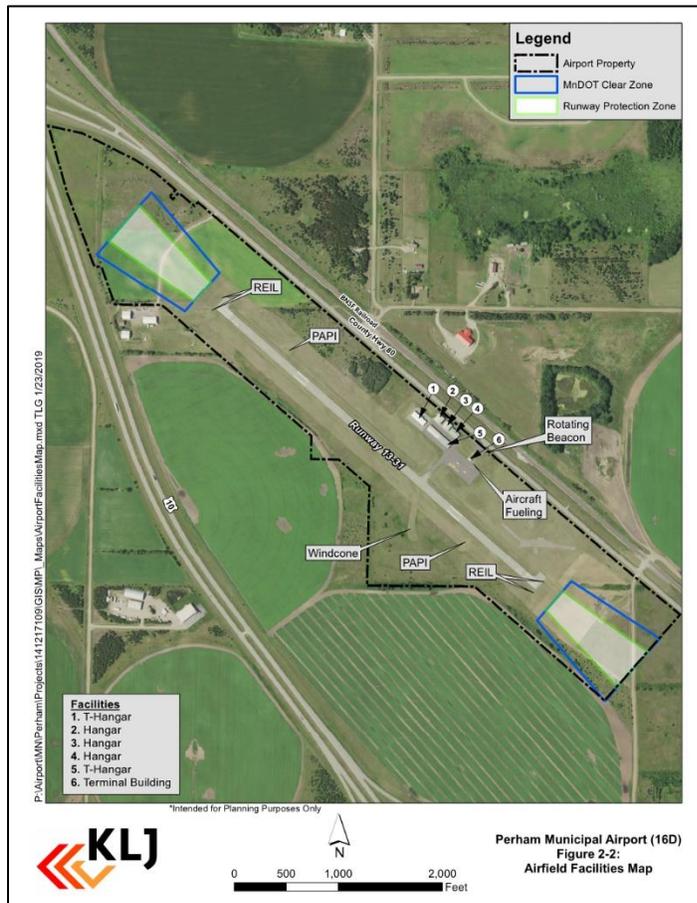


## The Perham Airport Master Plan

The City of Perham began the Airport Master Plan for the Perham Municipal Airport in 2018 and is seeking community input on the findings to date. The Airport Master Plan serves as a guide for future development to accommodate existing and future aviation demands through the next 20 years. An effective plan will be flexible to meet demand and feasible by being cost-effective.



Airports are encouraged to periodically update their airport planning as conditions change. Prior to this planning process, the most recent Airport Layout Plan (ALP) was completed in 1981 which proposed constructing a paved runway and relocating the building area midfield between the new runway and the county highway. The work from that ALP was completed in 1992 and is what exists today. This Airport Master Plan is broader than just a set of ALP drawings and this is the first study of its kind for the airport.



## Who was Involved?

The City of Perham worked together with various project stakeholders including city staff, airport advisory board, community businesses, airport users/tenants, and MnDOT Office of Aeronautics throughout the planning process. This collaboration helped the city consider input from multiple viewpoints as well as build consensus which helps to garner support when it comes to implementing projects.

## Initial Findings

Aviation activity at Perham is expected to see modest growth through the 20-year planning period. The primary needs identified during the study include the evaluation of a longer runway, installing a weather observation system, meet aircraft maneuvering standards, accommodate additional aircraft storage, provide developable space for larger hangars, and assess whether the airport could be eligible for federal funding for improvements.

## Federal Funding for the Airport

One of the initial planning considerations was to evaluate the entry into the National Plan of Integrated Airport Systems (NPIAS) which allows an airport to be eligible to receive federal funding for improvements. This however was dismissed early on due to the Perham Airport not meeting entry criteria (close proximity to other NPIAS airports) and the additional obligations required when accepting federal funds. The Perham Airport continues to be eligible for state funding.

## The Improvements

The following items were recommended for the airfield to improve accessibility and efficiency.

- Automated weather observation system (AWOS) on the airfield to provide aircraft with current weather conditions.
- A second taxiway connecting the apron to the runway so inbound aircraft can exit the runway when aircraft are waiting to depart. This second access point also allows for maintenance to be conducted on one taxiway while the other might be under repair.
- No Runway Extension. While a runway extension to 4,300' was evaluated, this was dismissed in favor of maintaining the existing length of 4,100' due to potential impacts on surrounding development.
- Airport Obstructions. Survey findings indicated some objects and terrain that will be dealt with in upcoming projects.





	Building Maintenance	Paint buildings	Routine maintenance of existing facilities	\$20,000	\$15,000	\$5,000
	Expand Apron Pavement	Expand apron pavement (4,500 SY)	Accommodate ADG-II aircraft, additional tie-downs	\$915,000	\$869,250	\$45,750
	Reconstruct Apron Pavement	Reconstruct existing apron pavement (6,900 SY)	Sequenced with expansion of main apron	\$1,440,000	\$1,368,000	\$72,000
	Construct Taxiway	Construct taxiway for secondary runway access	Remove conflict on single access taxiway	\$180,000	\$171,000	\$9,000
	Construct Terminal/SRE Building	Construct new terminal/SRE combined facility	Existing facility reaches end of useful life	\$475,000	\$451,250	\$23,750
	Site Development	Site work for future FBO facility	Terminal/SRE Facility	\$100,000	\$95,000	\$5,000
	Construct T-Hangar	Construct 6-Unit T-Hangar, hangar site, and pavement access	Demand for small aircraft storage	\$800,000	\$0	\$800,000
	Construct Taxilanes	Extend north taxilane 150' in small hangar area	Demand for small aircraft storage	\$100,000	\$95,000	\$5,000
	Construct Taxilanes	Extend south taxilane 150' in small hangar area	Demand for small aircraft storage	\$100,000	\$95,000	\$5,000
<b>Sub-Total</b>				<b>\$4,645,000</b>	<b>\$3,573,000</b>	<b>\$1,072,000</b>
<b>Long-Term (2030-2040)</b>						
	Rehabilitate Pavement	Runway 13-31 mill and overlay	Routine improvements to maintain structural integrity	\$400,000	\$380,000	\$20,000
	Construct Taxilane	Construct 35' wide taxilane for large hangar area	Demand for large aircraft storage	\$580,000	\$551,000	\$29,000
	Construct Vehicle Pavement	Reconstruct parking lot, construct vehicle access for large hangar area	Demand for large aircraft storage	\$470,000	\$446,500	\$23,500
	Acquire Equipment	Acquire SRE - loader and snowblower	Existing equipment reaches end of useful life	\$350,000	\$315,000	\$35,000
	Acquire Equipment	Acquire pickup truck	Existing equipment reaches end of useful life	\$30,000	\$27,000	\$3,000
	Rehabilitate Pavement	Crack seal apron and taxiway	Routine improvements to maintain structural integrity	\$50,000	\$37,500	\$12,500
	Remove Taxiway	Removal of existing taxiway	Pavement reaches end of useful life	\$75,000	\$71,250	\$3,750
	Construct Taxiway	Construct realigned taxiway	Existing pavement reaches end of useful life	\$155,000	\$147,250	\$7,750
	Replace / Relocate Beacon	Replace and relocate airport beacon	Large aircraft hangar area development	\$67,500	\$64,125	\$3,375
	Unpaved Road Realignment	Realign unpaved road outside of Runway 31 Clear Zone	Remove land use from clear zone as opportunity presents	\$50,000	\$47,500	\$2,500
	Construct Parallel Taxiway	Construct full length parallel taxiway	Available funding, reduce runway downtime	\$3,060,000	\$2,907,000	\$153,000
	Construct Taxilane	Extend north taxilane 150' in small hangar area	Demand for small aircraft storage	\$100,000	\$95,000	\$5,000
	Construct Taxilane	Extend south taxilane 150' in small hangar area	Demand for small aircraft storage	\$100,000	\$95,000	\$5,000
	Construct Taxilane	Construct connector taxilane, vehicle parking lot in small hangar area	Demand for small aircraft storage	\$290,000	\$275,500	\$14,500
	Construct Hangar	Construct 6-Unit T-Hangar, hangar site, and pavement access	Demand for small aircraft storage	\$800,000	\$0	\$800,000
<b>Sub-Total</b>				<b>\$6,577,500</b>	<b>\$5,459,625</b>	<b>\$1,117,875</b>
<b>TOTAL</b>				<b>\$12,047,500</b>	<b>\$9,804,375</b>	<b>\$2,243,125</b>

*Blue: Indicates project is demand driven*

**Let Us Know What You Think!**

We want to hear your feedback regarding the future of the Perham Municipal Airport.



For general questions, we encourage you to contact project representatives directly.



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