## Developing Excellence at Ann Arbor Airport through Capital Improvement Programs: 2014-2023

Project	Problem(s) to be solved	Opportunity created	Total Cost of project	Cost to ARB	Prior work completed	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
						20	20	20	20	20	20	20	20	20	20	20
800' Runway extension	Some aircraft are restricted to partial fuel to meet take-off weight requirements Reduces the chance of an aircraft incident/accident due to failure to stop Permits a safer flight training environment	ARB will have full capability within the Type IIb airport category Will attract additional commercial business	a) Final design and approach survey \$290,000	a) \$14,400	Airport Layout Plan developed and approved by City Council		x									
150' Runway shift	Tower cannot see aircraft waiting to depart on RY24	Tower will have direct line-of-sight with aircraft at all times Approach angle can be changed to 1:34		b) \$130,000	Environmental assessment completed. Under			x								
	Steep approach angle to RY24 required to avoid collision with traffic on State St.	from 1:20 State St. can be widened without intrusion into 1:34 approach envelope	b) Runway & Taxiway construction \$2,599,000		review by FAA											
Purchase Snow Removal Equipment	Minimize runway closure time in winter conditions		\$250,000	\$12,500		х										
Terminal Parking lot expansion and relocate Airport Dr.	Inadequate parking close to terminal. Cars are parked on grass or rental lot		\$356,000	\$17,800						x						
Rehabilitate airport access road	Multiple temporary repairs of potholes cause problems throughout the year	Reduce continuous maintenance requirements	\$439,000	\$22,000					Х							
Airport Signage		Increase clarity to visitors of airport facility locations	\$10,000	\$10,000 (local funding only)					х							
Rehabilitate runway and taxiway concrete joint seals. Remark surface markings	Avoid damage to aircraft during high and low speed movements. Ensure safety through clear surface markings	Create a consistent quality of surface and markings after the runway extension project is complete	\$170,000	\$8,500					х							
Terminal Building Expansion and Renovation	Old-style terminal building presents a poor first impression of Ann Arbor. Limited commercial opportunities	Increase opportunities for commercial presence	\$776,000	\$38,800							х					
Reconstruct SE and NE taxiways	Damage to aircraft by degraded taxiways	Enhances the value of hanger rental in areas served by these taxiways	\$1,138,000	\$57,000								х				
Construct taxi lanes for new box hangers	Existing taxi lanes are old lanes. No new lanes built when box hangers constructed	Enhances the value of hanger rental in areas served by these taxiways	\$193,000	\$9,500								х				
Rehabilitate and expand apron with lighting	Inadequate parking space during times of events. No lighting increases risk of incident with aircraft or people	Increases the attractiveness of ARB for itinerant traffic	\$1,557,000	\$78,000									х			
Purchase snow removal equipment	Minimize runway closure time in winter conditions		\$321,000	\$16,000									х			
Hanger site work	Ensure hangers and access are in good condition	Enhances the value of hanger rental in areas served by these taxiways	\$128,000	\$8,000										х		
Construct new hanger access road	Reduces risk of collision between cars and aircraft with current common use of a busy aircraft taxi area		\$353,000	\$17,500											х	
		Totals	\$8,580,000	\$440,000												
	Source of funds	City of AA Property taxes		\$0												
		Airport Funds		\$440,000												
		Federal	\$7,710,000													
		MDOT Aero	\$430,000													