

**MICHIGAN AIRPORT DEVELOPMENT  
PROGRAM PACKAGE  
MDOT Airports Division**

**Ten Year Airport Capital Improvement Plan  
2012-2022**

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*Prepared for:*

**Mt. Pleasant Municipal Airport  
Mount Pleasant, Michigan**

**December 2011**

**Contact:**

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Mt. Pleasant Municipal Airport  
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Prepared by:

**Mead&Hunt**

**MICHIGAN STATE BLOCK GRANT PROGRAM**  
**TEN-YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2012\* to FY-2022**

Airport Name: Mt. Pleasant Municipal Airport										Date prepared: 8/11 RC REVISED: 11/18/11 saw	
Associated City: Mt. Pleasant					Airport Identifier: MOP					Prepared By: R.Chesney Revised: Mead & Hunt, saw	
Sponsor: City of Mt. Pleasant										Sponsor email address & phone: Roger Rousse, 989-779-5402	
NPIAS Airport Code: C											
Development Year	Project Description	Shown on ALP? (Yes or No)	ACIP Code**	NPIAS Priority Rating**	Federal Entitlements	Federal Apportionment	Federal Discretionary	State	Local	Total	Remarks/Item Justification - Provide as much detail as possible.
	Carryover \$ 300,000										
2012	Rehabilitate Corporate Hangar Apron	Yes	RW AP IM	58	\$356,250			\$9,375	\$9,375	\$375,000	The existing pavement of the corporate hangar area is nearly 20 years old and is experiencing a significantly heavier weight of aircraft on it on a routine basis compared to what it was designed for. This has lead to an accelerated deterioration of the pavement.
	Update Airport Layout Plan (ALP)	NA	PL PL MA	64	\$90,250			\$2,375	\$2,375	\$95,000	The existing ALP is nearly 15 years old and has not been updated to reflect the projects that have been completed over the past few years. FAA design criteria has changed since the 1997 adoption of the plan and needs to be addressed in the update, along with an assessment of the crosswind runway location and a justification study to address the need for the crosswind runway.
	Carryover \$ 3,500										
2013	Design PAPI/REIL Runway 9 and replace Taxiway lighting for "V" taxiways leading to terminal apron area	Yes	TW SA LI	87	\$19,950			\$525	\$525	\$21,000	The MDOT AERO inspectors have continued to encourage the installation of a PAPI and REIL system on Runway 27 to support the LPV approach. In addition, the lighting on the "V" taxiways leading to the terminal apron are reaching the end of their useful life and need to be replaced with a new lighting system prior to them failing.
	Carryover \$ 133,550										
2014	Crack Sealing and Pavement Marking Runway 9/27	NA	RW RE IM	68	\$28,500			\$750	\$750	\$30,000	The preventive maintenance of crack sealing the runway and taxiway pavements will slow the deterioration of the pavements. Marking will also be included to meet FAA standards.
	Install PAPI/REIL Runway 9 and replace Taxiway lighting for "V" taxiways leading to terminal apron area	Yes	TW SA LI	87	\$236,550			\$6,225	\$6,225	\$249,000	The MDOT AERO inspectors have continued to encourage the installation of a PAPI and REIL system on Runway 27 to support the LPV approach. In addition, the lighting on the "V" taxiways leading to the terminal apron are reaching the end of their useful life and need to be replaced with a new lighting system prior to them failing. Designing this ahead of the construction will allow for additional lead time and better bidding options.
	Carryover \$ 18,500										
2015	Environmental Assessment for Relocation and Paving Crosswind Runway	NA	RW CA EX	53	\$95,000			\$2,500	\$2,500	\$100,000	An environmental assessment will be necessary to support the development of the crosswind runway. This study will use the recently completed (2010) EA for the land acquisition of property north of the airport as a foundation for information.
	Preliminary Engineering for EA for Relocation and Paving Crosswind Rwy	Pending ALP update	RW CA EX	53	\$28,500			\$750	\$750	\$30,000	Preliminary engineering will be necessary to provide information into the EA regarding planned engineering elements such as grading limits, construction phasing and tree clearing.
	Carryover \$ 140,000										
2016	Land Acquisition for Crosswind Rwy RPZ and approaches	Pending ALP update	RW CA EX	53	TBD				TBD	TBD	With current FAA criteria, it will be necessary to obtain adequate control of the RPZs for the crosswind runway, this may include fee simple acquisition or avigation easements. Specific acreages and impacts will be determined as part of the ALP update in 2012.
	Carryover \$ 0										

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2017	No Project - Carry forward for Runway				\$0			\$0	\$0	\$0	Carry funds forward for Crosswind Runway Project		
	Carryover \$0												
2018	Design for Relocation and Paving Crosswind Runway	Pending ALP update	RW CA EX	53	\$199,500			\$5,250	\$5,250	\$210,000	Providing design for the relocation and paving of the crosswind runway a year ahead of construction will allow us to obtain better bid prices and allow for additional lead time for development of the construction plans.		
	Carryover \$ 0												
2019	Relocate and Pave Crosswind Runway (3,000' x 60')	Pending ALP update	RW CA EX	53	\$150,000	\$2,890,000		\$80,000	\$80,000	\$3,200,000	The current configuration of the airport with a east/west primary runway provides a significant amount of crosswind activity at the airport which is detrimental to the smaller GA aircraft that operate from the airport. Construction of a paved crosswind runway will facilitate greater use of the airport by smaller aircraft during these crosswind events.		
	Carryover \$ 0												
2020	Crack Sealing and Pavement Marking	NA	RW RE IM	68	\$19,000			\$500	\$500	\$20,000	Providing crack sealing for the existing pavements is important to maintain the integrity of the pavements as long as possible. Marking the pavement is also important.		
	Carryover \$ 131,000												
2021	Rehabilitate Runway 9/27 Lighting	NA	RW RE LI	68	\$285,000			\$7,500	\$7,500	\$300,000	The runway lighting system will be over 25 years old and should be evaluated to assess the integrity of the system and determine if a rehabilitation is necessary.		
	Carryover \$ 0												
2022	Carry forward for 2023 project				\$0			\$0	\$0	\$0	No project planned to allow for carry over of funds to 2023 project.		

\* Proposed airport development must be shown on current FAA approved ALP prior to funding project.

# MT. PLEASANT MUNICIPAL AIRPORT

## MT. PLEASANT, MICHIGAN

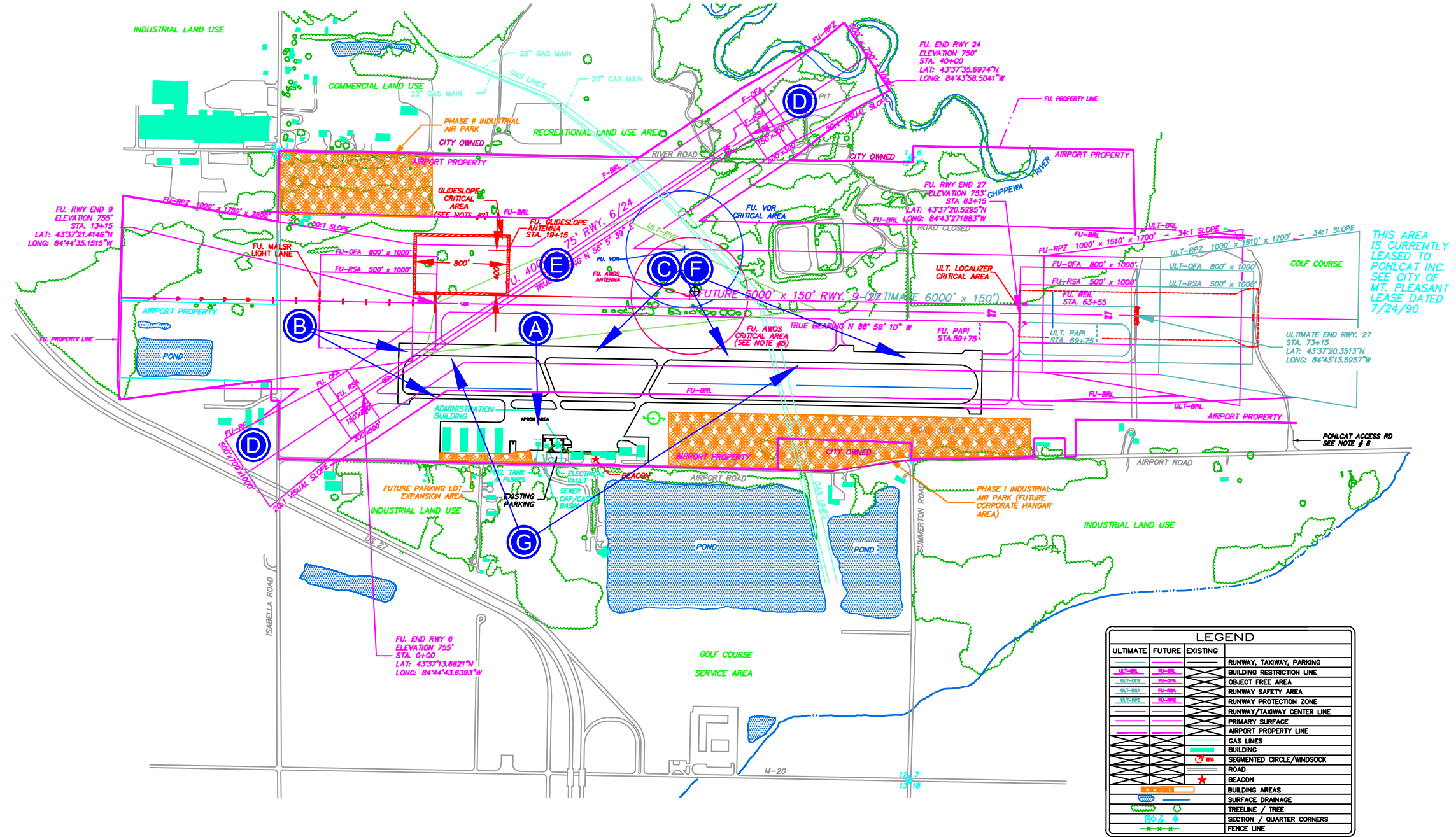


### AIRPORT DEVELOPMENT PLAN - YEARS 2012 TO 2022

FAA IDENTIFIER: MOP

STATE ID: 37-01

<b>YR 2012</b>
(A) REHABILITATE CORPORATE HANGAR APRON UPDATE AIRPORT LAYOUT PLAN - ALP
<b>YR 2013</b>
(B) INSTALL PAPI/REIL RUNWAY 9 AND REPLACE TAXIWAY LIGHTING FOR "V" TAXIWAYS LEADING TO TERMINAL APRON AREA
<b>YR 2014</b>
(C) CRACK SEALING AND PAVEMENT MARKING - RUNWAY 9/27
<b>YR 2015</b>
ENVIRONMENTAL ASSESSMENT FOR RELOCATION AND PAVING CROSSWIND RUNWAY PRELIMINARY ENGINEERING FOR EA FOR RELOCATION AND PAVING CROSSWIND RUNWAY
<b>YR 2016</b>
(D) LAND ACQUISITION FOR CROSSWIND RUNWAY RPZ AND APPROACHES
<b>YR 2017</b>
NO PROJECTS
<b>YR 2018</b>
DESIGN FOR RELOCATION AND PAVING CROSSWIND RUNWAY
<b>YR 2019</b>
(E) RELOCATE AND PAVE CROSSWIND RUNWAY
<b>YR 2020</b>
(F) CRACK SEALING AND PAVEMENT MARKING
<b>YR 2021</b>
(G) REHABILITATE RUNWAY 9/27 LIGHTING
<b>YR 2022</b>
CARRY FORWARD FOR 2023 PROJECTS



THIS AREA IS CURRENTLY LEASED TO POHLCAT INC. SEE CITY OF MT. PLEASANT LEASE DATED 7/24/90



November 28, 2011 - 37-01\_MOP\_sketch2012.dwg