

Associated City: Valley City  
 Airport Name: Barnes County Municipal

	Existing	Objectives - Local Airport	Recommended
<b>Airside Facilities</b>			
Primary Runway Length	4,202 Feet	3,300 Feet or Greater	
Primary Runway Width	75 Feet	60 Feet	
Taxiway Type	Connecting Taxiway	Connecting Taxiways	
Approach Type	Non-Precision w/Vertical Guidance	Non-Precision (GPS)	
Lighting	MIRL	MIRL	
Visual Aids	Rotating Beacon, Lighted Wind Indicator, Segmented Circle	Lighted Wind Indicator, Segmented Circle	
NAVAIDS	PAPI	VGSI (VASIs/PAPIs) if GPS IFR Procedures	
Weather	AWOS	ASOS or AWOS	
Perimeter Fencing	Full Perimeter Fencing	Partial Perimeter Fencing	
<b>Landside Facilities</b>			
Hangar Spaces	40 Spaces (95%)	75% of Based Aircraft	
Hangars for Transient Aircraft	No	Yes	Provide Hangars for Transient Aircraft
Terminal/Administration Bldg	1,800 Square Feet	500 Square Feet	
Aircraft Maintenance Facility	Based	Not an Objective	
<b>Landside Services</b>			
FBO Office	No	Yes	Construct an FBO Office
Agricultural Spraying	Based	Yes	
Aircraft Maintenance Staff	Based	On-Call	
Fuel	Jet A and 100LL (Credit Card)	100LL (Credit Card)	
Terminal/Pilot's Lounge	Phone, Restrooms and Flight Planning Room	Phone and Restrooms	
Ground Transportation Services	Courtesy Car	Yes	
Security	Controlled Access, Terminal Lighting, Ramp Lighting, Police Patrol	Terminal and Ramp Lighting, and Controlled Airfield Access	
Signage	Adequate Signage to Locate Airport from Access Road & Welcome Signage	Adequate Signage to Locate Airport from Access Road & Welcoming Signage	
Snow Removal Equipment	Yes	Yes	



North Dakota Aeronautics Commission  
[www.nd.gov/ndaero](http://www.nd.gov/ndaero)

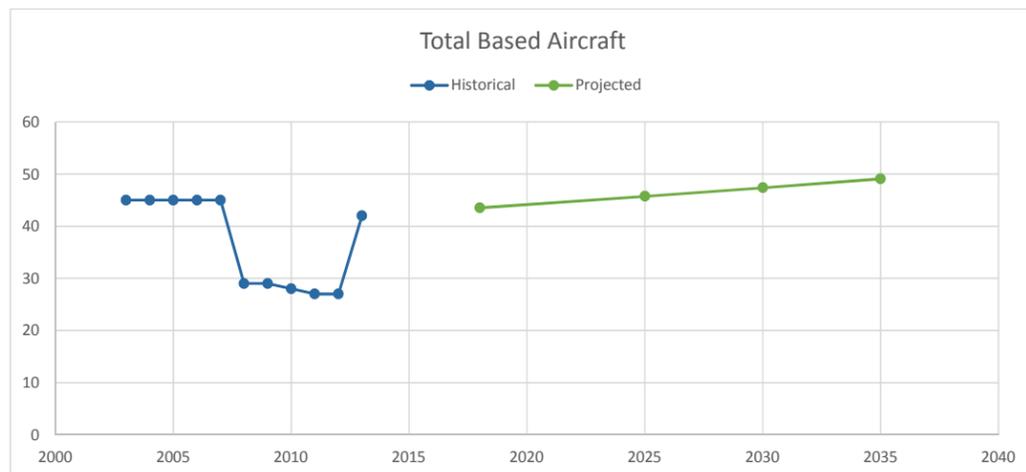
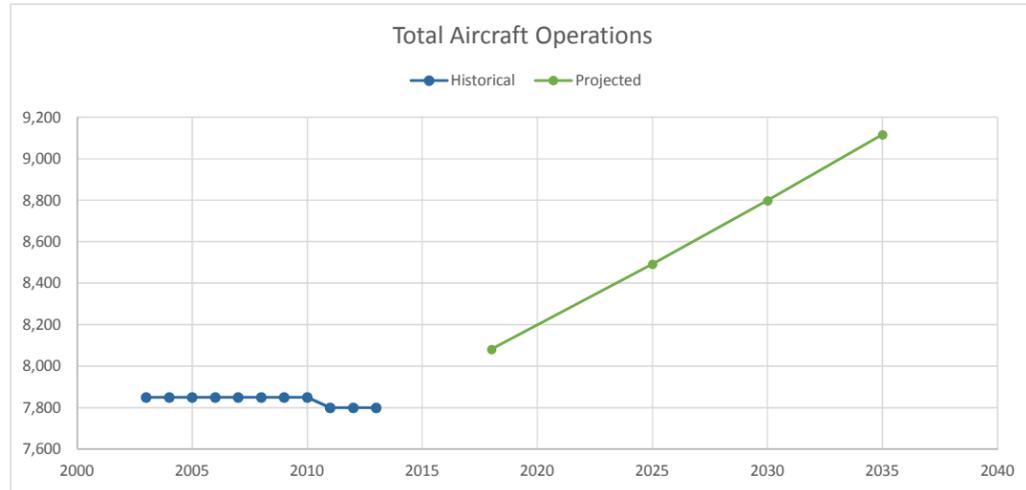
# 2014 NORTH DAKOTA STATE AVIATION SYSTEM PLAN

## BARNES COUNTY MUNICIPAL AIRPORT



**Associated City: Valley City**  
**Airport Name: Barnes County Municipal**

Summary of Aviation Projections							Growth Rate:	0.71%
Barnes County Municipal Airport (BAC)								
Year	Operations					Total Ops	Based Aircraft	
	Itinerant		Local					
	Air Taxi	GA	Military	GA	Military			
<b>Historical</b>								
2003	300	3,000	50	4,500	0	7,850	45	
2004	300	3,000	50	4,500	0	7,850	45	
2005	300	3,000	50	4,500	0	7,850	45	
2006	300	3,000	50	4,500	0	7,850	45	
2007	300	3,000	50	4,500	0	7,850	45	
2008	300	3,000	50	4,500	0	7,850	29	
2009	300	3,000	50	4,500	0	7,850	29	
2010	300	3,000	50	4,500	0	7,850	28	
2011	250	3,000	50	4,500	0	7,800	27	
2012	250	3,000	50	4,500	0	7,800	27	
2013	250	3,000	50	4,500	0	7,800	42	
<b>Projected</b>								
2018	259	3,108	52	4,662	0	8,081	44	
2025	272	3,266	54	4,900	0	8,492	46	
2030	282	3,384	56	5,076	0	8,799	47	
2035	292	3,506	58	5,259	0	9,116	49	



Source: 2014 North Dakota State Aviation System Plan

**Associated City: Valley City**  
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General Information		Based Aircraft	
Airport Sponsor	Barnes County	Single	40
NPIAS	Yes	Multi	2
NDSASP Classification	Local	Jets	0
Height Zoning	Yes	Helicopters	0
Airport Layout Plan (ALP)	Yes (2013 Reviewed)	Gliders	0
Master Plan (Date)	Yes (2013 Reviewed)	Military	0
Wildlife Mgmt Plan (Date)	Yes (2013 Reviewed)	Ultralight	0
Airport Reference Code (ARC)	B-II	<b>Total</b>	<b>42</b>

Primary Runway		13/31
Length	4,202	
Width	75	
Surface	CONC-E	
Pavement Condition Index (PCI)	98	
Runway Edge Lights	MIRL	
Parallel Taxiway	Connecting	
Parallel Taxiway Lighting	No	
<b>Runway Ends</b>	<b>13</b>	<b>31</b>
Visual Slope Indicator	1	1
Approach Lights	14	14
Rwy End Identifier Lights	Yes	Yes
Instrument Approach	LPV, GPS	LPV, GPS
Minimums	1652-1	1644-1

Secondary Runway		17/35
Length	3,626	
Width	100	
Surface	TURF-G	
Pavement Condition Index (PCI)	NA	
Runway Edge Lights	No	
Parallel Taxiway	No	
Parallel Taxiway Lighting	No	
<b>Runway Ends</b>	<b>17</b>	<b>35</b>
Visual Slope Indicator	19	19
Approach Lights	14	14
Rwy End Identifier Lights	No	No
Instrument Approach	No	No
Minimums	-	-

Note: Barnes County Municipal Airport has a fourth runway 05/23

Tertiary Runway		08/26
Length	2,701	
Width	100	
Surface	TURF-G	
Pavement Condition Index (PCI)	NA	
Runway Edge Lights	No	
Parallel Taxiway	Connecting	
Parallel Taxiway Lighting	No	
<b>Runway Ends</b>	<b>8</b>	<b>26</b>
Visual Slope Indicator	19	19
Approach Lights	14	14
Rwy End Identifier Lights	No	No
Instrument Approach	No	No
Minimums	-	-



**Legend:**

Surface Code:	ASPH = Asphalt	CONC = Concrete	TURF = Turf or Gravel	Condition
	1 = P2L PAPI 2 Left	2 = P2R PAPI 2 Right	3 = P4L PAPI 4 Left	E = Excellent G = Good F = Fair P = Poor
	4 = P4R PAPI Right	5 = PSIL PLASI Left	6 = PSIR PLASI Right	
	7 = S2L SAVASI 2 Left	8 = S2R SAVASI 2 Right	9 = V2R VASI 2 Right	
	10 = V2L VASI 2 Left	11 = V4R VASI 4 Right	12 = V4L VASI 4 Left	
	13 = V6R VASI 6 Right	14 = V6L VASI 4 Right	15 = V12 VASI 12 both sides of rwy	
	16 = V16 VASI 16 both sides of rwy	17 = NSTD (non-standard)	18 = PVI (priv. owned at pub. airport)	
	19 = None			
Visual Slope Indicator Code:	1 = ALSAF	2 = ALSF1	3 = ALSF2	4 = MALS
	7 = SSALS	8 = SSALF	9 = SSALR	10 = NEON
	13 = NSTD (non-standard)		14 = None	11 = ODALS
Runway Approach Light System Code:				12 = LDIN