



# Airport Association of North Dakota

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P.O. Box 2845, Fargo, North Dakota 58108-2845

March 11, 2021

**RE: Testimony to House Appropriations – Government Ops Sub-Division on SB 2006  
(Aeronautics Commission Budget)**

Chairman Vigesaa and members of the committee,

I am Matthew Remyse, the Past President of the Airport Association of North Dakota (AAND). I want to thank you for the opportunity to speak here today and thank you for your past support of aviation. AAND is the professional organization for North Dakota Airports and it serves to promote airports, aviation, and safety across the state. I'm here today on behalf of the association to express our support of the North Dakota Aeronautics Commission (NDAC) and SB 2006.

Truly, the NDAC and its staff are a great resource for airports managers and members of the aviation community in North Dakota. The NDAC manages a fantastic education program that is drawing young adults into aviation. The NDAC planners assists general aviation airport managers with developing their capital improvement plans and conducting safety inspections. Additionally, the studies that the NDAC undertakes are an extremely useful tools for airports. For instance, a Pavement Condition Index study is a federal requirement that each airport must complete to receive federal funding. The NDAC puts this study together for all airports. This a is large undertaking and Mr. Wanner and his staff do an amazing job managing the study and assuring that there is a useful end product for airports. Another great example, is the economic impact study that the NDAC manages. With this study, airport managers use the results of the study and the data to justify the impact their airport has on the community and region.

Additionally, the NDAC offers a valuable grant program to our airports. This program has allowed our airports to grow and develop so they remain a valuable asset for North Dakota's economy. According to the 2015 Statewide Economic Impact of Aviation study, North Dakota's 89 airports generate an economic impact of \$1.56 billion annually, employ 4,439 individuals and is utilized by every major industry in the state.

In 2019 and in the beginning part of 2020, airports from across the state were seeing growth at their facilities. In 2019, passenger boardings at our commercial airports increased 10% over 2018. In 2020, passenger boardings were up 12% in the first two months and the growth was predicted to continue. Unfortunately, in March 2020, COVID-19 was deemed to be a pandemic and the results of lockdowns, border closures and travel restrictions decimated the commercial airline industry and had large negative effects on general aviation, too. Through the pandemic, North Dakota aviation has fared well, even with the decline in activity. Aviation is truly a resilient industry and as the vaccine continues to be administered and restriction are lessened, travel and activity will return.

With growth and travel demand down because of the pandemic, it may seem like the time to hold back on development, but it's not. Now is the time to invest in our state's airports, so when demand returns, our airports are in the best position possible. The Federal Aviation Administration (FAA) has developed a 5- year capital improvement plan for the airports in North Dakota and the need for 2021-2026 is \$395 million. The projects factored into this amount include a large runway project in Grand Forks, terminal expansion in Fargo, drainage improvements in Bismarck, and runway rehabilitation projects at several general aviation airports. To fund these projects, NDAC staff works closely with FAA and airport staff. Federal funding normally covers 90% of eligible projects, but with such a high demand of large projects in the state and an inadequate level of federal funds available nationwide, the 90% level of funding is often not attained for projects. Moreover, the amount of federal funding available through the AIP has remained flat since 2001 while the cost of developing and constructing

airport projects throughout the country has continued to increase due to rising construction costs and inflation. These factors have increased the competition for federal funding and has made it more and more difficult for airports in North Dakota to receive federal funds. After factoring in projected revenues from the FAA, local governments, and the NDAC grant funding there is a \$160 million shortfall. With the lack of both state and federal funding, airports are making the difficult decision of passing on a project or going into debt to complete their project. Additional state funding for airport grants would assure that crucial projects are being completed on time and would reduce the amount of debt airports would have to take on. Also, when additional state funding is appropriated it typically generates more federal dollars.

Based on the funding needs for the airports across the state, we respectfully request that the committee support the budget as presented in this bill. Additionally, safety is a top priority for AAND and its members so we are supportive of the one-time special funding of \$5 million to reconstruct the UND apron. Replacing this aging ramp will remove cracks and spalling, the source of loose aggregate, to create a safe environment for flight training.

In conclusion, the NDAC provides an enormous amount of support to airports and the aviation community and are a vital piece to helping move infrastructure projects forward. I thank you for the opportunity to provide testimony to the committee.

Respectfully,



Matthew Remyse, A.A.E.  
Past President, AAND



Ryan Riesinger, C.M.  
President, AAND

Enclosures:

1. North Dakota Airport's Five Year Capital Needs
2. Federal Funding of North Dakota Airports

# NPIAS AIRPORT CAPITAL IMPROVEMENT PLAN REPORT - NORTH DAKOTA



	AIRPORT	Based Aircraft	PROJECT	NDAC Priority	FAA Priority	Project Costs (Thousands)				
						1 to 5 Yrs.	6 to 10 Yrs.			
1	Fargo FAR	203	Cargo Apron Expansion Phase IV	44	63	3500				
			Terminal Apron Reconstruction (D'21, Phase I C'22, Phase II C'23)	54	69	15000				
			Terminal Area Study	34	73	400				
			Replace Passenger Boarding Bridge	31	42	500				
			Pavement Maintenance (RTA, RCF, Seal)	56	81	1000	1000			
			Terminal Building Expan. (D'23, Phase I C'23, Phase II C'24)	31	42	37000				
			Glycol Pump Station (D'21, C'22)	31	60	2000				
			Rwy 9/27 Ext./Widening / Par. Twy EA, Design, Construct	46	51		65000			
			South GA Apron Rehabilitation	54	69	5000				
			SRE Acquisition	32	77	1000	2000			
			Construct Elevated Walkway	31	27	16000				
			North GA Taxiway Extension	45	61		1000			
			Perimeter Road Rehabilitation	31	48		2000			
			Twy D Reconstruction	55	76		3500			
2	Bismarck BIS	78	East GA Expansion	23	61		2000			
			Rehabilitate Runway 3-21 and Taxiway D	46	79		13000			
			Rehabilitate/Construct Parking Lot/Expansion	23	27		2000			
			GA Apron Expansion (Phase IV and V)	44	62	2000	2000			
			Purchase SRE Equipment	32	36	2300	800			
			Taxiway C North Rehab	45	74	10000				
			Rehabilitate Access Roads	23	27	1000	1600			
			Airfield Wetland Mitigation / Drainage Improvements (Phase VI - '21, VII - '22, VIII - '23)	31	41	16500	7000			
			Construct Terminal Building Expansion (D '25, C '25-'26)	31	40	500	54000			
			Expand Commercial Apron (Phase 1 D '23- C '24)	44	62	7000	7200			
			Purchase ARFF Equipment	32	36	750				
			Runway 13 RPZ Land Acquisition	41	44		2200			
			Pavement Maintenance (RTA, RCF, Seal)	56	79	1000	1000			
			Rehabilitate/Construct SRE Building Expansion	32	36	4200				
3	Grand Forks GFK	189	Rehabilitate/Construct ARFF Building Expansion	31	43	1500				
			Construct Service Road Expansion	23	27		3000			
			Install New Passenger Boarding Bridges	31	39		11000			
			ASR Improvements	32	48	1600				
			Deicing Fluid Collection System	32	42	600				
			Commercial and GA Ramp Panel Replacement	44	38	2000				
			Relocate Airway Avenue/Airport Road Intersection	23	27		300			
			Update Noise Contours	21	65		250			
			Construct Taxiway Extension	45	59	1000	500			
			Runway 9L-27R Extension - Land Acquisition, Wetland Mitigation	46	60	3900				
			Relocate Route 5	46	55	4600				
			Runway 9L-27R Extension - Reconstruct Runway Intersection	56	37	8600				
			Runway 9L-27R & TWY B Extension & Pavement Reconstruction	56	79	42600				
			Runway 17R/35L Reconstruction (C'25-'27)	56	79	26000	31000			
Construct Runway 18-36	46	74		10000						
Construct Access Road North of Terminal	41	39		1500						
Construct Terminal Apron	44	62		9000						
4	Minot MOT	120	Purchase ARFF Equipment	52	87		1000			
			Taxiway C Rehab	45	74		4000			
			Replace T-Hangars	12	24	3000	3000			
			Northwest GA Apron	44	62		2000			
			Storm Water Improvements (C '22 - C '23)	31	41	8100				
			Purchase SRE Equipment	32	75	1600	1000			
			Purchase ARFF Truck	52	36	1000				
			Taxiway B/G Rehab	45	74		3000			
			Replace/Upgrade Airfield Security Fence	31	83		5000			
			Reconstruct/Expand Cargo Apron (C '20-'21)	54	67	3500				
			Pavement Maintenance (RTA,RCF, Seal), Remarking	56	79	1000	1000			
			Runway 8/26 Rehab/Threshold Relocation; Taxiway B Intersection; Taxiway D Expansion	56	79	5400	4300			
			Construct GA Landside Access Road and Parking Lot	23	27	3500				
			RWY 8 Approach Clearing/Tree Removal	57	86					
5	Jamestown JMS	36	Rehabilitate Taxiways A, B & D (D'20 C'21)	45	74	2000				
			Rehabilitate Runway 13/31, Taxiway D-1, & Taxiway A (D'22 C'24)	46	79	2400				
			Reconstruct Terminal Apron Phase II	54	67	100	1500			
			Airfield Lighting Rehabilitation	56	79	2100				
			Pavement Maintenance (RTA,RCF, Seal), Remarking	56	79	600	1100			
			Acquire SRE	32	75		500			
			Replace Passenger Boarding Bridge	31	40		800			
			W. Industrial Park Infrastr. Improvements (C'25)	11	X		1500			
			Terminal Expansion	31	40		2000			
			Apron & Taxiway Concrete Section Rehabilitation	45	67		300			
			Construct T-Hangar	12	24		700			
			Purchase SRE Equipment	32	75	2200				
			6	Williston XWA	49	Purchase ARFF Equipment	52	36		1000
						Pavement Maintenance (RTA, RCF)	56	79	400	500
Construct Hangars	12	24				1000	2000			
Terminal Parking Expansion	23	27				2500				
Cargo Apron Construction	44	69				6100				
Ground Service Equipment Building	32	36				400				
Crosswind Parallel Taxiway	45	76					3000			
Deicing Fluid Collection Improvements	32	41					1400			
Construct Waste Water System	32	40					7000			

	AIRPORT	Based Aircraft	PROJECT	NDAC Priority	FAA Priority	Project Costs (Thousands)	
						1 to 5 Yrs.	6 to 10 Yrs.
			Terminal Area Planning Study, Environmental, & ALP Terminal Plan Update	34	71	100	
7	Deviils Lake DVL	13	Apron & Taxiway Reconstruction	55	67	1700	
			Apron Lighting & Security Cameras	44	67	300	
			Terminal Expansion	32	40	3000	
			Install Passenger Boarding Bridge	31	40	1000	
			Improvements to Terminal Road & Parking Lot	21	37	1000	
			Runway 13/31 Pavement Rehabilitation	46	79	2000	
			Runway 13/31 Lighting Rehabilitation & Generator	56	79		1000
			ALP/MP Update with Exhibit A/AGIS Component	37	71		500
			Construct SRE/ARFF Building	32	57		2500
			Rehabilitate Apron	44	67		500
			Rehabilitate Taxiway A	45	74		800
			Acquire SRE	32	75		1000
			Terminal Design and Construction	33	45		30000
8	Dickinson DIK	34	Reconstruct Runway 14/32	56	79	22000	
			Terminal Access and Parking Lot	31	40		5000
			Purchase SRE Equipment	32	75	1200	1000
			ARFF Truck / ARFF Building Expansion	32	67	750	2000
			Construct Commercial Service Apron	44	62		6000
			Construct Hangar Taxilanes	45	59		1000
			Crosswind Parallel Taxiway	45	76		3000
			SRE Building Expansion	32	45		2000
			Runway 15-33/Taxiway A Light System Conversion, Runway 7-25 Light System/Beacon	56	72	750	
			GA Apron and Taxiway A Reconstruction (D '24, C '25)	55	74	4700	
<b>Commercial Service Airports Totals:</b>						<b>304450</b>	<b>337750</b>
		BASIC	Install LED MIRLS, PAPIs, Beacon, Windcone and Electrical Vault (D '19, C '21)	56	77	700	
9	Ashley ASY	11	Pavement Maintenance (RTA, RCF, Seal)	56	77	150	200
			AGIS for IAP Development	37	67	150	
			Construct Terminal/SRE Building	32	39	500	
			Install AWOS	32	70		300
			Construct Apron Expansion	44	59		1000
			Construct Fuel System (100LL + Jet A)	22	24		400
		BASIC	ALP/MP Update with Exhibit A/AGIS Component	31	42		300
10	Beach 20U	10	Rehabilitate Hangar Taxilanes	45	63		600
			Construct New Turf Runway	46	59		1000
			Runway 12/30, Taxiway, Apron Pavement Rehabilitation (D '22, C '23)	46	77	1600	
			Pavement Maintenance (RTA, RCF, Seal)	56	77	200	400
			Construct Hangar	12	22	1000	
			Construct Fence and Signage	31	38		2000
			Construct Parallel Taxiway	45	48		1000
			Construct Apron Expansion	44	59		500
		LOCAL	Construct Jet-A Fuel System	22	17	300	
11	Bottineau D09	17	Pavement Maintenance (RTA, RCF, Seal)	56	79	200	200
			Construct Taxiway Expansion	45	64	300	300
			Realign and Construct Turf X-Wind Runway	45	46		500
			Runway 13/31, Taxiway, Apron Pavement Rehabilitation	46	79		2200
			Demo Hangar and Construct New T-Hangar	12	24		1000
			Construct Fence and Signage	31	38		2000
			Conduct Misc Study/Request IFR on Runway 13	31	42	200	
			ALP/MP Update with AGIS Component	31	42		
			Install AWOS	32	72	300	
			Transfer Out Entitlements (\$30,000)	X	X		
		LOCAL	Construct Partial Parallel Taxiway	45	48		3600
12	Bowman BWW	17	Construct Hangar (D '21, C '22)	12	24	1500	
			Construct Crosswind Runway	46	59		1500
			Construct Taxilane	45	59		1000
			Purchase SRE Equipment	32	45	500	
			Pavement Maintenance	56	79	200	200
			Transfer Out Entitlements (\$32,000)	X	X	200	200
		BASIC	Replace Runway 16/34 Lighting System (D '22, C '23)	56	77	450	
13	Cando 9D7	12	Pavement Maintenance (RTA, RCF, Seal)	56	77	100	300
			Construct Fuel System	22	24		400
			Wildlife Site Visit and Wildlife Hazard Management Plan (WHMP)	31	59		100
			Construct Wildlife Fence and Signage	31	34		1500
			Construct Partial Parallel Taxiway	45	75	1000	
			ALP/MP Update with AGIS	37	69		300
		LOCAL	Construct New Hangar	12	24		800
14	Carrington 46D	10	Pavement Maintenance (RTA, RCF, Seal)	56	79	100	500
			Runway 13/31 & Taxiway Rehabilitation (D '21, C '22)	46	79	1900	
			Wildlife Site Visit and Wildlife Hazard Management Plan (WHMP)	31	71		100
			Apron Pavement Seal Coat & Taxilane Reconstruction	54	67	500	
			Rehabilitate Airfield Lights	56	79		500
			Construct Fence and Signage	31	35		1000
		LOCAL	Construct Wildlife Fence	31	35		2000
15	Casselton 5N8	40	Pavement Maintenance (RTA, RCF, Seal)	56	79	600	500
			Runway 13/31 Relocation & Parallel Taxiway Construction	46	79	300	13000
			Environmental Assessment for Land Acquisition for Runway Relocation	46	70	250	
			Land Acquisition for Runway Relocation	36	60	1200	
		LOCAL	Construct Drainage Improvements	46	41		100
16	Cavalier 2C8	13	Pavement Maintenance (RTA, RCF, Seal)	56	79	200	200
			Relocate Powerline	47	40		50
			Runway Rehabilitation (D '26 C'27)	46	79		1000
			Purchase SRE Equipment	32	75	200	
			Wildlife Site Visit and Wildlife Hazard Management Plan (WHMP)	31	71		100
			Rehabilitate Airfield Lights (D '19, C '22)	56	79	800	
			Construct Fence and Signage	31	35		2000
			Construct Full Length Taxiway	45	76		800

	AIRPORT	Based Aircraft	PROJECT	NDAC Priority	FAA Priority	Project Costs (Thousands)	
						1 to 5 Yrs.	6 to 10 Yrs.
		BASIC	Land Acquisition Phase 2 - RPZ / Transitional Surfaces (18 Acres)	47	65	50	
17	Cooperstown S32	14	ALP/MP Update with AGIS Component	37	69	300	
			Pavement Maintenance (RTA, RCF, Seal)	56	77	100	300
			Runway 13/31, Taxiway and Apron Rehabilitation	46	77	150	1500
			Construct Apron Expansion	44	67		500
			Construct Crosswind Runway	26	79		1000
			Construct Wildlife Fence and Signage	31	34		1000
			Construct Parallel Taxiway	45	75		500
			Improve Access Road	31	35		300
			Transfer Out Entitlements (\$100,000)	X	X		
		BASIC	Snow Removal Equipment	32	42	300	
18	Crosby D50	11	Construct New SRE Building	32	48	500	
			Construct Runway Rehabilitation and New Windcone/Segmented Circle (D '21, C '22)	46	77	1200	
			Construct Hangar	12	22		700
			ALP/MP Update with AGIS	31	42		300
			Construct Jet A Fuel System	12	17		300
			Construct Partial Parallel Taxiway	45	38		500
			Pavement Maintenance (RTA, RCF, Seal)	56	77	200	400
		BASIC	Pavement Maintenance (RTA, RCF, Seal)	56	77	200	400
19	Dunseith - IPG S28	0	Environmental Assessment Runway 29	42	52	300	
			Land Acquisition - Runway 28 extension/RPZ	41	42	500	
			Runway, Taxiway, and Apron Reconstruction	56	66	2200	
			Construct Fence and Signage	31	38		2000
			Install MIRLS, PAPI and NPI Marking	56	45	600	
			Transfer out Entitlements (\$300,000)	X	X		
		BASIC	Construct SRE Building	32	48		500
20	Edgeley 51D	10	Construct Fence and Signage	31	34		1000
			Pavement Maintenance (RTA, RCF, Seal)	56	77	400	400
			Construct Runway Extension	46	71	1400	
			Wildlife Site Visit and Wildlife Hazard Management Plan (WHMP)	31	69		100
		BASIC	Improve Access Road	31	36		400
21	Ellendale 4E7	10	Pavement Maintenance (RTA, RCF, Seal)	56	77	300	300
			Purchase SRE Equipment	32	73	300	
			Wildlife Site Visit & Wildlife Hazard Management Plan (WHMP)	31	69		100
			ALP/MP Update with AGIS	37	69		300
			Construct Wildlife Fence and Signage	31	34		1000
			Pave Turf Taxilane	45	58		300
			Install AWOS	32	70		200
			Reconstruct Apron Taxilane	55	63	300	
		BASIC	Construct Terminal, PAPIs (D '20, C '21), Threshold Lights, TWY Reflectors, RSA Grading	56	88	600	
22	Fl. Yates Y27	0	Pavement Maintenance (RTA, RCF, Seal) and Relocate Fence for LPV Approach	56	84	260	300
			Construct Hangar	12	22		600
			Construct SRE Building	32	48		700
			Access Road Improvements	33	20		900
			Construct Fuel System	22	17	300	
			Rehabilitate Runway, Taxiway, Apron	46	77		2000
		BASIC	Construct GA Terminal Building	21	38	700	
23	Garrison D05	11	Pavement Maintenance (RTA, RCF, Seal)	56	77	300	300
			RPZ Land Acquisition	32	48	400	
			Purchase SRE Equipment	41	41		300
			Construct Fence and Signage	31	83	50	1000
			Update ALP/MP with AGIS and Exhibit A	31	38		300
			Construct Hangar	12	22		700
			Construct North Hangar Taxilane	45	58		500
			Runway 13-31 Rehabilitation	56	66		2100
		BASIC	Pavement Maintenance (RTA, RCF, Seal)	56	77	300	300
24	Glen Ullin D57	13	Runway, Taxiway, and Apron Rehabilitation (D '21, C '22)	46	77	1600	
			Wildlife Hazard Assessment (WHA) and Wildlife Hazard Management Plan (WHMP)	31	55		200
			Taxilane Extension	45	58	500	
			Construct Hangar	12	22		700
			Construct X-wind Rwy, EA, RPZ Land Acquisition	46	59		700
			Construct Partial Parallel Taxiway	45	52	100	700
		LOCAL	Pavement Maintenance (RTA, RCF, Seal)	56	79	200	200
25	Grafton GAF	14	Taxilane & Apron Reconstruction (D '23 C '24)	55	65	500	
			Construct Hangar	12	24		600
			Drainage Improvements (Phase 1 '21, Phase 2 '22) & Wetland Mitigation	56	41	1600	
			Construct New SRE Building	32	50		400
			Wildlife Site Visit and Wildlife Hazard Management Plan (WHMP)	31	71		150
			Replace Airport Beacon	47	78	60	
			Runway 17/35 Rehabilitation	46	79		1600
			Remove Old Storage Building	12	45	200	
			Construct Fence and Signage	31	35		1000
		BASIC	Replace RWY 16/34 REILs & Repaint Airfield Markings	56	77	200	
26	Gwinner GWR	11	Reconstruct Taxilane & Access Road Improvements (D '22, C '23)	55	63	700	
			Update ALP/MP with AGIS and Exhibit A	37	69		300
			Purchase SRE Equipment	32	73		400
			Construct SRE Building	32	48		800
			Lighting Improvements	56	77	100	300
			Land Acquisition - Wildlife Fence	32	58		300
			Wildlife Site Visit and Wildlife Hazard Management Plan (WHMP)	31	69		100
			Construct Fence and Signage	31	34		1000
			Pavement Maintenance (RTA, RCF, Seal)	56	77	200	300
		BASIC	RPZ Land Acquisition and EA	41	42		800
27	Harvey 5H4	13	Rwy 11/29, Taxiway, Apron Rehabilitation (D '25, C '26)	46	77	200	2000
			New Crosswind Runway	46	59		800
			Update ALP/MP with AGIS and Exhibit A	31	69		300
			Parallel Taxiway	45	64		1000
			Apron Expansion	44	59		300
			Pavement Maintenance (RTA, RCF, Seal)	56	77	200	200
			Construct Hangar	12	22		700
			AGIS Survey (LPV Approach, Both Ends)	42	52	200	
			Wildlife Fence and Signage	31	38		1000
			Replace Runway 11/29 PAPIs	56	46	100	

	AIRPORT	Based Aircraft	PROJECT	NDAC Priority	FAA Priority	Project Costs (Thousands)	
						1 to 5 Yrs.	6 to 10 Yrs.
		BASIC	Pavement Maintenance (RTA, RCF, Seal)	56	77		200
28	Hazen	16	Rehabilitate Runway (D '19, C '21)	46	77	3000	200
	HZE		Rehabilitate Taxiway and Apron (D '22, C '23)	45	72		
			Wildlife Hazard Site Visit / Signage / Fence	31	62		1000
			Construct Hangar	12	22		700
			ALP/MP Update with AGIS and Exhibit A	31	62		300
			Construct Crosswind Runway	46	49		500
			Construct Partial Parallel Taxiway & MITL	46	46		1600
			Replace MIRLS, PAPIs, Airfield Lighting Controls, & Construct New Vault (D '23, C '24)	56	77	600	
			North Hangar Taxilane Construction	45	58		600
		LOCAL	Rehabilitate Taxiway C and South Hangar Taxilane (D '22, C '23)	45	74	600	
29	Hettinger	20	Rehabilitate Taxiway B	45	74		400
	HEI		Apron Rehabilitation	44	67		900
			Wildlife Hazard Site Visit / Signage / Fence	31	62		1000
			Pavement Maintenance (RTA, RCF, Seal)	56	79	200	300
			ALP/Master Plan Update	31	55	300	
			Construct Hangar	12	24	700	
			Construct Hangar Taxilane	45	59		400
		LOCAL	Environmental Assessment for Runway Extension Land Acquisition	46	70	300	
30	Hillsboro	22	Purchase SRE Equipment	32	75	150	
	3H4		Land Acquisition for Runway Extension	36	60		200
			Construct Runway Extension	46	73		7000
			Apron Reconstruction (D'22, C'23)	54	67	3000	
			Reconstruct Access Road	31	46		200
			Construct Wildlife Fence and Signage	31	35		1000
			ALP/Master Plan Update	37	71		300
			Pavement Maintenance (RTA, RCF, Seal)	56	79	200	300
		LOCAL	East Apron Construction	44	62		1200
31	Kenmare	31	Construct Partial Parallel Taxiway and Hangar Taxilane (D '22, C '23)	46	76	1000	
	7K5		Relocate Fuel System	22	17		200
			Construct Access Road Extension and Parking Lot Expansion	33	20	300	
			Construct Runway 16/35 and Parallel Taxiway	46	42		6000
			Pavement Maintenance (RTA, RCF, Seal) and Partial Parallel Taxiway and Taxilane Env.	56	79	300	300
			Construct Terminal Building	21	35		500
		LOCAL	Airfield Lighting Rehabilitation	56	79		600
32	Kindred	26	EA, Land Acquisition, and Wetland Mitigation for Runway Extension	46	70		1000
	K74		Replace Concrete Runway Panels	56	79	200	
			Construct Runway 11/29 Extension and Parallel Taxiway	46	73		7000
			Wildlife Site Visit and Wildlife Hazard Management Plan (WHMP)	31	71		100
			Construct Terminal Building	12	41	500	
			Relocate Road for Runway Extension	47	37		500
			Construct Fence and Signage	31	35		1000
			Pavement Maintenance (RTA, RCF, Seal)	56	79	200	200
33	Lakota	7	Rehab of Rwy 15/33, Apron, and Taxiway (D '21, C '22)	46	77	1800	
	5L0		Pavement Maintenance (RTA, RCF, Seal)	56	77	100	300
			Wildlife Site Visit and Wildlife Hazard Management Plan (WHMP)	31	69		200
			Construct Wildlife Fence and Signage	31	34		1000
			Construct Taxilane	45	58		500
			Construct Parking Lot	23	23		200
			Transfer Out Entitlements (\$131,000)	X	X		
		NC	Pavement Maintenance (RTA, RCF, Seal)	56	72	100	200
34	LaMoure	4	Replace Runway 16/34 Lighting System	56	72	500	
	4F9		Reconstruct Taxiway	55	68	400	
			Reconstruct Apron	54	60	400	
			Land Acquisition / RPZ	47	60		1000
			Wetland Mitigation	37	38		500
			Wildlife Site Visit and Wildlife Hazard Management Plan (WHMP)	31	64		100
			Construct Terminal Building	21	35	400	
			Construct Hangar	12	17		700
			Construct Fuel System	22	20		300
		LOCAL	Rehabilitate Terminal Building	21	40		200
35	Langdon	19	Construct AWOS Access Road	31	39		300
	D55		Expand Apron & Reconstruct Taxilane (D '21, C '23)	55	61	700	
			Pavement Maintenance (RTA, RCF, Seal)	56	79	200	400
			Construct Parallel Taxiway	45	69		1000
			Construct Hangar	12	24	700	
			Crosswind Runway Turf Rehabilitation	56	79		600
			Wildlife Site Visit and Wildlife Hazard Management Plan (WHMP)	31	71		150
		LOCAL	Pavement Maintenance (RTA, RCF, Seal)	56	79	200	200
36	Linton	20	Taxiway, Apron and Access Road Rehabilitation (D '22, C '23)	45	74	1100	
	7L2		Runway 9/27 Extension	46	51		1200
			ALP/MP Update with AGIS Component	31	42		300
			Construct Parallel Taxiway	46	76		1500
			Construct Hangar	12	24		700
			Construct SRE Building	32	48	500	
		BASIC	Construct Fence and Signage	31	34		500
37	Lisbon	12	Construct Turf Partial Parallel Taxiway (D'21, C'22)	45	67	600	
	6L3		Runway 14/32 and Taxiway Rehabilitation	46	77	200	1500
			Install AWOS	32	70		300
			Rwy 14/32 Lighting Rehabilitation	56	77		500
			Construct Apron Expansion	45	59		1000
			Pave Partial Parallel Taxiway	45	67		1000
			Construct Connector Taxiway to Correct Direct Access Issue	45	72		500
			Pavement Maintenance (RTA, RCF, Seal)	56	77	200	400

	AIRPORT	Based Aircraft	PROJECT	NDAC Priority	FAA Priority	Project Costs (Thousands)	
						1 to 5 Yrs.	6 to 10 Yrs.
		LOCAL	Wetland Mitigation/ Drainage (D '19, C '22)	31	41	900	
38	Mandan	83	Construct Parking Lot	23	27	200	
	Y19		Construct South Development Taxilane	45	59	1800	
			Pavement Maintenance (RTA, RCF, Seal)	56	79	300	300
			Construct Runway Expansion (EA '23)	46	48	500	5000
			ALP/MP Update with AGIS Component	31	42		300
			Construct Corporate Apron and Taxilanes	43	62		3000
			Construct Terminal Building Expansion	21	29	200	
			Relocate County Road and Powerlines	46	48		2500
			Construct Hangar	12	24	1000	2000
			SRE Building Expansion	32	48	300	
			Purchase SRE Equipment	32	36	300	300
			Realign Parallel Taxiway	46	76		2200
			Install Fuel System	22	17	300	500
			Apron Expansion	44	61	1100	600
		LOCAL	Purchase SRE Equipment	32	75	300	
39	Mohall	33	Pavement Maintenance (RTA, RCF, Seal)	56	79	200	300
	HBC		Wildlife Hazard Assessment (WHA) and Wildlife Hazard Management Plan (WHMP)	31	55	150	
			Construct Wildlife Fence and Signage	31	29	1600	
			Construct Parallel Taxiway	46	76		1000
			Construct Hangar Taxilane	45	59		600
			Install AWOS	32	42	300	
		BASIC	Construct Hangar	12	22		600
40	Mott	10	Pavement Maintenance (RTA, RCF, Seal)	56	77	300	300
	3P3		Construct Partial Parallel Taxiway	46	75		800
			Construct Fence and Signage / Conduct Wildlife Hazard Assessment (WHA)	31	64		800
			Construct Hangar Taxilane (D and C '23)	45	58	350	
			Install AWOS	32	42		300
			Construct Runway Threshold Lighting, Add Non-Precision Runway Markings, Purchase SRE	56	73	250	
			Access and Parking Lot Improvements	33	20		300
			Apron Expansion	44	59		200
			Construct Runway Extension	46	56		2000
		LOCAL	Land Acquisition for Apron Expansion	34	60	200	
41	Northwood	19	Construct Taxilane and Apron Expansion (D '22, C '23)	45	60	600	
	4V4		Pavement Maintenance (RTA, RCF, Seal)	56	79	300	300
			Construct Fuel System	22	26		500
			Construct Terminal Building	21	39		700
			Construct New Runway 14/32	46	74		5200
			Environmental and Land Acquisition for Runway Development	46	70		800
			Construct Hangar	12	24		800
			Transfer Out Entitlements (\$75,000)	X	X		
		LOCAL	Taxiway Overlay & Airfield Seal Coat (D' 20, C '21)	45	74	500	
42	Oakes	11	Wildlife Site Visit and Wildlife Hazard Management Plan (WHMP)	31	71		100
	2D5		Construct Wildlife Fence and Signage	31	35		1000
			Construct Parallel Taxiway	45	69		1200
			Pavement Maintenance (RTA, RCF, Seal)	56	79	200	400
			Acquire SRE	32	75	400	
			ALP/MP Update with AGIS Component	37	71		300
		BASIC	Obstruction Removal and Mitigation	57	88	300	
43	Park River	10	Install AWOS	32	70		300
	Y37		Wildlife Site Visit and Wildlife Hazard Management Plan (WHMP)	31	69		150
			Construct Wildlife Fence and Signage	31	38		1000
			Pavement Maintenance (RTA, RCF, Seal)	56	79	200	200
			Runway 5/31, Apron, Taxiway Rehabilitation	46	79		1000
			Runway Extension Field Studies ('22), EA ('23), & Land Acquisition ('24)	46	68	600	
			Construct Runway Extension	46	71		1000
		BASIC	Construct Runway Extension	46	51		1400
44	Parshall	8	Install AWOS	32	42		300
	Y74		Construct Apron Expansion and Access Road	44	59		400
			Construct Fence and Signage	31	38		1000
			Wildlife Hazard Assessment (WHA) and Wildlife Hazard Management Plan (WHMP)	31	55		150
			Upgrade Jet Fuel System	22	17	300	
			Upgrade Runway Lighting (MIRL)	56	77	400	
			Reconstruct Taxiway, Apron, and Taxilane (EA '23, D '24, C '25)	55	72	800	
			Pavement Maintenance (RTA, RCF, Seal)	56	77	300	300
		BASIC	Flight Check, Replace Windsock, Install Drainage Control Gate	56	40	150	
45	Pembina	9	Install Fuel System	22	24	500	
	PMB	▼	Runway and Taxiway Rehabilitation	46	77		1400
			Pavement Maintenance (RTA, RCF, Seal)	56	77	400	200
			Wildlife Site Visit and Wildlife Hazard Management Plan (WHMP)	31	69		200
			Acquire SRE	32	73		400
			Construct Hangar	12	22	100	600
			Construct Wildlife Fence and Signage	31	34		1000
		BASIC	Airfield Electrical Rehabilitation	56	77	400	
46	Rolla	12	Pavement Maintenance (RTA, RCF, Seal)	56	77	300	300
	06D		ALP Update / AGIS and Exhibit A	32	55		300
			Land Acquisition (RPZ)	41	44		400
			Wildlife Hazard Assessment (WHA) and Wildlife Hazard Management Plan (WHMP)	31	55		150
			Construct Fence and Signage	31	64		1000
		BASIC	Construct Hangar	12	22		700
47	Rugby	10	Pavement Maintenance (RTA, RCF, Seal)	56	77	300	300
	RUG		Construct SRE Building	32	48	700	
			Runway 12-30, Taxiway and Taxilane Rehabilitation (D '25, C '26)	46	77	100	1200
			ALP Update / AGIS and Exhibit A	32	55	300	
			Wildlife Hazard Assessment (WHA) and Wildlife Hazard Management Plan (WHMP)	31	55		150
			Construct Terminal Building	21	29		750
			Construct Fence and Signage	31	38		1000
			Transfer Out Entitlements (\$163,000)	X	X		



	AIRPORT	Based Aircraft	PROJECT	NDAC Priority	FAA Priority	Project Costs (Thousands)	
						1 to 5 Yrs.	6 to 10 Yrs.
		LOCAL	Pavement Maintenance (RTA, RCF, Seal)	56	79	300	300
48	Stanley	28	Construct Jet Fuel System	22	17	400	
	08D		Construct Runway Extension (EA '26)	46	71	100	3000
			Construct Road and Parking Improvements	12	27	800	
			Construct SRE Building	32	50	400	
			Construct Hangar	12	24	750	
			Construct PAPIs Runway 09 (D '21, C '22)	37	46	250	
			Wildlife Hazard Assessment (WHA) and Wildlife Hazard Management Plan (WHMP)	31	55		150
			Construct Fence and Signage	31	38		1000
		LOCAL	Reconstruct East Hangar Taxilanes and Rehabilitate East Apron (Reimbursement)	45	67	150	
49	Tioga	22	Pavement Maintenance (RTA, RCF, Seal)	56	79	200	300
	D60		Purchase SRE Equipment	32	75	300	
			Wildlife Hazard Assessment (WHA) and Wildlife Hazard Management Plan (WHMP)	45	62		100
			Construct Fence and Signage	31	64		2000
			Runway 12-30 Rehabilitation	46	79		2200
			Rehabilitate West Taxilanes	45	65	100	1500
			Construct MITL System For Taxiway/Apron (D '21, C '22)	45	78	400	
			Construct Full Length Parallel Taxiway	45	76		2000
		LOCAL	Construct Electrical Vault	52	70		200
50	Valley City	33	Acquire SRE Snowblower attachment	32	75	250	
	BAC		Runway 13/31 Rehabilitation (D'22, C'23)	46	79	400	
			Apron Reconstruction	54	67	1100	
			EA and Land Acquisition for Turf Runway 5/23 Relocation	46	70	700	
			Turf Runway 5/23 Relocation Construction	46	79		1200
			ALP/MP Update with AGIS Component	37	71		300
			Pavement Maintenance (RTA, RCF, Seal)	56	79	200	200
		LOCAL	Construct Hangar	12	24		1000
51	Wahpeton	42	Apron Rehabilitation (D'20, C'21)	44	67	2500	
	BWP		Land Acquisition (Rwy 33 End-House)	46	67		300
			Wildlife Fence and Signage	31	35		1000
			South Taxilane/Apron Reconstruction	45	67		1000
			Pavement Maintenance (RTA, RCF, Seal)	56	79	200	200
		BASIC	Construct Hangar	12	22	600	
52	Walhalla	8	Rehabilitate Airfield Lighting	56	77	500	
	96D		ALP/MP Update with AGIS Component	37	69		300
			Pavement Maintenance (RTA, RCF, Seal)	56	77	100	100
			Wildlife Site Visit and Wildlife Hazard Management Plan (WHMP)	31	69		100
			Airfield Pavement Rehabilitation	46	77		600
			Construct Wildlife Fence and Signage	31	34		1000
		BASIC	Replace Airport Lighting System	56	77	100	600
53	Washburn	11	Pavement Maintenance (RTA, RCF)	56	77	200	300
	5C8		Construct Hangar Taxilane and Non-Precision Runway Markings (D '21, C '22)	45	58	500	500
			Construct Fence and Signage	31	64		1000
			Construct Access Road	33	20	300	
			Obstruction Lights for GPS Approach Development	57	84	90	
			Construct Hangar	12	22	700	700
		LOCAL	Apron Expansion and Hangar Taxilane	44	61		1700
54	Watford City	37	Purchase SRE	32	75	200	
	S25		Construct SRE Building	32	50	200	
			Construct Fence and Signage	31	64	200	3000
			Parking Lot Expansion and Terminal Area Drainage Improvements (C '24)	52	41	200	
			Pavement Maintenance (RTA, RCF, Seal)	56	79	300	300
			Construct Hangar	12	24	700	700
55	State PCI		Statewide PCI Study Update		68	1200	1200
56	State Aviation Impact		Statewide State Aviation Impact Update		68	600	
57	State System Plan		State Aviation System Plan Update		68	600	
	<b>Total Based Aircraft</b>	<b>1441</b>				<b>90,510</b>	<b>221,350</b>
						<b>304,450</b>	<b>337,750</b>
						<b>394,960</b>	<b>559,100</b>

**Airports Not Included within Analysis:**

**Non NPIAS Paved (18):**

- 55 Beulah
- 56 Drayton
- 57 Enderlin
- 58 Killdeer
- 59 Larimore
- 60 Leeds
- 61 Maddock
- 62 Mayville
- 63 Minto
- 64 Napoleon
- 65 New Rockford
- 66 New Town
- 67 Page
- 68 Rolette
- 69 St. Thomas
- 70 West Fargo
- 71 Westhope
- 72 Wishek

**Non NPIAS Turf (170):**

- 73 Arthur
- 74 Bowbells
- 75 Columbus
- 76 Elgin
- 77 Fessenden
- 78 Gackle
- 79 Hazleton
- 80 Kulm
- 81 Lidgerwood
- 82 McClusky
- 83 McVie
- 84 Milnor
- 85 Plaza
- 86 Richardton
- 87 Riverdale
- 88 Towner
- 89 Turtle Lake

## Federal Funding of North Dakota's Airports

As we work to maintain our airport infrastructure, federal funding has and will continue to be a key part of solving the infrastructure funding challenges that our state is currently facing. Federal funding for airports is complex and it is very important to understand a few key points:

- Federal funding for airport projects is not guaranteed as airports compete nationally for this funding.
- 54 out of 89 of the public airports in North Dakota are eligible to receive federal funding. The other 35 airports rely solely on state and local funds for infrastructure projects.
- Of those 54 airports that qualify to receive federal funds - not all of their projects are eligible to receive federal funding as each project must meet certain criteria.
- There have been many cases where federal grants have been provided at less than the maximum allowed 90% federal funding level due to inadequate levels of federal funding availability.

First and foremost - to be eligible for federal funding, an airport must be in the National Plan of Integrated Airport Systems (NPIAS). By being classified within the NPIAS, an airport has been deemed to be a benefit to the national airspace system. Gaining this status requires strong justification and can take several years to obtain if an airport meets certain criteria that is based on airport location and aircraft activity levels.

The Federal Airport Improvement Program (AIP), is the national grant program administered by the Federal Aviation Administration (FAA) for airport capital projects. Funding for this program has remained flat at \$3.3 billion annually since 2001 however, the cost of developing and constructing airport projects throughout the country has continued to increase due to rising passenger levels, rising construction costs, and inflation. These factors have increased the competition for federal funding and has made it more and more difficult for airports to receive federal funds. The Airports Council International-North America report for 2017-2021 estimates that a total of \$15 billion funding shortfall per year exists for public airport projects within the United States.

As mentioned above, federal grants received through the AIP can be used to fund up to 90% of eligible capital improvement projects, however due to the high cost of certain projects and an inadequate level of federal funds available nationwide, this funding level is not realized for many projects. A recent example of this can be found by analyzing the primary runway reconstruction project at the Bismarck Airport. Over a three-year time period, the Bismarck runway reconstruction project has been under construction, and the federal government has provided approximately 70% funding for the \$63 million-dollar project which has left approximately \$19 million in remaining costs for the state or local governments to pick up in order to complete the project.

Our airport leaders along with the staff at the North Dakota Aeronautics Commission work closely with upper level FAA personnel to ensure that they are aware of the state's capital improvement needs. The state has recently seen historic success in leveraging federal funding into the state due to multiple factors that include:

- Identifying good justifiable projects that receive high national priority consideration
- Working towards shovel ready airport projects that are prepared to receive federal grants during the federal fiscal year window. State and local fund availability helps to ensure that the airport can also quickly navigate the planning, environmental, and design phases that are required to be ready for a federal grant request.
- Lastly, ensuring the availability of adequate amounts of state and local funding so that federal funds can be accepted with the cost sharing requirements.

In conclusion, it is very important to understand that the federal government doesn't provide every airport project with a 90% grant. State funding availability is also critical to ensure that our airports are being properly maintained while at the same time able to grow and accommodate our growing communities.