

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

\*ACIP includes current development year (2012 already programmed - minor changes acceptable)

Airport Name: Schoolcraft County Airport											Date prepared: 8/19/11 (revised 11/11/11, re-sent 12/7/11)
Associated City: Manistique											Prepared By: Roger Marks, C2AE
Sponsor: Schoolcraft County											Sponsor email address & phone: James Hursey, Manager
Airport Identifier: KISQ											<b>906-341-5522 ksq@centurytel.net</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	Update ALP and Update Exhibit A	yes	PLPLMA	62	\$ 85,500			\$ 2,250	\$ 2,250	\$ 90,000	The last airspace study was conducted 40 years ago and the current ALP is plan-on-file only
2013 A	Install AWOS Replacement	yes	STEQWX	42	\$ 57,000			\$ 1,500	\$ 1,500	\$ 60,000	Existing equipment is past its service life, becoming unreliable, and in need of replacement
2013 B	Rehabilitate Terminal	yes	CATEIM	39	\$ 95,000			\$ 2,500	\$ 2,500	\$ 100,000	HVAC system, windows, doors, insulation are in need of replacement to keep the building functional
2014	Install 10' Fencing - Runway Safety - Animal Control	yes	STEQSE	38	\$ 62,500		\$ 395,400	\$ 12,050	\$ 12,050	\$ 482,000	Safety fencing is needed to prevent runway incursions from deer and ORVs
2015	Land Acquisitions for RPZ Control	yes	STLASZ	41	\$ 104,500				\$ 5,500	\$ 110,000	Parcels E-11 and E-19 on the Exhibit A require further acquisition to control the west and south RPZ areas
2016 A	Conduct User Survey	yes	PLPLMA	64	\$ 9,500			\$ 250	\$ 250	\$ 10,000	User survey is needed to verify justification for upcoming runway extension
2016 B	Rehabilitate Fuel Facility (pumps and equipment)	yes	OTOTFF	17	\$ 47,025			\$ 1,238	\$ 1,238	\$ 49,500	Equipment is aged and in need of replacement for proper operation
2017	Conduct EA and Preliminary Design - Runway 1/19 Extension	no	ENPLMA	62	\$ 95,000			\$ 2,500	\$ 2,500	\$ 100,000	EA is required prior to runway extension
2018	Acquire SRE - Snow Blower	n/a	STEQSN	44	\$ 57,000			\$ 1,500	\$ 1,500	\$ 60,000	Blower is needed to keep runway open during heavy snow events
2019	Extend Runway 1/19	no	CARWEX	51	\$ 237,500			\$ 6,250	\$ 6,250	\$ 250,000	User survey warrants extension of cross-wind runway for wind coverage
2020	Rehabilitate Runway 10/28	yes	RERWIM	66	\$ 210,500		\$ 1,214,500	\$ 37,500	\$ 37,500	\$ 1,500,000	Extension justification is pending user survey. Runway is approximately 20 years old. Surface is in need of ref
2021	Install 10' Fencing - Runway Safety - Animal Control - Part 2	no	SAEQSE	38	\$ 150,000		\$ 230,000	\$ 10,000	\$ 10,000	\$ 400,000	Continued from 2014, safety fencing is needed to prevent runway incursions from deer and ORVs
2022	Install 10' Fencing - Runway Safety - Animal Control - Part 3	no	SAEQSE	38	\$ 150,000		\$ 230,000	\$ 10,000	\$ 10,000	\$ 400,000	Continued from 2021, safety fencing is needed to prevent runway incursions from deer and ORVs

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

TEN-YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2012\* to FY-2022  
Schoolcraft County Airport  
KISQ  
2012

Update ALP and Update Exhibit A

	<b>Item</b>	<b>Unit Price</b>	<b>Quantity</b>	<b>Unit</b>	<b>Amount</b>
	ALP Update				\$ 80,000
	Exhibit A Update				\$ 10,000
<hr/>					
			Subtotal		\$ 90,000
			Contingencies		\$ -
<hr/>					
			Total Cost Opinion		\$ 90,000

TEN-YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2012\* to FY-2022  
Schoolcraft County Airport  
KISQ  
2013

Install AWOS Replacement

Item	Unit Price	Quantity	Unit	Amount
Mobilization and General Conditions	\$ 2,000	1	Lump Sum	\$ 2,000
Safety and Security	\$ 1,000	1	Lump Sum	\$ 1,000
Replacement AWOS Equipment	\$ 50,000	1	Lump Sum	\$ 50,000
Subtotal Construction				\$ 53,000
Engineering, Legal, Contingencies				13% \$ 7,000
Total Cost Opinion				\$ 60,000

Rehabilitate Terminal

Item	Unit Price	Quantity	Unit	Amount
Mobilization and General Conditions	\$ 1,000	1	Lump Sum	\$ 1,000
Safety and Security	\$ 2,000	1	Lump Sum	\$ 2,000
HVAC Allowance	\$ 20,000	1	Lump Sum	\$ 20,000
Windows and Doors Allowance	\$ 10,000	1	Lump Sum	\$ 10,000
Flooring Allowance	\$ 8,000	1	Lump Sum	\$ 8,000
Office Allowance	\$ 2,000	1	Lump Sum	\$ 2,000
Roofing Allowance	\$ 20,000	1	Lump Sum	\$ 20,000
Interior Finishes Allowance	\$ 5,000	1	Lump Sum	\$ 5,000
Exterior Finishes Allowance	\$ 15,000	1	Lump Sum	\$ 15,000
Subtotal Construction				\$ 83,000
Engineering, Legal, Contingencies				20% \$ 17,000
Total Cost Opinion				\$ 100,000

TEN-YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2012\* to FY-2022  
 Schoolcraft County Airport  
 KISQ  
 2014

Install 10' Fencing - Runway Safety - Animal Control

Item	Unit Price	Quantity	Unit	Amount
Mobilization and General Conditions	\$ 1,000	1	Lump Sum	\$ 1,000
Safety and Security	\$ 2,000	1	Lump Sum	\$ 2,000
Chain Link Fence, 10'	\$ 34	12,000	Lft	\$ 408,000
20' Double-Leaf Gate, Chain Link, 10'	\$ 3,000	4	Ea	\$ 12,000
Subtotal Construction				\$ 423,000
Engineering, Legal, Contingencies				14% \$ 59,000
Total Cost Opinion				\$ 482,000

TEN-YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2012\* to FY-2022  
 Schoolcraft County Airport  
 KISQ  
 2015

Land Acquisitions for RPZ Control

Item	Unit Price	Quantity	Unit	Amount
West RPZ	\$ 50,000	1	Lump Sum	\$ 50,000
East RPZ	\$ 50,000	1	Lump Sum	\$ 50,000
Subtotal				\$ 100,000
Engineering, Legal, Contingencies				10% \$ 10,000
Total Cost Opinion				\$ 110,000

TEN-YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2012\* to FY-2022  
 Schoolcraft County Airport  
 KISQ  
 2016

Conduct User Survey

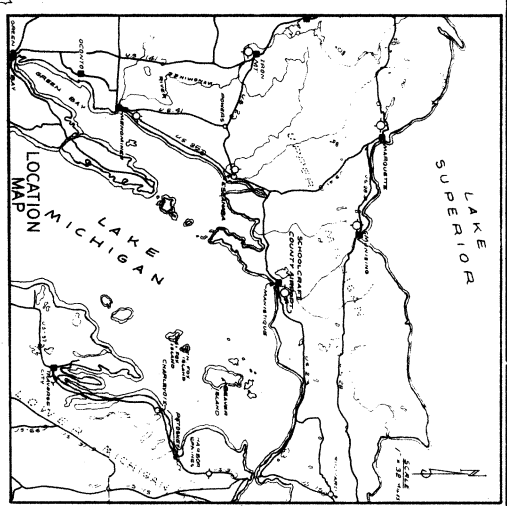
Item	Unit Price	Quantity	Unit	Amount
User Survey				\$ 10,000
Subtotal				\$ 10,000
Contingencies				\$ -
Total Cost Opinion				\$ 10,000

Rehabiliate Fuel Facility (pumps and equipment)

Item	Unit Price	Quantity	Unit	Amount
Mobilization and General Conditions	\$ 1,000	1	Lump Sum	\$ 1,000
Safety and Security	\$ 500	1	Lump Sum	\$ 500
Demolition	\$ 3,000	1	Lump Sum	\$ 3,000
Fuel Facility Construction	\$ 40,000	1	Lump Sum	\$ 40,000
Subtotal Construction				\$ 44,500
Engineering, Legal, Contingencies				11% \$ 5,000
Total Cost Opinion				\$ 49,500

NOTE  
 RELIABLE WIND DATA NOT AVAILABLE  
 FOR THIS AREA. SEE MASTER PLAN  
 REPORT FOR 6 MONTHS WIND ROSE

NOTE  
 FUTURE DEVELOPMENT OF AIRPORT  
 TO INCLUDE REMOVAL OF OBSTRUCTIONS  
 TO MEET CURRENT FAA PART 77 STANDARDS

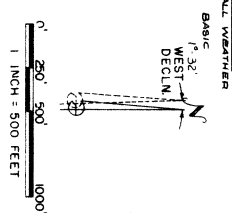


LEGEND

---	EXISTING PAVEMENT
---	FUTURE PAVEMENT
---	EXISTING PROPERTY LINE
---	FUTURE PROPERTY LINE
---	EXISTING CLEAR ZONE
---	FUTURE CLEAR ZONE
---	EXISTING EASEMENTS

1. E.T. Lot 45-58-35 Long 88-0-28

GEN. UTILITY	BASE	TRANSVERSE	ELEV.	E. SY.	AIRPORT	684	TP	MANUSCRIPT	DATE
14	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
15	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
16	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
17	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
18	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
19	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
20	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
21	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
22	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
23	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
24	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
25	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
26	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
27	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
28	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
29	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
30	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
31	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
32	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
33	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
34	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
35	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
36	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
37	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
38	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
39	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
40	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
41	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
42	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
43	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
44	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
45	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
46	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
47	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
48	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
49	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5
50	1500	3200	3200	3200	BIT	1 1/2"	50'	7.5	12.5



2013  
 INSTALL AWOS  
 EQUIPMENT

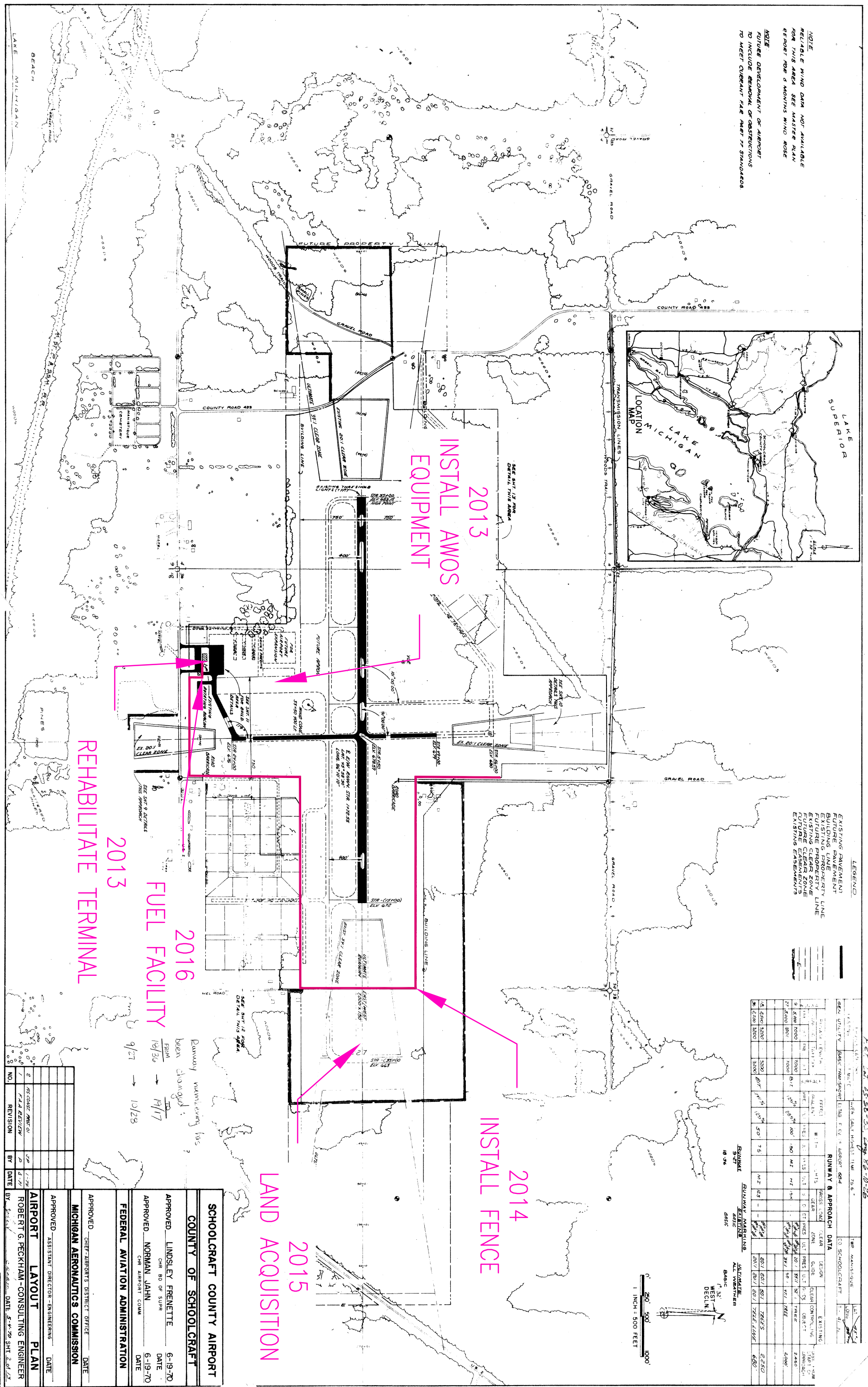
2013  
 REHABILITATE TERMINAL

2016  
 FUEL FACILITY

2014  
 INSTALL FENCE

2015  
 LAND ACQUISITION

Runway numbering has  
 been changed:  
 19/36 → 17/17  
 9/27 → 10/28



NO.	REVISION	BY	DATE
1	FIELD REVIEW	RF	1-27
2	REV. COORD. (REV. 01)	RF	1-27

SCHOOLCRAFT COUNTY AIRPORT	
COUNTY OF SCHOOLCRAFT	
APPROVED	LINDSEY FRENETTE 6-19-70
	CH. BO. OF SUPR.
APPROVED	NORMAN JAHN 6-19-70
	CH. AIRPORT COMM.
FEDERAL AVIATION ADMINISTRATION	
APPROVED	CHIEF AIRPORTS DISTRICT OFFICE
MICHIGAN AERONAUTICS COMMISSION	
APPROVED	ASSISTANT DIRECTOR - ENGINEERING
AIRPORT LAYOUT PLAN	
ROBERT G. PECKHAM - CONSULTING ENGINEER	
DATE	5-4-79 SHT. 2 OF 2

FILE NO. 75-2