

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

**Airport Capital Improvement Plan
2012-2017**

Prepared for:

**Branch County Memorial Airport
Coldwater, Michigan**

August 2011

Contact:

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Branch County Memorial Airport
351 Airport Drive
Coldwater, MI 49036
517-279-7050

Prepared by:

Mead&Hunt

ENGINEERING COST ESTIMATE

PROJECT: Terminal Apron Rehabilitation/Expansion
 LOCATION: Branch County Memorial Airport
 CITY: Coldwater, MI
 DATE: 10-25-11
 PREPARED BY: RAL/RGN

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

WORK DESCRIPTION: Rehabilitate asphalt apron. Expand northwest apron edge, south apron edge, and connector taxiway. Construct one concrete parking pad, this does not include subbase improvements in the rehabilitation areas

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
Pulverizing	SY	5,950	\$ 1.50	\$ 8,925
Cold Milling	SY	1,450	\$ 3.00	\$ 4,350
Fine Grading	SY	5,950	\$ 1.50	\$ 8,925
Unclassified Excavation	CY	3,600	\$ 6.00	\$ 21,600
Sand Subbase (30")	CY	2,650	\$ 12.00	\$ 31,800
Gravel Base (6")	CY	530	\$ 30.00	\$ 15,900
Concrete Pavment (7")	SY	170	\$ 120.00	\$ 20,400
Concrete Sidewalk (4")	SY	110	\$ 15.00	\$ 1,650
Bituminous Pavement (4")	TON	2,300	\$ 65.00	\$ 149,500
Pavement Marking	LS	1	\$ 2,000.00	\$ 2,000
Soil Erosion & Sedimentation Controls	LS	1	\$ 1,000.00	\$ 1,000
Turfing and Mulching	AC	1	\$ 3,000.00	\$ 3,000
MITL	EA	14	\$ 1,000.00	\$ 14,000
Relocate TGS	EA	2	\$ 1,000.00	\$ 2,000
CIC	LF	2,000	\$ 2.50	\$ 5,000
Counterpoise	LF	2,000	\$ 2.50	\$ 5,000
Duct Extension	LF	35	\$ 20.00	\$ 700
				CONSTRUCTION TOTAL = \$ 315,750
				CONSTRUCTION CONTINGENCIES (10%) = \$ 31,575
				CONSTRUCTION TOTAL = \$ 347,325
				ENGINEERING DESIGN (7%) = NA
				CONSTRUCTION ADMIN (10%) = \$ 34,733
				\$ 382,058
				PROJECT YEAR BUDGET ESTIMATE = \$ 390,000



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: Taxiway Lighting
 LOCATION: Branch County Memorial Airport
 CITY: Coldwater, MI
 DATE: 06/28/11
 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	\$ 40,000.00	\$ 40,000
Safety and Security	LS	1	\$ 15,000.00	\$ 15,000
Cable, 5KV, CIC (incl. Counterpoise)	LF	35,000	\$ 3.50	\$ 122,500
Elec. Manhole	EA	5	\$ 5,000.00	\$ 25,000
Elec. Handhole	EA	20	\$ 1,500.00	\$ 30,000
Electrical Duct	LF	700	\$ 50.00	\$ 35,000
LED MITL	EA	250	\$ 900.00	\$ 225,000
Vault Equipment / Regulators	EA	1	\$ 50,000.00	\$ 50,000
Remove Reflectors	EA	250	\$ 40.00	\$ 10,000
Guidance / Hold Short Signs / Dist Remaining Signs	EA	12	\$ 3,000.00	\$ 36,000
Remove Guidance / Hold Short Signs / Dist Remaining Signs	EA	12	\$ 150.00	\$ 1,800
Turfing and Mulching	AC	4	\$ 3,000.00	\$ 12,000
CONSTRUCTION TOTAL =				\$ 602,300
CONSTRUCTION CONTINGENCIES (15%) =				\$ 90,345
CONSTRUCTION TOTAL =				\$ 692,645
ENGINEERING DESIGN (7%) =				\$ 48,485
CONSTRUCTION ADMIN (10%) =				\$ 69,265
				\$ 810,395
PROJECT YEAR BUDGET ESTIMATE =				\$ 820,000



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.

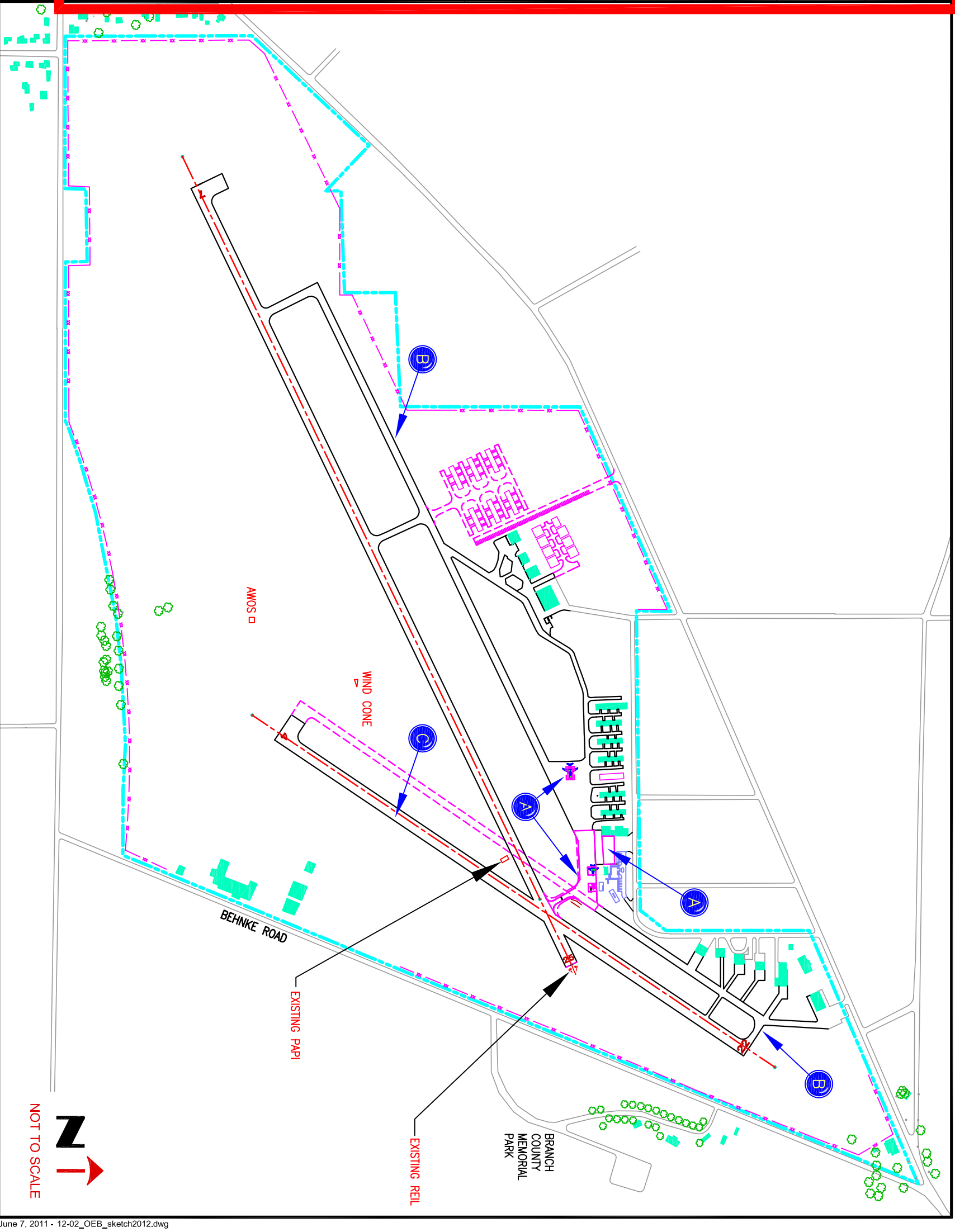
BRANCH COUNTY MEMORIAL AIRPORT COLDWATER, MICHIGAN

AIRPORT DEVELOPMENT PLAN - YEARS 2012 TO 2017



FAA IDENTIFIER: OEB
STATE ID: 12-02

YEAR - 2012	A	TERMINAL APRON REHABILITATION/ EXPANSION
YEAR - 2013		REIMBURSEMENT FOR TERMINAL BUILDING LOAN EXHIBIT A
YEAR - 2014		AIRPORT LAYOUT PLAN UPDATE
YEAR - 2015		DESIGN TAXIWAY LIGHTING
YEAR - 2016	B	TAXIWAY LIGHTING
YEAR - 2017	C	RUNWAY 4/22 REHABILITATION



Design By: RAL
Drawn By: BJH
Approved By: RGN