

Appendix B

RUNWAY SUPPORT LETTERS

This appendix serves to present documentation provided by operators at Baraboo-Wisconsin Dells Regional Airport (DLL) in support of increasing the length of Runway 1-19. The runway is currently 5,010 feet long and is reported to be restrictive to aircraft operators for given conditions, including wet surfaces, hot days, and higher useful loads. Surveys were conducted and respondents provided written letters expressing support for improving the conditions at the airport. In addition to a runway extension, the surveys rated various facilities at the airport, including aircraft storage, fuel facilities, crew amenities, and more. Common concerns with the airport include a need for additional large-span conventional hangars, approach lighting systems, supplementary wind cones, and improved taxiway/taxilane access.

The following table provides a summary of the runway length requirements as provided by the respondents, as well as the aircraft type and the expected number of annual operations moving forward. The total number of operations for each aircraft category for 2021 and 2022 is also presented as reported by the Federal Aviation Administration (FAA) Traffic Flow Management System Counts (TFMSC) database. A secondary table shows the different types of aircraft that are being considered for purchase by some of these operators and the overall runway length requirement that would satisfy the acquisition of the aircraft and locating it to DLL.

These runway length requirements and facility improvement suggestions were all considered during the alternatives phase of this master plan. It should be noted that, although a longer runway may be planned and ultimately reflected in the Recommended Development Concept (Chapter Five) and on the Airport Layout Plan (ALP), it is the responsibility of the Sponsor to establish justification for any runway extensions that may be considered for Airport Improvement Program (AIP) funding. This is established by the use of a single aircraft or family of aircraft that **exceed 500 annual operations** and requires additional runway length to operate safely. It should be further understood that exceeding this operational threshold does not guarantee approval for or funding of any runway extension projects. This is discussed in greater detail in Chapter Six.

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Baraboo-Wisconsin Dells Regional Airport -- Runway Extension Analysis -- TFMSC Data and Aircraft Operators' Supporting Documents

Existing Runway Length = 5,010'

Aircraft Operational Lengths < 5,010'

Aircraft Operational Lengths > 5,010'

Existing Aircraft Operators by Aircraft Category											
Aircraft Category	TFMSC Operations		Takeoff Length	Landing Length		N-Number	Company	Author	Aircraft	Estimated Total Annual Operations	Based at DLL
	2021	2022		Dry Conditions	Wet Conditions						
Airport Reference Code (ARC) B-II											
Citation Excel/XLS/XLS+	234	234	5,319	3,844	5,369	N511WR	Air Wilderness	William Murphy	Citation XLS+	250	Yes
			5,319	3,844	5,369	N706FF	BTT Citation	Christopher Senn	Citation XL	280	Yes
			Lengths not provided				Kalahari Mgmt	Dustin Enge	Citation XLS	130	Yes
Citation II/Bravo	184	166	3,760	2,890	5,660	N88AJ	Bravo Ventures	Thomas Alibrando	Citation Bravo	350	Yes
Falcon 20/50	56	80	6,500			N803NL	Tria Entertainment	Laurie Stein	Falcon 50	74	No
	474	480	TOTAL OPERATIONS							1,084	
Airport Reference Code (ARC) C-II											
Legacy 500	156	242	Lengths not provided			N608TB	FSI, Inc.	Don Niederhauser	EMB-550	120	Yes
			Lengths not provided			N375KR	Kalahari Mgmt	Dustin Enge	EMB-550	130	Yes
Hawker 800/850	58	24	5,000	4,500	5,000		SC Aviation	Adam Singer	Hawker 850XP	30	No
	214	266	TOTAL OPERATIONS							280	

Potential Future Aircraft Acquisitions by Company			
Company	Aircraft	Runway Length Requirement	Estimated Total Annual Operations
Bravo Ventures	Citation Encore+	6,000	120
BTT Citation	Citation XLS+	6,000	200
	Citation Latitude		
FSI, Inc.	Embraer Praetor 600	6,001	120+
Kalahari Mgmt	Gulfstream 550	6,170	260
	Dassault Falcon 7X	5,710	
	Global 5000	5,540	

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William Murphy
Air Wilderness, LLC.
511 E. Adams St.
Wisconsin Dells, WI 53965

April 22, 2023

Baraboo-Dells Airport Commission
50 Wisconsin Dells Parkway South
Wisconsin Dells, WI 53965

Dear Airport Commission Members:

I am writing to offer our support for the EXTENSION AND IMPROVEMENT of Runway 1/19 at Baraboo-Wisconsin Dells Regional Airport (DLL).

Our business consists of travelling between our other resort locations and our home location in the Wisconsin Dells. We are currently based at the airport where we would provide aircraft operations, fuel purchases, and support of aircraft maintenance facility. We anticipate our facility would generate at least 100 operations per year at KDLL by a mid-size corporate jet with an average stage length of 4500 feet and a load factor of 100 percent. The corporate jet is operationally limited based on the current length of the Runway 1/19 surface. We support the extension of the runway to 6,000 feet. Below is a brief summary of the operating limits of the corporate jet.

- Aircraft Make/Model/Variant: Cessna Citation XLS+
- Anticipated Aircraft Takeoff Weight from DLL: 20,530 lbs
- Anticipated Aircraft Landing Weight at DLL: 16,000 lbs
- Minimum Aircraft Takeoff Length Requirements (attach calculations, if available):
5396 contaminated / 5505 wet / 5319 dry and hot
- Minimum Aircraft Landing Length Requirements (both dry and wet):
5369 contaminated / 4421 wet / 3844 dry and hot

We support the increased capabilities of the runway at DLL in order to better serve not only our own operations, but those of the airport and the region as a whole. Please take our support into consideration for future planning at DLL. If any additional information is needed, please do not hesitate to contact me at 608-393-3552.

Respectfully,

William Murphy
Chief Pilot

AIRPORT USER SURVEY
BARABOO-WISCONSIN DELLS REGIONAL AIRPORT
AIRPORT MASTER PLAN

The Baraboo-Wisconsin Dells Regional Airport (DLL) is preparing an Airport Master Plan to evaluate airport facilities to better serve the economic vitality of the Wisconsin Dells/Lake Delton/Baraboo community and surrounding area.

The data collected in this survey will assist in making decisions for the improvement of the airport. No identifying information (contact information, N-numbers, etc.) will be published in the Airport Master Plan document.

Please return this survey, or direct any questions to:

Scott Nugent, Coffman Associates
 12920 Metcalf Ave, Suite 200
 Overland Park, KS 66213

Phone: (816) 399-4012
 Fax: (816) 524-2575
 E-mail: snugent@coffmanassociates.com

Please complete the following survey to the best of your ability:

1. How do you utilize general aviation aircraft?

- | | | |
|--------------------------------|--|---|
| <input type="checkbox"/> Own | <input type="checkbox"/> Fractional/Shared Ownership | <input type="checkbox"/> Other (Please Specify) _____ |
| <input type="checkbox"/> Rent | <input checked="" type="checkbox"/> Corporate Owned-Aircraft | |
| <input type="checkbox"/> Lease | <input type="checkbox"/> Flying Club | |

2. Do you base your aircraft at DLL? Yes No

If no, and you own an aircraft, where is it based? _____

If adequate facilities existed, would you base your plane at DLL? Yes No

What additional facilities would you need to base your plane at DLL? _____

3. What type of aircraft do you use when flying? If you use more than one aircraft, please include it here:

Aircraft Make/Model	N-Number (Optional)
Cessna Citation XLS+	N511WR

The following questions are about your flight operations at DLL:

*An operation is defined as either a takeoff or a landing. A **single visit** to an airport is comprised of **two operations**, arriving at the airport, and later departing from the airport. An "itinerant" operation is a landing or takeoff of an airplane traveling from one airport to another airport at least 20 nautical miles away. Local operations include flights to local practice areas, touch-and-go operations within the traffic pattern, and agricultural aerial application operations.*

4. Please estimate your annual operations at DLL:

Local Operations	Itinerant Operations
100	150

5. Are you considering an upgrade to your aircraft fleet in the next five years? Yes No

If yes, please indicate the following:

Aircraft Make/Model	Annual Operations at DLL	Reason for Upgrade

6. Are the runway lengths available at DLL adequate for your most demanding aircraft at desired weight?

- | | | |
|---------------------------------|---|---|
| | Adequate if wet/icy? | Adequate if hot? |
| Runway 1/19 (5,010 feet) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

If no, what runway length would you require to land at DLL? 6000'

Do you have a need for a paved crosswind runway (Runway 14-32) at DLL? Yes No

(Over)

**AIRPORT USER SURVEY
BARABOO-WISCONSIN DELLS REGIONAL AIRPORT
AIRPORT MASTER PLAN**

7. Do you currently make aircraft load concessions to operate at DLL? Yes No
If yes, what concessions do you make? _____

8. Please indicate the basis of your runway length requirements:
 Pilot Operating Handbook Insurance Requirement
 Company Policy Other (Please Specify) _____

9. Do you use the existing instrument approaches? Yes No
If the approaches do not meet your needs, please explain: _____

10. Are you in need of additional hangar space at DLL? Yes No
If yes, what type of hangar do you prefer? T-Hangar "Box" Hangar Private Hangar Site

11. Please rate the airport facilities in with regards to your operations at DLL:

	<u>Inadequate</u>	<u>Marginal</u>	<u>Adequate</u>	<u>Not Applicable</u>
Runway 1/19 Length	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Turf Crosswind Runway Surface	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – T-Hangar Rental Unit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – Conventional Hangar Development Site	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aircraft Storage – Transient/Overnight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Repair/Maintenance	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Self Service Fueling	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Full Service Fueling/Line Services/Fueling Truck	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Ground Transportation (Shuttle, Taxi Service, Rental Cars, Courtesy Car)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Pilot Shop	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Crew Rest Area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Flight Training/Instruction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Charter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Business Center/Meeting Facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Hangar Area Lighting	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

12. Please provide any additional comments or concerns about the DLL airport facilities or future needs:
Approach lighting, RWY end windsocks, and addition of taxiway access to existing
corporate hangars would help year-round

CONTACT INFORMATION (OPTIONAL)

Please provide the following information pertaining to the individual who completed this survey.
 Name: William Murphy
 Company/Affiliation: Air Wilderness, LLC
 Address: 511 E Adams St.
Wisconsin Dells, WI 53965
 Phone: 608-393-3552
 E-mail: BMurphy@WildernessResort.com

May we contact you with any specific questions about this user survey? Yes No

NOTE: If your company or related vendors/clients operate from DLL, we kindly request you forward this survey to these individuals.

The Baraboo-Dells Airport Commission thanks you for completing this Airport User Survey!
 Please contact Scott Nugent, Airport Planner, at snugent@coffmanassociates.com with any questions.

***** Please Return by June 30, 2023 *****

Takeoff

N511WR CITXL PW545A

Actual TOW: 20000

Flap: 15 DEGREES

WITHOUT THRUST REVERSERS
ROLLING TAKEOFF

Wind: 00000 M

Altimeter: 29.81

KMSN	03	14	18	21	Runway
TEMP C PWR	7200/7200/7200	5846/5846/5846	9006/9006/9006	6770/6770/7015	TORA/TODA/ASDA
26 89.3	20000 / ST 102 / 106 / 119 / 160 4741 / 2613	20000 / ST 101 / 106 / 119 / 160 4675 / 2599	20000 / ST 101 / 106 / 119 / 160 4669 / 2598	20000 / ST 101 / 106 / 119 / 160 4585 / 2579	Limit Weight/Code V1/VR/V2/VFTO TOFL/Accel (MSL)
29 88.6	20000 / ST 103 / 106 / 119 / 160 4945 / 2638	20000 / ST 103 / 106 / 119 / 160 4872 / 2623	20000 / ST 103 / 106 / 119 / 160 4866 / 2622	20000 / ST 102 / 106 / 119 / 160 4774 / 2603	
32 87.9	20000 / ST 104 / 106 / 119 / 160 5194 / 2684	19847 / -O OVERWEIGHT	20000 / ST 104 / 106 / 119 / 160 5087 / 2667	20000 / ST 103 / 106 / 119 / 160 4984 / 2648	
35 87.1	20000 / ST 105 / 105 / 118 / 160 5465 / 2739	19163 / -O OVERWEIGHT	20000 / ST 105 / 105 / 118 / 160 5319 / 2722	20000 / ST 104 / 105 / 118 / 160 5205 / 2702	
38 86.2	19859 / -O OVERWEIGHT	18395 / -O OVERWEIGHT	20000 / ST 105 / 105 / 118 / 160 5751 / 2901	19820 / -O OVERWEIGHT	
41 84.9	19016 / -O OVERWEIGHT	17621 / -O OVERWEIGHT	19705 / CL OVERWEIGHT	18981 / -O OVERWEIGHT	
44 83.6	18149 / -O OVERWEIGHT	16846 / -O OVERWEIGHT	18733 / CL OVERWEIGHT	18109 / -O OVERWEIGHT	
KMSN	32	36			Runway
TEMP C PWR	5846/5846/5846	9006/9006/9006			TORA/TODA/ASDA
26 89.3	20000 / ST 101 / 106 / 119 / 160 4656 / 2595	20000 / ST 101 / 106 / 119 / 160 4661 / 2596			Limit Weight/Code V1/VR/V2/VFTO TOFL/Accel (MSL)
29 88.6	20000 / ST 103 / 106 / 119 / 160 4852 / 2619	20000 / ST 103 / 106 / 119 / 160 4858 / 2621			
32 87.9	20000 / ST 104 / 106 / 119 / 160 5070 / 2664	20000 / ST 104 / 106 / 119 / 160 5076 / 2665			
35 87.1	19804 / -O OVERWEIGHT	20000 / ST 105 / 105 / 118 / 160 5306 / 2720			
38 86.2	18999 / -O OVERWEIGHT	20000 / ST 105 / 105 / 118 / 160 5730 / 2899			
41 84.9	18196 / -O OVERWEIGHT	19639 / -O OVERWEIGHT			
44 83.6	17389 / -O OVERWEIGHT	18723 / -O OVERWEIGHT			

Runway Notes

Landing

N511WR CITXL PW545A

Flap: 15/35 DEGREES

WITHOUT THRUST REVERSERS
80% LANDING FACTOR

Actual LDW: 16000

Wind: 00000 M

Altimeter: 29.81

KMSN	03	14	18	21	Runway
TEMP C	6770	5369	8606	7015	LDA
26	18700 / ST / 9.4 3009 / 3761 109 / 115 / 160	18700 / ST / 9.4 3009 / 3761 109 / 115 / 160	18700 / ST / 9.4 3009 / 3761 109 / 115 / 160	18700 / ST / 9.4 3152 / 3940 109 / 115 / 160	Limit/Code/MA Grad LD Dist/1.25 LD VREF/VAPP/VFS
29	18700 / ST / 8.6 3031 / 3789 109 / 115 / 160	18700 / ST / 8.6 3031 / 3789 109 / 115 / 160	18700 / ST / 8.6 3031 / 3789 109 / 115 / 160	18700 / ST / 8.6 3176 / 3970 109 / 115 / 160	
32	18700 / ST / 7.9 3054 / 3817 109 / 115 / 160	18700 / ST / 7.9 3054 / 3817 109 / 115 / 160	18700 / ST / 7.9 3054 / 3817 109 / 115 / 160	18700 / ST / 7.9 3200 / 4000 109 / 115 / 160	
35	18700 / ST / 7.1 3076 / 3844 109 / 115 / 160	18700 / ST / 7.1 3076 / 3844 109 / 115 / 160	18700 / ST / 7.1 3076 / 3844 109 / 115 / 160	18700 / ST / 7.1 3223 / 4029 109 / 115 / 160	
38	18700 / ST / 6.3 3098 / 3872 109 / 115 / 160	18700 / ST / 6.3 3098 / 3872 109 / 115 / 160	18700 / ST / 6.3 3098 / 3872 109 / 115 / 160	18700 / ST / 6.3 3247 / 4058 109 / 115 / 160	
41	18700 / ST / 5.5 3120 / 3900 109 / 115 / 160	18700 / ST / 5.5 3120 / 3900 109 / 115 / 160	18700 / ST / 5.5 3120 / 3900 109 / 115 / 160	18700 / ST / 5.5 3270 / 4087 109 / 115 / 160	
44	18700 / ST / 4.7 3141 / 3927 109 / 115 / 160	18700 / ST / 4.7 3141 / 3927 109 / 115 / 160	18700 / ST / 4.7 3141 / 3927 109 / 115 / 160	18700 / ST / 4.7 3293 / 4117 109 / 115 / 160	
KMSN	32	36			Runway
TEMP C	5846	8006			LDA
26	18700 / ST / 9.4 3025 / 3781 109 / 115 / 160	18700 / ST / 9.4 3016 / 3770 109 / 115 / 160			Limit/Code/MA Grad LD Dist/1.25 LD VREF/VAPP/VFS
29	18700 / ST / 8.6 3048 / 3809 109 / 115 / 160	18700 / ST / 8.6 3038 / 3798 109 / 115 / 160			
32	18700 / ST / 7.9 3070 / 3837 109 / 115 / 160	18700 / ST / 7.9 3060 / 3825 109 / 115 / 160			
35	18700 / ST / 7.1 3092 / 3865 109 / 115 / 160	18700 / ST / 7.1 3083 / 3853 109 / 115 / 160			
38	18700 / ST / 6.3 3115 / 3893 109 / 115 / 160	18700 / ST / 6.3 3105 / 3881 109 / 115 / 160			
41	18700 / ST / 5.5 3137 / 3921 109 / 115 / 160	18700 / ST / 5.5 3127 / 3909 109 / 115 / 160			
44	18700 / ST / 4.7 3158 / 3948 109 / 115 / 160	18700 / ST / 4.7 3149 / 3936 109 / 115 / 160			

Runway Notes

Takeoff

N511WR CITXL PW545A

Actual TOW: 20000

Flap: 15 DEGREES

ROLLING TAKEOFF
WET RWY

Wind: 00000 M

Altimeter: 29.81

KMSN	03	14	18	21	Runway
TEMP C PWR	7200/7200/7200	5846/5846/5846	9006/9006/9006	6770/6770/7015	TORA/TODA/ASDA
26 89.3	20000 / ST 93 / 106 / 119 / 160 4867 / 2617	19912 / -O OVERWEIGHT	20000 / ST 92 / 106 / 119 / 160 4794 / 2601	20000 / ST 91 / 106 / 119 / 160 4708 / 2582	Limit Weight/Code V1/VR/V2/VFTO TOFL/Accel (MSL)
29 88.6	20000 / ST 94 / 106 / 119 / 160 5091 / 2642	19319 / -O OVERWEIGHT	20000 / ST 93 / 106 / 119 / 160 5010 / 2626	20000 / ST 92 / 106 / 119 / 160 4916 / 2607	
32 87.9	20000 / ST 96 / 106 / 119 / 160 5342 / 2689	18718 / -O OVERWEIGHT	20000 / ST 95 / 106 / 119 / 160 5251 / 2672	20000 / ST 93 / 106 / 119 / 160 5146 / 2652	
35 87.1	19921 / -O OVERWEIGHT	18122 / -O OVERWEIGHT	20000 / ST 96 / 105 / 118 / 160 5505 / 2728	19924 / -O OVERWEIGHT	
38 86.2	19115 / -O OVERWEIGHT	17440 / -O OVERWEIGHT	20000 / ST 98 / 105 / 118 / 160 5842 / 2910	19151 / -O OVERWEIGHT	
41 84.9	18308 / -O OVERWEIGHT	16757 / -O OVERWEIGHT	19567 / -O OVERWEIGHT	18376 / -O OVERWEIGHT	
44 83.6	17482 / -O OVERWEIGHT	16053 / -O OVERWEIGHT	18660 / -O OVERWEIGHT	17583 / -O OVERWEIGHT	
KMSN	32	36			Runway
TEMP C PWR	5846/5846/5846	9006/9006/9006			TORA/TODA/ASDA
26 89.3	20000 / ST 91 / 106 / 119 / 160 4781 / 2598	20000 / ST 92 / 106 / 119 / 160 4786 / 2599			Limit Weight/Code V1/VR/V2/VFTO TOFL/Accel (MSL)
29 88.6	20000 / ST 93 / 106 / 119 / 160 4995 / 2623	20000 / ST 93 / 106 / 119 / 160 5001 / 2624			
32 87.9	19441 / -O OVERWEIGHT	20000 / ST 95 / 106 / 119 / 160 5241 / 2670			
35 87.1	18797 / -O OVERWEIGHT	20000 / ST 96 / 105 / 118 / 160 5495 / 2726			
38 86.2	18066 / -O OVERWEIGHT	20000 / ST 98 / 105 / 118 / 160 5830 / 2908			
41 84.9	17336 / -O OVERWEIGHT	19248 / -O OVERWEIGHT			
44 83.6	16587 / -O OVERWEIGHT	18364 / -O OVERWEIGHT			

Runway Notes

Landing

N511WR CITXL PW545A

Flap: 15/35 DEGREES

WITHOUT THRUST REVERSERS
80% LANDING FACTOR
WET RWY - 115%

Actual LDW: 16000

Wind: 00000 M

Altimeter: 29.81

KMSN	03	14	18	21	Runway
TEMP C	6770	5369	8606	7015	LDA
26	18700 / ST / 9.4 3460 / 4325 109 / 115 / 160	18700 / ST / 9.4 3460 / 4325 109 / 115 / 160	18700 / ST / 9.4 3460 / 4325 109 / 115 / 160	18700 / ST / 9.4 3625 / 4531 109 / 115 / 160	Limit/Code/MA Grad LD Dist/1.25 LD VREF/VAPP/VFS
29	18700 / ST / 8.6 3486 / 4357 109 / 115 / 160	18700 / ST / 8.6 3486 / 4357 109 / 115 / 160	18700 / ST / 8.6 3486 / 4357 109 / 115 / 160	18700 / ST / 8.6 3652 / 4565 109 / 115 / 160	
32	18700 / ST / 7.9 3511 / 4389 109 / 115 / 160	18700 / ST / 7.9 3511 / 4389 109 / 115 / 160	18700 / ST / 7.9 3511 / 4389 109 / 115 / 160	18700 / ST / 7.9 3680 / 4600 109 / 115 / 160	
35	18700 / ST / 7.1 3537 / 4421 109 / 115 / 160	18700 / ST / 7.1 3537 / 4421 109 / 115 / 160	18700 / ST / 7.1 3537 / 4421 109 / 115 / 160	18700 / ST / 7.1 3707 / 4633 109 / 115 / 160	
38	18700 / ST / 6.3 3562 / 4453 109 / 115 / 160	18700 / ST / 6.3 3562 / 4453 109 / 115 / 160	18700 / ST / 6.3 3562 / 4453 109 / 115 / 160	18700 / ST / 6.3 3734 / 4667 109 / 115 / 160	
41	18700 / ST / 5.5 3588 / 4485 109 / 115 / 160	18700 / ST / 5.5 3588 / 4485 109 / 115 / 160	18700 / ST / 5.5 3588 / 4485 109 / 115 / 160	18700 / ST / 5.5 3760 / 4700 109 / 115 / 160	
44	18700 / ST / 4.7 3613 / 4516 109 / 115 / 160	18700 / ST / 4.7 3613 / 4516 109 / 115 / 160	18700 / ST / 4.7 3613 / 4516 109 / 115 / 160	18700 / ST / 4.7 3787 / 4734 109 / 115 / 160	
KMSN	32	36			Runway
TEMP C	5846	8006			LDA
26	18700 / ST / 9.4 3479 / 4348 109 / 115 / 160	18700 / ST / 9.4 3468 / 4335 109 / 115 / 160			Limit/Code/MA Grad LD Dist/1.25 LD VREF/VAPP/VFS
29	18700 / ST / 8.6 3505 / 4381 109 / 115 / 160	18700 / ST / 8.6 3494 / 4367 109 / 115 / 160			
32	18700 / ST / 7.9 3530 / 4413 109 / 115 / 160	18700 / ST / 7.9 3519 / 4399 109 / 115 / 160			
35	18700 / ST / 7.1 3556 / 4445 109 / 115 / 160	18700 / ST / 7.1 3545 / 4431 109 / 115 / 160			
38	18700 / ST / 6.3 3582 / 4477 109 / 115 / 160	18700 / ST / 6.3 3571 / 4463 109 / 115 / 160			
41	18700 / ST / 5.5 3607 / 4509 109 / 115 / 160	18700 / ST / 5.5 3596 / 4495 109 / 115 / 160			
44	18700 / ST / 4.7 3632 / 4540 109 / 115 / 160	18700 / ST / 4.7 3621 / 4526 109 / 115 / 160			

Runway Notes

Takeoff

N511WR CITXL PW545A

Actual TOW: 20000

Flap: 15 DEGREES

Wind: 00000 M

 ROLLING TAKEOFF
 COMPACT SNOW
 ANTI ICE ON

Altimeter: 29.81

KMSN	03	14	18	21	Runway
TEMP C PWR	7200/7200/7200	5846/5846/5846	9006/9006/9006	6770/6770/7015	TORA/TODA/ASDA
-09 85.0	20000 / ST 100 / 106 / 119 / 160 5451 / 2779	19520 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5278 / 2759	20000 / ST 100 / 106 / 119 / 160 5363 / 2735	Limit Weight/Code V1/VR/V2/VFTO TOFL/Accel (MSL)
-06 85.5	20000 / ST 100 / 106 / 119 / 160 5492 / 2758	19441 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5322 / 2738	20000 / ST 100 / 106 / 119 / 160 5398 / 2714	
-03 86.0	20000 / ST 100 / 106 / 119 / 160 5530 / 2737	19363 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5362 / 2717	20000 / ST 100 / 106 / 119 / 160 5432 / 2693	
00 86.4	20000 / ST 100 / 106 / 119 / 160 5570 / 2716	19286 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5396 / 2696	20000 / ST 100 / 106 / 119 / 160 5466 / 2672	
03 86.9	20000 / ST 100 / 106 / 119 / 160 5614 / 2696	19207 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5432 / 2676	20000 / ST 100 / 106 / 119 / 160 5502 / 2653	
06 87.4	20000 / ST 100 / 106 / 119 / 160 5660 / 2679	19122 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5468 / 2659	20000 / ST 100 / 106 / 119 / 160 5538 / 2636	
09 87.9	20000 / ST 100 / 106 / 119 / 160 5709 / 2668	19029 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5507 / 2648	20000 / ST 100 / 106 / 119 / 160 5584 / 2624	
KMSN	32	36			Runway
TEMP C PWR	5846/5846/5846	9006/9006/9006			TORA/TODA/ASDA
-09 85.0	20000 / ST 100 / 106 / 119 / 160 5278 / 2755	20000 / ST 100 / 106 / 119 / 160 5272 / 2757			Limit Weight/Code V1/VR/V2/VFTO TOFL/Accel (MSL)
-06 85.5	20000 / ST 100 / 106 / 119 / 160 5322 / 2734	20000 / ST 100 / 106 / 119 / 160 5315 / 2736			
-03 86.0	20000 / ST 100 / 106 / 119 / 160 5362 / 2713	20000 / ST 100 / 106 / 119 / 160 5357 / 2715			
00 86.4	20000 / ST 100 / 106 / 119 / 160 5396 / 2693	20000 / ST 100 / 106 / 119 / 160 5391 / 2694			
03 86.9	20000 / ST 100 / 106 / 119 / 160 5431 / 2673	20000 / ST 100 / 106 / 119 / 160 5426 / 2674			
06 87.4	20000 / ST 100 / 106 / 119 / 160 5468 / 2656	20000 / ST 100 / 106 / 119 / 160 5463 / 2657			
09 87.9	19921 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5502 / 2646			

Runway Notes

Landing

N511WR CITXL PW545A

Flap: 15/35 DEGREES

WITHOUT THRUST REVERSERS
80% LANDING FACTOR
COMPACT SNOW
ANTI ICE ON

Actual LDW: 16000

Wind: 00000 M

Altimeter: 29.81

KMSN	03	14	18	21	Runway
TEMP C	6770	5369	8606	7015	LDA
-09	18700 / ST / 9.2 4257 / 5321 109 / 115 / 160	16189 / FL / 9.2 4257 / 5321 109 / 115 / 160	18700 / ST / 9.2 4257 / 5321 109 / 115 / 160	18700 / ST / 9.2 4478 / 5597 109 / 115 / 160	Limit/Code/MA Grad LD Dist/1.25 LD VREF/VAPP/VFS
-06	18700 / ST / 9.2 4296 / 5370 109 / 115 / 160	15998 / FL / OVERWEIGHT	18700 / ST / 9.2 4296 / 5370 109 / 115 / 160	18700 / ST / 9.2 4519 / 5649 109 / 115 / 160	
-03	18700 / ST / 9.2 4336 / 5419 109 / 115 / 160	15824 / FL / OVERWEIGHT	18700 / ST / 9.2 4336 / 5419 109 / 115 / 160	18700 / ST / 9.2 4561 / 5701 109 / 115 / 160	
00	18700 / ST / 9.2 4375 / 5469 109 / 115 / 160	15652 / FL / OVERWEIGHT	18700 / ST / 9.2 4375 / 5469 109 / 115 / 160	18700 / ST / 9.2 4603 / 5754 109 / 115 / 160	
03	18700 / ST / 9.2 4414 / 5518 109 / 115 / 160	15487 / FL / OVERWEIGHT	18700 / ST / 9.2 4414 / 5518 109 / 115 / 160	18700 / ST / 9.2 4645 / 5806 109 / 115 / 160	
06	18700 / ST / 9.2 4454 / 5567 109 / 115 / 160	15324 / FL / OVERWEIGHT	18700 / ST / 9.2 4454 / 5567 109 / 115 / 160	18700 / ST / 9.2 4687 / 5858 109 / 115 / 160	
09	18700 / ST / 9.2 4493 / 5617 109 / 115 / 160	15160 / FL / OVERWEIGHT	18700 / ST / 9.2 4493 / 5617 109 / 115 / 160	18700 / ST / 9.2 4729 / 5911 109 / 115 / 160	
KMSN	32	36			Runway
TEMP C	5846	8006			LDA
-09	17903 / FL / 9.2 4282 / 5352 109 / 115 / 160	18700 / ST / 9.2 4268 / 5334 109 / 115 / 160			Limit/Code/MA Grad LD Dist/1.25 LD VREF/VAPP/VFS
-06	17697 / FL / 9.2 4321 / 5401 109 / 115 / 160	18700 / ST / 9.2 4307 / 5383 109 / 115 / 160			
-03	17497 / FL / 9.2 4361 / 5451 109 / 115 / 160	18700 / ST / 9.2 4346 / 5433 109 / 115 / 160			
00	17299 / FL / 9.2 4401 / 5501 109 / 115 / 160	18700 / ST / 9.2 4386 / 5483 109 / 115 / 160			
03	17108 / FL / 9.2 4440 / 5550 109 / 115 / 160	18700 / ST / 9.2 4425 / 5531 109 / 115 / 160			
06	16918 / FL / 9.2 4480 / 5599 109 / 115 / 160	18700 / ST / 9.2 4465 / 5581 109 / 115 / 160			
09	16728 / FL / 9.2 4520 / 5650 109 / 115 / 160	18700 / ST / 9.2 4505 / 5631 109 / 115 / 160			

Runway Notes

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BTT CITATION, LLC
101 MILLER DRIVE, LAKE DELTON, WI 53940
PHONE: 608.253.0990 FAX: 608.253.0991
CSENN MOBILE: 920.948.7398

Christopher M Senn, Chief Pilot
BTT Citation
101 Miller Drive
Lake Delton, WI 53940

8 May, 2023

Baraboo-Dells Airport Commission
50 Wisconsin Dells Parkway South
Wisconsin Dells, WI 53965

Dear Airport Commission Members:

I am writing to offer our support for both the Lengthening and Strengthening of Runway 1/19 at Baraboo-Wisconsin Dells Regional Airport (DLL).

Our business consists of corporate travel to / from our outlying facilities around the country. We are currently based at the airport where we would provide aircraft operations, fuel purchases and support aircraft maintenance operations. We anticipate our facility would generate at least 180 operations at DLL by a mid-size corporate jet with an average stage length of 4500 feet and a load factor of 100 percent. The corporate jet is operationally limited based on the current configuration of the Runway 1/19 surface. We support both the extension and strengthening of the runway to 6000 feet with the addition of approach lighting for additional safety. Below is a brief summary of the operating limits of our jet.

- Aircraft Make/Model/Variant: Citation 560XL- XLS
- Anticipated Aircraft Takeoff Weight from DLL: 20,200
- Anticipated Aircraft Landing Weight at DLL: 16,000
- Minimum Aircraft Takeoff Length Requirements (attach calculations, if available):
5396 contaminated / 5505 wet / 5319 dry and hot
- Minimum Aircraft Landing Length Requirements (both dry and wet):
5369 contaminated / 4421 wet / 3844 dry and hot

We support the increased capabilities of the runway at DLL in order to better serve not only our own operations, but those of the airport and the region as a whole. Please take our support into consideration for future planning at DLL. If any additional information is needed, please do not hesitate to contact me at (920) 948-7398.

Respectfully,

Christopher Senn
Chief Pilot

AIRPORT USER SURVEY BARABOO-WISCONSIN DELLS REGIONAL AIRPORT AIRPORT MASTER PLAN

The Baraboo-Wisconsin Dells Regional Airport (DLL) is preparing an Airport Master Plan to evaluate airport facilities to better serve the economic vitality of the Wisconsin Dells/Lake Delton/Baraboo community and surrounding area.

The data collected in this survey will assist in making decisions for the improvement of the airport. No identifying information (contact information, N-numbers, etc.) will be published in the Airport Master Plan document.

Please return this survey, or direct any questions to:

Scott Nugent, Coffman Associates
12920 Metcalf Ave, Suite 200
Overland Park, KS 66213

Phone: (816) 399-4012
Fax: (816) 524-2575
E-mail: snugent@coffmanassociates.com

Please complete the following survey to the best of your ability:

1. How do you utilize general aviation aircraft?

- | | | |
|--------------------------------|--|---|
| <input type="checkbox"/> Own | <input type="checkbox"/> Fractional/Shared Ownership | <input type="checkbox"/> Other (Please Specify) _____ |
| <input type="checkbox"/> Rent | <input checked="" type="checkbox"/> Corporate Owned-Aircraft | |
| <input type="checkbox"/> Lease | <input type="checkbox"/> Flying Club | |

2. Do you base your aircraft at DLL? Yes No

If no, and you own an aircraft, where is it based? _____

If adequate facilities existed, would you base your plane at DLL? Yes No

What additional facilities would you need to base your plane at DLL? Would like to see 6000' and approach lighting

3. What type of aircraft do you use when flying? If you use more than one aircraft, please include it here:

Aircraft Make/Model	N-Number (Optional)
2007 Citation 560XL, XLS	N706FF
1977 Cessna C340	N518PC

The following questions are about your flight operations at DLL:

*An operation is defined as either a takeoff or a landing. A **single visit** to an airport is comprised of **two operations**, arriving at the airport, and later departing from the airport. An "itinerant" operation is a landing or takeoff of an airplane traveling from one airport to another airport at least 20 nautical miles away. Local operations include flights to local practice areas, touch-and-go operations within the traffic pattern, and agricultural aerial application operations.*

4. Please estimate your annual operations at DLL:

Local Operations	Itinerant Operations
100	180

5. Are you considering an upgrade to your aircraft fleet in the next five years? Yes No

If yes, please indicate the following:

Aircraft Make/Model	Annual Operations at DLL	Reason for Upgrade
Cessna Citation XLS+ or Latitude	200	Larger cabin / longer distance

6. Are the runway lengths available at DLL adequate for your most demanding aircraft at desired weight?

- | | | |
|---------------------------------|---|---|
| | Adequate if wet/icy? | Adequate if hot? |
| Runway 1/19 (5,010 feet) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

If no, what runway length would you require to land at DLL? 6000'

Do you have a need for a paved crosswind runway (Runway 14-32) at DLL? Yes No

(Over)

**AIRPORT USER SURVEY
BARABOO-WISCONSIN DELLS REGIONAL AIRPORT
AIRPORT MASTER PLAN**

7. Do you currently make aircraft load concessions to operate at DLL? Yes No
If yes, what concessions do you make? _____

8. Please indicate the basis of your runway length requirements:
 Pilot Operating Handbook Insurance Requirement
 Company Policy Other (Please Specify) _____

9. Do you use the existing instrument approaches? Yes No
If the approaches do not meet your needs, please explain: Approach Lighting for 01/19 for safety in low vis conditions

10. Are you in need of additional hangar space at DLL? Yes No
If yes, what type of hangar do you prefer? T-Hangar "Box" Hangar Private Hangar Site

11. Please rate the airport facilities in with regards to your operations at DLL:

	Inadequate	Marginal	Adequate	Not Applicable
Runway 1/19 Length	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Turf Crosswind Runway Surface	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – T-Hangar Rental Unit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – Conventional Hangar Development Site	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aircraft Storage – Transient/Overnight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Repair/Maintenance	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Self Service Fueling	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Full Service Fueling/Line Services/Fueling Truck	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Ground Transportation (Shuttle, Taxi Service, Rental Cars, Courtesy Car)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Pilot Shop	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Crew Rest Area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Flight Training/Instruction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Charter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Business Center/Meeting Facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Hangar Area Lighting	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

12. Please provide any additional comments or concerns about the DLL airport facilities or future needs:
Approach Lighting for safety, Additional hangar row lighting, taxiway access from hangars / width of access is narrow

CONTACT INFORMATION (OPTIONAL)

Please provide the following information pertaining to the individual who completed this survey.

Name: Christopher Senn

Company/Affiliation: Chief Pilot / BTT Citation

Address: 101 Miller Drive
Lake Delton, WI 53940

Phone: 920 948-7398

E-mail: csenn@midwestaviationconsultants.com

May we contact you with any specific questions about this user survey? Yes No

NOTE: If your company or related vendors/clients operate from DLL, we kindly request you forward this survey to these individuals.

The Baraboo-Dells Airport Commission thanks you for completing this Airport User Survey!
Please contact Scott Nugent, Airport Planner, at snugent@coffmanassociates.com with any questions.

***** Please Return by June 30, 2023 *****

Takeoff

N706FF CITXL PW545A

Actual TOW: 20000

Flap: 15 DEGREES

WITHOUT THRUST REVERSERS
ROLLING TAKEOFF

Wind: 00000 M

Altimeter: 29.81

KMSN	03	14	18	21	Runway
TEMP C PWR	7200/7200/7200	5846/5846/5846	9006/9006/9006	6770/6770/7015	TORA/TODA/ASDA
26 89.3	20000 / ST 102 / 106 / 119 / 160 4741 / 2613	20000 / ST 101 / 106 / 119 / 160 4675 / 2599	20000 / ST 101 / 106 / 119 / 160 4669 / 2598	20000 / ST 101 / 106 / 119 / 160 4585 / 2579	Limit Weight/Code V1/VR/V2/VFTO TOFL/Accel (MSL)
29 88.6	20000 / ST 103 / 106 / 119 / 160 4945 / 2638	20000 / ST 103 / 106 / 119 / 160 4872 / 2623	20000 / ST 103 / 106 / 119 / 160 4866 / 2622	20000 / ST 102 / 106 / 119 / 160 4774 / 2603	
32 87.9	20000 / ST 104 / 106 / 119 / 160 5194 / 2684	19847 / -O OVERWEIGHT	20000 / ST 104 / 106 / 119 / 160 5087 / 2667	20000 / ST 103 / 106 / 119 / 160 4984 / 2648	
35 87.1	20000 / ST 105 / 105 / 118 / 160 5465 / 2739	19163 / -O OVERWEIGHT	20000 / ST 105 / 105 / 118 / 160 5319 / 2722	20000 / ST 104 / 105 / 118 / 160 5205 / 2702	
38 86.2	19859 / -O OVERWEIGHT	18395 / -O OVERWEIGHT	20000 / ST 105 / 105 / 118 / 160 5751 / 2901	19820 / -O OVERWEIGHT	
41 84.9	19016 / -O OVERWEIGHT	17621 / -O OVERWEIGHT	19705 / CL OVERWEIGHT	18981 / -O OVERWEIGHT	
44 83.6	18149 / -O OVERWEIGHT	16846 / -O OVERWEIGHT	18733 / CL OVERWEIGHT	18109 / -O OVERWEIGHT	
KMSN	32	36			Runway
TEMP C PWR	5846/5846/5846	9006/9006/9006			TORA/TODA/ASDA
26 89.3	20000 / ST 101 / 106 / 119 / 160 4656 / 2595	20000 / ST 101 / 106 / 119 / 160 4661 / 2596			Limit Weight/Code V1/VR/V2/VFTO TOFL/Accel (MSL)
29 88.6	20000 / ST 103 / 106 / 119 / 160 4852 / 2619	20000 / ST 103 / 106 / 119 / 160 4858 / 2621			
32 87.9	20000 / ST 104 / 106 / 119 / 160 5070 / 2664	20000 / ST 104 / 106 / 119 / 160 5076 / 2665			
35 87.1	19804 / -O OVERWEIGHT	20000 / ST 105 / 105 / 118 / 160 5306 / 2720			
38 86.2	18999 / -O OVERWEIGHT	20000 / ST 105 / 105 / 118 / 160 5730 / 2899			
41 84.9	18196 / -O OVERWEIGHT	19639 / -O OVERWEIGHT			
44 83.6	17389 / -O OVERWEIGHT	18723 / -O OVERWEIGHT			

Runway Notes

Landing
N706FF CITXL PW545A
Flap: 15/35 DEGREES

WITHOUT THRUST REVERSERS
80% LANDING FACTOR

Actual LDW: 16000

Wind: 00000 M

Altimeter: 29.81

KMSN	03	14	18	21	Runway
TEMP C	6770	5369	8606	7015	LDA
26	18700 / ST / 9.4 3009 / 3761 109 / 115 / 160	18700 / ST / 9.4 3009 / 3761 109 / 115 / 160	18700 / ST / 9.4 3009 / 3761 109 / 115 / 160	18700 / ST / 9.4 3152 / 3940 109 / 115 / 160	Limit/Code/MA Grad LD Dist/1.25 LD VREF/VAPP/VFS
29	18700 / ST / 8.6 3031 / 3789 109 / 115 / 160	18700 / ST / 8.6 3031 / 3789 109 / 115 / 160	18700 / ST / 8.6 3031 / 3789 109 / 115 / 160	18700 / ST / 8.6 3176 / 3970 109 / 115 / 160	
32	18700 / ST / 7.9 3054 / 3817 109 / 115 / 160	18700 / ST / 7.9 3054 / 3817 109 / 115 / 160	18700 / ST / 7.9 3054 / 3817 109 / 115 / 160	18700 / ST / 7.9 3200 / 4000 109 / 115 / 160	
35	18700 / ST / 7.1 3076 / 3844 109 / 115 / 160	18700 / ST / 7.1 3076 / 3844 109 / 115 / 160	18700 / ST / 7.1 3076 / 3844 109 / 115 / 160	18700 / ST / 7.1 3223 / 4029 109 / 115 / 160	
38	18700 / ST / 6.3 3098 / 3872 109 / 115 / 160	18700 / ST / 6.3 3098 / 3872 109 / 115 / 160	18700 / ST / 6.3 3098 / 3872 109 / 115 / 160	18700 / ST / 6.3 3247 / 4058 109 / 115 / 160	
41	18700 / ST / 5.5 3120 / 3900 109 / 115 / 160	18700 / ST / 5.5 3120 / 3900 109 / 115 / 160	18700 / ST / 5.5 3120 / 3900 109 / 115 / 160	18700 / ST / 5.5 3270 / 4087 109 / 115 / 160	
44	18700 / ST / 4.7 3141 / 3927 109 / 115 / 160	18700 / ST / 4.7 3141 / 3927 109 / 115 / 160	18700 / ST / 4.7 3141 / 3927 109 / 115 / 160	18700 / ST / 4.7 3293 / 4117 109 / 115 / 160	
KMSN	32	36			Runway
TEMP C	5846	8006			LDA
26	18700 / ST / 9.4 3025 / 3781 109 / 115 / 160	18700 / ST / 9.4 3016 / 3770 109 / 115 / 160			Limit/Code/MA Grad LD Dist/1.25 LD VREF/VAPP/VFS
29	18700 / ST / 8.6 3048 / 3809 109 / 115 / 160	18700 / ST / 8.6 3038 / 3798 109 / 115 / 160			
32	18700 / ST / 7.9 3070 / 3837 109 / 115 / 160	18700 / ST / 7.9 3060 / 3825 109 / 115 / 160			
35	18700 / ST / 7.1 3092 / 3865 109 / 115 / 160	18700 / ST / 7.1 3083 / 3853 109 / 115 / 160			
38	18700 / ST / 6.3 3115 / 3893 109 / 115 / 160	18700 / ST / 6.3 3105 / 3881 109 / 115 / 160			
41	18700 / ST / 5.5 3137 / 3921 109 / 115 / 160	18700 / ST / 5.5 3127 / 3909 109 / 115 / 160			
44	18700 / ST / 4.7 3158 / 3948 109 / 115 / 160	18700 / ST / 4.7 3149 / 3936 109 / 115 / 160			

Runway Notes

Takeoff

N706FF CITXL PW545A

Actual TOW: 20000

Flap: 15 DEGREES

ROLLING TAKEOFF
WET RWY

Wind: 00000 M

Altimeter: 29.81

KMSN	03	14	18	21	Runway
TEMP C PWR	7200/7200/7200	5846/5846/5846	9006/9006/9006	6770/6770/7015	TORA/TODA/ASDA
26 89.3	20000 / ST 93 / 106 / 119 / 160 4867 / 2617	19912 / -O OVERWEIGHT	20000 / ST 92 / 106 / 119 / 160 4794 / 2601	20000 / ST 91 / 106 / 119 / 160 4708 / 2582	Limit Weight/Code V1/VR/V2/VFTO TOFL/Accel (MSL)
29 88.6	20000 / ST 94 / 106 / 119 / 160 5091 / 2642	19319 / -O OVERWEIGHT	20000 / ST 93 / 106 / 119 / 160 5010 / 2626	20000 / ST 92 / 106 / 119 / 160 4916 / 2607	
32 87.9	20000 / ST 96 / 106 / 119 / 160 5342 / 2689	18718 / -O OVERWEIGHT	20000 / ST 95 / 106 / 119 / 160 5251 / 2672	20000 / ST 93 / 106 / 119 / 160 5146 / 2652	
35 87.1	19921 / -O OVERWEIGHT	18122 / -O OVERWEIGHT	20000 / ST 96 / 105 / 118 / 160 5505 / 2728	19924 / -O OVERWEIGHT	
38 86.2	19115 / -O OVERWEIGHT	17440 / -O OVERWEIGHT	20000 / ST 98 / 105 / 118 / 160 5842 / 2910	19151 / -O OVERWEIGHT	
41 84.9	18308 / -O OVERWEIGHT	16757 / -O OVERWEIGHT	19567 / -O OVERWEIGHT	18376 / -O OVERWEIGHT	
44 83.6	17482 / -O OVERWEIGHT	16053 / -O OVERWEIGHT	18660 / -O OVERWEIGHT	17583 / -O OVERWEIGHT	
KMSN	32	36			Runway
TEMP C PWR	5846/5846/5846	9006/9006/9006			TORA/TODA/ASDA
26 89.3	20000 / ST 91 / 106 / 119 / 160 4781 / 2598	20000 / ST 92 / 106 / 119 / 160 4786 / 2599			Limit Weight/Code V1/VR/V2/VFTO TOFL/Accel (MSL)
29 88.6	20000 / ST 93 / 106 / 119 / 160 4995 / 2623	20000 / ST 93 / 106 / 119 / 160 5001 / 2624			
32 87.9	19441 / -O OVERWEIGHT	20000 / ST 95 / 106 / 119 / 160 5241 / 2670			
35 87.1	18797 / -O OVERWEIGHT	20000 / ST 96 / 105 / 118 / 160 5495 / 2726			
38 86.2	18066 / -O OVERWEIGHT	20000 / ST 98 / 105 / 118 / 160 5830 / 2908			
41 84.9	17336 / -O OVERWEIGHT	19248 / -O OVERWEIGHT			
44 83.6	16587 / -O OVERWEIGHT	18364 / -O OVERWEIGHT			

Runway Notes

Landing
N706FF CITXL PW545A
Flap: 15/35 DEGREES

Actual LDW: 16000

Wind: 00000 M

Altimeter: 29.81

WITHOUT THRUST REVERSERS
80% LANDING FACTOR
WET RWY - 115%

KMSN	03	14	18	21	Runway
TEMP C	6770	5369	8606	7015	LDA
26	18700 / ST / 9.4 3460 / 4325 109 / 115 / 160	18700 / ST / 9.4 3460 / 4325 109 / 115 / 160	18700 / ST / 9.4 3460 / 4325 109 / 115 / 160	18700 / ST / 9.4 3625 / 4531 109 / 115 / 160	Limit/Code/MA Grad LD Dist/1.25 LD VREF/VAPP/VFS
29	18700 / ST / 8.6 3486 / 4357 109 / 115 / 160	18700 / ST / 8.6 3486 / 4357 109 / 115 / 160	18700 / ST / 8.6 3486 / 4357 109 / 115 / 160	18700 / ST / 8.6 3652 / 4565 109 / 115 / 160	
32	18700 / ST / 7.9 3511 / 4389 109 / 115 / 160	18700 / ST / 7.9 3511 / 4389 109 / 115 / 160	18700 / ST / 7.9 3511 / 4389 109 / 115 / 160	18700 / ST / 7.9 3680 / 4600 109 / 115 / 160	
35	18700 / ST / 7.1 3537 / 4421 109 / 115 / 160	18700 / ST / 7.1 3537 / 4421 109 / 115 / 160	18700 / ST / 7.1 3537 / 4421 109 / 115 / 160	18700 / ST / 7.1 3707 / 4633 109 / 115 / 160	
38	18700 / ST / 6.3 3562 / 4453 109 / 115 / 160	18700 / ST / 6.3 3562 / 4453 109 / 115 / 160	18700 / ST / 6.3 3562 / 4453 109 / 115 / 160	18700 / ST / 6.3 3734 / 4667 109 / 115 / 160	
41	18700 / ST / 5.5 3588 / 4485 109 / 115 / 160	18700 / ST / 5.5 3588 / 4485 109 / 115 / 160	18700 / ST / 5.5 3588 / 4485 109 / 115 / 160	18700 / ST / 5.5 3760 / 4700 109 / 115 / 160	
44	18700 / ST / 4.7 3613 / 4516 109 / 115 / 160	18700 / ST / 4.7 3613 / 4516 109 / 115 / 160	18700 / ST / 4.7 3613 / 4516 109 / 115 / 160	18700 / ST / 4.7 3787 / 4734 109 / 115 / 160	
KMSN	32	36			Runway
TEMP C	5846	8006			LDA
26	18700 / ST / 9.4 3479 / 4348 109 / 115 / 160	18700 / ST / 9.4 3468 / 4335 109 / 115 / 160			Limit/Code/MA Grad LD Dist/1.25 LD VREF/VAPP/VFS
29	18700 / ST / 8.6 3505 / 4381 109 / 115 / 160	18700 / ST / 8.6 3494 / 4367 109 / 115 / 160			
32	18700 / ST / 7.9 3530 / 4413 109 / 115 / 160	18700 / ST / 7.9 3519 / 4399 109 / 115 / 160			
35	18700 / ST / 7.1 3556 / 4445 109 / 115 / 160	18700 / ST / 7.1 3545 / 4431 109 / 115 / 160			
38	18700 / ST / 6.3 3582 / 4477 109 / 115 / 160	18700 / ST / 6.3 3571 / 4463 109 / 115 / 160			
41	18700 / ST / 5.5 3607 / 4509 109 / 115 / 160	18700 / ST / 5.5 3596 / 4495 109 / 115 / 160			
44	18700 / ST / 4.7 3632 / 4540 109 / 115 / 160	18700 / ST / 4.7 3621 / 4526 109 / 115 / 160			

Runway Notes

Takeoff

N706FF CITXL PW545A

Actual TOW: 20000

Flap: 15 DEGREES

Wind: 00000 M

 ROLLING TAKEOFF
 COMPACT SNOW
 ANTI ICE ON

Altimeter: 29.81

KMSN	03	14	18	21	Runway
TEMP C PWR	7200/7200/7200	5846/5846/5846	9006/9006/9006	6770/6770/7015	TORA/TODA/ASDA
-09 85.0	20000 / ST 100 / 106 / 119 / 160 5451 / 2779	19520 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5278 / 2759	20000 / ST 100 / 106 / 119 / 160 5363 / 2735	Limit Weight/Code V1/VR/V2/VFTO TOFL/Accel (MSL)
-06 85.5	20000 / ST 100 / 106 / 119 / 160 5492 / 2758	19441 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5322 / 2738	20000 / ST 100 / 106 / 119 / 160 5398 / 2714	
-03 86.0	20000 / ST 100 / 106 / 119 / 160 5530 / 2737	19363 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5362 / 2717	20000 / ST 100 / 106 / 119 / 160 5432 / 2693	
00 86.4	20000 / ST 100 / 106 / 119 / 160 5570 / 2716	19286 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5396 / 2696	20000 / ST 100 / 106 / 119 / 160 5466 / 2672	
03 86.9	20000 / ST 100 / 106 / 119 / 160 5614 / 2696	19207 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5432 / 2676	20000 / ST 100 / 106 / 119 / 160 5502 / 2653	
06 87.4	20000 / ST 100 / 106 / 119 / 160 5660 / 2679	19122 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5468 / 2659	20000 / ST 100 / 106 / 119 / 160 5538 / 2636	
09 87.9	20000 / ST 100 / 106 / 119 / 160 5709 / 2668	19029 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5507 / 2648	20000 / ST 100 / 106 / 119 / 160 5584 / 2624	
KMSN	32	36			Runway
TEMP C PWR	5846/5846/5846	9006/9006/9006			TORA/TODA/ASDA
-09 85.0	20000 / ST 100 / 106 / 119 / 160 5278 / 2755	20000 / ST 100 / 106 / 119 / 160 5272 / 2757			Limit Weight/Code V1/VR/V2/VFTO TOFL/Accel (MSL)
-06 85.5	20000 / ST 100 / 106 / 119 / 160 5322 / 2734	20000 / ST 100 / 106 / 119 / 160 5315 / 2736			
-03 86.0	20000 / ST 100 / 106 / 119 / 160 5362 / 2713	20000 / ST 100 / 106 / 119 / 160 5357 / 2715			
00 86.4	20000 / ST 100 / 106 / 119 / 160 5396 / 2693	20000 / ST 100 / 106 / 119 / 160 5391 / 2694			
03 86.9	20000 / ST 100 / 106 / 119 / 160 5431 / 2673	20000 / ST 100 / 106 / 119 / 160 5426 / 2674			
06 87.4	20000 / ST 100 / 106 / 119 / 160 5468 / 2656	20000 / ST 100 / 106 / 119 / 160 5463 / 2657			
09 87.9	19921 / -O OVERWEIGHT	20000 / ST 100 / 106 / 119 / 160 5502 / 2646			

Runway Notes

Landing
N706FF CITXL PW545A
Flap: 15/35 DEGREES

Actual LDW: 16000
Wind: 00000 M
Altimeter: 29.81

WITHOUT THRUST REVERSERS
80% LANDING FACTOR
COMPACT SNOW
ANTI ICE ON

KMSN	03	14	18	21	Runway
TEMP C	6770	5369	8606	7015	LDA
-09	18700 / ST / 9.2 4257 / 5321 109 / 115 / 160	16189 / FL / 9.2 4257 / 5321 109 / 115 / 160	18700 / ST / 9.2 4257 / 5321 109 / 115 / 160	18700 / ST / 9.2 4478 / 5597 109 / 115 / 160	Limit/Code/MA Grad LD Dist/1.25 LD VREF/VAPP/VFS
-06	18700 / ST / 9.2 4296 / 5370 109 / 115 / 160	15998 / FL / OVERWEIGHT	18700 / ST / 9.2 4296 / 5370 109 / 115 / 160	18700 / ST / 9.2 4519 / 5649 109 / 115 / 160	
-03	18700 / ST / 9.2 4336 / 5419 109 / 115 / 160	15824 / FL / OVERWEIGHT	18700 / ST / 9.2 4336 / 5419 109 / 115 / 160	18700 / ST / 9.2 4561 / 5701 109 / 115 / 160	
00	18700 / ST / 9.2 4375 / 5469 109 / 115 / 160	15652 / FL / OVERWEIGHT	18700 / ST / 9.2 4375 / 5469 109 / 115 / 160	18700 / ST / 9.2 4603 / 5754 109 / 115 / 160	
03	18700 / ST / 9.2 4414 / 5518 109 / 115 / 160	15487 / FL / OVERWEIGHT	18700 / ST / 9.2 4414 / 5518 109 / 115 / 160	18700 / ST / 9.2 4645 / 5806 109 / 115 / 160	
06	18700 / ST / 9.2 4454 / 5567 109 / 115 / 160	15324 / FL / OVERWEIGHT	18700 / ST / 9.2 4454 / 5567 109 / 115 / 160	18700 / ST / 9.2 4687 / 5858 109 / 115 / 160	
09	18700 / ST / 9.2 4493 / 5617 109 / 115 / 160	15160 / FL / OVERWEIGHT	18700 / ST / 9.2 4493 / 5617 109 / 115 / 160	18700 / ST / 9.2 4729 / 5911 109 / 115 / 160	
KMSN	32	36			Runway
TEMP C	5846	8006			LDA
-09	17903 / FL / 9.2 4282 / 5352 109 / 115 / 160	18700 / ST / 9.2 4268 / 5334 109 / 115 / 160			Limit/Code/MA Grad LD Dist/1.25 LD VREF/VAPP/VFS
-06	17697 / FL / 9.2 4321 / 5401 109 / 115 / 160	18700 / ST / 9.2 4307 / 5383 109 / 115 / 160			
-03	17497 / FL / 9.2 4361 / 5451 109 / 115 / 160	18700 / ST / 9.2 4346 / 5433 109 / 115 / 160			
00	17299 / FL / 9.2 4401 / 5501 109 / 115 / 160	18700 / ST / 9.2 4386 / 5483 109 / 115 / 160			
03	17108 / FL / 9.2 4440 / 5550 109 / 115 / 160	18700 / ST / 9.2 4425 / 5531 109 / 115 / 160			
06	16918 / FL / 9.2 4480 / 5599 109 / 115 / 160	18700 / ST / 9.2 4465 / 5581 109 / 115 / 160			
09	16728 / FL / 9.2 4520 / 5650 109 / 115 / 160	18700 / ST / 9.2 4505 / 5631 109 / 115 / 160			

Runway Notes

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Kalahari Management Co. LLC

Dustin Enge
Kalahari Management Co., LLC
PO Box 590
Wisconsin Dells, WI 53965

May 12, 2023

Baraboo-Dells Airport Commission
50 Wisconsin Dells Parkway South
Wisconsin Dells, WI 53965

Dear Airport Commission Members:

I am writing to offer our full support for the extension of Runway 01/19 at Baraboo-Wisconsin Dells Regional Airport (DLL)

Our business consists of waterpark resorts, hotels, and convention centers with our headquarters in Wisconsin Dells. The Baraboo-Dells airport is an integral component to support our business of over 4000 employees with over 200 operations per year between our two corporate aircraft: an Embraer Legacy 500 and a Cessna Citation XLS. Our company has plans for accelerated growth and use of the Baraboo-Dells airport, however our growth is directly limited by the length of the runway at DLL. Out of necessity, our operation will soon require the use of a long-range, large-cabin aircraft. Kalahari has interest in purchasing one of the three following aircraft types:

1. Gulfstream 550
 - Max takeoff weight: 91,000 lbs
 - Runway required: 6,170 ft
2. Dassault Falcon 7X
 - Max takeoff weight: 70,000 lbs
 - Runway required: 5,710 ft
3. Bombardier Global 5000
 - Max takeoff weight: 92,500 lbs
 - Runway required: 5,540 ft

We support the increased capabilities of the runway at DLL in order to better serve not only our own operations, but those of the airport and the region as a whole. If any additional information is needed, please do not hesitate to contact me at 608-234-1464

Sincerely,

Dustin Enge
Chief Pilot, Kalahari Management Co., LLC

**AIRPORT USER SURVEY
BARABOO-WISCONSIN DELLS REGIONAL AIRPORT
AIRPORT MASTER PLAN**

7. Do you currently make aircraft load concessions to operate at DLL? Yes No

If yes, what concessions do you make? We are operationally limited on aircraft type due to the runway length

8. Please indicate the basis of your runway length requirements:

- Pilot Operating Handbook Insurance Requirement
 Company Policy Other (Please Specify) _____

9. Do you use the existing instrument approaches? Yes No

If the approaches do not meet your needs, please explain: Additional approach lighting needed

10. Are you in need of additional hangar space at DLL? Yes No

If yes, what type of hangar do you prefer? T-Hangar "Box" Hangar Private Hangar Site

11. Please rate the airport facilities in with regards to your operations at DLL:

	Inadequate	Marginal	Adequate	Not Applicable
Runway 1/19 Length	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Turf Crosswind Runway Surface	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – T-Hangar Rental Unit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – Conventional Hangar Development Site	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aircraft Storage – Transient/Overnight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Repair/Maintenance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Self Service Fueling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Full Service Fueling/Line Services/Fueling Truck	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Ground Transportation (Shuttle, Taxi Service, Rental Cars, Courtesy Car)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Pilot Shop	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Crew Rest Area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Flight Training/Instruction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Charter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Business Center/Meeting Facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Hangar Area Lighting	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

12. Please provide any additional comments or concerns about the DLL airport facilities or future needs:

This is an excellent airport with excellent potential and a large demand.
Top needs for our operation are: longer runway 01/19, Approach Lighting System, and a paved East/West runway

CONTACT INFORMATION (OPTIONAL)

Please provide the following information pertaining to the individual who completed this survey.

Name: Dustin Enge

Company/Affiliation: Kalahari Management Co., LLC

Address: PO Box 590

Wisconsin Dells, WI 53965

Phone: 608-234-1464

E-mail: denge@kalahariresorts.com

May we contact you with any specific questions about this user survey? Yes No

NOTE: If your company or related vendors/clients operate from DLL, we kindly request you forward this survey to these individuals.

The Baraboo-Dells Airport Commission thanks you for completing this Airport User Survey!

Please contact Scott Nugent, Airport Planner, at snugent@coffmanassociates.com with any questions.

***** Please Return by June 30, 2023 *****

Runway Analysis KDLL – KTEB in
N375KR (Legacy 500 - AS907-3-1E)

Created May 30 2023 15:43 GMT-0500 - FFM 15.4.1

TAKEOFF SUMMARY

Takeoff on Runway 19, Straight Out not possible with
requested conditions.

LANDING SUMMARY

No landing runway requested

Max Takeoff Weight Analysis - KDLL - Baraboo/Wisconsin Dells Regional - Elevation 979 ft

Runway		01	14	19	32
TORA/TODA/ASDA		5,010 / 5,010 / 5,010 ft	2,746 / 2,746 / 2,746 ft	5,010 / 5,010 / 5,010 ft	2,746 / 2,746 / 2,746 ft
Slope		-0.2%	0.18%	0.2%	-0.18%
Winds		↓ 0 kts ← 0 kts	↓ 0 kts ← 0 kts	↓ 0 kts ← 0 kts	↓ 0 kts ← 0 kts
	OAT	Straight Out	Straight Out	Straight Out	Straight Out
MTOW (lbs) LIMIT	26°C	38,121 Obstacle	Takeoff Impossible	38,096 Obstacle	Takeoff Impossible
	28°C	38,023 Obstacle	Takeoff Impossible	38,000 Obstacle	Takeoff Impossible
	30°C	37,566 Obstacle	Takeoff Impossible	37,547 Obstacle	Takeoff Impossible
	32°C	37,091 Obstacle	Takeoff Impossible	37,080 Obstacle	Takeoff Impossible
	34°C	36,608 Obstacle	Takeoff Impossible	36,603 Obstacle	Takeoff Impossible
	36°C	36,112 Obstacle	Takeoff Impossible	36,112 Obstacle	Takeoff Impossible
	38°C	35,613 Obstacle	Takeoff Impossible	35,617 Obstacle	Takeoff Impossible

Max Landing Weight Analysis - KTEB - Teterboro - Elevation 8 ft

Runway	01		06		19		24	
LDA	6,161 ft		6,013 ft		6,230 ft		6,013 ft	
Slope	-0.03%		0.03%		0.03%		-0.03%	
Winds	↓ 2 kts ← 14 kts		↓ 11 kts ← 9 kts		↑ 2 kts → 14 kts		↑ 11 kts → 9 kts	
	Dist (ft)	MLW (lbs) LIMIT	Dist (ft)	MLW (lbs) LIMIT	Dist (ft)	MLW (lbs) LIMIT	Dist (ft)	MLW (lbs) LIMIT
Planned winds	2,551	34,524 Structural	2,412	34,524 Structural	2,611	34,524 Structural	Landing Impossible	
Zero winds	2,568	34,524 Structural	2,558	34,524 Structural	2,558	34,524 Structural	2,568	34,524 Structural
10 kts tail	3,000	34,524 Structural	2,989	34,524 Structural	2,989	34,524 Structural	3,001	34,524 Structural

Computed using EOP Database 20230517, Aircraft data version 2.0, AFM Revision Level : Rev 17.

TAKEOFF (WITH REVERSERS) FIELD LENGTH - FEET FLAPS - 7° 1000 FEET

(OVER 15 FOOT SCREEN HEIGHT)

CONDITIONS: WET RUNWAY

RUNWAY GRADIENT - ZERO
LANDING GEAR - DOWN
SPEED BRAKES - RETRACT

ANTI-ICE OFF

INOPERATIVE ENGINE - WINDMILLING AFTER V1
GO -- OPERATING ENGINE(S) - TAKEOFF THRUST
STOP -- OPERATING ENGINE(S) - MAX REVERSE THRUST

SOME CONDITIONS DO NOT MEET CLIMB REQUIREMENTS. OBTAIN ALLOWABLE WEIGHT FROM MAXIMUM TAKEOFF WEIGHT TABLES.

WEIGHT = 20200 LBS												WEIGHT = 20000 LBS													
VENR = 160 KIAS												VENR = 160 KIAS													
TEMP DEG C	TAILWIND		ZERO WIND		HEAD WINDS						VR KIAS	V2 KIAS	TEMP DEG C	TAILWIND		ZERO WIND		HEAD WINDS						VR KIAS	V2 KIAS
	10 KTS	V1 DIST	V1 DIST	10 KTS	20 KTS	30 KTS	V1 DIST	V1 DIST	V1 DIST	10 KTS				V1 DIST	V1 DIST	10 KTS	20 KTS	30 KTS	V1 DIST	V1 DIST	V1 DIST				
-25	98	4660	97	3720	98	3480	98	3250	99	3030	110	125	-25	97	4580	96	3650	97	3420	97	3190	98	2980	109	124
-20	98	4730	97	3780	98	3550	98	3320	99	3090	110	125	-20	97	4650	96	3720	97	3480	97	3250	98	3030	109	124
-15	98	4810	97	3850	98	3610	98	3380	99	3150	110	125	-15	97	4720	96	3780	97	3540	97	3310	98	3090	109	124
-10	98	4880	97	3910	98	3670	98	3440	99	3210	110	125	-10	97	4790	96	3840	97	3610	97	3370	98	3150	109	124
-5	98	4950	97	3980	98	3740	98	3500	99	3270	110	125	-5	97	4870	96	3910	97	3670	97	3430	98	3210	109	124
0	98	5020	97	4050	98	3800	98	3560	99	3330	110	125	0	97	4940	96	3970	97	3730	97	3500	98	3270	109	124
5	98	5100	97	4110	98	3870	98	3620	99	3390	110	125	5	97	5010	96	4040	97	3790	97	3560	98	3330	109	124
10	98	5180	97	4180	98	3930	98	3690	99	3450	110	125	10	97	5090	96	4110	97	3860	97	3620	98	3390	109	124
15	98	5260	97	4250	98	4000	98	3750	99	3520	110	125	15	97	5160	96	4170	97	3930	97	3690	98	3450	109	124
20	98	5350	97	4320	98	4070	98	3820	99	3580	110	125	20	97	5250	96	4250	97	4000	98	3750	98	3520	109	124
25	99	5650	99	4560	99	4300	100	4040	100	3790	110	125	25	99	5540	98	4480	98	4220	99	3960	100	3720	109	124
30	102	6120	101	4930	101	4650	102	4370	102	4100	110	125	30	101	6000	100	4840	100	4560	101	4290	102	4020	109	124
35	104	6690	103	5380	104	5070	104	4770	105	4490	110	125	35	104	6560	103	5280	103	4980	103	4680	104	4400	109	125
40	107	7430	106	5960	107	5610	107	5290	107	4970	110	125	40	107	7280	105	5840	106	5500	106	5180	106	4870	110	125
45	111	8350	109	6660	109	6270	110	5900	110	5550	110	125	45	110	8140	108	6520	108	6140	109	5770	109	5430	110	125
													47	110	8720	109	6810	110	6420	110	6030	110	5670	110	125

WEIGHT = 19500 LBS												WEIGHT = 19000 LBS													
VENR = 160 KIAS												VENR = 160 KIAS													
TEMP DEG C	TAILWIND		ZERO WIND		HEAD WINDS						VR KIAS	V2 KIAS	TEMP DEG C	TAILWIND		ZERO WIND		HEAD WINDS						VR KIAS	V2 KIAS
	10 KTS	V1 DIST	V1 DIST	10 KTS	20 KTS	30 KTS	V1 DIST	V1 DIST	V1 DIST	10 KTS				V1 DIST	V1 DIST	10 KTS	20 KTS	30 KTS	V1 DIST	V1 DIST	V1 DIST				
-25	94	4380	94	3490	95	3260	95	3040	96	2840	108	122	-25	92	4190	92	3330	92	3110	93	2900	94	2700	106	121
-20	94	4450	94	3550	95	3320	95	3100	96	2890	108	122	-20	92	4260	92	3390	92	3170	93	2960	94	2750	106	121
-15	94	4520	94	3610	95	3380	95	3160	96	2950	108	122	-15	92	4320	92	3450	92	3230	93	3010	94	2800	106	121
-10	94	4590	94	3670	95	3440	95	3220	96	3000	108	122	-10	92	4390	92	3500	92	3280	93	3070	94	2860	106	121
-5	95	4660	94	3730	95	3500	95	3280	96	3060	108	122	-5	92	4450	92	3560	92	3340	93	3120	94	2910	106	121
0	95	4720	94	3790	95	3560	95	3330	96	3110	108	122	0	92	4520	92	3620	92	3400	93	3180	94	2960	106	121
5	95	4790	94	3860	95	3620	95	3390	96	3170	108	122	5	92	4580	92	3680	92	3450	93	3230	94	3020	106	121
10	95	4870	94	3920	95	3680	95	3450	96	3230	108	122	10	92	4650	92	3740	93	3510	93	3290	94	3070	106	121
15	95	4940	94	3990	95	3750	95	3510	96	3290	108	122	15	92	4720	92	3800	93	3570	93	3350	94	3130	106	121
20	95	5010	94	4050	95	3810	95	3580	96	3350	108	122	20	92	4790	92	3870	93	3630	93	3410	94	3190	106	121
25	97	5290	96	4280	96	4020	97	3780	97	3540	108	122	25	94	5050	94	4080	94	3830	95	3500	95	3370	106	121
30	99	5720	98	4620	98	4350	99	4080	99	3830	108	123	30	97	5440	96	4400	96	4140	97	3880	97	3640	106	121
35	101	6240	100	5030	101	4740	101	4450	102	4180	108	123	35	99	5930	98	4780	99	4500	99	4230	100	3970	107	121
40	104	6910	103	5550	104	5230	104	4920	104	4620	108	123	40	102	6560	101	5270	101	4970	102	4570	102	4380	107	122
45	108	7710	106	6170	106	5810	107	5470	107	5140	108	123	45	105	7300	104	5850	104	5510	104	5180	105	4870	107	122
47	109	8090	107	6450	107	6070	108	5710	108	5370	108	123	49	107	8080	106	6370	106	6010	106	5650	107	5310	107	122
49	109	8730	108	6750	108	6350	109	5980	109	5650	108	123	50	107	8400	107	6530	107	6150	107	5790	107	5440	107	122

WEIGHT = 18500 LBS												WEIGHT = 18000 LBS													
VENR = 160 KIAS												VENR = 160 KIAS													
TEMP DEG C	TAILWIND		ZERO WIND		HEAD WINDS						VR KIAS	V2 KIAS	TEMP DEG C	TAILWIND		ZERO WIND		HEAD WINDS						VR KIAS	V2 KIAS
	10 KTS	V1 DIST	V1 DIST	10 KTS	20 KTS	30 KTS	V1 DIST	V1 DIST	V1 DIST	10 KTS				V1 DIST	V1 DIST	10 KTS	20 KTS	30 KTS	V1 DIST	V1 DIST	V1 DIST				
-25	90	4000	89	3170	90	2960	91	2760	92	2570	105	119	-25	87	3820	87	3020	88	2820	89	2630	89	2440	103	117
-20	90	4070	89	3230	90	3020	91	2810	92	2620	105	119	-20	87	3880	87	3070	88	2870	89	2670	89	2490	103	117
-15	90	4130	89	3280	90	3070	91	2870	92	2670	105	119	-15	87	3940	87	3130	88	2920	89	2720	89	2530	103	117
-10	90	4190	90	3340	90	3130	91	2920	92	2720	105	119	-10	87	4000	87	3180	88	2970	89	2770	89	2580	103	117
-5	90	4250	90	3390	90	3180	91	2970	92	2770	105	119	-5	87	4060	87	3230	88	3020	89	2820	89	2630	103	117
0	90	4310	90	3450	90	3230	91	3020	92	2820	105	119	0	87	4120	87	3290	88	3080	89	2870	89	2680	103	117
5	90	4380	90	3510	90	3290	91	3080	92	2870	105	119	5	88	4180	87	3340	88	3130	89	2920	89	2730	103	117
10	90	4440	90	3570	90	3340	91	3130	92	2920	105	119	10	88	4240	87	3390	88	3180	89	2970	90	2780	103	117
15	90	4510	90	3630	90	3400	91	3190	92	2980	105	119	15	88	4300	87	3450	88	3240	89	3030	90	2830	103	117
20	90	4580	90	3690	90	3460	91	3240	92	3030	105	119	20	88	4370	88	3510	88	3290	89	3080	90	2880	103	117
25	92	4820	91	3880	92	3650	93	3420	93	3200	105	119	25	89	4590	89	3690	90	3470	90	3250	91	3030	103	117
30	94	5190	94	4180	94	3930	95	3690	95	3450	105	119	30	92	4940	91	3980	92	3740	92	3500	93	3280	103	118
35	97	5640	96	4550	96	4280	97	4020	97	3760	105	120	35	95	5370	94	4320	94	4060	95	3810	95	3560	104	118
40	100	6220	99	5010	99	4710	99	4430	100	4150	105	120	40	98	5900	96	4750	97	4470	97	4190	98	3930	104	118
45	103	6910	101	5540	102	5220	102	4910	102	4600	105	120	45	101	6540	99	5250	99	4940	100	4640	100	4350	104	119
50	106	7760	104	6170	104	5810	105	5460	105	5130	106	120	50	104	7290	102	5830	102	5490	102	5160	103	4840	104	119
52	106	8410	105	6460	106	6090	106	5730	106	5400	106	120	52	104	7750	103	6100	103	5750	103	5400	104	5070	104	118

TAKEOFF FIELD LENGTH - FEET

FLAPS - 7°

DRY RUNWAY WITHOUT THRUST REVERSERS	ADVERSE RUNWAY CONDITIONS (WITH THRUST REVERSER(S), ALL WINDS, 15 FT SCREEN HEIGHT)													
	WATER COVERED RUNWAY - INCHES*					SLUSH COVERED RUNWAY - INCHES*					SNOW INCHES*		COMPACT SNOW	WET ICE
	0.125	0.2	0.3	0.4	0.5	0.125	0.2	0.3	0.4	0.5	1.0	2.0		
1800	3100	3050	2950	2900	2900	3100	3050	3000	2950	2900	3100	3000	2450	4350
2000	3450	3400	3300	3200	3200	3450	3400	3350	3250	3200	3450	3350	2750	4900
2200	3750	3700	3600	3550	3550	3850	3700	3650	3600	3550	3800	3650	3000	5500
2400	4150	4050	3900	3850	3950	4150	4100	4000	3900	3850	4150	3950	3300	6100
2600	4450	4300	4200	4150	4700	4500	4350	4250	4200	4250	4400	4250	3550	6650
2800	4800	4650	4550	4450	6100	4850	4700	4600	4500	4600	4700	4550	3850	7400
3000	5200	5050	4850	4750	8550	5250	5100	4950	4800	5100	5000	4800	4150	7950
3200	5500	5350	5200	5050	10900	5550	5400	5250	5100	5800	5300	5050	4350	8300
3400	5750	5650	5500	5350	12150	5800	5700	5550	5450	6750	5600	5300	4600	8650
3600	6050	5950	5750	5700	13750	6100	6000	5850	5750	8850	5850	5600	4850	9000
3800	6400	6250	6050	6000	15550	6400	6250	6100	6000	10450	6150	5900	5100	9350
4000	6700	6550	6350	6250		6700	6550	6400	6300	11650	6450	6200	5350	9750
4200	7100	6900	6700	6600		7000	6850	6700	6600	12900	6700	6450	5600	10100
4400	7400	7200	7000	6900		7250	7100	6950	6850	14300	6950	6700	5750	10450
4600	7700	7450	7250	7150		7550	7400	7200	7100	15850	7200	7000	6050	10850
4800	8000	7750	7550	7450		7800	7650	7450	7400		7500	7300	6250	11200
5000	8300	8100	7850	7750		8150	7950	7750	7650		7800	7600	6500	11500
5200	8650	8400	8150	8050		8500	8300	8050	7950		8050	7900	6700	11850
5400	8950	8700	8450	8350		8800	8600	8400	8300		8350	8200	6900	12150
5600	9250	9000	8750	8600		9100	8900	8700	8550		8600	8450	7100	12450
5800	9500	9250	9050	8800		9350	9150	8950	8750		8850	8750	7250	12700
6000	9700	9450	9250	9000		9550	9300	9150	8950		9000	9000	7400	12900
6200	9900	9650	9450	9250		9800	9550	9350	9200		9200	9300	7550	13100
6400	10100	9850	9650	9450		9950	9750	9550	9400		9400	9600	7650	13300
6600	10300	10050	9800	9650		10150	9950	9800	9650		9550	9900	7800	13500
6800	10450	10200	9900	9850		10300	10100	9950	9900		9700	10200	7950	13650
7000	10550	10350	10050	10150		10450	10200	10050	10100		9800	10450	8050	13800
7200	10700	10450	10200	10350		10550	10350	10150	10300		9950	10750	8150	13950
7400	10800	10600	10350	10700		10700	10500	10300	10550		10100	11050	8200	14100
7600	10950	10800	10450	11250		10800	10600	10450	10750		10250	11350	8300	14250
7800	11100	10900	10600	12200		10950	10750	10600	11000		10400	11600	8400	14400
8000	11250	11000	10750	14300		11100	10850	10750	11300		10600	11900	8500	14550
8500	11500	11250	11200	17000		11300	11100	11400	12000		11400	12600	8750	14800
9000	11700	11550	11700			11550	11400	12250	12650		13150	13350	9050	15050
9500	11900	11800	12350			11850	11600	13850	13250		15700	14050	9500	
10000	12200	12150	13650			12050	12000	15800	13950			14750	10000	
10500	12400	12650	15450			12200	12400		14650			15500	10500	
11000	12600	13100				12400	13200		15300				11000	
12000	13000	14600				12900	16000						12000	
13000	13350	15900				13350							13000	
14000	14000					14100							14000	
15000	15000					15100							15000	

* Takeoffs should not be attempted in any precipitation depth greater than the highest depth presented or if any of the following limits are exceeded. If no limit is presented use the dry runway limit.

Contaminate	Altitude	Temperature	Gross Weight	Wind
0.2 Inches Water	—	Greater than ISA+35° C	—	—
0.3 Inches Water	Greater than 11,000 ft	Greater than ISA+10° C	—	—
0.4 Inches Water	Greater than 9,000 ft	Greater than ISA	—	—
0.5 Inches Water	Greater than 8,000 ft	Greater than ISA	Greater than 16,000 lbs	Any Tailwind
0.3 Inches Slush	Greater than 13,000 ft	Greater than ISA+5° C	—	—
0.4 Inches Slush	Greater than 9,000 ft	Greater than ISA	—	—
0.5 Inches Slush	Greater than 8,000 ft	Greater than ISA	Greater than 17,500 lbs	Any Tailwind
1.0 Inch Snow	Greater than 13,000 ft	Greater than ISA+10° C	—	Any Tailwind
2.0 Inches Snow	Greater than 9,000 ft	Greater than ISA+5° C	Greater than 17,000 lbs	Any Tailwind

Figure 4-391-2



Bravo Ventures, LLC

547 South Park Street
Reedsburg, WI. 53959
608-963-1082
talibrando@msn.com

April 25th, 2023

Baraboo-Dells Airport Commission
50 Wisconsin Dells Parkway South
Wisconsin Dells, WI 53965

Dear Airport Commission Members:

I am writing to offer our support for the extension of Runway 1/19 at the Baraboo-Wisconsin Dells Regional Airport.

Our operation consists of multiple owners operating a diverse range of businesses in the surrounding area including - Hospitality, Entertainment, Retail, Manufacturing, and, Finance. We are currently based at the airport where we provide industrial aid in support of these operations. In 2022 our group generated 119 operations with our Cessna Citation Bravo Aircraft (C-550B) and we only expect this number to grow. Our Typical trip has an average stage length of 800NM and a typical load factor of 80% with many of our trips reaching out to 1150NM range and a load factor in excess of 75%. The aircraft is operationally limited based on the current length of the runway 1/19 surface. We. Support the extension of the runway to 6000'. Below is a brief summary of the operating limits of the aircraft.

- * Cessna/Citation/Bravo
- * Anticipated Aircraft Takeoff Weight from KDLL: 14,800
- * Anticipated Aircraft Landing Weight at KDLL: 12,500
- * Minimum Aircraft Takeoff Length Requirements Dry/Wet (Standard): 3760 / 4220
- * Minimum Aircraft Landing Length Requirements Dry/Wet (Standard): 2890 / 5660
- * Typical Winter Operations, T.O: 14,800#, 32F, Dry/Compacted Snow: 3530 / 6350
- * Typical Winter Operations, Landing: 12,500#, 32F, Dry/Compacted Snow: 2730 / 5650

Obviously there are thousands of possible scenarios computing Takeoff and Landing Performance for any aircraft. I have attached four of hundreds of pages of performance data that we utilize to determine Takeoff and Landing Distance requirements for various situations. A quick glance and you can see that the distance required can be far in excess of what is listed above.

For this reason we support the increased capabilities of the runway at KDLL in order to better serve not only our own operations, but those of the airport and the region as a whole. Please take our support into consideration for future planning at KDLL. If any additional information is needed, please do not hesitate to contact me at 608-963-1082.

Respectfully

Thomas L. Alibrando

**AIRPORT USER SURVEY
BARABOO-WISCONSIN DELLS REGIONAL AIRPORT
AIRPORT MASTER PLAN**

7. Do you currently make aircraft load concessions to operate at DLL? Yes No
If yes, what concessions do you make? LESS FUEL

8. Please indicate the basis of your runway length requirements:
 Pilot Operating Handbook Insurance Requirement
 Company Policy Other (Please Specify) _____

9. Do you use the existing instrument approaches? Yes No
If the approaches do not meet your needs, please explain: _____

10. Are you in need of additional hangar space at DLL? Yes No
If yes, what type of hangar do you prefer? T-Hangar "Box" Hangar Private Hangar Site

11. Please rate the airport facilities in with regards to your operations at DLL:

	Inadequate	Marginal	Adequate	Not Applicable
Runway 1/19 Length	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Turf Crosswind Runway Surface	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – T-Hangar Rental Unit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – Conventional Hangar Development Site	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – Transient/Overnight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Repair/Maintenance	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Self Service Fueling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Full Service Fueling/Line Services/Fueling Truck	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Ground Transportation (Shuttle, Taxi Service, Rental Cars, Courtesy Car)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Pilot Shop	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Crew Rest Area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Flight Training/Instruction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Charter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Business Center/Meeting Facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Hangar Area Lighting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

12. Please provide any additional comments or concerns about the DLL airport facilities or future needs:
ANY INCREASE IN RUNWAY 01/19 LENGTH WOULD IMPROVE SAFETY MARGINS

CONTACT INFORMATION (OPTIONAL)

Please provide the following information pertaining to the individual who completed this survey.

Name: THOMAS L. ALIBRANDO
Company/Affiliation: BRAVO VENTURES, LLC
Address: 547 S. PARK ST.
REEDSBURG, WI 53959
Phone: 608-963-1082
E-mail: TALIBRANDO@MSN.COM

May we contact you with any specific questions about this user survey? Yes No

NOTE: If your company or related vendors/clients operate from DLL, we kindly request you forward this survey to these individuals.

The Baraboo-Dells Airport Commission thanks you for completing this Airport User Survey!
Please contact Scott Nugent, Airport Planner, at snugent@coffmanassociates.com with any questions.

*** Please Return by June 30, 2023 ***

TAKEOFF FIELD LENGTH - FEET

FLAPS - 0°

DRY RUNWAY WITHOUT THRUST REVERSERS ANTI-ICE OFF	ADVERSE RUNWAY CONDITIONS (NO THRUST REVERSERS, ALL WINDS, 15 FT SCREEN HEIGHT)													
	WATER COVERED RUNWAY - INCHES*					SLUSH COVERED RUNWAY - INCHES*					SNOW INCHES*		COMPACT SNOW	WET ICE
	0.125	0.2	0.3	0.4	0.5	0.125	0.2	0.3	0.4	0.5	1.0	1.5		
	1800	4500	4150	3800	3600	3400	4700	4350	4000	3750	3600	4500	4150	3400
2000	5100	4700	4300	4000	3800	5200	4750	4350	4100	3950	4850	4500	3800	12600
2200	5800	5250	4750	4400	4150	5650	5150	4750	4450	4300	5250	4850	4100	13800
2400	6450	5800	5200	4900	4700	6150	5650	5150	4800	4700	5600	5200	4500	15000
2600	7150	6350	5700	5350	5100	6800	6100	5550	5150	5200	6000	5550	4800	
2800	7800	6900	6150	5900	5400	7500	6700	6000	5600	5750	6350	5850	5200	
3000	8550	7450	6600	6350	5750	8100	7250	6500	6150	6200	6600	6200	5550	
3200	9250	8050	7100	6700	6150	8750	7800	6950	6500	6600	7000	6550	5950	
3400	9950	8600	7600	7050	6550	9400	8300	7400	6850	6950	7300	6900	6200	
3600	10500	9200	8100	7450	6900	9850	8750	7850	7250	7300	7650	7250	6450	
3800	10950	9650	8550	7800	7300	10350	9200	8250	7650	7650	8000	8200	6650	
4000	11400	10150	8950	8250	7700	10800	9650	8650	7950	8050	8400	11000	6900	
4200	11950	10600	9400	8600	8050	11250	10050	9050	8350	8300	8750	15000	7050	
4400	12350	11050	9800	8950	8450	11700	10500	9450	8750	8500	9100		7300	
4600	12850	11450	10250	9400	8800	12100	10900	9800	9100	8750	9500		7500	
4800	13300	11900	10650	9800	9150	12600	11350	10200	9450	9000	9850		7700	
5000	13750	12250	11000	10150	9500	12950	11700	10550	9750	9400	10200		7850	
5200	14100	12650	11350	10500	9850	13350	12100	10950	10150	9800	10550		8050	
5400	14500	13050	11750	10850	10200	13750	12500	11250	10450	10200	11000		8200	
5600	14950	13500	12150	11250	10550	14250	12900	11650	10800	10600	11800		8350	
5800	15350	13850	12500	11650	10900	14600	13250	12000	11100	11000	12750		8500	
6000		14250	12850	12000	11250	15050	13650	12350	11450	11400	15100		8700	
6200		14650	13250	12400	11600		14000	12650	11750	11800			8850	
6400		15000	13600	12750	11950		14350	13000	12100	12200			9000	
6600			13950	13100	12300		14650	13250	12350	12600			9150	
6800			14250	13450	12650		14950	13550	12650	13000			9250	
7000			14600	13850	13000		15250	13850	13000	13400			9400	
7200			14950	14250	13350			14150	13350	13800			9550	
7400			15300	14650	13700			14500	13700	14200			9700	
7600				15050	14000			14750	14050	14600			9850	
7800					14350			15000	14400	15000			9950	
8000					14700			15250	14750				10100	
8400					15400				15450				10400	
8800													10700	
9200													10950	
9600													11150	
10000													11350	
11000													11800	
12000													12150	
13000													13000	
14000													14000	
15000													15000	

* Takeoffs should not be attempted in any precipitation depth greater than the highest depth presented or if any of the following limits are exceeded.

Contaminate	Altitude	Temperature	Gross Weight	Wind
0.3 Inches Water	No Limitation	Greater than ISA+35° C	No Limitation	No Limitation
0.4 Inches Water	No Limitation	Greater than ISA+5° C	No Limitation	No Limitation
0.5 Inches Water	Greater than 5000 ft	Greater than ISA	Greater than 14,000 lbs	No Limitation
0.3 Inches Slush	No Limitation	Greater than ISA+30° C	No Limitation	No Limitation
0.4 Inches Slush	Greater than 11,000 ft	Greater than ISA+10° C	No Limitation	No Limitation
0.5 Inches Slush	Greater than 5000 ft	Greater than ISA	Greater than 13,000 lbs	No Limitation
1.0 Inch Snow	Greater than 11,000 ft	Greater than ISA	Greater than 14,500 lbs	Any Tailwind
1.5 Inches Snow	Greater than 6000 ft	Greater than ISA	Greater than 13,500 lbs	Any Tailwind

Figure 7-5

MODEL 550

TAKEOFF FIELD LENGTH - FEET

FLAPS - 15°

DRY RUNWAY WITHOUT THRUST REVERSERS ANTI-ICE OFF	ADVERSE RUNWAY CONDITIONS (NO THRUST REVERSERS, ALL WINDS, 15 FT SCREEN HEIGHT)												
	WATER COVERED RUNWAY - INCHES*				SLUSH COVERED RUNWAY - INCHES*					SNOW INCHES*		COMPACT SNOW	WET ICE
	0.125	0.2	0.3	0.4	0.125	0.2	0.3	0.4	0.5	1.0	1.5		
1600	3650	3350	3200	3050	3850	3600	3350	3200	3100	3700	3450	2850	8100
1800	4150	3800	3600	3400	4300	4050	3750	3550	3450	4150	3900	3200	9250
2000	4650	4300	4000	3750	4750	4450	4100	3950	3800	4550	4250	3600	10300
2200	5150	4750	4400	4100	5200	4800	4450	4250	4300	4950	4600	3950	11350
2400	5700	5250	4750	4500	5650	5250	4850	4550	6200	5250	4950	4350	12350
2600	6350	5800	5200	4950	6150	5650	5150	4850	9700	5650	5300	4750	13300
2800	6850	6200	5650	6450	6650	6100	5550	5200	15250	6000	5650	5050	14250
3000	7450	6700	6050	6700	7300	6600	6000	5550		6350	6000	5350	15250
3200	8100	7250	6500	6800	7850	7100	6400	5950		6700	6400	5700	
3400	8750	7800	6950	6900	8400	7550	6850	6350		7000	9100	6050	
3600	9300	8250	7400	7050	8950	8000	7250	6750		7350	12500	6350	
3800	9800	8750	7850	7250	9400	8500	7700	7100		7700	16000	6700	
4000	10250	9200	8250	7650	9800	8850	8050	7450		8100		7000	
4200	10700	9650	8600	8000	10250	9250	8400	7800		8550		7200	
4400	11150	10050	9050	8400	10650	9650	8800	8150		9600		7450	
4600	11600	10500	9400	8750	11050	10050	9150	8500		11400		7650	
4800	11950	10850	9750	9100	11400	10400	9550	8850		15000		7900	
5000	12350	11200	10150	9450	11850	10850	9900	9250				8100	
5200	12750	11600	10500	9850	12250	11200	10250	9600				8250	
5400	13100	11950	10850	10200	12600	11550	10600	9950				8450	
5600	13450	12300	11200	10600	13000	11900	10900	10300				8600	
5800	13850	12700	11500	11000	13350	12250	11200	10700				8800	
6000	14250	13050	11850	11350	13700	12550	11500	11050				8950	
6200	14650	13400	12150	11750	14050	12900	11850	11400				9150	
6400	15000	13750	12500	12100	14400	13200	12150	11750				9300	
6600	15300	14050	12800	12500	14700	13500	12450	12100				9450	
6800		14400	13150	12850	15050	13850	12750	12450				9600	
7000		14700	13500	13250		14150	13050	12800				9750	
7600		15550	14500	14350		15050	14000	13900				10200	
8200			15550	15500			15000	15000				10650	
8800												11050	
9400												11450	
10000												11850	
11000												12450	
12000												13100	
13000												13700	
14000												14300	
15000												15000	

* Takeoffs should not be attempted in any precipitation depth greater than the highest depth presented or if any of the following limits are exceeded.

Contaminate	Altitude	Temperature	Gross Weight	Wind
0.3 Inches Water	Greater than 12,000 ft	Greater than ISA+10° C	No Limitation	No Limitation
0.4 Inches Water	Greater than 8000 ft	Greater than ISA	Greater than 12,000 lbs	No Limitation
0.2 Inches Slush	No Limitation	Greater than ISA+25° C	No Limitation	No Limitation
0.3 Inches Slush	Greater than 11,000 ft	Greater than ISA	No Limitation	No Limitation
0.4 Inches Slush	Greater than 7000 ft	Greater than ISA	Greater than 11,500 lbs	No Limitation
0.5 Inches Slush	Greater than 5000 ft	Greater than ISA	Greater than 11,500 lbs	No Limitation
1.0 Inch Snow	Greater than 9000 ft	Greater than ISA	Greater than 14,000 lbs	Any Tailwind
1.5 Inches Snow	Greater than 6000 ft	Greater than ISA	Greater than 13,000 lbs	Any Tailwind

Figure 7-6

Configuration AA

LANDING DISTANCE - FEET

FLAPS - FULL

DRY RUNWAY WITHOUT THRUST REVERSERS	ADVERSE RUNWAY CONDITIONS (NO THRUST REVERSERS, VREF, WITHOUT TAILWINDS, 50 FT SCREEN HEIGHT)														
	WET RUNWAY	WATER COVERED RUNWAY-INCHES					SLUSH COVERED RUNWAY-INCHES					SNOW-INCHES		COMPACT SNOW	WET ICE
		0.125	0.2	0.3	0.4	0.5	0.125	0.2	0.3	0.4	0.5	1.0	2.0		
1200	1900	2850	2700	2400	2200	2100	3000	2750	2600	2350	2300	2900	2550	1950	6800
1600	2500	3650	3450	3150	2900	2800	3800	3500	3300	3100	2900	3650	3250	2600	10850
2000	3100	4450	4150	3850	3600	3500	4500	4250	3950	3750	3550	4350	3900	3250	16300
2400	3750	5300	4850	4550	4250	4100	5300	5000	4600	4400	4200	5050	4550	3900	
2800	4350	6300	5800	5300	4950	4700	6200	5800	5300	5050	4800	5850	5200	4600	
3200	5000	7400	6750	6050	5650	5350	7200	6600	6000	5700	5350	6600	5800	5250	
3600	5650	8500	7700	6900	6350	5950	8350	7550	6800	6300	5900	7400	6350	5800	
4000	6300	9500	8650	7700	7000	6550	9350	8500	7550	6950	6500	8100	6950	6200	
4400	6950	10400	9500	8500	7700	7150	10250	9300	8350	7600	7050	8850	7500	6550	
4800	7600	11300	10300	9250	8450	7750	11150	10100	9100	8250	7700	9600	8050	6900	
5200	8250	12100	11050	9950	9150	8350	12000	10850	9800	8900	8250	10350	8550	7150	
5600	8950	12900	11800	10850	9750	8900	12800	11600	10450	9500	8800	11150	9100	7350	
6000	9650	13650	12550	11300	10300	9500	13600	12300	11050	10150	9350	11950	9600	7550	
6400	10300	14400	13200	11900	10850	10050	14350	13000	11650	10750	9850	12700	10150	7750	
6800	10950	15100	13900	12550	11400	10600	15050	13650	12300	11300	10400	13450	10700	7950	
7200	11600		14550	13150	11900	11150		14300	12900	11900	10900	14200	11250	8100	
7600	12300		15200	13750	12400	11700		15000	13550	12500	11450	14900	11850	8250	
8000	12950			14300	12850	12200			14200	13150	12000	15600	12400	8400	
8400	13650			14850	13450	12700			14850	13800	12600		12950	8500	
8800	14350			15400	14150	13200			15500	14500	13250		13550	8800	
9200	15050				14950	13800				15200	13900		14150	9200	
9600					15800	14400					14600		14700	9600	
10000						15100					15300		15300	10000	
10400														10400	
10800														10800	
11200														11200	
11600														11600	
12000														12000	
12400														12400	
12800														12800	
13200														13200	
13600														13600	
14000														14000	
14400														14400	
14800														14800	
15200														15200	

NOTE: The published limiting maximum tailwind component for this airplane is 10 knots, however, Cessna does not recommend landings on precipitation covered runways with any tailwind component. If a tailwind landing cannot be avoided, multiply the above data by the following factor:

	WET	WATER COVERED RUNWAY - INCHES					SLUSH COVERED RUNWAY - INCHES					SNOW - INCHES		COMPACT	WET
	RUNWAY	0.125	0.2	0.3	0.4	0.5	0.125	0.2	0.3	0.4	0.5	1.0	2.0	SNOW	ICE
TAILWIND FACTOR	1.04	1.10	1.08	1.07	1.08	1.07	1.08	1.09	1.09	1.05	1.07	1.09	1.05	1.04	*

* LANDINGS WITH ANY TAILWIND SHOULD NOT BE ATTEMPTED ON WET ICE.

Figure 7-7

LANDING DISTANCE - FEET

FLAPS - FULL

DRY RUNWAY WITHOUT THRUST REVERSERS	ADVERSE RUNWAY CONDITIONS (NO THRUST REVERSERS, VREF+10, WITHOUT TAILWINDS, 50 FT SCREEN HEIGHT)														
	WET RUNWAY	WATER COVERED RUNWAY-INCHES					SLUSH COVERED RUNWAY-INCHES					SNOW-INCHES		COMPACT	WET
		0.125	0.2	0.3	0.4	0.5	0.125	0.2	0.3	0.4	0.5	1.0	2.0	SNOW	ICE
1200	2350	3200	2900	2650	2550	2400	3200	2950	2800	2600	2450	3050	2900	2400	8000
1400	2700	3800	3400	3150	3000	2850	3700	3500	3300	3050	2900	3550	3400	2800	9800
1600	3050	4300	3900	3600	3450	3200	4300	4000	3750	3500	3250	4050	3800	3250	11800
1800	3450	4900	4450	4100	3900	3600	4800	4500	4200	3900	3650	4550	4200	3700	14200
2000	3800	5450	5000	4600	4300	4000	5400	4950	4650	4350	4100	5050	4650	4050	17000
2200	4200	6050	5500	5050	4750	4400	5950	5500	5150	4750	4500	5550	5050	4500	
2400	4650	6650	6100	5550	5250	4850	6500	6050	5600	5200	4900	6050	5500	4900	
2600	5100	7250	6600	6050	5700	5250	7100	6600	6100	5650	5300	6550	5850	5300	
2800	5550	7850	7200	6550	6150	5650	7700	7100	6550	6100	5700	7050	6250	5650	
3000	6000	8500	7800	7100	6600	6100	8350	7700	7050	6550	6100	7600	6600	6050	
3200	6500	9400	8500	7700	7100	6500	9100	8350	7600	7000	6550	8150	7000	6400	
3400	7050	10200	9200	8200	7550	6950	9950	8900	8100	7400	6950	8700	7400	6750	
3600	7550	10900	9850	8800	8000	7400	10650	9550	8600	7850	7350	9250	7800	7100	
3800	8050	11550	10450	9400	8500	7850	11350	10150	9150	8350	7800	9750	8150	7350	
4000	8650	12150	11050	10000	9000	8300	12000	10850	9700	8850	8200	10300	8550	7600	
4200	9200	12800	11650	10500	9500	8800	12650	11500	10300	9300	8650	10850	8950	7800	
4400	9800	13500	12250	11000	10050	9300	13350	12150	10850	9850	9150	11500	9350	7950	
4600	10400	14150	12850	11550	10500	9800	14050	12800	11450	10350	9700	12100	9800	8150	
4800	11050	14900	13500	12100	11050	10300	14850	13500	12050	10950	10250	12800	10250	8300	
5000	11750	15600	14150	12700	11550	10800	15650	14150	12700	11500	10800	13450	10750	8450	
5200	12400		14900	13300	12100	11350		14850	13350	12050	11450	14200	11300	8550	
5400	13150		15600	13900	12750	11900		15550	14000	12750	12100	14950	11800	8700	
5600	13900														
5800	14750			15300	14200	13150			15500	14200	13500		13000	8900	
6000	15650				15000	13950				15000	14250		13650	9000	
6200						14750					15050		14350	9100	
6400						15600							15050	9200	
6600														9250	
6800														9350	
7000														9400	
7800														9650	
8600														9850	
9400														10000	
10200														10200	
11000														11000	
11800														11800	
12600														12600	
13400														13400	

NOTE: The published limiting maximum tailwind component for this airplane is 10 knots, however, Cessna does not recommend landings on precipitation covered runways with any tailwind component. If a tailwind landing cannot be avoided, multiply the above data by the following factor:

TAILWIND FACTOR	WET RUNWAY	WATER COVERED RUNWAY - INCHES					SLUSH COVERED RUNWAY - INCHES					SNOW - INCHES		COMPACT	WET
	1.02	1.06	1.07	1.12	1.10	1.10	1.07	1.08	1.13	1.12	1.11	1.12	1.13	1.06	*

* LANDINGS WITH ANY TAILWIND SHOULD NOT BE ATTEMPTED ON WET ICE.

Figure 7-8
Configuration AA

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AIRPORT USER SURVEY
BARABOO-WISCONSIN DELLS REGIONAL AIRPORT
AIRPORT MASTER PLAN

The Baraboo-Wisconsin Dells Regional Airport (DLL) is preparing an Airport Master Plan to evaluate airport facilities to better serve the economic vitality of the Wisconsin Dells/Lake Delton/Baraboo community and surrounding area.

The data collected in this survey will assist in making decisions for the improvement of the airport. No identifying information (contact information, N-numbers, etc.) will be published in the Airport Master Plan document.

Please return this survey, or direct any questions to:

Scott Nugent, Coffman Associates
 12920 Metcalf Ave, Suite 200
 Overland Park, KS 66213

Phone: (816) 399-4012
 Fax: (816) 524-2575
 E-mail: snugent@coffmanassociates.com

Please complete the following survey to the best of your ability:

1. How do you utilize general aviation aircraft?

- | | | |
|--------------------------------|--|---|
| <input type="checkbox"/> Own | <input type="checkbox"/> Fractional/Shared Ownership | <input type="checkbox"/> Other (Please Specify) _____ |
| <input type="checkbox"/> Rent | <input checked="" type="checkbox"/> Corporate Owned-Aircraft | |
| <input type="checkbox"/> Lease | <input type="checkbox"/> Flying Club | |

2. Do you base your aircraft at DLL?

- Yes No

If no, and you own an aircraft, where is it based? KUES

If adequate facilities existed, would you base your plane at DLL? Yes No

What additional facilities would you need to base your plane at DLL? Type 1 and 4 De-Ice, Longer Runway

3. What type of aircraft do you use when flying? If you use more than one aircraft, please include it here:

Aircraft Make/Model	N-Number (Optional)
Dassault Falcon 50EX	N803NL

The following questions are about your flight operations at DLL:

*An operation is defined as either a takeoff or a landing. A **single visit** to an airport is comprised of **two operations**, arriving at the airport, and later departing from the airport. An "itinerant" operation is a landing or takeoff of an airplane traveling from one airport to another airport at least 20 nautical miles away. Local operations include flights to local practice areas, touch-and-go operations within the traffic pattern, and agricultural aerial application operations.*

4. Please estimate your annual operations at DLL:

Local Operations	Itinerant Operations
74 (Aircraft was in Maintenance for 2 months)	

5. Are you considering an upgrade to your aircraft fleet in the next five years? Yes No

If yes, please indicate the following:

Aircraft Make/Model	Annual Operations at DLL	Reason for Upgrade

6. Are the runway lengths available at DLL adequate for your most demanding aircraft at desired weight?

- | | | |
|---------------------------------|---|---|
| | Adequate if wet/icy? | Adequate if hot? |
| Runway 1/19 (5,010 feet) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

If no, what runway length would you require to land at DLL? 6500

Do you have a need for a paved crosswind runway (Runway 14-32) at DLL? Yes No

(Over)

AIRPORT USER SURVEY
BARABOO-WISCONSIN DELLS REGIONAL AIRPORT
AIRPORT MASTER PLAN

7. Do you currently make aircraft load concessions to operate at DLL? Yes No
 If yes, what concessions do you make? Fuel/Range

8. Please indicate the basis of your runway length requirements:
 Pilot Operating Handbook Insurance Requirement
 Company Policy Other (Please Specify) _____

9. Do you use the existing instrument approaches? Yes No
 If the approaches do not meet your needs, please explain: It would be nice to have an approach to 200AGL

10. Are you in need of additional hangar space at DLL? Yes No
 If yes, what type of hangar do you prefer? T-Hangar "Box" Hangar Private Hangar Site

11. Please rate the airport facilities in with regards to your operations at DLL:

	<u>Inadequate</u>	<u>Marginal</u>	<u>Adequate</u>	<u>Not Applicable</u>
Runway 1/19 Length	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Turf Crosswind Runway Surface	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – T-Hangar Rental Unit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – Conventional Hangar Development Site	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – Transient/Overnight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Repair/Maintenance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Self Service Fueling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Full Service Fueling/Line Services/Fueling Truck	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Ground Transportation (Shuttle, Taxi Service, Rental Cars, Courtesy Car)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Pilot Shop	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Crew Rest Area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Flight Training/Instruction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Charter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Business Center/Meeting Facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Hangar Area Lighting	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

12. Please provide any additional comments or concerns about the DLL airport facilities or future needs:
We are required to complete a Flight Risk Assessment Tool (FRAT) prior to every operation, frequently we high point values due to runway length, and higher approach minimums.

CONTACT INFORMATION (OPTIONAL)

Please provide the following information pertaining to the individual who completed this survey.

Name: Laurie Stein

Company/Affiliation: Tria Entertainment / Stein's Aircraft Services, LLC

Address: 2651 Aviation Drive Waukesha, WI 53188

Phone: 262-751-3054

E-mail: laurie@stein.aero

May we contact you with any specific questions about this user survey? Yes No

NOTE: If your company or related vendors/clients operate from DLL, we kindly request you forward this survey to these individuals.

The Baraboo-Dells Airport Commission thanks you for completing this Airport User Survey!
 Please contact Scott Nugent, Airport Planner, at snugent@coffmanassociates.com with any questions.

***** Please Return by June 30, 2023 *****

FSI, Inc.



2651 Kirking Court Portage, WI 53901 - Phone: 1(608)742-2893 - Fax: 1(608)742-2903

Don Niederhauser, Chief Pilot
FSI, Inc.
2651 Kirking Ct.
Portage, WI 53901

24 April 2023

Baraboo-Dells Airport Commission
50 Wisconsin Dells Parkway South
Wisconsin Dells, WI 53965

Dear Airport Commission Members:

I am writing to offer our support for the extension of Runway 1/19 at Baraboo-Wisconsin Dells Regional Airport (DLL).

Our business consists of the operation of Culver's franchises in Wisconsin, Michigan, Indiana, Florida and Alabama. To facilitate the growth of the business, and the continued oversight, the use of the company aircraft is vital. FSI, Inc. began flight operations and constructed our hangar in 2019 at DLL.

We currently operate an Embraer Legacy 500. We are exploring an upgrade to an Embraer Praetor 600. We have conducted approximately 120 operations per year at DLL and reasonably expect that number to increase in the coming years. The Praetor 600 is operationally limited based on the current length of Runway 1/19. Although our current stage length is about 750nm it is not unusual for us to fly 1500-200nm or more. On a hot day it is entirely feasible that the longer stage lengths could require a lower than needed fuel load for the flight and, therefore, require a fuel stop enroute to the destination.

We support the extension of the runway to a minimum of 6001'. Below is a brief summary of the operating limits of the Praetor 600.

- Aircraft Make/Model/Variant: Embraer Praetor 600
- Anticipated Aircraft Takeoff Weight from DLL: up to 42,857 pounds
- Anticipated Aircraft Landing Weight at DLL: Landing weight/runway length is adequate
- Minimum Aircraft Takeoff Length Requirements (attach calculations, if available): 6001 feet
- Minimum Aircraft Landing Length Requirements (both dry and wet): N/A

We support the increased capabilities of the runway at DLL in order to better serve not only our own operations, but those of the airport and the region as a whole. Please take our support into consideration for future planning at DLL. If any additional information is needed, please do not hesitate to contact me at email, don@bleedblue.net or phone, 262-455-8955.

Best regards,

Don Niederhauser
Chief Pilot
FSI, Inc.

AIRPORT USER SURVEY BARABOO-WISCONSIN DELLS REGIONAL AIRPORT AIRPORT MASTER PLAN

The Baraboo-Wisconsin Dells Regional Airport (DLL) is preparing an Airport Master Plan to evaluate airport facilities to better serve the economic vitality of the Wisconsin Dells/Lake Delton/Baraboo community and surrounding area.

The data collected in this survey will assist in making decisions for the improvement of the airport. No identifying information (contact information, N-numbers, etc.) will be published in the Airport Master Plan document.

Please return this survey, or direct any questions to:

Scott Nugent, Coffman Associates
12920 Metcalf Ave, Suite 200
Overland Park, KS 66213

Phone: (816) 399-4012
Fax: (816) 524-2575
E-mail: snugent@coffmanassociates.com

Please complete the following survey to the best of your ability:

1. How do you utilize general aviation aircraft?

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> Own | <input type="checkbox"/> Fractional/Shared Ownership | <input type="checkbox"/> Other (Please Specify) _____ |
| <input type="checkbox"/> Rent | <input type="checkbox"/> Corporate Owned-Aircraft | |
| <input type="checkbox"/> Lease | <input type="checkbox"/> Flying Club | |

2. Do you base your aircraft at DLL? Yes No

If no, and you own an aircraft, where is it based? _____

If adequate facilities existed, would you base your plane at DLL? Yes No

What additional facilities would you need to base your plane at DLL? _____

3. What type of aircraft do you use when flying? If you use more than one aircraft, please include it here:

Aircraft Make/Model	N-Number (Optional)
Embraer Legacy 500 EMB-550	N608TB

The following questions are about your flight operations at DLL:

An operation is defined as either a takeoff or a landing. A **single visit** to an airport is comprised of **two operations**, arriving at the airport, and later departing from the airport. An "itinerant" operation is a landing or takeoff of an airplane traveling from one airport to another airport at least 20 nautical miles away. Local operations include flights to local practice areas, touch-and-go operations within the traffic pattern, and agricultural aerial application operations.

4. Please estimate your annual operations at DLL:

Local Operations	Itinerant Operations
	120

5. Are you considering an upgrade to your aircraft fleet in the next five years? Yes No

If yes, please indicate the following:

Aircraft Make/Model	Annual Operations at DLL	Reason for Upgrade
Embraer Praetor 600	120	More fuel, payload and range

6. Are the runway lengths available at DLL adequate for your most demanding aircraft at desired weight?

- | | | |
|---------------------------------|---|---|
| | Adequate if wet/icy? | Adequate if hot? |
| Runway 1/19 (5,010 feet) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

If no, what runway length would you require to land at DLL? 6001

Do you have a need for a paved crosswind runway (Runway 14-32) at DLL? Yes No

(Over)

**AIRPORT USER SURVEY
BARABOO-WISCONSIN DELLS REGIONAL AIRPORT
AIRPORT MASTER PLAN**

7. Do you currently make aircraft load concessions to operate at DLL? Yes No
 If yes, what concessions do you make? Not with our current aircraft but would need to operate at less than max weight in the Praetor 600. Would need the 6001' to operate max weight on hot days.

8. Please indicate the basis of your runway length requirements:
 Pilot Operating Handbook Insurance Requirement
 Company Policy Other (Please Specify) _____

9. Do you use the existing instrument approaches? Yes No
 If the approaches do not meet your needs, please explain: _____

10. Are you in need of additional hangar space at DLL? Yes No
 If yes, what type of hangar do you prefer? T-Hangar "Box" Hangar Private Hangar Site

11. Please rate the airport facilities in with regards to your operations at DLL:

	Inadequate	Marginal	Adequate	Not Applicable
Runway 1/19 Length	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Turf Crosswind Runway Surface	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aircraft Storage – T-Hangar Rental Unit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – Conventional Hangar Development Site	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – Transient/Overnight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Repair/Maintenance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Self Service Fueling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Full Service Fueling/Line Services/Fueling Truck	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Ground Transportation (Shuttle, Taxi Service, Rental Cars, Courtesy Car)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Pilot Shop	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Crew Rest Area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Flight Training/Instruction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Charter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Business Center/Meeting Facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Hangar Area Lighting	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

12. Please provide any additional comments or concerns about the DLL airport facilities or future needs:
The parallel taxiway to Runway 1/19 on the north end needs rehabilitated. Extremely rough.

CONTACT INFORMATION (OPTIONAL)

Please provide the following information pertaining to the individual who completed this survey.
 Name: Don Niederhauser, Chief Pilot
 Company/Affiliation: FSI, Inc.
 Address: 2651 Kirking Court
Portage, WI 53901
 Phone: 262-455-8955
 E-mail: don@bleedblue.net

May we contact you with any specific questions about this user survey? Yes No

NOTE: If your company or related vendors/clients operate from DLL, we kindly request you forward this survey to these individuals.

The Baraboo-Dells Airport Commission thanks you for completing this Airport User Survey!
 Please contact Scott Nugent, Airport Planner, at snugent@coffmanassociates.com with any questions.

***** Please Return by June 30, 2023 *****

Embraer Praetor 600
 Engine: AS907-3-1E
 AFM: APS550-ED-013.DAT;APS550-ED-013;22 NOV 2018;
 Obstacle Criteria: FAA AC 120-91A

TAKEOFF PERFORMANCE FLAPS 1

KDLL
 BARADOO-WISCONSIN DELLS REGL
 BARABOO, WI
 Elevation: 979

Configuration:

- AUTOBRAKE: OFF

UNABLE TO TAKEOFF AT MAX WEIGHT FLAPS 1

Runway	01	19	Line-Up
TORA (FT)	5010	5010	0
TODA (FT)	5010	5010	0
ASDA (FT)	5010	5010	0
SLOPE (%)	-0.19	0.19	

RUNWAY/OBSTACLE LIMIT						CLIMB
TEMP		LIMIT	LVL	LIMIT	LVL	LIMIT
(°C)	PWR	WT/CODE	OFF	WT/CODE	OFF	WEIGHT
-20	84.7	41880 -O	1369	42181 -O	1390	42858
-15	85.5	41602 -O	1369	41833 -O	1390	42858
-10	86.4	41329 -O	1369	41488 -O	1389	42858
-5	87.2	41056 -O	1369	41154 -O	1389	42858
0	88.0	40739 -O	1369	40832 -O	1389	42858
2	88.3	40616 -O	1369	40705 -O	1389	42858
4	88.7	40492 -O	1369	40579 -O	1389	42858
6	89.0	40371 -O	1369	40456 -O	1389	42858
8	89.3	40251 -O	1370	40333 -O	1389	42858
10	89.6	40133 -O	1370	40213 -O	1389	42858
12	90.0	40017 -O	1370	40095 -O	1389	42858
14	90.3	39897 -O	1370	39977 -O	1388	42858
16	90.6	39778 -O	1370	39854 -O	1388	42858
18	90.9	39660 -O	1370	39734 -O	1388	42858
20	91.2	39544 -O	1370	39616 -O	1388	42858
22	91.6	39439 -O	1370	39508 -O	1388	42858
24	91.9	39332 -O	1370	39401 -O	1388	42858
26	92.2	39150 -O	1370	39217 -O	1388	42858
28	92.4	38893 -O	1370	38963 -O	1388	42858
30	92.6	38642 -O	1370	38715 -O	1388	42858
32	92.3	38136 -O	1370	38211 -O	1388	42858
34	92.0	37632 -O	1370	37715 -O	1388	42858
36	91.6	37125 -O	1370	37209 -O	1388	42858
38	91.3	36625 -O	1370	36710 -O	1388	42858
40	90.9	36147 -O	1370	36235 -O	1388	42858
45	90.0	34872 -O	1371	35025 -O	1388	42858
48	89.6	34134 -O	1371	34352 -O	1387	42858

Corrections	LBS	FT	LBS	FT	LBS
HWD per KT	+98	0	+92	0	
TWD per KT	-433	0	-318	0	
QNH per +0.1	+37	0	+45	0	0
QNH per -0.1	-134	0	-135	0	0
HIGHXWIND	-2450	0	-2554	+1	0
ENG A/I	-417	0	-374	0	0
ENG+WNG A/I	-999	0	-1040	0	0

NA = No valid maximum weight found.

Data may be invalid after 28 days from: 20Apr23

Maximum allowed weight is the minimum of the corrected Runway/Obstacle Limit, corrected Climb Limit, and the Structural Limit of the aircraft.

Embraer Praetor 600

Engine: AS907-3-1E

AFM: APS550-ED-013.DAT;APS550-ED-013;22 NOV 2018;

Obstacle Criteria: FAA AC 120-91A

TAKEOFF PERFORMANCE**FLAPS 2**

KDLL
 BARADOO-WISCONSIN DELLS REGL
 BARABOO, WI
 Elevation: 979

Configuration:

- AUTOBRAKE: OFF

Runway	01	19	Line-Up
TORA (FT)	5010	5010	0
TODA (FT)	5010	5010	0
ASDA (FT)	5010	5010	0
SLOPE (%)	-0.19	0.19	

RUNWAY/OBSTACLE LIMIT						CLIMB
TEMP		LIMIT	LVL	LIMIT	LVL	LIMIT
(°C)	PWR	WT/CODE	OFF	WT/CODE	OFF	WEIGHT
-20	84.7	42857 ST	1370	42857 ST	1389	42858
-15	85.5	42857 ST	1370	42857 ST	1388	42858
-10	86.4	42857 ST	1370	42857 ST	1388	42858
-5	87.2	42828 -O	1370	42857 ST	1388	42858
0	88.0	42572 -O	1370	42857 ST	1388	42858
2	88.3	42470 -O	1370	42857 ST	1388	42858
4	88.7	42370 -O	1370	42857 ST	1388	42858
6	89.0	42269 -O	1370	42857 ST	1388	42858
8	89.3	42169 -O	1370	42857 ST	1388	42858
10	89.6	42068 -O	1370	42857 ST	1388	42858
12	90.0	41970 -O	1370	42857 ST	1388	42858
14	90.3	41873 -O	1370	42857 ST	1388	42858
16	90.6	41777 -O	1370	42857 ST	1388	42858
18	90.9	41681 -O	1370	42857 ST	1388	42858
20	91.2	41585 -O	1370	42857 ST	1388	42858
22	91.6	41494 -O	1370	42751 -O	1388	42858
24	91.9	41402 -O	1370	42638 -O	1388	42858
26	92.2	41216 -O	1371	42444 -O	1388	42858
28	92.4	40922 -O	1371	42176 -O	1388	42858
30	92.6	40632 -O	1371	41913 -O	1388	42858
32	92.3	40046 -O	1371	41351 -O	1388	42858
34	92.0	39470 -O	1371	40818 -O	1388	42858
36	91.6	38897 -O	1371	40290 -O	1388	42858
38	91.3	38326 -O	1371	39756 -O	1388	42858
40	90.9	37765 -O	1371	39234 -O	1388	42858
45	90.0	36376 -O	1371	37939 -O	1388	42858
48	89.6	35584 -O	1371	37176 -O	1387	42858

Corrections	LBS	FT	LBS	FT	LBS
HWD per KT	+141	0	+100	0	
TWD per KT	-487	0	-353	0	
QNH per +0.1	+34	0	+81	0	0
QNH per -0.1	-143	0	-145	0	-39
HIGHWIND	-1757	0	-2721	+2	0
ENG A/I	-462	0	0	+1	0
ENG+WNG A/I	-756	0	-7	+1	0

NA = No valid maximum weight found.

Data may be invalid after 28 days from: 20Apr23

Maximum allowed weight is the minimum of the corrected Runway/Obstacle Limit, corrected Climb Limit, and the Structural Limit of the aircraft.

Embraer Praetor 600

Engine: AS907-3-1E

AFM: APS550-ED-013.DAT;APS550-ED-013;22 NOV 2018;

Obstacle Criteria: FAA AC 120-91A

TAKEOFF PERFORMANCE**FLAPS 1**

UGN / KUGN

WAUKEGAN NATL

CHICAGO/WAUKEGAN, IL

Elevation: 727

Configuration:

- AUTOBRAKE: OFF

Runway	05	23	Line-Up
TORA (FT)	6001	6001	0
TODA (FT)	6001	6001	0
ASDA (FT)	6001	6001	0
SLOPE (%)	-0.03	0.03	

RUNWAY/OBSTACLE LIMIT						CLIMB
TEMP		LIMIT	LVL	LIMIT	LVL	LIMIT
(°C)	PWR	WT/CODE	OFF	WT/CODE	OFF	WEIGHT
-20	84.4	42857 ST	1125	42857 ST	1129	42858
-15	85.2	42857 ST	1125	42857 ST	1129	42858
-10	86.1	42857 ST	1125	42857 ST	1129	42858
-5	86.9	42857 ST	1125	42857 ST	1129	42858
0	87.7	42857 ST	1125	42857 ST	1129	42858
2	88.0	42857 ST	1125	42857 ST	1129	42858
4	88.3	42857 ST	1125	42857 ST	1129	42858
6	88.7	42857 ST	1125	42857 ST	1129	42858
8	89.0	42857 ST	1125	42857 ST	1129	42858
10	89.3	42857 ST	1125	42857 ST	1129	42858
12	89.6	42857 ST	1125	42857 ST	1129	42858
14	90.0	42857 ST	1125	42857 ST	1129	42858
16	90.3	42857 ST	1125	42857 ST	1129	42858
18	90.6	42857 ST	1125	42857 ST	1129	42858
20	90.9	42857 ST	1125	42857 ST	1129	42858
22	91.3	42857 ST	1125	42857 ST	1129	42858
24	91.6	42857 ST	1125	42857 ST	1129	42858
26	91.9	42857 ST	1125	42857 ST	1129	42858
28	92.1	42857 ST	1125	42857 ST	1129	42858
30	92.3	42857 ST	1125	42857 ST	1129	42858
32	92.1	42437 FL	1125	42375 FL	1129	42858
34	91.9	41969 FL	1125	41905 FL	1129	42858
36	91.7	41449 FL	1125	41388 FL	1129	42858
38	91.3	40906 FL	1125	40846 FL	1129	42858
40	91.0	40392 FL	1125	40334 FL	1129	42858
45	90.1	39089 FL	1125	38915 -O	1129	42858
48	89.6	38349 FL	1125	38079 -O	1129	42858

Corrections	LBS	FT	LBS	FT	LBS
HWD per KT	+93	0	+99	0	
TWD per KT	-285	0	-406	0	
QNH per +0.1	+106	0	+111	0	0
QNH per -0.1	-145	0	-147	0	0
HIGHXWIND	-2115	0	-2132	0	0
ENG A/I	0	0	0	0	0
ENG+WNG A/I	0	0	0	0	0

NA = No valid maximum weight found.

Data may be invalid after 28 days from: 23Apr23

Maximum allowed weight is the minimum of the corrected Runway/Obstacle Limit, corrected Climb Limit, and the Structural Limit of the aircraft.

Embraer Praetor 600

Engine: AS907-3-1E

AFM: APS550-ED-013.DAT;APS550-ED-013;22 NOV 2018;

Obstacle Criteria: FAA AC 120-91A

TAKEOFF PERFORMANCE

FLAPS 2

UGN / KUGN
 WAUKEGAN NATL
 CHICAGO/WAUKEGAN, IL
 Elevation: 727

Configuration:

- AUTOBRAKE: OFF

Runway	05	23	Line-Up
TORA (FT)	6001	6001	0
TODA (FT)	6001	6001	0
ASDA (FT)	6001	6001	0
SLOPE (%)	-0.03	0.03	

RUNWAY/OBSTACLE LIMIT						CLIMB
TEMP		LIMIT	LVL	LIMIT	LVL	LIMIT
(°C)	PWR	WT/CODE	OFF	WT/CODE	OFF	WEIGHT
-20	84.4	42857 ST	1125	42857 ST	1129	42858
-15	85.2	42857 ST	1125	42857 ST	1129	42858
-10	86.1	42857 ST	1125	42857 ST	1129	42858
-5	86.9	42857 ST	1125	42857 ST	1129	42858
0	87.7	42857 ST	1125	42857 ST	1129	42858
2	88.0	42857 ST	1125	42857 ST	1129	42858
4	88.3	42857 ST	1125	42857 ST	1129	42858
6	88.7	42857 ST	1125	42857 ST	1129	42858
8	89.0	42857 ST	1125	42857 ST	1129	42858
10	89.3	42857 ST	1125	42857 ST	1129	42858
12	89.6	42857 ST	1125	42857 ST	1129	42858
14	90.0	42857 ST	1125	42857 ST	1129	42858
16	90.3	42857 ST	1125	42857 ST	1129	42858
18	90.6	42857 ST	1125	42857 ST	1129	42858
20	90.9	42857 ST	1125	42857 ST	1129	42858
22	91.3	42857 ST	1125	42857 ST	1129	42858
24	91.6	42857 ST	1125	42857 ST	1129	42858
26	91.9	42857 ST	1125	42857 ST	1129	42858
28	92.1	42857 ST	1125	42857 ST	1129	42858
30	92.3	42857 ST	1125	42857 ST	1129	42858
32	92.1	42857 ST	1125	42857 ST	1129	42858
34	91.9	42857 ST	1125	42857 ST	1129	42858
36	91.7	42857 ST	1125	42857 ST	1129	42858
38	91.3	42857 ST	1125	42718 -O	1129	42858
40	91.0	42857 ST	1125	42082 -O	1129	42858
45	90.1	42644 FL	1125	40523 -O	1129	42858
48	89.6	41798 -O	1125	39623 -O	1129	42858

Corrections	LBS	FT	LBS	FT	LBS
HWD per KT	+100	0	+151	0	
TWD per KT	-428	0	-472	0	
QNH per +0.1	+21	0	+118	0	0
QNH per -0.1	-156	0	-157	0	-28
HIGHWIND	-2248	0	-1300	0	0
ENG A/I	0	0	0	0	0
ENG+WNG A/I	0	0	0	0	0

NA = No valid maximum weight found.

Data may be invalid after 28 days from: 23Apr23

Maximum allowed weight is the minimum of the corrected Runway/Obstacle Limit, corrected Climb Limit, and the Structural Limit of the aircraft.

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Adam Singer – Director of Operations
SC Aviation, Inc.
4120 S Discovery Dr.
Janesville, WI 53546

May 9, 2023

Baraboo-Dells Airport Commission
50 Wisconsin Dells Parkway South
Wisconsin Dells, WI 53965

Dear Airport Commission Members:

I am writing to offer our support for the extension of Runway 1/19 at Baraboo-Wisconsin Dells Regional Airport (DLL).

Our business consists of frequent transient operations at the DLL airport in support of a local aircraft owner. We anticipate our facility would generate 30 operations per year at DLL by aircraft including Hawker 850XP with an average stage length of 900NM. The Hawker 850XP is operationally limited based on the current length of the Runway 1/19 surface. We support the extension of the runway to 6,000 feet. Below is a brief summary of the operating limits of the Hawker 850XP.

- Aircraft Make/Model/Variant: HS125-850XP
- Anticipated Aircraft Takeoff Weight from DLL: 26,000lbs.
- Anticipated Aircraft Landing Weight at DLL: 20,000lbs.
- Minimum Aircraft Takeoff Length Requirements: 5,000 feet pending aircraft performance and runway conditions.
- Minimum Aircraft Landing Length Requirements: 4,500 dry, 5,000 wet

We support the increased capabilities of the runway at DLL in order to better serve not only our own operations, but those of the airport and the region as a whole. Please take our support into consideration for future planning at DLL. If any additional information is needed, please do not hesitate to contact me at 608-314-8286.

Respectfully,

A handwritten signature in black ink that reads "Adam Singer".

Adam Singer

AIRPORT USER SURVEY
BARABOO-WISCONSIN DELLS REGIONAL AIRPORT
AIRPORT MASTER PLAN

7. Do you currently make aircraft load concessions to operate at DLL? Yes No
 If yes, what concessions do you make? Unable to use airport due to aircraft performance for contaminated runway or hot weather when departing to far away destinations

8. Please indicate the basis of your runway length requirements:
 Pilot Operating Handbook Insurance Requirement
 Company Policy Other (Please Specify) aircraft runway analysis

9. Do you use the existing instrument approaches? Yes No
 If the approaches do not meet your needs, please explain: Restrictive approach minimums, especially to south runway

10. Are you in need of additional hangar space at DLL? Yes No
 If yes, what type of hangar do you prefer? T-Hangar "Box" Hangar Private Hangar Site

11. Please rate the airport facilities in with regards to your operations at DLL:

	<u>Inadequate</u>	<u>Marginal</u>	<u>Adequate</u>	<u>Not Applicable</u>
Runway 1/19 Length	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Turf Crosswind Runway Surface	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – T-Hangar Rental Unit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – Conventional Hangar Development Site	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Storage – Transient/Overnight	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aircraft Repair/Maintenance	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Self Service Fueling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Full Service Fueling/Line Services/Fueling Truck	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Ground Transportation (Shuttle, Taxi Service, Rental Cars, Courtesy Car)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pilot Shop	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Crew Rest Area	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Flight Training/Instruction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Aircraft Charter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Business Center/Meeting Facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Hangar Area Lighting	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

12. Please provide any additional comments or concerns about the DLL airport facilities or future needs:
Primary constraint is runway 1/19 length. We are unable to use this airport to support our aircraft owner's needs when the runway is contaminated or when the ambient temperature is above 30C. In those cases we are forced to operate out of MSN.

CONTACT INFORMATION (OPTIONAL)

Please provide the following information pertaining to the individual who completed this survey.

Name: Adam Singer

Company/Affiliation: SC Aviation, Inc.

Address: _____

Phone: _____

E-mail: adam.singer@scaviation.net

May we contact you with any specific questions about this user survey? Yes No

NOTE: If your company or related vendors/clients operate from DLL, we kindly request you forward this survey to these individuals.

The Baraboo-Dells Airport Commission thanks you for completing this Airport User Survey!
Please contact Scott Nugent, Airport Planner, at snugent@coffmanassociates.com with any questions.

***** Please Return by June 30, 2023 *****