DANIEL J 83442 130TH ST GLENVILLE, MN 560364188	BELLANCA 7ECA
N8NG			11/28/2023	Multi Engine Cert: 04/02/2019 Airw: Standard Airw: 2/10/1971	RETAIL CONTRACTING GROUP INC 6230 10TH ST N STE 210 OAKDALE, MN 551286158	
N9093S	Pipeer pa-28-181	ellis, derek j	4/28/2020	Single Engine Cert: 05/26/2021 Airw: Standard Airw: 11/19/1985	ELLIS DEREK J 23343 580TH AVE AUSTIN, MN 559126510	PIPER PA-28-181
N914RP			11/30/2023	Helicopter Cert: 07/03/2018 Airw: Standard Airw: 9/20/2006	CALF SAVERS LLC 111 E CLARK ST ALBERT LEA, MN 560074580	ROBINSON HELICOPTER COMPANY R44 II
N91966			11/28/2023	Single Engine Cert: 02/24/2022	SOLARA AVIATION LLC 72099 WINEGLASS RD	CESSNA 172R

				Airw: (Blank) Airw: (Blank Date)	ALBERT LEA, MN 560075579	
N93097	Single Engine Dennis J. Colstrup Mini-Max	Dennis J. Colstrup 522 Pleasant Ave. Albert Lea, MN. 56007	5/13/2011	Single Engine Cert: 07/18/2007 Airw: Experimental Airw: 9/5/2007	COLSTRUP DENNIS J 522 PLEASANT AVE ALBERT LEA, MN 560074436	COLSTRUP DENNIS J MINI MAX 1600R
N9554L			11/28/2023	MGY-OH Grumman AA-5 David Kisner	Single Engine Cert: Airw: Standard Airw: 11/5/1974	REGISTRATION PENDING 321 MEMORIAL DR SW BLOOMING PRAIRIE, MN 559171354 AVN. CORP. AA-5
N9961Y	Champion 7FC	Champ Flyers LLC Chippewa Falls, WI	9/15/2021	Single Engine Cert: 05/28/2022 Airw: Standard Airw: 6/25/1963	SCHONE AVIATION LLC 71767 154TH ST ALBERT LEA, MN 560075426	CHAMPION 7FC

Total Currently Validated Aircraft Excluding Duplicates & Acft. Not Found in FAA Acft. Reg. Data: 46

SECURITY SENSITIVE INFORMATION WARNING: This data contains Sensitive Security Information that is controlled under 49 CFR parts 15 and 1520. No part of this record may be disclosed to persons without a "need to know", as defined in 49 CFR parts 15 and 1520, except with the written permission of the Administrator of the Transportation Security Administration or the Secretary of Transportation. Unauthorized release may result in civil penalty or other action. For U.S. Government agencies, public disclosure is governed by 5 U.S.C. 552 and 49 CFR parts 15 and 1520.

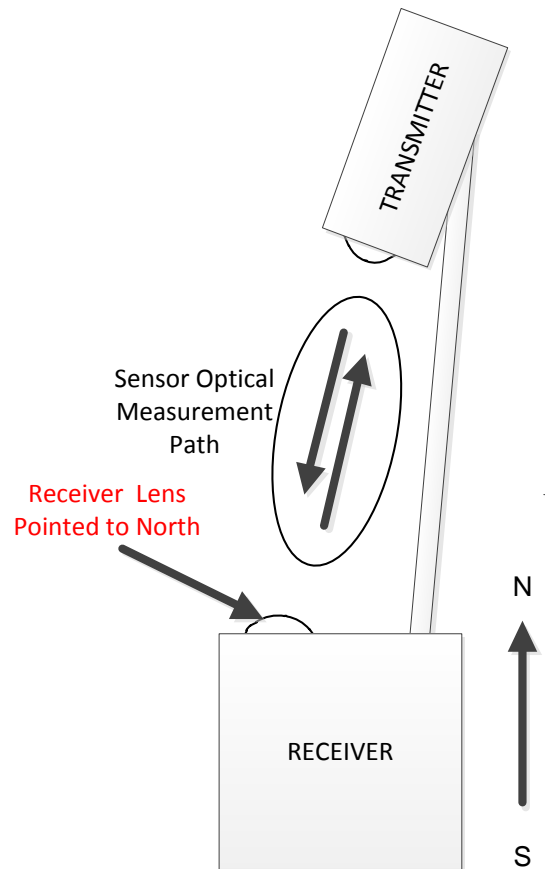
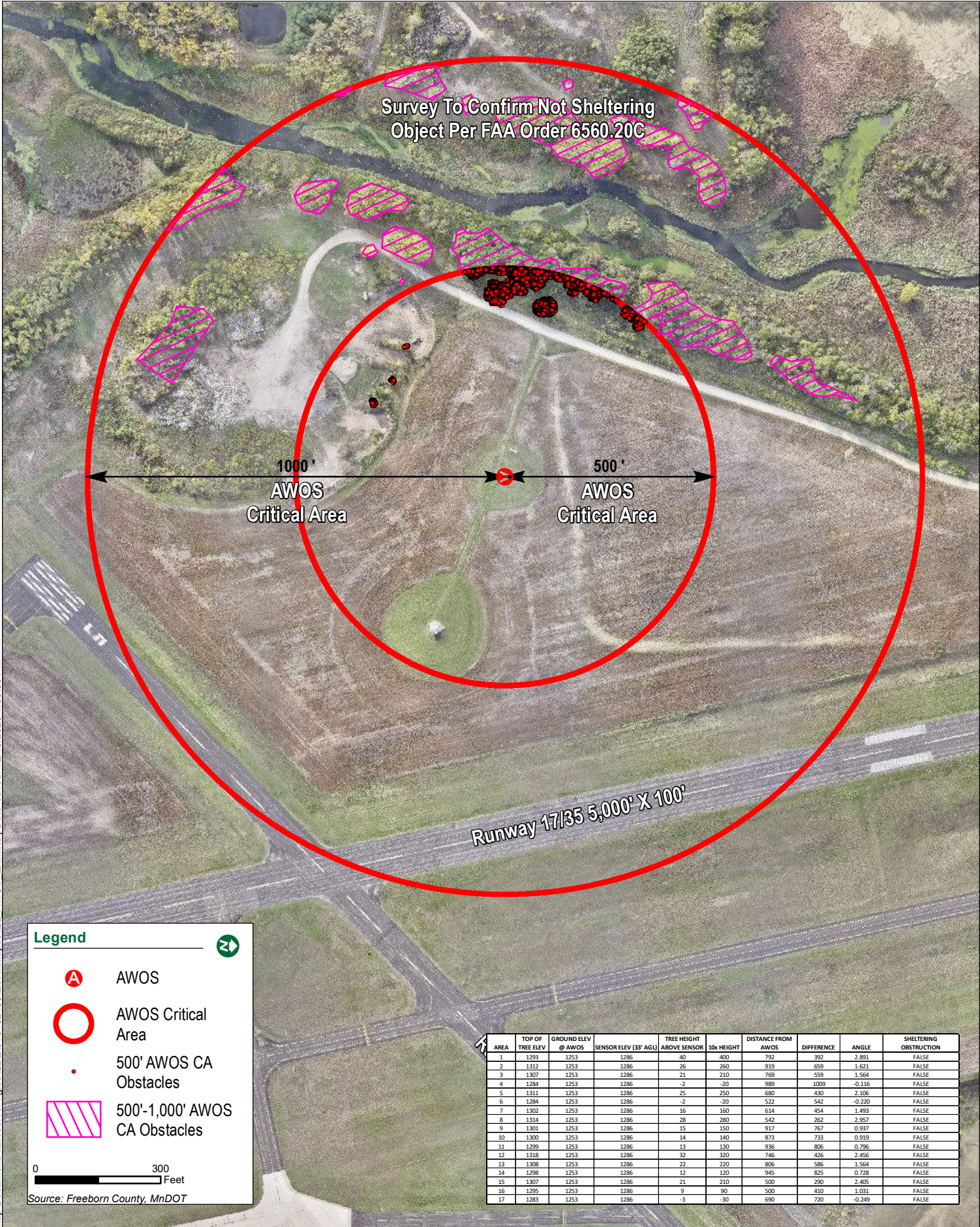


Figure 2-1. Visibility Sensor Alignment to North

2-5. Wind Sensor. The wind sensor (wind speed and wind direction) for AWOS and SWS must be oriented with respect to true North. The surveyor point used to establish the anemometer wind direction orientation must be permanently installed and marked as a reference benchmark for future use. The system software must be used to make required adjustments to magnetic North. The wind sensors (wind speed and wind direction) for SAWS, WEF, WME, and standalone weather equipment must be oriented with respect to magnetic North. The site should be relatively level, but small gradual slopes are acceptable. All alignments listed above are for the wind sensor itself, not the pole or tower.

The sensor must be mounted at 30 to 33 feet (9 to 10 meters) above the average ground height within a radius of 500 feet (150 meters). All obstructions (e.g., vegetation, buildings, etc.) must be at least 15 feet lower than the height of the sensor within the 500 foot radius and be at least 10 feet lower than the height of the sensor from 500 to 1000 feet (see figure 2-2). Where this desired location and clearance is difficult to achieve due to physical or economic reasons, the following definitions should be followed: An object will become a sheltering obstruction if the distance between the sensor and the object is less than ten times the height of the object and the lateral angle from the sensor to the ends of the object exceeds 10 degrees. Sheltering obstructions should be avoided by location choice or removed, if possible. The sensor must also be located such that it is not subject to jet blast from aircraft during engine run-up or taxiing. It must be located such that it is not susceptible to wake vortices from departing or landing aircraft.



Survey To Confirm Not Sheltering
Object Per FAA Order 6560.20C

1000'
AWOS
Critical Area

500'
AWOS
Critical Area

Runway 17/35 5,000' X 100'

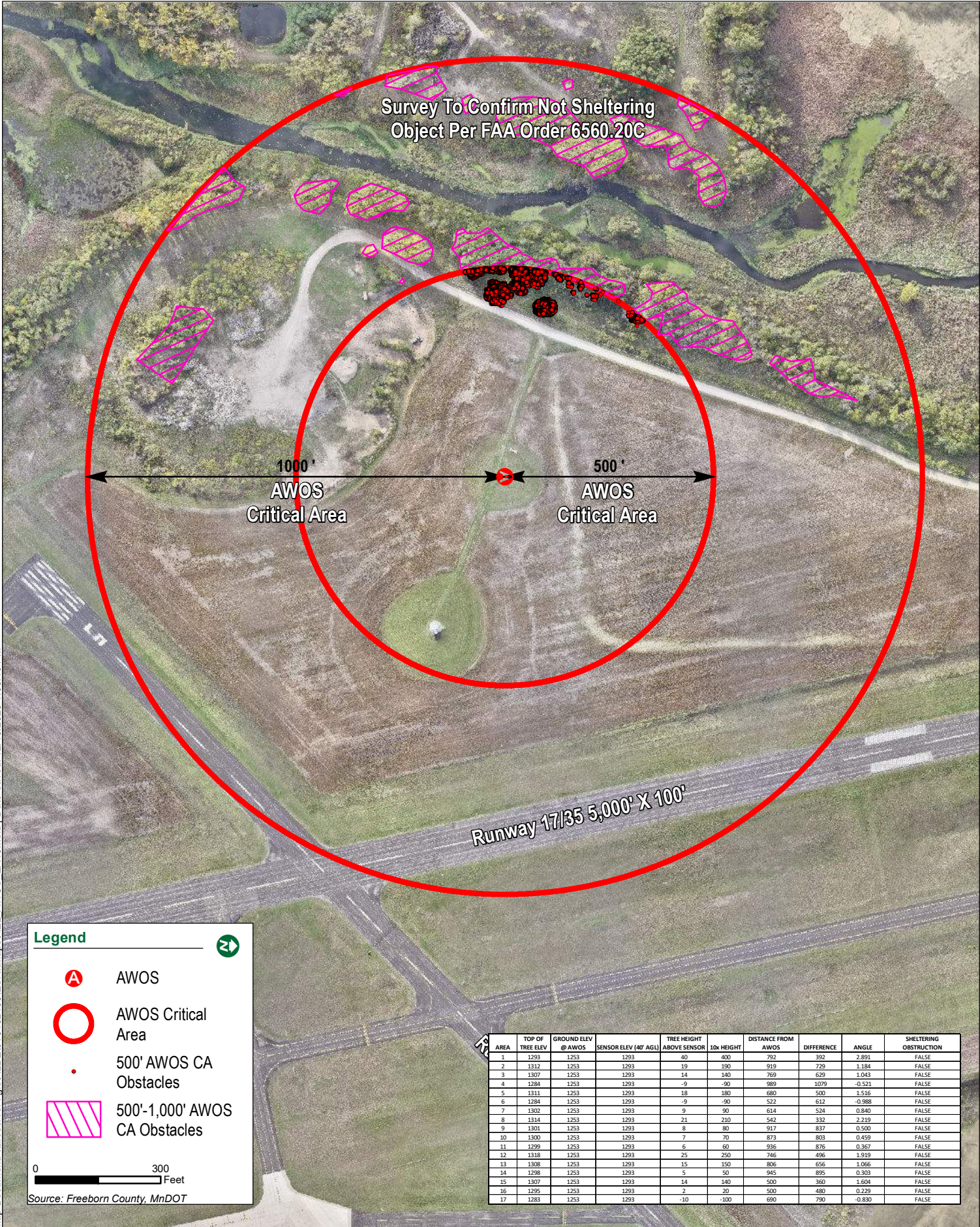
Legend

- A AWOS
- AWOS Critical Area
- 500' AWOS CA Obstacles
- 500'-1,000' AWOS CA Obstacles







Source: Freeborn County, MnDOT

AREA	TOP OF TREE ELEV	GROUND ELEV @ AWOS	SENSOR ELEV (33' AGL)	TREE HEIGHT ABOVE SENSOR	10x HEIGHT	DISTANCE FROM AWOS	DIFFERENCE	ANGLE	SHELTERING OBSTRUCTION
1	1295	1253	1286	40	400	792	392	2.891	FALSE
2	1312	1253	1286	26	260	919	659	1.631	FALSE
3	1307	1253	1286	21	210	769	559	1.564	FALSE
4	1284	1253	1286	-2	-20	989	1009	-0.116	FALSE
5	1311	1253	1286	25	250	680	430	2.106	FALSE
6	1284	1253	1286	-2	-20	522	542	-0.220	FALSE
7	1302	1253	1286	16	160	614	454	1.493	FALSE
8	1314	1253	1286	28	280	542	262	2.857	FALSE
9	1301	1253	1286	15	150	917	767	0.937	FALSE
10	1300	1253	1286	14	140	873	733	0.919	FALSE
11	1299	1253	1286	13	130	936	806	0.796	FALSE
12	1318	1253	1286	32	320	746	426	2.456	FALSE
13	1308	1253	1286	22	220	806	586	1.564	FALSE
14	1298	1253	1286	12	120	945	825	0.728	FALSE
15	1307	1253	1286	21	210	600	290	2.405	FALSE
16	1295	1253	1286	9	90	500	410	1.031	FALSE
17	1283	1253	1286	-3	-30	690	720	-0.249	FALSE



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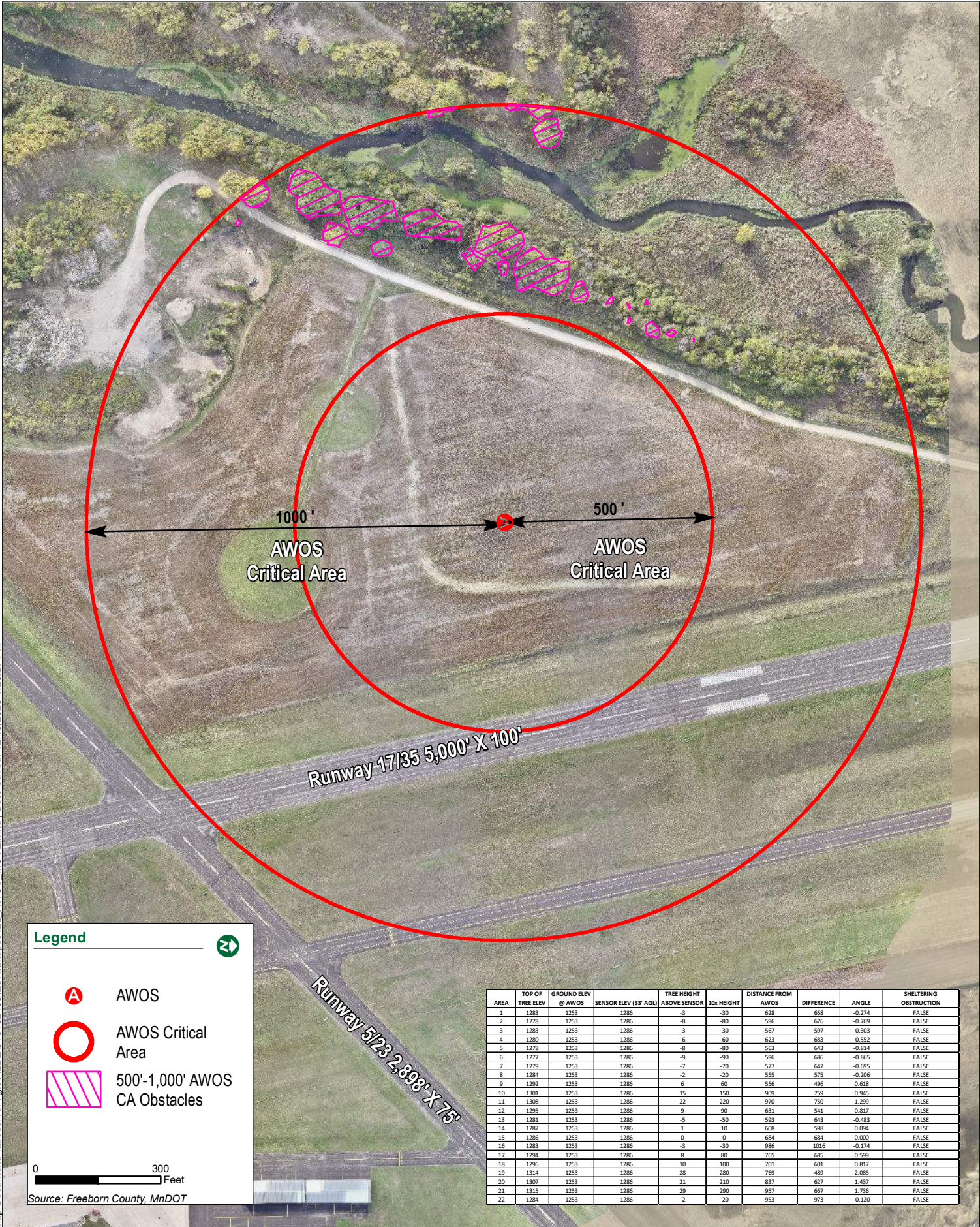
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-  AWOS
-  AWOS Critical Area
-  500' AWOS CA Obstacles
-  500'-1,000' AWOS CA Obstacles

0 300 Feet

Source: Freeborn County, MnDOT

AREA	TOP OF TREE ELEV	GROUND ELEV @ AWOS	SENSOR ELEV (40' AGL)	TREE HEIGHT ABOVE SENSOR	10x HEIGHT	DISTANCE FROM AWOS	DIFFERENCE	ANGLE	SHELTERING OBSTRUCTION
1	1293	1253	1293	40	400	792	392	2.891	FALSE
2	1312	1253	1293	19	190	919	729	1.194	FALSE
3	1307	1253	1293	14	140	769	609	1.043	FALSE
4	1284	1253	1293	-9	-90	989	1079	-0.521	FALSE
5	1311	1253	1293	18	180	680	500	1.516	FALSE
6	1284	1253	1293	-9	-90	522	612	-0.988	FALSE
7	1302	1253	1293	9	90	614	524	0.840	FALSE
8	1324	1253	1293	21	210	542	332	2.219	FALSE
9	1301	1253	1293	8	80	917	837	0.500	FALSE
10	1300	1253	1293	7	70	873	803	0.459	FALSE
11	1299	1253	1293	6	60	936	876	0.367	FALSE
12	1318	1253	1293	25	250	746	496	1.919	FALSE
13	1308	1253	1293	15	150	806	656	1.066	FALSE
14	1298	1253	1293	5	50	945	895	0.303	FALSE
15	1307	1253	1293	14	140	500	360	1.604	FALSE
16	1295	1253	1293	2	20	500	480	0.229	FALSE
17	1283	1253	1293	-10	-100	690	790	-0.830	FALSE



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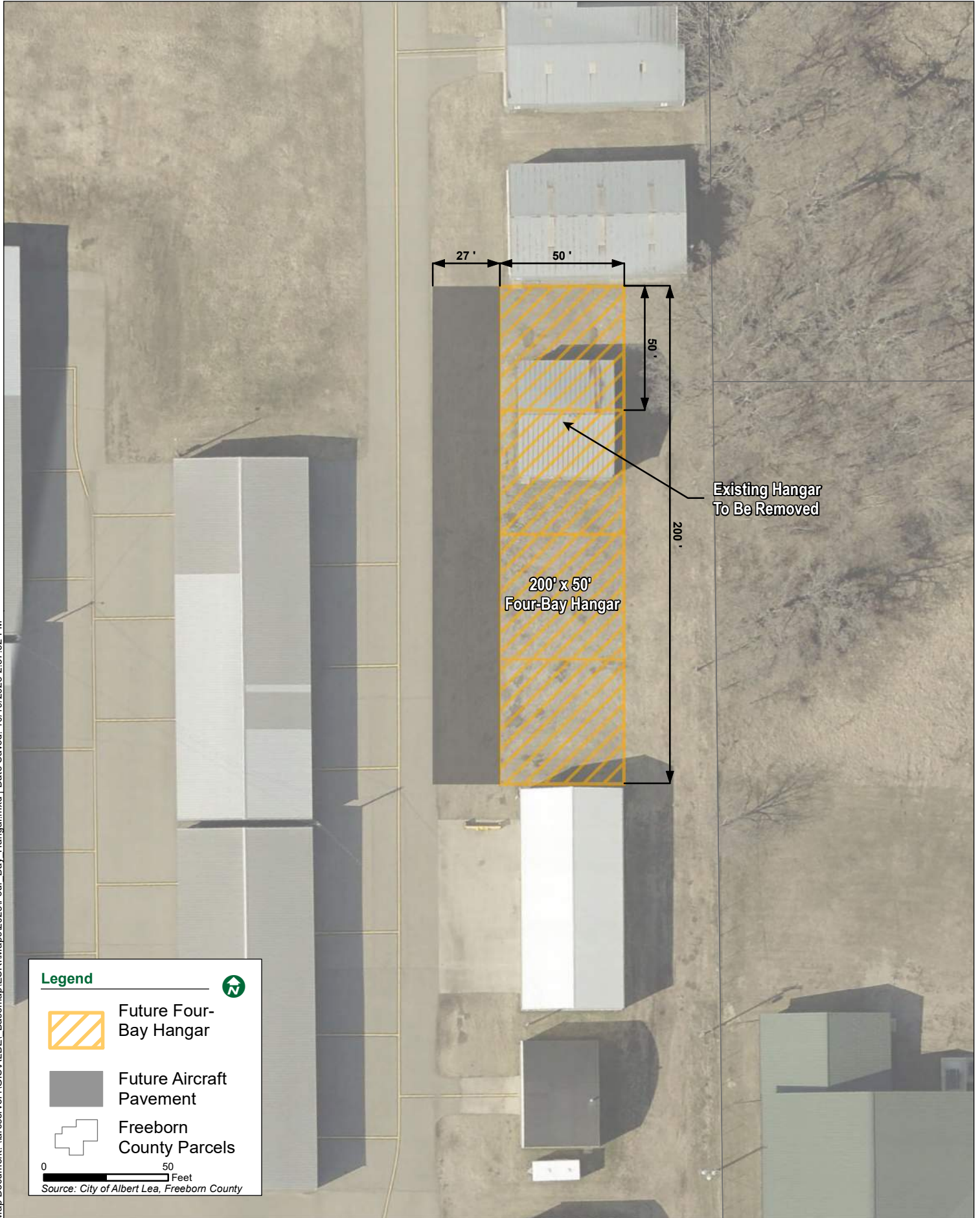
Legend

- A AWOS
- AWOS Critical Area
- 500'-1,000' AWOS CA Obstacles

0 300
Feet

Source: Freeborn County, MnDOT

AREA	TOP OF TREE ELEV	GROUND ELEV @ AWOS	SENSOR ELEV (33' AGL)	TREE HEIGHT ABOVE SENSOR	10x HEIGHT	DISTANCE FROM AWOS	DIFFERENCE	ANGLE	SHELTERING OBSTRUCTION
1	1283	1253	1286	-3	-30	628	658	-0.274	FALSE
2	1278	1253	1286	-8	-80	596	676	-0.769	FALSE
3	1283	1253	1286	-3	-30	567	597	-0.303	FALSE
4	1280	1253	1286	-6	-60	623	683	-0.552	FALSE
5	1278	1253	1286	-8	-80	563	643	-0.814	FALSE
6	1277	1253	1286	-9	-90	596	686	-0.865	FALSE
7	1279	1253	1286	-7	-70	677	687	-0.095	FALSE
8	1284	1253	1286	-2	-20	555	575	-0.206	FALSE
9	1292	1253	1286	6	60	556	496	0.618	FALSE
10	1301	1253	1286	15	150	909	759	0.945	FALSE
11	1308	1253	1286	22	220	970	750	1.299	FALSE
12	1295	1253	1286	9	90	631	541	0.817	FALSE
13	1283	1253	1286	-5	-50	593	643	-0.483	FALSE
14	1287	1253	1286	-1	-10	608	598	0.094	FALSE
15	1286	1253	1286	0	0	684	684	0.000	FALSE
16	1283	1253	1286	-3	-30	986	1016	-0.174	FALSE
17	1294	1253	1286	8	80	765	685	0.599	FALSE
18	1296	1253	1286	10	100	701	601	0.817	FALSE
19	1314	1253	1286	28	280	769	489	2.085	FALSE
20	1307	1253	1286	21	210	637	627	1.437	FALSE
21	1315	1253	1286	29	290	957	667	1.726	FALSE
22	1284	1253	1286	-2	-20	953	973	-0.120	FALSE



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ALBERT LEA MUNICIPAL AIRPORT (AEL)

FFY 2024 - 2028 CIP

11/21/2023

DRAFT



State FY	Fed Description	FAA %	Funding % Rates		Project Cost	Federal Entitlement Funding	Federal Bill Funding	Additional Federal Funding	State Funding	Local Funding	Federal Entitlement Balance	
			State %	Local %							Federal Entitlement Balance	Federal Bill Balance
FFY 2024												
2026	2025	0%	70%	30%	\$ 200,000.00	\$ -	\$ -	\$ -	\$ 140,000.00	\$ 60,000.00	\$ 300,000.00	\$ 408,982.00
CITY OWNED T-HANGARS REPAIR (DOORS, ROOF, LIGHTING)												
2026	2025	0%	70%	30%	\$ 125,000.00	\$ -	\$ -	\$ -	\$ 87,500.00	\$ 37,500.00	\$ 300,000.00	\$ 408,982.00
100LL FUEL TANK AND PAD REPLACEMENT (8,000 GAL)												
2026	2025	0%	70%	30%	\$ 25,000.00	\$ -	\$ -	\$ -	\$ 17,500.00	\$ 7,500.00	\$ 300,000.00	\$ 408,982.00
RAMP LIGHTING UPGRADE TO LED												
FFY 2024 TOTALS \$ 350,000.00 \$ - \$ 245,000.00 \$ 105,000.00												
FFY 2025												
2026	2025	100%	0%	0%	\$ 300,000.00	\$ 300,000.00	\$ -	\$ -	\$ -	\$ -	\$ 450,000.00	\$ 553,982.00
BORROW ENTITLEMENTS FROM TWO (2) SPONSORS												
2026	2025	90%	5%	5%	\$ 1,448,868.89	\$ 750,000.00	\$ 553,982.00	\$ -	\$ 72,443.44	\$ 72,443.44	\$ -	\$ -
FOUR-BAY HANGAR (200'X50') DESIGN & CNST (FFY 25 AIP/BIL)												
2026	2025	0%	70%	30%	\$ 100,000.00	\$ -	\$ -	\$ -	\$ 70,000.00	\$ 30,000.00	\$ -	\$ -
FOUR-BAY HANGAR RADIANT HEATING SYSTEM												
FFY 2025 TOTALS \$ 1,548,868.89 \$ 750,000.00 \$ 553,982.00 \$ 142,443.44 \$ 102,443.44												
FFY 2026												
2027	2026	100%	0%	0%	\$ 150,000.00	\$ 150,000.00	\$ -	\$ -	\$ -	\$ -	\$ 150,000.00	\$ 145,000.00
REPAY BORROWED ENTITLEMENT FUNDS (FFY 26)												
2027	2026	90%	5%	5%	\$ 67,161.11	\$ -	\$ 60,445.00	\$ -	\$ 3,358.06	\$ 3,358.06	\$ -	\$ 84,555.00
FOUR-BAY HANGAR BIL FUND PRORATION (FFY 26-BIL)												
FFY 2026 TOTALS \$ 67,161.11 \$ - \$ 60,445.00 \$ 3,358.06 \$ 3,358.06												
FFY 2027												
2028	2027	100%	0%	0%	\$ 150,000.00	\$ 150,000.00	\$ -	\$ -	\$ -	\$ -	\$ 150,000.00	\$ 84,555.00
REPAY BORROWED ENTITLEMENT FUNDS (FFY 27)												
FFY 2027 TOTALS \$ - \$ - \$ - \$ - \$ -												
FFY 2028												
2029	2028	90%	5%	5%	\$ 380,000.00	\$ 150,000.00	\$ 84,555.00	\$ 107,445.00	\$ 19,000.00	\$ 19,000.00	\$ -	\$ -
LAND ACQ. RWY 17 RPZ (PARCEL 19 15.69 ACRES) (FFY 28)												
2029	2028	90%	5%	5%	\$ 50,000.00	\$ -	\$ -	\$ 45,000.00	\$ 2,500.00	\$ 2,500.00	\$ -	\$ -
RWY 17 RPZ OBSTRUCTION REMOVALS (FFY 28)												
FFY 2028 TOTALS \$ 430,000.00 \$ 150,000.00 \$ 84,555.00 \$ 152,445.00 \$ 21,500.00 \$ 21,500.00												