

**MICHIGAN AIRPORT DEVELOPMENT
PROGRAM PACKAGE
MDOT Office of Aeronautics**

**Airport Capital Improvement Plan
2015-2020**

Prepared for:

**Fremont Municipal Airport
Fremont, Michigan**

October 15, 2014

Contact:

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Prepared by:

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MICHIGAN STATE BLOCK GRANT PROGRAM												
MULTI-YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2015* to FY-2019												
*ACIP includes current development year (2014 already programmed - minor changes acceptable)												
Airport Name: Fremont Municipal Airport		Date last revised: 9/17/2014										
Associated City: Fremont, MI		Prepared By: GWS, JAK, SADW										
Sponsor: City of Fremont, MI		Sponsor email address & phone: baba@cityoffremont.net (313) 924-2101										
Airport Identifier: FFX		FINAL ACIP due to MDOT AERO no later than 10/15/14										
Development Year	Project Description	Shown on ALP? (Yes or No)	ACIP Code**	NPIAS Priority Rating**	Federal Entitlements	Federal Apportionment	Federal Discretionary	State	Local	Total	Remark/Item Justification - Provide as much detail as possible.	
2015	Carryover: \$108,936 Carryover Funds to 2016											
2016	Carryover: \$258,936 (Design) Rehabilitate Runway, 1836 PFC Replacement	Yes	RE-RW-CO	72	\$60,000			\$5,000	\$5,000	\$100,000	See Concept (Project) Narrative and Justification Sheet provided by MDOT-AERO, included with project cost estimate(s).	
2017	Carryover: \$318,936 Rehabilitate Runway, 1836 PFC Replacement	Yes	RE-RW-CO	72	\$488,936	\$608,064		\$76,500	\$76,500	\$1,530,000	See Concept (Project) Narrative and Justification Sheet provided by MDOT-AERO, included with project cost estimate(s).	
2018	Carryover: \$0 Carryover Funds to 2019											
2019	Carryover: \$150,000 (Design) Construct Building, 10-Unit T Hangar	Yes	ST-BD-MS	31	\$45,000			\$2,500	\$2,500	\$50,000	See Concept (Project) Narrative and Justification Sheet provided by MDOT-AERO, included with project cost estimate(s).	
2020	Carryover: \$255,000 Construct Building, 10-Unit T Hangar	Yes	ST-BD-MS	31	\$405,000	\$27,000		\$24,000	\$24,000	\$480,000	See Concept (Project) Narrative and Justification Sheet provided by MDOT-AERO, included with project cost estimate(s).	

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

ENGINEERING COST ESTIMATE

PROJECT: Rehabilitate Runway, 18/36 PFC Replacement
 LOCATION: Fremont Municipal Airport
 CITY: Fremont, MI
 DATE:
 PREPARED BY: JAK
 REVISED: 7/23/2014

___ FINAL DESIGN
 ___ PROJECT PROGRAMMING
 ___ FEASIBILITY STUDY
 x STATE PLANNING
 BASED ON FY 2014 DOLLARS

WORK DESCRIPTION: Replacement of the original (1997) PFC on Runway 18/36 (5750' X 100') and relevant connectors; remaining airfield marking and crack sealing update

ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	ITEM COST
Mobilization and General Conditions	LS	1	\$ 75,000.00	\$ 75,000
Safety and Security	LS	1	\$ 10,000.00	\$ 10,000
Permits	DLR	1,000	\$ 1.00	\$ 1,000
Cold Mill Existing Asphalt (2.75")	SYD	66,065	\$ 2.50	\$ 165,163
New Asphalt Leveling Course (2")	TON	8,175	\$ 75.00	\$ 613,125
Porous Friction Course (3/4" thickness)	TON	2,790	\$ 75.00	\$ 209,250
Runway Marking, Half-rate, White	SF	30,000	\$ 1.00	\$ 30,000
Runway Marking, White	SF	30,000	\$ 1.00	\$ 30,000
Taxiway Marking, Half-rate, Yellow	SF	2,500	\$ 2.00	\$ 5,000
Taxiway Marking, Yellow	SF	2,500	\$ 2.00	\$ 5,000
Additional Pavement Marking and Crack Sealing	LS	1	\$ 20,000.00	\$ 20,000
Shoulder Restoration/Topsoil	STA	125	\$ 250.00	\$ 31,250
Seed and Mulch	AC	3	\$ 4,000.00	\$ 12,000
				CONSTRUCTION TOTAL = \$ 1,206,788
				CONSTRUCTION CONTINGENCIES (15%) = \$ 181,018
				CONSTRUCTION TOTAL = \$ 1,387,806
				ENGINEERING DESIGN = \$ 97,146
				CONSTRUCTION ADMIN = \$ 138,781
				\$ 1,623,733
				PROJECT YEAR BUDGET ESTIMATE = \$ 1,630,000

Note 1: 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.

CONCEPT (PROJECT) NARRATIVE AND JUSTIFICATION SHEET FOR AIRPORT CAPITAL IMPROVEMENT PROGRAM (ACIP)

Airport and Associated City Fremont Municipal Airport		Concept(s) Development Year 2016 and 2017	
Concept(s) Description Rehabilitate Runway: 18/36 PFC Replacement			
Concept(s) Narrative/Justification (see guidance on preparing your project's justification) <p>The original porous friction course (PFC) on Runway 18/36 south of 9/27 was built in 1997 and is at the beginning stages of decline. The PFC may exhibit more rapid decline towards the end of its life and create a significant foreign object debris (FOD) issue. The runway appears to suffer only from weathering/age related distress as opposed to aircraft loading issues. As a PFC, this surface is not a candidate for typical crack sealing measures which would choke off the water dispersion. Other than deterioration from age, the airport is pleased with the drainage performance and functionality of the PFC.</p> <p>Currently, the City has implemented a regular schedule of sweeping to eliminate FOD issues stemming from the PFC.</p>			
PCI Information for pavement rehabilitation (Please provide PCI rating(s) and year surveyed for proposed project)			
Section RW1836FM-10	Date of PCI Survey 2010	PCI Rating 82	
Section	Date of PCI Survey	PCI Rating	
Section	Date of PCI Survey	PCI Rating	
ALP Verification (Please provide date of approved ALP and applicable sheet number(s) where proposed project is located)			
Verify Project is on ALP <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A		Date of Original FAA Approved ALP August 1994	Sheet Number(s) 3
Date(s) of Approved Update(s)			
Comments The Airport is currently in the process of completing an ALP update project.			

ALP Note: If not on Airport Layout Plan (ALP), project cannot be programmed until the proposed development, if applicable is on an approved ALP.

CONCEPT (PROJECT) NARRATIVE AND JUSTIFICATION SHEET FOR AIRPORT CAPITAL IMPROVEMENT PROGRAM (ACIP)

Airport and Associated City Fremont Municipal Airport		Concept(s) Development Year 2019 and 2020	
Concept(s) Description Construct Building, 10-Unit T Hangar			
Concept(s) Narrative/Justification (see guidance on preparing your project's justification) The sponsor has very few empty hangars and would like to develop a new T-hangar area. The design shall include the hangar building plus taxilanes to serve the tenants.			
PCI Information for pavement rehabilitation (Please provide PCI rating(s) and year surveyed for proposed project)			
Section	Date of PCI Survey	PCI Rating	
Section	Date of PCI Survey	PCI Rating	
Section	Date of PCI Survey	PCI Rating	
ALP Verification (Please provide date of approved ALP and applicable sheet number(s) where proposed project is located)			
Verify Project is on ALP <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A		Date of Original FAA Approved ALP August 1994	Sheet Number(s) 4
Date(s) of Approved Update(s)			
Comments The Airport is currently in the process of completing an ALP update project.			

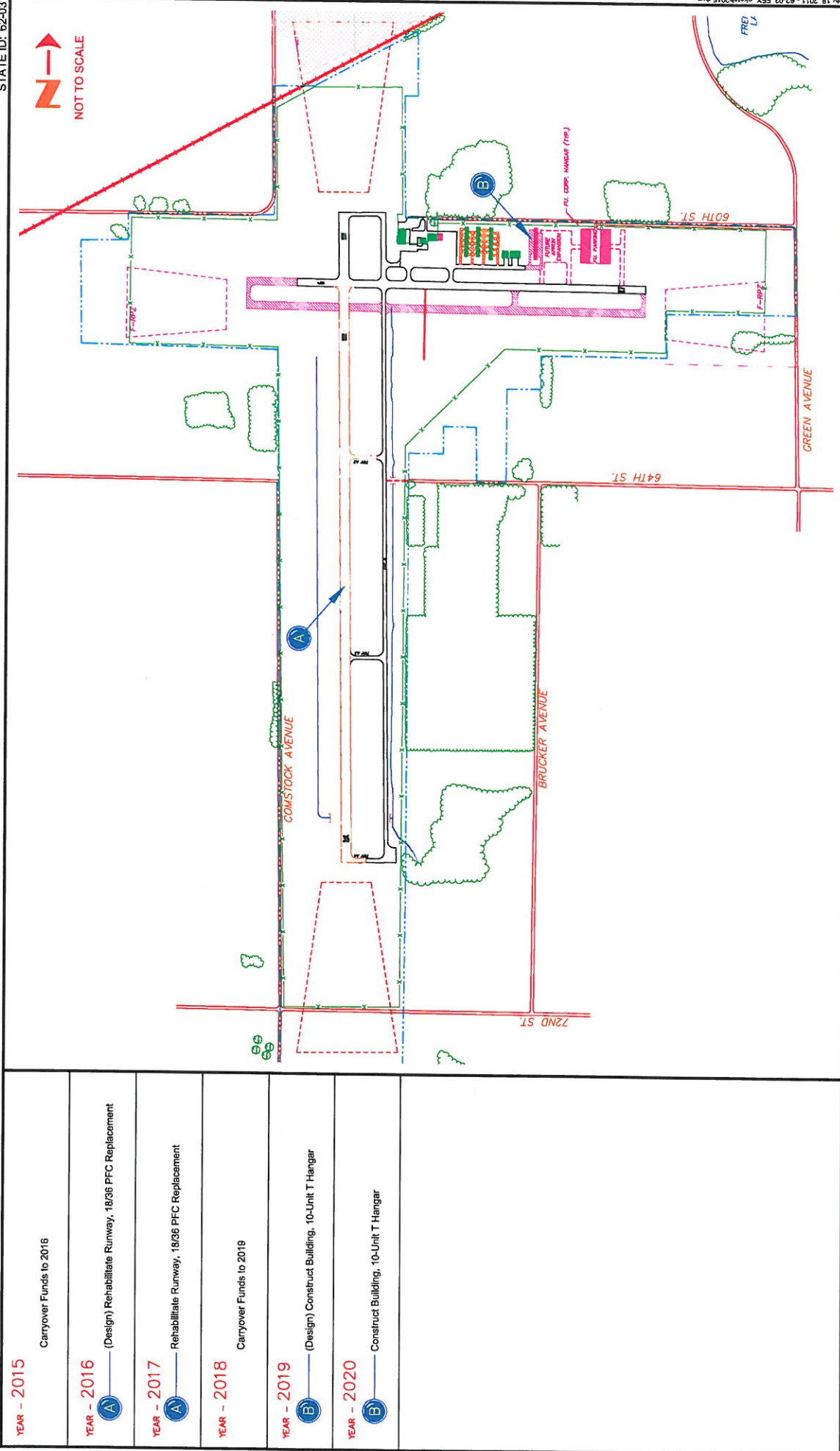
ALP Note: If not on Airport Layout Plan (ALP), project cannot be programmed until the proposed development, if applicable is on an approved ALP.

FREMONT MUNICIPAL AIRPORT FREMONT, MICHIGAN

MULTI-YEAR DEVELOPMENT PLAN - YEARS 2015 TO 2020

MEAD
HUNT

FAA IDENTIFIER: FFX
STATE ID: 62-03



July 18, 2011 - 62-03_FFX_skmh2015.dwg
Design By: GWS
Drawn By: BJH
Approved By: GWS