

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

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

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*Prepared for:*

**Romeo State Airport  
Romeo, Michigan**

**Final December 2011**

**Contact:**

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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: Romeo State Airport										Date prepared: 12/13/11	
Associated City: Romeo										Prepared By: Mead & Hunt - rje	
Sponsor: Romeo Airport Management, LCC., Steve Mazur										Sponsor email address & phone: mbdevelopment@comcast.net 248-740-8700	
Airport Identifier: D98										<b>FINAL ACIP due to MDOT AERO: no later than</b>	
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.
2012	Northeast Taxiways Rehabilitation	YES	RE TW IM	64	\$399,000	\$0	\$0	\$10,500	\$10,500	\$420,000	The taxiways on the west side of the northeast hangars require rehabilitation. \$420,000 is the cost for a total reconstruction. The cost to pulverize, shape and pave with some minor drainage improvements would be \$250,000
	Site Work for new Community Hangar	YES	CA RW CO	36	\$19,000	\$0	\$0	\$500	\$500	\$20,000	The airport is planning to build a new community hangar near the existing terminal building. The site work of the hangar is an eligible cost. This will include a drive, parking and utilities.
	Sign Project	YES	CA RW CO	36	\$0	\$0	\$0	\$4,500	\$500	\$5,000	An old hangar near the entrance was recently demolished and the area was cleaned up. A new sign needs to be installed to make it easier for people to find the entrance to the airport.
2013	Justify Crosswind Runway	YES	CA RW CO	61	\$11,875	\$0	\$0	\$313	\$313	\$12,500	A report needs to be prepared to determine if the crosswind runway is justified based on the type of aircraft that are expected to use the runway.
2014	Environmental Assessment for Crosswind Runway	YES <sup>x</sup>	CA RW CO	61	\$142,500	\$0	\$0	\$3,750	\$3,750	\$150,000	The ALP shows the need for a Crosswind Runway to provide a crosswind coverage for the types of aircraft using the airport
2015	Land Acquisition for Crosswind Runway	YES <sup>x</sup>	CA RW CO	61						TBD	Land will need to be acquired on the north end to protect the approaches. The full extent of the land required has not been determined at this time. Therefore cost estimates have not been developed.
2016	Easements for Tree Clearing	YES <sup>x</sup>	CA RW CO	61						TBD	Land will need to be acquired on the north end to protect the approaches. The full extent of the land required has not been determined at this time. Therefore cost estimates have not been developed.
	Design for Crosswind Runway	YES <sup>x</sup>	CA RW CO	61	\$104,500	\$0	\$0	\$2,750	\$2,750	\$110,000	The ALP shows the need for a Crosswind Runway to provide a crosswind coverage for the types of aircraft using the airport
2017	Construction of Crosswind Runway	YES <sup>x</sup>	CA RW CO	61	\$1,643,500	\$0	\$0	\$43,250	\$43,250	\$1,730,000	The ALP shows the need for a Crosswind Runway to provide a crosswind coverage for the types of aircraft using the airport
2019	Acquire and Install AWOS	YES	ST EQ WX	44	\$123,500	\$0	\$0	\$3,250	\$3,250	\$130,000	An AWOS is a priority for the airport and is shown on the State's "All Weather Access Plan"

<sup>x</sup>The proposed crosswind is on the proposed ALP that is currently being reviewed by MDOT AERO

\*\*In accordance with FAA Order 5100.39A, Appendix 6 - Fields need to be completed

## ENGINEERING COST ESTIMATE

PROJECT: Pulverize and reshape north taxiway and taxilanes  
 LOCATION: Romeo State Airport  
 CITY: Romeo, MI  
 DATE: 11/28/11  
 PREPARED BY: JPH

FINAL DESIGN  
 PROJECT PROGRAMMING  
 FEASIBILITY STUDY  
 STATE PLANNING  
 BASED ON FY 2012 DOLLARS

WORK DESCRIPTION: Pulverize and shape north taxiway and taxilanes, drainage improvements, and reflectors.

ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	ITEM COST
Mobilization and General Conditions	LS	1	\$ 15,000.00	\$ 15,000
Safety and Security	LS	1	\$ 10,000.00	\$ 10,000
Engineer's Field Office and Lab	LS	1	\$ 2,500.00	\$ 2,500
Permit Fee Allowance	DLR	1	\$ 7,500.00	\$ 7,500
Pulverize Pavt (3" hma and 5" agg base)	Syd	7,450	\$ 1.00	\$ 7,450
Fine Grade and Compact Pulverized Material	Syd	7,250	\$ 2.00	\$ 14,500
Unclassified Excavation	Cyd	1,500	\$ 6.00	\$ 9,000
Salvage Pulverized Material	Cyd	50	\$ 10.00	\$ 500
20AAX Asphalt	Ton	1,200	\$ 75.00	\$ 90,000
Reflectors	EA	40	\$ 70.00	\$ 2,800
Paint	Sft	4,000	\$ 0.65	\$ 2,600
Misc. Drainage Items	LS	1	\$ 6,000.00	\$ 6,000
Misc. Electrical (4 handholes and conduit)	LS	1	\$ 4,000.00	\$ 4,000
Subgrade Undercutting	Cyd	700	\$ 5.00	\$ 3,500
Restoration	ACRE	1	\$ 4,000.00	\$ 4,000
<b>CONSTRUCTION TOTAL =</b>				<b>\$ 179,350</b>
<b>CONSTRUCTION CONTINGENCIES (15%) =</b>				<b>\$ 26,903</b>
<b>CONSTRUCTION TOTAL =</b>				<b>\$ 206,253</b>
<b>ENGINEERING DESIGN (7%) =</b>				<b>\$ 14,438</b>
<b>CONSTRUCTION ADMIN (10%) =</b>				<b>\$ 20,625</b>
<b>\$</b>				<b>241,315</b>
<b>ANTICIPATED CONSTRUCTION YEAR =</b>				<b>2013</b>
<b>RATE OF INFLATION =</b>				<b>2.00%</b>
<b>PROJECT YEAR TOTAL COST =</b>				<b>\$ 246,142</b>
<b>PROJECT YEAR BUDGET ESTIMATE =</b>				<b>\$ 250,000</b>



Note: These costs were developed without the benefit of field surveys or soils investigation.  
 A final cost estimate will be dependent upon development of these items and further design.



# ROMEO STATE AIRPORT

ROMEO, MICHIGAN



## TEN-YEAR DEVELOPMENT PLAN - YEARS 2012 TO 2022

FAA IDENTIFIER: D98  
STATE ID: 50-11

- YEAR - 2012
  - A** — NORTHEAST TAXILANES REHABILITATION
  - B** — SITE WORK FOR NEW COMMUNITY HANGAR
  - C** — SIGN PROJECT

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- YEAR - 2013
  - D** — JUSTIFY CROSSWIND RUNWAY

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- YEAR - 2014
  - D** — ENVIRONMENTAL ASSESSMENT FOR CROSSWIND RUNWAY

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- YEAR - 2015
  - E** — LAND ACQUISITION FOR CROSSWIND RUNWAY

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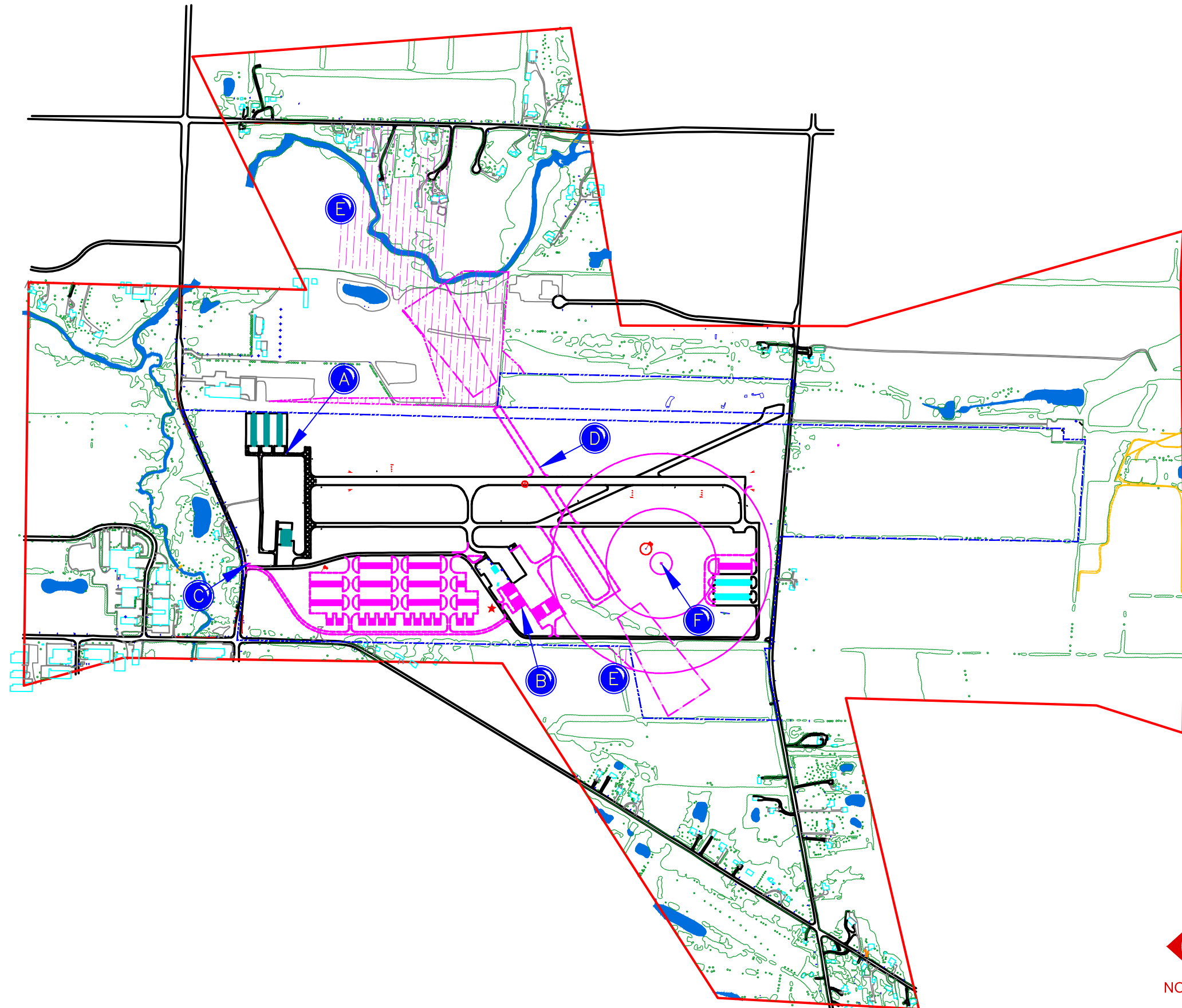
- YEAR - 2016
  - E** — EASEMENT FOR CROSSWIND RUNWAY

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- YEAR - 2017
  - D** — CONSTRUCTION OF CROSSWIND RUNWAY

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- YEAR - 2019
  - F** — ACQUIRE AND INSTALL AWOS
  - \*CARRY FORWARD REMAINING GA ENTITLEMENTS (\$64,000)



\* ITEM NOT SHOWN ON SKETCH