

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

**Airport Capital Improvement Plan
2012-2018**

Prepared for:

**Saginaw County H. W. Browne Airport
Saginaw, Michigan**

**August 2011
Final November 2011**

Contact:

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Prepared by:

Mead&Hunt

ENGINEERING COST ESTIMATE

PROJECT: Airport Parking Lot & Entrance Rd Reconstruction
 LOCATION: Saginaw County Harry Browne Airport
 CITY: Saginaw, MI
 DATE: 3/18/11
 PREPARED BY: RAL

FINAL DESIGN
 PROJECT PROGRAMMING
 FEASIBILITY STUDY
 STATE PLANNING
 BASED ON FY 2011 DOLLARS

WORK DESCRIPTION: Reconstruct Parking Lot & Entrance Road

ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	ITEM COST
Mobilization and General Conditions	LS	1	\$ 15,000.00	\$ 15,000
Safety and Security	LS	1	\$ 5,000.00	\$ 5,000
Engineer's Field Office and Lab	LS	1	\$ 2,500.00	\$ 2,500
Permit Fee Allowance	LS	1	\$ 5,000.00	\$ 5,000
Unclassified Excavation	CY	5,130	\$ 7.00	\$ 35,910
Sand Subbase	CY	3,420	\$ 14.00	\$ 47,880
Bituminous Surface (3")	TON	925	\$ 62.50	\$ 57,813
Pulverize Existing Pavement	SY	5,130	\$ 1.00	\$ 5,130
Salvage Pulverized Material (3")	CY	855	\$ 7.00	\$ 5,985
Fine Grade & Compact Aggregate Base	SY	5,130	\$ 1.00	\$ 5,130
Drainage	LS	1	\$ 40,000.00	\$ 40,000
Pavement Marking	LS	1	\$ 2,000.00	\$ 2,000
Turfing and Mulching	AC	1	\$ 2,000.00	\$ 2,000
CONSTRUCTION TOTAL = \$				229,348
CONSTRUCTION CONTINGENCIES (15%) = \$				34,402
CONSTRUCTION TOTAL = \$				263,750
ENGINEERING DESIGN (7%) = \$				18,462
CONSTRUCTION ADMIN (10%) = \$				26,375
\$				308,587
ANTICIPATED CONSTRUCTION YEAR =				2014
RATE OF INFLATION =				2.00%
PROJECT YEAR TOTAL COST = \$				327,475
PROJECT YEAR BUDGET ESTIMATE = \$				330,000



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.

ENGINEERING COST ESTIMATE

PROJECT: Runway 9/27 Rehabilitation & Lighting
 LOCATION: Saginaw County Harry Browne Airport
 CITY: Saginaw, MI
 DATE: 7/12/10
 PREPARED BY: JGH & RAL

FINAL DESIGN
 PROJECT PROGRAMMING
 FEASIBILITY STUDY
 STATE PLANNING
 BASED ON FY 2011 DOLLARS

WORK DESCRIPTION: Rehab Rwy 9-27 (5,000' x 100') and replace HIRL's

ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	ITEM COST
Mobilization and General Conditions	LS	1	\$ 140,000.00	\$ 140,000
Safety and Security	LS	1	\$ 35,000.00	\$ 35,000
Engineer's Field Office and Lab	LS	1	\$ 2,500.00	\$ 2,500
Permit Fee Allowance	DLR	1,000	\$ 1.00	\$ 1,000
Bituminous Surface (5")	TON	15,600	\$ 75.00	\$ 1,170,000
Pulverize Existing Pavement	SY	65,000	\$ 1.00	\$ 65,000
Salvage Pulverized Material (3")	CY	6,000	\$ 5.00	\$ 30,000
Fine Grade & Compact Aggregate Base	SY	65,000	\$ 1.00	\$ 65,000
Pavement Marking (Runway)	LS	1	\$ 10,000.00	\$ 10,000
Shoulder Reconstruction	STA	100	\$ 300.00	\$ 30,000
Pavement Joints	LF	7,000	\$ 2.00	\$ 14,000
Cable, 5KV, CIC (incl. Counterpoise)	LF	40,000	\$ 3.50	\$ 140,000
HIRL-Quartz (incl. Lens & Lamp)	EA	80	\$ 800.00	\$ 64,000
Vault Equipment / Regulator	EA	1	\$ 30,000.00	\$ 30,000
Remove MIRL	EA	80	\$ 150.00	\$ 12,000
Guidance / Hold Short Signs / Dist Remaining Signs	EA	7	\$ 2,700.00	\$ 18,900
Turfing and Mulching	AC	5	\$ 2,000.00	\$ 10,000
CONSTRUCTION TOTAL = \$				1,837,400
CONSTRUCTION CONTINGENCIES (15%) = \$				275,610
CONSTRUCTION TOTAL = \$				2,113,010
ENGINEERING DESIGN (7%) = \$				147,911
CONSTRUCTION ADMIN (10%) = \$				211,301
\$				2,472,222
ANTICIPATED CONSTRUCTION YEAR =				2014
RATE OF INFLATION =				2.00%
PROJECT YEAR TOTAL COST = \$				2,623,541
PROJECT YEAR BUDGET ESTIMATE = \$				2,630,000



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ENGINEERING COST ESTIMATE

PROJECT: Taxiway A, C, D, and E east Rehabilitation
 LOCATION: Saginaw County Harry Browne Airport
 CITY: Saginaw, MI
 DATE: 7/12/2010
 PREPARED BY: RAL

___ FINAL DESIGN
 ___ PROJECT PROGRAMMING
 ___ FEASIBILITY STUDY
 STATE PLANNING
 BASED ON FY 2011 DOLLARS

WORK DESCRIPTION: Rehab Taxiway A, C, D, and E east (32,300 SY)

ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	ITEM COST
Mobilization and General Conditions	LS	1	\$ 65,000.00	\$ 65,000
Safety and Security	LS	1	\$ 25,000.00	\$ 25,000
Engineer's Field Office and Lab	LS	1	\$ 2,500.00	\$ 2,500
Permit Fee Allowance	DLR	5,000	\$ 1.00	\$ 5,000
Bituminous Surface (4")	TON	7,800	\$ 85.00	\$ 663,000
Pulverize Existing Pavement	SY	32,300	\$ 1.00	\$ 32,300
Salvage Pulverized Material (3")	CY	2,700	\$ 5.00	\$ 13,500
Fine Grade & Compact Aggregate Base	SY	32,300	\$ 1.00	\$ 32,300
Shoulder Reconstruction	STA	120	\$ 300.00	\$ 36,000
Pavement Marking	LS	1	\$ 17,000.00	\$ 17,000
Turfing and Mulching	AC	4	\$ 3,000.00	\$ 12,000
CONSTRUCTION TOTAL = \$				903,600
CONSTRUCTION CONTINGENCIES (15%) = \$				135,540
CONSTRUCTION TOTAL = \$				1,039,140
ENGINEERING DESIGN (7%) = \$				72,740
CONSTRUCTION ADMIN (10%) = \$				103,914
\$				1,215,794
ANTICIPATED CONSTRUCTION YEAR =				2016
RATE OF INFLATION =				2.00%
PROJECT YEAR TOTAL COST = \$				1,342,335
PROJECT YEAR BUDGET ESTIMATE = \$				1,350,000



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ENGINEERING COST ESTIMATE

PROJECT: Taxiway Lighting
 LOCATION: Saginaw County H.W. Browne Airport
 CITY: Saginaw, MI
 DATE: 07/26/10
 PREPARED BY: BJH/RAL

FINAL DESIGN
 PROJECT PROGRAMMING
 FEASIBILITY STUDY
 STATE PLANNING
 BASED ON FY 2011 DOLLARS

WORK DESCRIPTION: Install taxiway lighting system for all existing taxiways.

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
Cable, 5KV, CIC (incl. Counterpoise)	LF	25,000	\$ 3.50	\$ 87,500
Elec. Manhole	EA	4	\$ 5,000.00	\$ 20,000
Elec. Handhole	EA	14	\$ 1,500.00	\$ 21,000
Electrical Duct	LF	650	\$ 50.00	\$ 32,500
LED MITL (incl. Lens & Lamp)	EA	180	\$ 950.00	\$ 171,000
Vault Equipment / Regulators	EA	1	\$ 40,000.00	\$ 40,000
Remove MITL	EA	180	\$ 100.00	\$ 18,000
Guidance / Hold Short Signs / Dist Remaining Signs	EA	15	\$ 3,000.00	\$ 45,000
Remove Guidance / Hold Short Signs / Dist Remaining Signs	EA	15	\$ 150.00	\$ 2,250
CONSTRUCTION TOTAL =				\$ 462,250
CONSTRUCTION CONTINGENCIES (15%) =				\$ 69,338
CONSTRUCTION TOTAL =				\$ 531,588
ENGINEERING DESIGN (7%) =				\$ 37,211
CONSTRUCTION ADMIN (10%) =				\$ 53,159
				\$ 621,957
ANTICIPATED CONSTRUCTION YEAR =				2017
RATE OF INFLATION =				2.00%
PROJECT YEAR TOTAL COST =				\$ 700,425
PROJECT YEAR BUDGET ESTIMATE =				\$ 710,000



Note: These costs were developed without the benefit of field surveys or soils investigation.
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SAGINAW COUNTY H.W. BROWNE AIRPORT

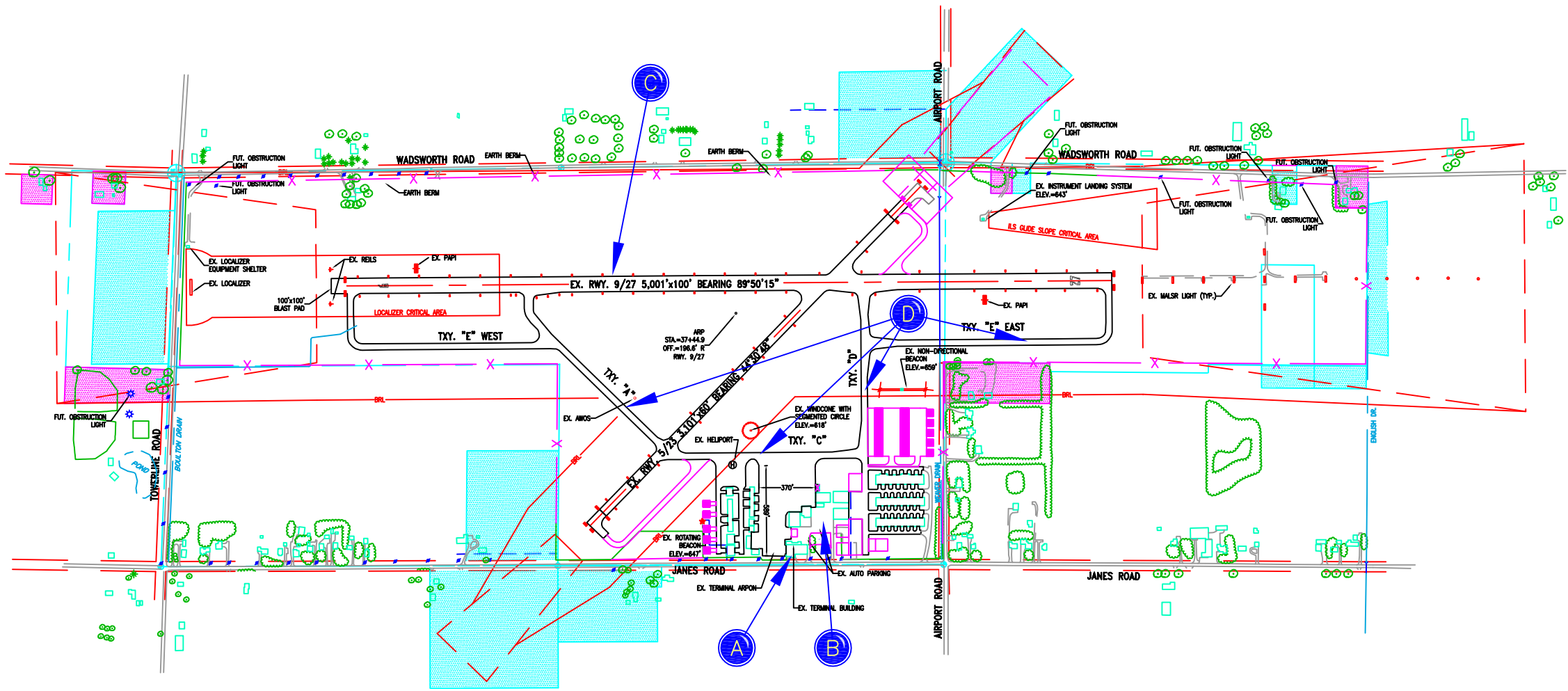
SAGINAW, MICHIGAN



FIVE-YEAR DEVELOPMENT PLAN - YEARS 2012 TO 2018

FAA IDENTIFIER: HYX
STATE ID: 73-01

<p>YEAR - 2012</p> <p>A CONSTRUCT ADMINISTRATION BUILDING</p> <p>PARTIAL ALP UPDATE/RPZ EVALUATION/USER SURVEY FOR RUNWAY DESIGN JUSTIFICATION</p>
<p>YEAR - 2013</p> <p>LAND ACQUISITION (RPZ)</p>
<p>YEAR - 2014</p> <p>B DESIGN AIRPORT PARKING LOT & ENTRANCE ROAD</p> <p>C DESIGN RUNWAY 9/27 REHABILITATION AND LIGHTING</p>
<p>YEAR - 2015</p> <p>B CONSTRUCT AIRPORT PARKING LOT & ENTRANCE ROAD</p> <p>C CONSTRUCT RUNWAY 9/27 REHABILITATION AND LIGHTING</p>
<p>YEAR - 2016</p> <p>D DESIGN TAXIWAY A, C, D, E EAST REHABILITATION</p>
<p>YEAR - 2017</p> <p>D CONSTRUCT TAXIWAY A, C, D, E EAST REHABILITATION</p> <p>DESIGN TAXIWAY LIGHTING</p>
<p>YEAR - 2018</p> <p>CONSTRUCT TAXIWAY LIGHTING</p>



June 6, 2011 - 73-01_HYX_sketch2012.dwg

MICHIGAN AIRPORT PROGRAM (MAP) MEETINGS

Attendance Sheet

Airport: Saginaw HW Browne

Date: November 14, 2011

PLEASE PRINT

<u>Name</u>	<u>Representing</u>	<u>Phone</u>	<u>E-mail</u>
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NP = NOT PRESENT