

MANISTEE COUNTY BLACKER AIRPORT  
MANISTEE, MICHIGAN

PROPOSED AIRPORT DEVELOPMENT  
FOR  
YEARS 2012 – 2021

Submitted by:

Barry Lind  
Barry Lind, Airport Manager

10/24/2011  
Date

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

Development Year	Project Description	SPRINT/AMPY (Type/Job)	ADP Code	SPRINT Program Category	Federal Commitments	Federal Appropriations	Federal Disbursements	State	Local	Total	Notes
2012	REHABILITATE TAXI STREETS/APRONS HANGAR AREA TAXIWAY #1*	YES	RETWIK	64	\$ 161,500			\$ 4,250	\$ 4,250	\$ 370,000	FDD (FD 23)
	NEW TUBULAR TOWER AND REBUSHED BEACON/REMOVE OLD TOWER	YES	STWLN	40	\$ 54,150			\$ 1,425	\$ 1,425	\$ 57,000	TOWER RELOCATION FOR NEW SRE BLDG, 30 YEAR OLD
	UPDATE EXHIBIT "A"	NA	PLMVA	64	\$ 7,600			\$ 200	\$ 200	\$ 8,000	
	TOTAL - 2012				\$ 223,250			\$ 5,875	\$ 5,875	\$ 235,000	
2013	SRE BUILDING, 5,800 S.F.	YES	STBDSN	38	\$ 319,200			\$ 8,600	\$ 8,600	\$ 336,000	STORAGE SPACE - EX. 2 TRUCKS/BLOWER/NEW SWEEPER
	SAND STORAGE BUILDING	YES	STBDSN	38	\$ 95,000			\$ 2,500	\$ 2,500	\$ 100,000	WEATHER CONDITIONS
	SRE LOADER SAND/SNOW BUCKET (ESTIMATE)	YES	STBDSN	45	\$ 242,500			\$ 3,750	\$ 3,750	\$ 150,000	WEATHER CONDITIONS
	UPDATE ALP	YES	PLMVA	64	\$ 76,000			\$ 2,000	\$ 2,000	\$ 80,000	EMERGENCY UPDATE 1997
	TOTAL - 2013				\$ 632,700			\$ 16,850	\$ 16,850	\$ 666,000	
2014	LAND ACQUISITION, APPROACH 27	YES	STOTOB	46	\$ 201,400			\$ 5,800	\$ 5,800	\$ 212,000	CLEAR APPROACH 34.1
	CLEARING TREES/ BUILDINGS APPROACH 27	YES	STOTOB	46	\$ 71,250			\$ 1,875	\$ 1,875	\$ 75,000	CLEAR APPROACH 34.1
	CO'S EXPAND TERMINAL BUILDING	YES	CATEEX	37	\$ 43,700			\$ 1,350	\$ 1,350	\$ 46,000	CURRENT DEMAND
	SRE SWEEPER	YES	STEQSN	45	\$ 346,750			\$ 9,125	\$ 9,125	\$ 365,000	WEATHER CONDITIONS
	TOTAL - 2014				\$ 663,100			\$ 17,150	\$ 17,150	\$ 698,000	
2015	EXPAND AIRLINE TERMINAL	YES	CATEEX	37	\$ 674,500			\$ 17,750	\$ 17,750	\$ 710,000	CURRENT DEMAND
	AIRFIELD REMARKING	YES	BERWIM	68	\$ 76,000			\$ 2,000	\$ 2,000	\$ 80,000	COMPLIANT WITH PART 139
	EAR TO EXTEND RUNWAY 27	YES	CARVEX	53	\$ 342,500			\$ 3,750	\$ 3,750	\$ 150,000	EXTEND RMY FOR R.J.'S
	TOTAL - 2015				\$ 893,000			\$ 23,500	\$ 23,500	\$ 940,000	
2016	EXTEND RUNWAY 28	YES	CARWEX	53	\$ 1,272,050			\$ 33,625	\$ 33,625	\$ 1,339,000	EXTEND RMY FOR R.J.'S
	RELOCATE GLIDESLOPE/MALS/R/PAPI	YES	STWLN	81	\$ 793,250			\$ 20,875	\$ 20,875	\$ 835,000	EXTEND RMY FOR R.J.'S
	REHABILITATE RUNWAY 9-27 AND TAXIWAYS	YES	RETWLN	70	\$ 924,350			\$ 24,325	\$ 24,325	\$ 973,000	
	REHABILITATE M.I. RUNWAY LIGHTS 9/27	YES	RETNLI	70	\$ 79,800			\$ 2,100	\$ 2,100	\$ 84,000	
	TOTAL - 2016				\$ 3,069,450			\$ 80,775	\$ 80,775	\$ 3,233,000	

Date prepared: 12/17/2011  
 Prepared by: Stephens/P&N  
 Sponsor email address: p.nelson@msd.state.mi.us  
 Home ADP file name: ADP - and use sheet 27/12  
 Remarks/Item Identification: Provide to each airport by package.

Airport Name: Manistee County Block Airport  
 Associated City: Manistee, MI  
 Sponsor: Manistee County Block Airport Authority  
 Airport Identifier: MBL

\*ADP includes current development and 2010 block development, unless otherwise specified.

**MICHIGAN STATE BLOCK GRANT PROGRAM  
TEN-YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2012\* to FY-2022**  
\*ACIP includes current development year 2010 already programmed - minor changes acceptable

Development Year	Project Description	Shown on ALP (Yes or No)	ADP Code**	NMA Priority Rating**	Federal Commitments	Federal Appropriation	Federal Discretionary	State	Local	Total	Comments
Airport Name: Manistee County Bickler Airport Associated City: Manistee, MI Station: Manistee County Bickler Airport Authority Airport Identifier: MBL											
Date prepared: 12/8/2011 Prepared by: SP010307/P&N Sponsor's office address: 3, 3000 FUND ADP Use as NOTATED. No later than 12/31/10 www.mycip.com/health/cip.htm - entered as much detail as possible.											
2017	REHABILITATE TAXIWAY A	YES	RETWIN	64	\$ 484,500			\$ 12,750	\$ 12,750	\$ 510,000	EXISTING PAVEMENTS WILL HAVE BEEN
	REHABILITATE G.A. APRON	YES	REAPIM	40	\$ 142,500			\$ 1,825	\$ 1,825	\$ 146,150	IN SERVICE 30+ YEARS
	<b>TOTAL - 2017</b>				\$ 627,000			\$ 14,575	\$ 14,575	\$ 656,150	
2018	EXPAND TERMINAL APRON	YES	RETWIN	66	\$ 380,000			\$ 10,000	\$ 10,000	\$ 400,000	SUBJECT TO NEW ALP
	THE DOWN APRON	YES	RETWIN	66	\$ 114,000			\$ 3,000	\$ 3,000	\$ 120,000	
	<b>TOTAL - 2018</b>				\$ 494,000			\$ 13,000	\$ 13,000	\$ 520,000	
2019	AIRFIELD MARKING	YES	STDIM	44	\$ 66,500			\$ 1,750	\$ 1,750	\$ 70,000	
	SRE PLOW TRUCK	YES	STEGSN	47	\$ 190,000			\$ 5,000	\$ 5,000	\$ 200,000	
	<b>TOTAL - 2019</b>				\$ 256,500			\$ 6,750	\$ 6,750	\$ 270,000	
2020	REHABILITATE RUNWAY 18-36	YES	RERWIM	70	\$ 285,000			\$ 7,500	\$ 7,500	\$ 300,000	
	T-HANGARS	YES	STBDMS	32	\$ 475,000			\$ 12,500	\$ 12,500	\$ 500,000	
	<b>TOTAL - 2020</b>				\$ 760,000			\$ 20,000	\$ 20,000	\$ 800,000	
2021	ARFF EQUIPMENT	YES	STEGSN	47	\$ 760,000			\$ 20,000	\$ 20,000	\$ 800,000	
	EXPAND CAR PARKING LOT	YES	CAGTEX	46	\$ 285,000			\$ 7,500	\$ 7,500	\$ 300,000	
	<b>TOTAL - 2021</b>				\$ 1,045,000			\$ 27,500	\$ 27,500	\$ 1,100,000	
2022	AIRFIELD MARKING	YES	STDIM	44	\$ 76,000			\$ 2,000	\$ 2,000	\$ 80,000	COMPLIANCE WITH PART 139
	SNOW BLOWER		STEGSN	47	\$ 475,000			\$ 12,500	\$ 12,500	\$ 500,000	
	<b>TOTAL - 2022</b>				\$ 551,000			\$ 14,500	\$ 14,500	\$ 580,000	



**ENGINEER'S COST ESTIMATE**

AIRPORT NAME: MANISTEE COUNTY BLACKER AIRPORT DATE: October 12, 2012

LOCATION: MANISTEE, MI PEI JOB NO. 1186

FEDERAL PROJECT NO: \_\_\_\_\_ STATE CONTRACT NO: \_\_\_\_\_

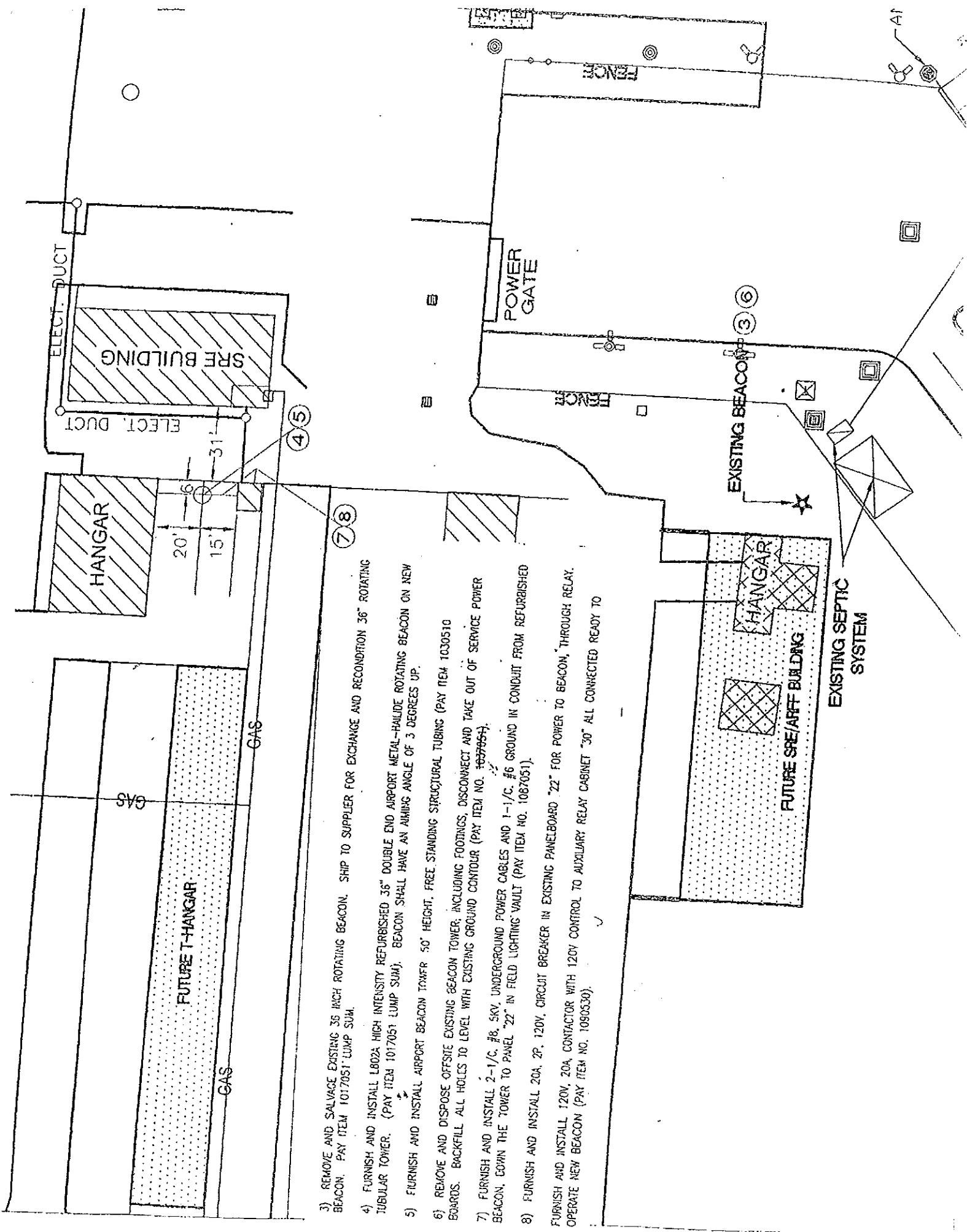
DESCRIPTION OF WORK: REHABILITATE TAXI STREETS, APRON HANGAR AREA AND REHABILITATE A PORTION OF TAXIWAY "F"

**ESTIMATE BASED UPON:**

JUDGEMENT ESTIMATE: \_\_\_\_\_ PRE-PLANS: \_\_\_\_\_ DETAIL CONSTRUCTION PLANS: X

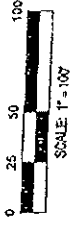
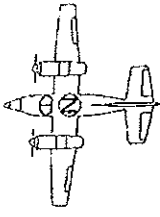
LINE NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	QUANT.	UNIT PRICE	AMOUNT:
1	1000400	MOBILIZATION AND GENERAL CONDITIONS	L.SUM			\$ 10,000.00
2	1000410	SAFETY & SECURITY	L.SUM			\$ 2,478.00
3	1520410	UNCLASSIFIED EXCAVATION	C.YD	300	\$ 5.00	\$ 500.00
4	2080545	AGGREGATE BASE COURSE, MATERIAL AS SPECIFIED, COMPACTED IN PLACE	C.YD	104	\$ 40.00	\$ 4,440.00
5	2080549	REPAIRING EXISTING AGGREGATE BASE COURSE	S.YD	7,756	\$ 3.00	\$ 15,512.00
6	4000531	COLD MILL BITUMINOUS PAVEMENT, SPECIFIED THICKNESS	S.YD	10,676	\$ 2.00	\$ 16,014.00
7	4110620	BITUMINOUS AGGREGATE SURFACE COURSE, 20AAX COMPOSITION	TONS	1,291	\$ 70.00	\$ 90,370.00
8	6030515	BITUMINOUS TACK COAT, SPECIFIED EMULSIFIED ASPHALT	GAL	292	\$ 2.00	\$ 600.00
9	6200535	AIRPORT PAVEMENT MARKING, SOLID YELLOW WITH REFLECTIVE BEADS	S.FT	3,286	\$ 0.50	\$ 3,286.00
10	8007002	MISC. CONSTRUCT EARTH SHOULDER, AS SPECIFIED	STA.	33	\$ 100.00	\$ 1,600.00
11	9010511	TURFING WITH STANDARD MIXTURE B	ACRE	0.60	\$ 1,000.00	\$ 600.00
12	9080515	WOOD FIBER MULCH	ACRE	0.60	\$ 1,000.00	\$ 600.00

TOTAL ESTIMATED CONSTRUCTION:	\$ 146,000.00
TOTAL ESTIMATED ENGINEERING:	\$ 22,000.00
TOTAL ESTIMATED ADMINISTRATION:	\$ 2,000.00
<b>TOTAL ESTIMATED COST:</b>	<b>\$ 170,000.00</b>



- 3) REMOVE AND SALVAGE EXISTING 36 INCH ROTATING BEACON. SHIP TO SUPPLIER FOR EXCHANGE AND RECONDITION 36" ROTATING BEACON. PAY ITEM 1017051 LUMP SUM.
- 4) FURNISH AND INSTALL L802A HIGH INTENSITY REFURBISHED 36" DOUBLE END AIRPORT METAL-HALIDE ROTATING BEACON ON NEW TUBULAR TOWER. (PAY ITEM 1017051 LUMP SUM). BEACON SHALL HAVE AN AIMING ANGLE OF 3 DEGREES UP.
- 5) FURNISH AND INSTALL AIRPORT BEACON TOWER 50' HEIGHT, FREE STANDING STRUCTURAL TUBING (PAY ITEM 1030510 BOARDS. BACKFILL ALL HOLES TO LEVEL WITH EXISTING GROUND CONTOUR (PAY ITEM NO. 1037864).
- 7) FURNISH AND INSTALL 2-1/C. #8, SKV, UNDERGROUND POWER CABLES AND 1-1/C. #6 GROUND IN CONDUIT FROM REFURBISHED BEACON, DOWN THE TOWER TO PANEL "22" IN FIELD LIGHTING VAULT (PAY ITEM NO. 1087051).
- 8) FURNISH AND INSTALL 20A, 2P, 120V, CIRCUIT BREAKER IN EXISTING PANELBOARD "22" FOR POWER TO BEACON, THROUGH RELAY. FURNISH AND INSTALL 120V, 20A, CONTACTOR WITH 120V CONTROL TO AUXILIARY RELAY CABINET "30" ALL CONNECTED READY TO OPERATE NEW BEACON (PAY ITEM NO. 1090530).





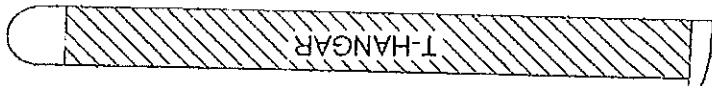
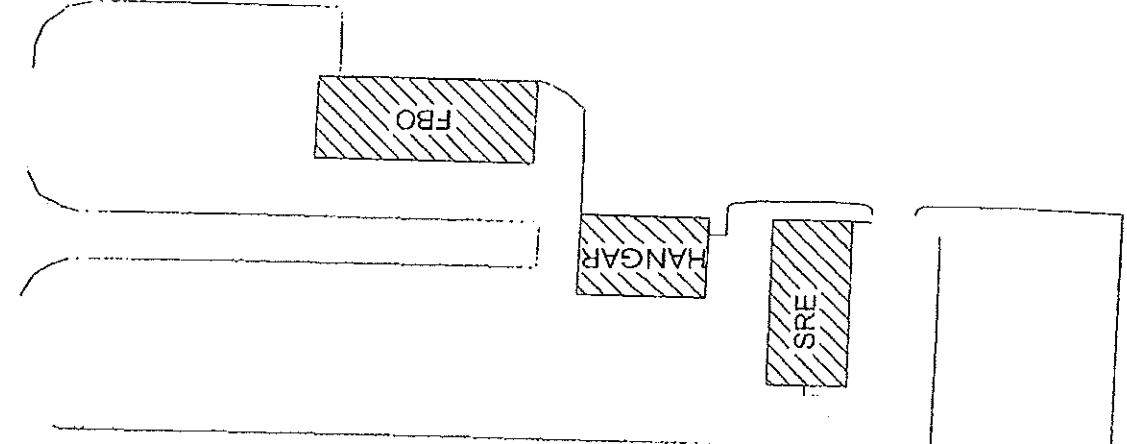
2011 PROGRAM



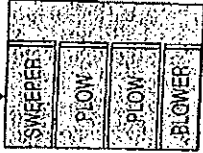
SRE BUILDING



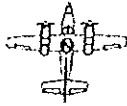
SAND STORAGE BUILDING



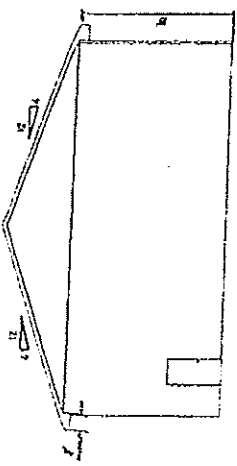
FUTURE SRE/ARFF BUILDING



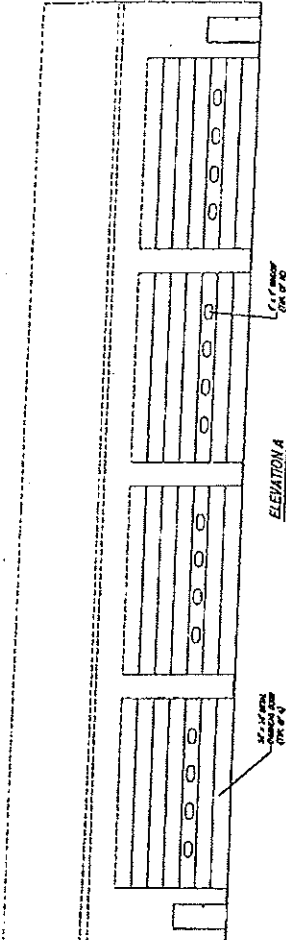
MANISTEE COUNTY BLACKER AIRPORT



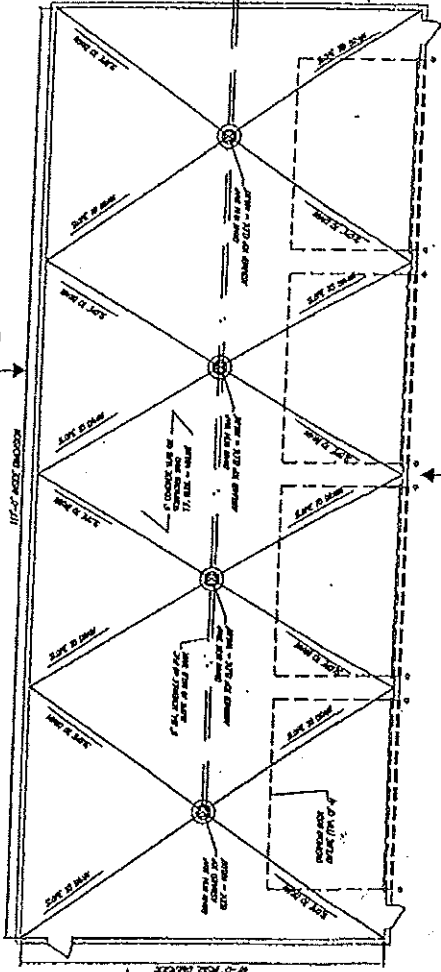
SCALE 1/8" = 1'



ELEVATION D

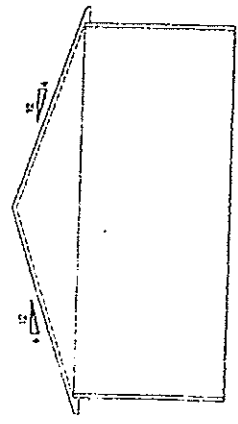


ELEVATION A

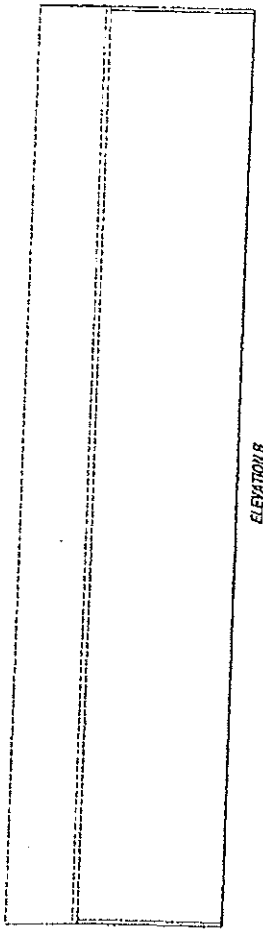


FLOOR PLAN  
ASSUMED F.F. ELEV. = 100.50'

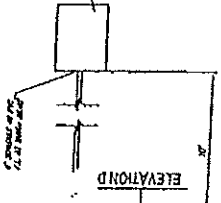
ELEVATION C



ELEVATION B

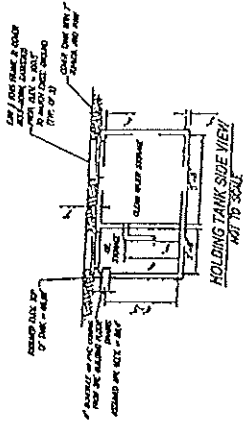


ELEVATION D

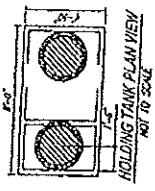


ELEVATION E

NOTE: THIS DRAWING IS FOR INFORMATION ONLY. IT IS NOT TO BE USED FOR CONSTRUCTION.



HOLDING TANK SIDE VIEW  
NOT TO SCALE



HOLDING TANK PLAN VIEW  
NOT TO SCALE

2011 PROGRAM

SRE STORAGE BUILDING







Manistee County Property Search

Parcel Number 07-135-006-00



Close This Window | <Previous | Next>

Manistee County Parcel Information for 2011 Assessment Year  
Manistee Township, Manistee County

**Owner Name(s):** ADAMCZAK ROBERT J & MARILYN

**Owner Address:** 318 CONDON RD  
MANISTEE, MI 49660

**Parcel Address:** 4047 RIVER RD

Property Information

**Property Class:** 101 - AGRICULTURAL IMPROVED

**School District:** 51070 - MANISTEE

**Current Homestead %:** 100%

**Current Assessment:** \$83,000

**Current S.E.V.:** \$83,000

**Current Taxable Value:** \$16,568

**Last Year's Assessment:** \$78,500

**Last Year's S.E.V.:** \$78,500

**Last Year's Taxable Value:** \$16,292

Property Sale Information

Sale Date	Sale Amount
4/1/1987	\$0.00

Tax Roll Description

W 1/2 OF NW 1/4 OF NW 1/4, + SW 1/4 OF NW 1/4 SEC 35 T22N R16W 59.5 A\*M/L

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**ENGINEER'S COST ESTIMATE**

AIRPORT NAME: MANISTEE COUNTY BLACKER AIRPORT

DATE: October 12, 2011

LOCATION: MANISTEE, MI

PEI JOB NO. PROGRAM

FEDERAL PROJECT NO: \_\_\_\_\_

STATE CONTRACT NO: \_\_\_\_\_

DESCRIPTION OF WORK: LAND ACQUISITION, APPROACH 27

ESTIMATE BASED UPON:

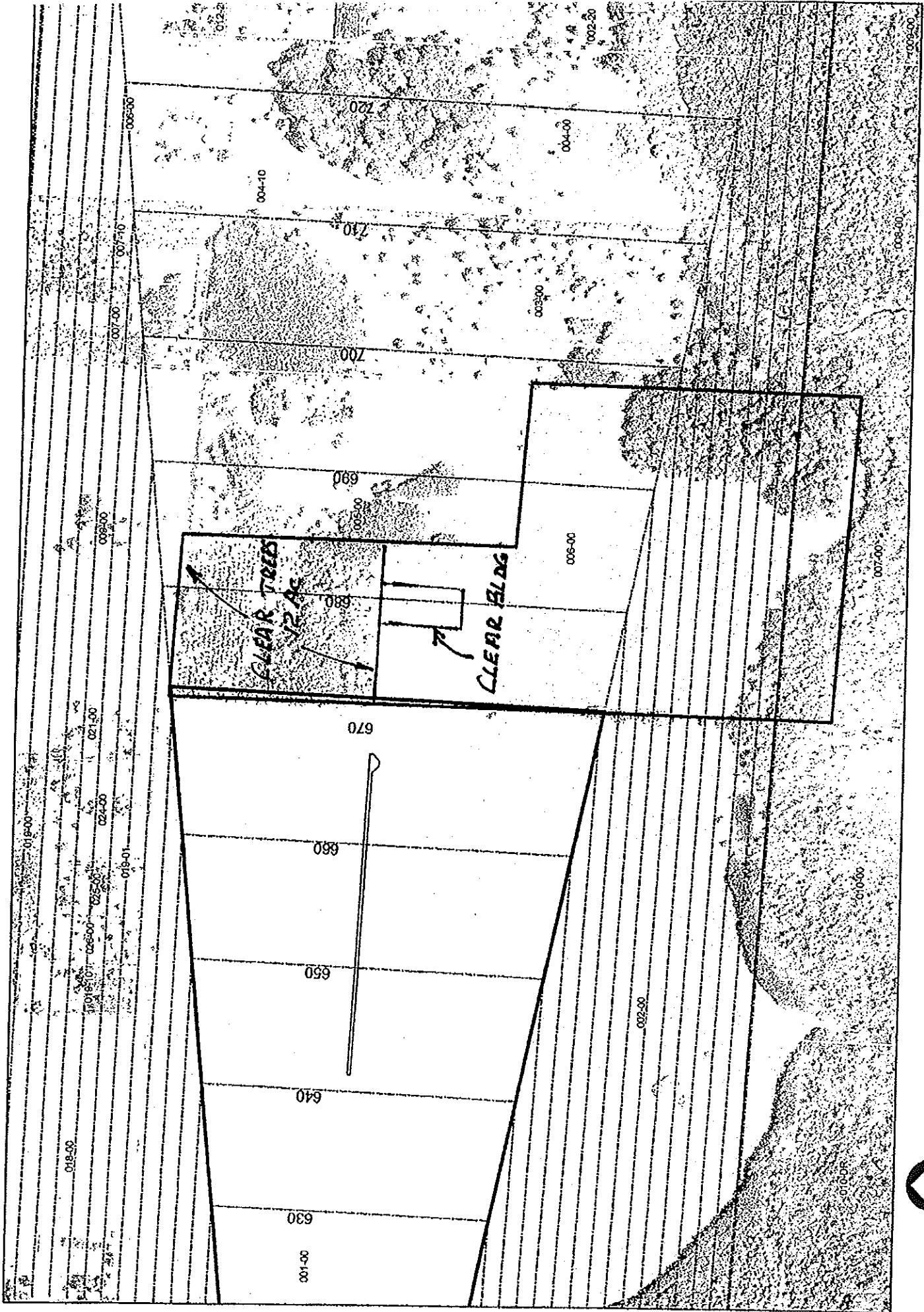
JUDGEMENT ESTIMATE: X

PRE-PLANS: \_\_\_\_\_

DETAIL CONSTRUCTION PLANS: \_\_\_\_\_

LINE NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	QUANT.	UNIT PRICE	AMOUNT:
1		PARCEL NO. 07-135-006-00 PROPERTY CLASS-AGR. IMPROVED, CURRENT ASSESSED VALUE \$83,000. W 1/2 OF NW 1/4 OF NW 1/4, SEC 35, T22N RT6W, 59.5 ACRES. ESTIMATED COST \$83,000 X 2				\$ 166,000.00
2		ESTIMATED ACQUISITION (10%)				\$ 16,000.00
3		ESTIMATED RELOCATION (15%)				\$ 25,000.00
4		LEGAL FEES				\$ 5,000.00

TOTAL ESTIMATED CONSTRUCTION:	\$ 212,000.00
TOTAL ESTIMATED ENGINEERING:	
TOTAL ESTIMATED ADMINISTRATION:	
<b>TOTAL ESTIMATED COST:</b>	<b>\$ 212,000.00</b>



MANISTEE COUNTY BLACKER AIRPORT  
Manistee County, MI

**RUNWAY 9/27 EXTENSION - EXISTING RUNWAY**

Prin.&Newhof



SCALE: 1" = 500'

**ENGINEER'S COST ESTIMATE**

AIRPORT NAME: MANISTEE COUNTY BLACKER AIRPORT

DATE: October 12, 2011

LOCATION: MANISTEE, MI

PEI JOB NO. PROGRAM

FEDERAL PROJECT NO: \_\_\_\_\_

STATE CONTRACT NO: \_\_\_\_\_

DESCRIPTION OF WORK: CLEARING TREES AND BUILDINGS APPROACH 27

**ESTIMATE BASED UPON:**

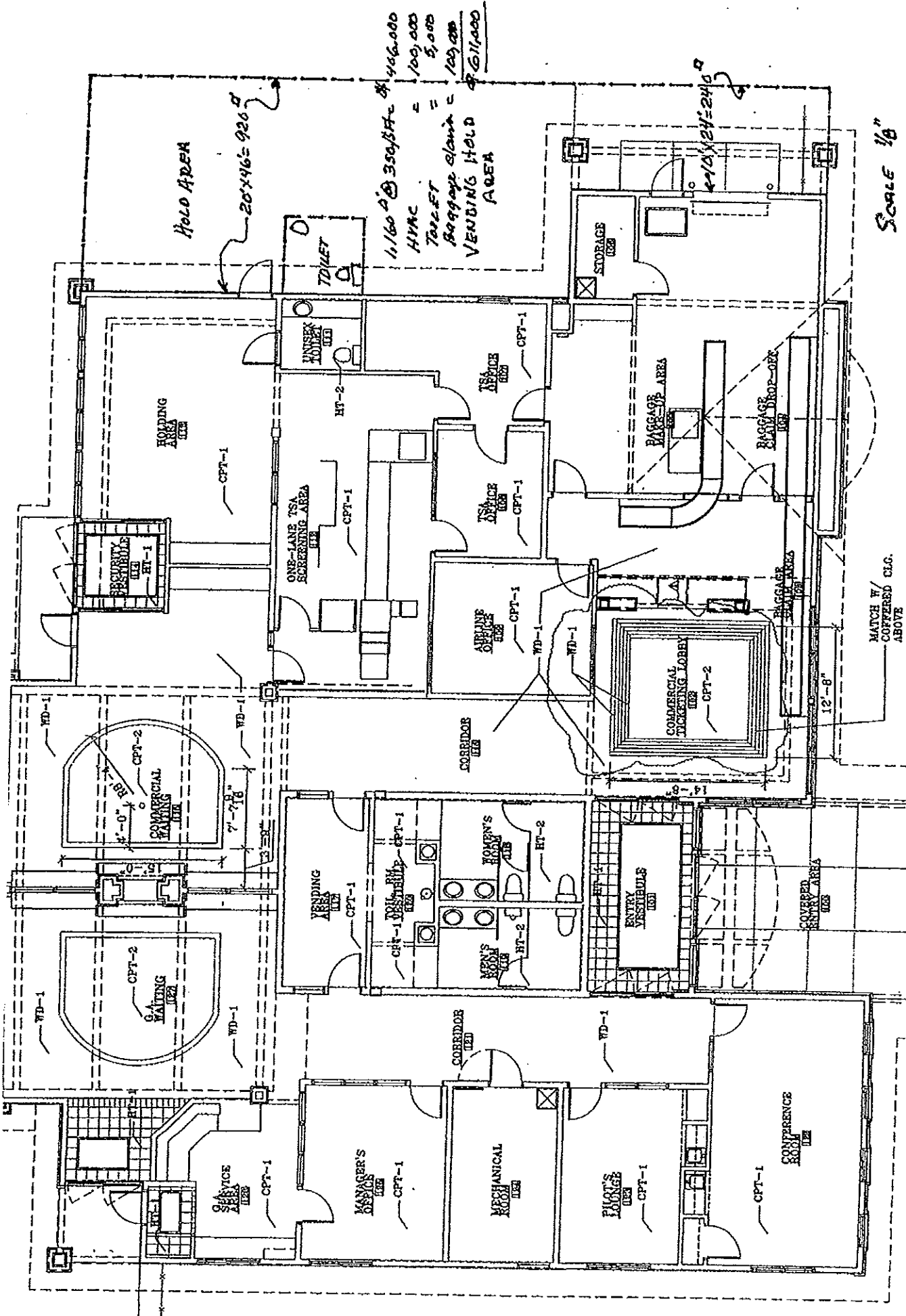
JUDGEMENT ESTIMATE:  X

PRE-PLANS: \_\_\_\_\_

DETAIL CONSTRUCTION PLANS: \_\_\_\_\_

LINE NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	QUANT.	UNIT PRICE	AMOUNT:
1		CLEARING AND GRUBBING	12	ACRES	\$ 2,500.00	\$ 30,000.00
2		TILLING AND LEVELING	12	ACRES	\$ 100.00	\$ 1,200.00
3		TURFING	12	ACRES	\$ 500.00	\$ 6,000.00
4		MULCHING	12	ACRES	\$ 500.00	\$ 6,000.00
5		BUILDING REMOVAL	4	EACH	\$ 5,000.00	\$ 20,000.00

TOTAL ESTIMATED CONSTRUCTION:	\$	63,200.00
TOTAL ESTIMATED ENGINEERING:	\$	9,800.00
TOTAL ESTIMATED ADMINISTRATION:	\$	2,000.00
<b>TOTAL ESTIMATED COST:</b>	<b>\$</b>	<b>75,000.00</b>



11/60 @ 350 SF/c = 446,000  
 HVAC = 100,000  
 TOWER FT = 5,000  
 Baggage claim = 100,000  
 VENDING HOLD = 611,000

4'-10" x 24' = 240'

SCALE 1/8"

MATCH W/  
COVERED CLG.  
ABOVE

**FAXED**  
9-30-11

To Barry Lind

BBP

**ENGINEER'S COST ESTIMATE**

AIRPORT NAME: MANISTEE COUNTY BLACKER AIRPORT

DATE: October 12, 2011

LOCATION: MANISTEE, MI

PEI JOB NO.                      PROGRAM                     

FEDERAL PROJECT NO:                      STATE CONTRACT NO:                     

DESCRIPTION OF WORK: EXPAND AIRLINE TERMINAL; HOLD AREA/HVAC/TOILET/BAGGAGE CLAIM

ESTIMATE BASED UPON:

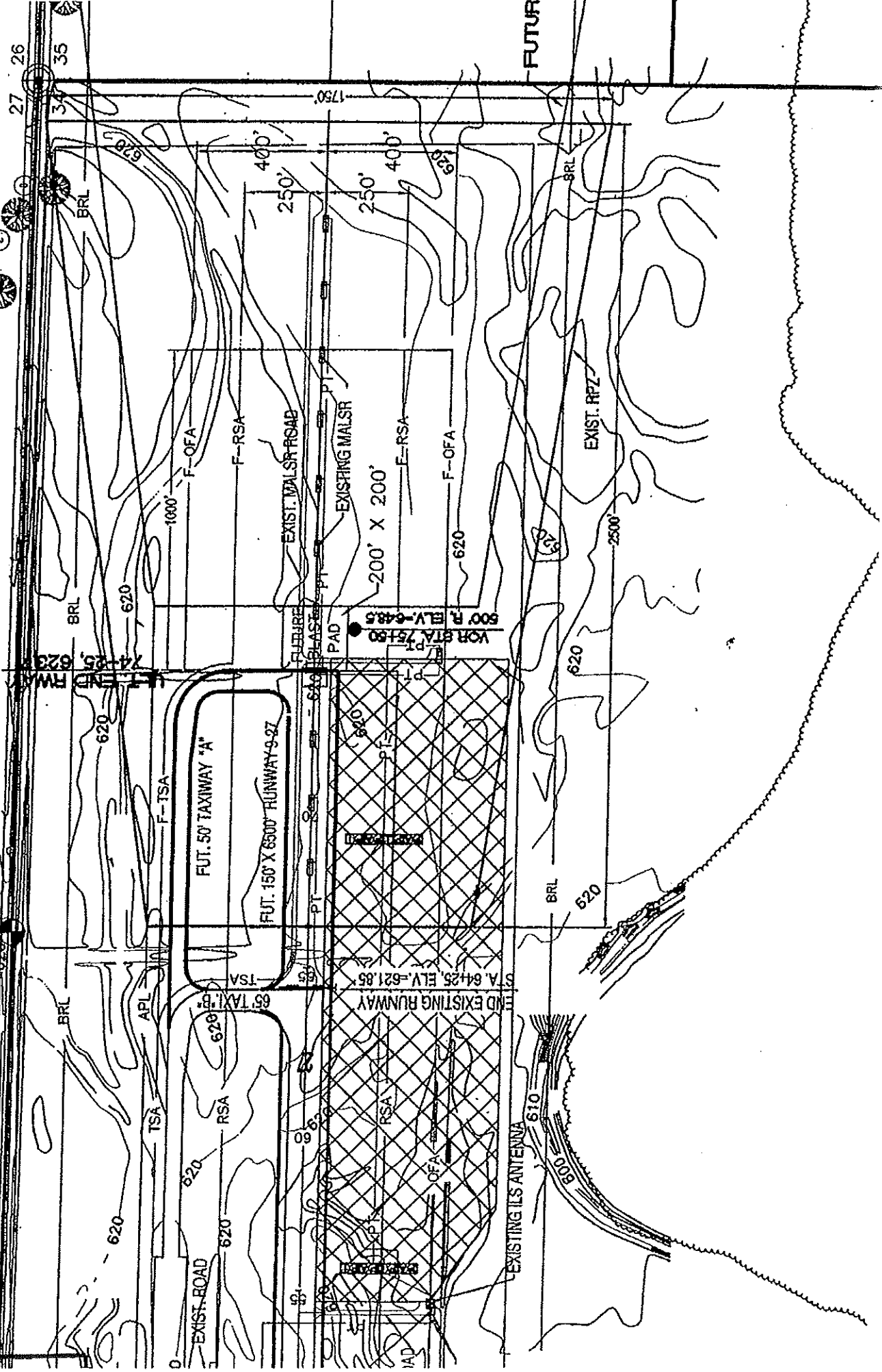
JUDGEMENT ESTIMATE:   X   PRE-PLANS:                      DETAIL CONSTRUCTION PLANS:                     

LINE NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	QUANT.	UNIT PRICE	AMOUNT:
1		HOLD AREA/VENDING	1160	S.FT.	\$ 350.00	\$ 406,000.00
2		HVAC	L.SUM			\$ 100,000.00
3		TOILET	L.SUM			\$ 5,000.00
4		BAGGAGE CLAIM	L.SUM			\$ 100,000.00

TOTAL ESTIMATED CONSTRUCTION:	\$ 611,000.00
TOTAL ESTIMATED ENGINEERING:	\$ 91,000.00
TOTAL ESTIMATED ADMINISTRATION:	\$ 8,000.00
<b>TOTAL ESTIMATED COST:</b>	<b>\$ 710,000.00</b>

ROAD 66' ROW

- ①
- ②
- ③



PECKHAM ENGINEERING, INC.  
 1220 Airport Access Road  
 G.A. Terminal  
 Traverse City, MI 49686  
 Phone 231-946-2394

## ENGINEER'S COST ESTIMATE

Location Manistee County Blacker Airport Date 8-24-10  
 Description of Work Extend Runway 27, 1,000 Ft. X 150 Ft. and Parallel Taxiway 50 Ft. X 1,400 Ft. (25,000 S. Yd.)

Project No. \_\_\_\_\_ Contract No. \_\_\_\_\_ Our Job No. \_\_\_\_\_  
 Estimate Based Upon: Judgment Est. X Pre. Plans \_\_\_\_\_ Detail Constr. Plans \_\_\_\_\_

Line No.	Spec. No.	Item	Quantity	Unit	Unit Price	Amount
1	1000400	Mobilization and General Conditions		L. Sum		80,000.00
2	1000410	Safety and Security		L. Sum		10,050.00
3	1080515	Cable Trench 18" & Less Width, 36" Depth	6,000	L. Ft.	2.00	12,000.00
4	1080530	Bare Counterpoise Wire, #8 Stranded, In Trench or Duct	6,000	L. Ft.	1.00	6,000.00
5	1080587	Underground Cable, 1/C, #8, 5000V, L824, Type B or C, In Trench or Duct	8,000	L. Ft.	1.50	12,000.00
6	1100544	Galvanized Steel Conduit, 6 Bank, 2" Direct Burial	200	L. Ft.	40.00	8,000.00
7	1250521	High Intensity Runway Light, L862, HIRL, 30" High, 6.6A, Base Mount, Complete Except Lens & Lamp	18	Each	600.00	10,800.00
8	1250531	Lens & Lamp for HIRL, Type L862	18	Each	50.00	900.00
9	1250553	Remove Existing High Intensity Base Mounted Light	8	Each	250.00	2,000.00
10	1250590	Medium Intensity Edge Light L861, (MIRL/MITL), 30" High, 6.6A, Base Mount Complete	40	Each	500.00	20,000.00
11	1250630	Lens & Lamp for MITL, Type L861T	40	Each	50.00	2,000.00
12	1250716	Taxiway Guidance Sign, Double Face, L-858, 4' Nominal Width	4	Each	1,500.00	6,000.00
13	1520410	Unclassified Excavation	60,000	C. Yd.	3.50	210,000.00
14	1540515	Subbase Course, Material as Specified, Compacted Measure	6,000	C. Yd.	30.00	180,000.00
15	4020501	Porous Friction Course, 1/2" Aggregate	1,200	Ton	100.00	120,000.00
16	4110631	Bituminous Aggregate Surface Course, 20AAA Composition	6,000	Ton	65.00	390,000.00













