

**MICHIGAN STATE BLOCK GRANT PROGRAM
AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) - FY 2021**

Airport Name: Sault Ste Marie - Sanderson Field				Date prepared: 12-15-20	
Associated City: Sault Ste Marie, Michigan				Prepared By: Prein&Newhof	
Sponsor: Sault Ste Marie				Sponsor email address:	
Airport Identifier: ANJ					
Development Year	Project Description	State	Local	Total	Remarks/Item Justification - Provide as much detail as possible.
2021	<i>Available Entitlements</i>				
		\$ -		\$ -	
		\$ -		\$ -	
		\$ -		\$ -	
		2021 Total		\$ -	
2022	<i>Available Entitlements</i>				
	Reconstruct Taxiway A - Design	\$ 82,800	\$ 9,200	\$ 92,000	The parallel Taxiway A was last inspected in 2016 and was found to have a PCI rating of 15. By 2020, the projected PCI will be 10. The threshold for reconstruction projects is a PCI rating of 55, meaning the reconstruction of this taxiway is well past due. The taxiway was constructed in 1997, and no major work has been performed since. This taxiway has reached the end of its useful life and is recommended for full reconstruction.
		\$ -		\$ -	
		\$ -		\$ -	
		2022 Total		\$ 92,000	
2023	<i>Available Entitlements</i>				
	Reconstruct Taxiway A - Construction	\$ 927,000	\$ 103,000	\$ 1,030,000	The parallel Taxiway A was last inspected in 2016 and was found to have a PCI rating of 15. By 2020, the projected PCI will be 10. The threshold for reconstruction projects is a PCI rating of 55, meaning the reconstruction of this taxiway is well past due. The taxiway was constructed in 1997, and no major work has been performed since. This taxiway has reached the end of its useful life and is recommended for full reconstruction.
		\$ -		\$ -	
		2023 Total		\$ 1,030,000	
2024	<i>Available Entitlements</i>				
	Wetland Mitigation & Creek Relocation - Taxiway A Extension Environmental Assessment	\$ 63,000	\$ 7,000	\$ 70,000	To plan for constructing the remainder of the parallel taxiway in 2021, an environmental assessment is needed to determine specific environmental impacts the extension would have. Because there are known wetlands in the taxiway area, it is prudent to plan for wetland replacement with the construction, even before the environmental assessment is completed. The parallel taxiway scheduled to be extended by 2,670' and the existing hangar will be expanded by 2 bays in 2021. The potentially impacted wetlands were delineated by the City in 2010. The environmental assessment will document likely impacts on the identified wetlands and on the drainage ditch at the northeast side of the runway. The environmental assessment is included in this Item Sheet as a \$70,000 cost item. A preliminary design report will be done to determine which taxiway alignment would be most feasible to construct, including whether the taxiway should be at 400' separation from runway centerline, or 300' separation from runway centerline (most likely scenario). The 300' separation will significantly reduce wetland and drainage ditch impacts. Approximately 3 +/- acres of wetland may be impacted and with 9 +/- acres (3 to 1 ratio) of new wetland needed to be constructed under the 400' separation taxiway alignment.
		\$ -		\$ -	
		\$ -		\$ -	
		Total		\$ 70,000	
2025	<i>Available Entitlements</i>				
	Taxiway A Extension - Design	\$ 189,000	\$ 21,000	\$ 210,000	Extension of the parallel Taxiway A, as depicted on the current ALP will remove the necessity for aircraft to back taxi on the runway, therefore greatly increasing the operational safety of the airport. There were a total of 9,067 aircraft operations in 2017.
	Wetland Mitigation & Creek Relocation - Taxiway A Extension	\$ 675,000	\$ 75,000	\$ 750,000	Extension of the parallel taxiway will require relocation of wetlands and a small tributary of the Ashmun Creek. Execution of these relocations will be done in accordance with the recommendations developed during the Environmental Assessment. The cost for this project includes buying wetland credits for 9 +/- acres of wetland, estimated at \$80,000 per acre credit. Also included is \$30,000 for environmental permits.
		2025 Total		\$ 960,000	
2026	<i>Available Entitlements</i>				
	Taxiway A Extension - Construction	\$ 2,142,000	\$ 238,000	\$ 2,380,000	Extension of the parallel Taxiway A, as depicted on the current ALP will remove the necessity for aircraft to back taxi on the runway, therefore greatly increasing the operational safety of the airport. There were a total of 9,067 aircraft operations in 2017.
		\$ -		\$ -	
		2026 Total		\$ 2,380,000	