

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW10 CLIMB TO 2700 DIRECT IVODY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 277.13 INBOUND. CHART FAS OBST: 809 BUILDING 432551N/0835626W DISTANCE TO THLD FROM 200 HAT: 0.49 NM. CHART VDP AT 1.36 NM TO RW10* *LNAV ONLY. WAAS CHANNEL # 50200 REFERENCE PATH ID: W10A CHART CIRCLING ICON. LTP HAE: 148.1 M								
MBS VOR/DME	CULAK (TF) (FO) (RNP 2.00)	205.80 / 6.23	2800									
FNT VORTAC	SEGOY (TF) (FB) (RNP 2.00)	330.25 / 27.49	2900									
SEGOY (IAF)	CULAK (NOPT) (TF) (FB) (RNP 1.00)	006.74 / 6.00	2800									
CULAK (IF/IAF)	KURYE (TF) (FB) (RNP 1.00)	096.74 / 6.10	2200									
KURYE (FAF)	RW10 (MAP) (TF) (FO) (RNP 0.30)	096.85 / 4.89										
(SEE FORM 8260-10)												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W CULAK, RT, 096.74 INBOUND, 2800 FT. IN LIEU OF PT (IAF) 3. FAC: 096.85 FAF: KURYE DIST FAF TO MAP: 4.89 THLD: 4.89 4. MIN. ALT: CULAK 2800, KURYE 2200 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2200 GS ALT AT: KURYE 2200 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR 8. MSA FROM: RW10 3100												
				MAG VAR: 7W EPOCH YEAR: 2020								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A								
CATEGORY =====>				STANDARD @								
	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	800	3/4	200	800	3/4	200	800	3/4	200		NA	
LNAV/VNAV DA	1018	1 3/8	418	1018	1 3/8	418	1018	1 3/8	418		NA	
LNAV MDA	1060	1	460	1060	1	460	1060	1 3/8	460		NA	
CIRCLING	1100	1	498	1100	1	498	1460	2 1/2	858		NA	
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). @ CAT C 900-2 1/2 CHART NOTE: CIRCLING NA FOR CAT C N OF RWY 10-28. CHART NOTE: CIRCLING RWY 5, 23 NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)												
CITY AND STATE		ELEVATION: 602 TDZE: 600		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP: RNAV (GPS) RWY 9				
SAGINAW, MI		AIRPORT NAME: SAGINAW COUNTY H W BROWNE				RNAV (GPS) RWY 10, AMDT 1		AMDT: ORIG-B				
								DATED 06/27/2013				



ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
				ROUTINE	
COORDINATED WITH:					
ATA <div><input checked="" type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div><input type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify)		<div><input checked="" type="checkbox"/> SAGINAW APP CON, AMGR, ZOB</div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
DION E. LANCIA (STEPHANIE BARBEE)				AJV-5423	05/19/2017
APPROVED BY					
NAME:				FIFO	DATE:
JULIE A. MORGAN				AJV-5420	
MANAGER					
CHANGES:					
<div>1. CHANGED THE COURSE/DISTANCE OF MBS VOR/DME FEEDER SEGMENT FROM 201.31/6.17 TO 205.80/6.23.</div> <div>2. CHANGED THE COURSE/DISTANCE OF FNT FEEDER SEGMENT FROM 328.74/28.20 TO 330.25/27.49.</div> <div>3. CHANGED THE COURSE/DISTANCE OF SEGOY INITIAL SEGMENT FROM 003.75/5.00 TO 006.74/6.00.</div> <div>4. CHANGED THE COURSE/DISTANCE OF CULAK INTERMEDIATE SEGMENT FROM 093.75/6.00 TO 096.74/6.10.</div> <div>5. CHANGED THE FINAL APPROACH COURSE FROM 093.85 TO 096.84.</div> <div>6. PROCEDURE NAME CHANGED FROM RNAV (GPS) RWY 9 TO RNAV (GPS) RWY 10.</div> <div>7. CHANGED MSA FROM RWY 09 THLD TO RWY 10 THLD.</div> <div>8. IN ADDITIONAL FLIGHT DATA, CHANGED "CHART FAS OBSTACLE: 1107 TOWER..." TO "CHART FAS OBSTACLE: 809 BLDG..."</div> <div>9. VDP CHANGED FROM 2.36 TO RW09 TO 1.36 MILES TO RW10.</div> <div>10. LNAV/VNAV DA/HAT ALL CATS CHANGED FROM 1095/495, VISIBILITY 1 3/4 TO 1018/418, VISIBILITY 1 3/8.</div> <div>11. LNAV MDA/HAT AND VISIBILITY CHANGED: FROM CAT A 1380/780 TO 1060/460; FROM CAT B 1380/780 AND 1 1/4 SM TO 1060/460 AND 1 SM; FROM CAT C 1380/780 AND 2 1/4 TO 1060/460 AND 1 3/8 SM.</div> <div>12. CIRCLING MDA/HAA AND VISIBILITY CHANGED: FROM CAT A/B 1380/779 AND 1 3/4 TO 1100/498 AND 1 SM; FROM CAT C 1380/779 AND 2 1/4 TO 1460/858 AND 2 1/2 SM.</div> <div>(SEE FORM 8260-10)</div>					
REASONS:					
<div>1-7., 21., 30. REALIGNMENT TO FINAL AND IMPACT OF MAGVAR ROTATION FROM 4W/1980 TO 7W/2020.</div> <div>8., 10-11., 22., 25. NEW OBSTACLE DATABASE AND CHANGES TO CONTROLLING OBS AS A RESULT OF FINAL REALIGNMENT.</div> <div>9., 29. MINIMUMS CHANGED.</div> <div>12. APPLIED NEW CIRCLING RADII.</div> <div>13. THE BACKUP ALTIMETER NOTE WAS MOVED TO THE BACK OF THE -9, PER EMAIL CLARIFICATION DATED 02/05/2017.</div> <div>14. 20:1 PENETRATIONS IDENTIFIED THAT AFFECT RWY'S 5 AND 23 AND PER 8260.19G 8-6-5.</div> <div>15. PER 8260.19G, PARA 8-6-6, T.</div> <div>16. 1635 TOWER THAT RAISES THE MDA TO 2000; RESTRICTIONS LOWER THE MDA TO 1460.</div> <div>17. ALIGNMENT FINAL VDA AND TCH TO VGSI VDA AND TCH.</div> <div>18. NOTE WORDING CHANGED PER 8260.19G, PARA 8-6-6 N(1).</div> <div>19. CRC CHANGED WHEN REFERENCE PATH IDENTIFIER CHANGED FROM W09A TO W10A.</div> <div>20. ALIGN WITH FINAL APPROACH COURSE OF RNAV (GPS) RWY 28.</div> <div>23. CHANGE TO TDZE.</div> <div>24. NO LONGER REQUIRED IN ADDITIONAL FLIGHT DATA ACCORDING TO CURRENT CRITERIA.</div> <div>(SEE FORM 8260-10)</div>					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW10 (MAP)	800 MSL (CA)	096.85	
800 MSL	IVODY (DF) (FO) (RNP 1.00)		2700

NOTES, (CONT.):

CHART SPEED ICON IN PLANVIEW AT CULAK : MAX 225 KIAS.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MBS VOR/DME AIRWAY RADIALS 163 CW 284 AND ARRIVALS AT FNT VORTAC ON V450 EASTBOUND.

QUALITY
25
CHECKED

CITY AND STATE
SAGINAW, MI

ELEVATION: 602 **TDZE: 600**
AIRPORT NAME:
SAGINAW COUNTY H W BROWNE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 10, AMDT 1

SUP: **RNAV (GPS) RWY 9**
AMDT: **ORIG-B**
DATED: **06/27/2013**

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input type="checkbox"/></div>	
APA <div><input type="checkbox"/></div>		AOPA <div><input type="checkbox"/></div>		NBAA <div><input type="checkbox"/></div>	
OTHER (specify)		<div><input type="checkbox"/></div>		<div><input type="checkbox"/></div>	
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES: CHANGES CONT. 13. REMOVED BACKUP ALTIMETER NOTE AND ADDED CONTINGENCY BACKUP ALTIMETER NOTE TO THE BACK OF THE 8260-9. 14. CHANGED CIRCLING CHART NOTE FROM "CIRCLING TO RWY 5 NA AT NIGHT" TO "CIRCLING RWY 5, 23 NA AT NIGHT". 15. CHANGED CHART NOTE FROM "BARO-VNAV NA BELOW -16C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (-2F) OR ABOVE 34C (94F)." 16. CHART PROFILE NOTE ADDED RESTRICTING CAT C CIRCLING NORTH OF RWY 10/28. 17. CHANGED DIST FAF TO MAP AND DIST FAF TO THLD FROM 4.82 TO 4.89. 18. UPDATED CHART PROFILE NOTE FROM "VGSi AND RNAV GLIDEPATH NOT COINCIDENT" TO "VGSi AND RNAV GLIDEPATH NOT COINCIDENT (VGSi ANDGLE {ANGLE}/TCH {FEET})." 19. CRC REMAINDER CHANGED FROM F00E3FC2 TO 69362C4C; REFERENCE PATH ID CHANGED FROM W09A TO W10A. 20. CHANGED HOLDING INBOUND COURSE FROM 274.11 TO 277.13. 21. HOLD-IN-LIEU INBOUND COURSE CHANGED FROM 093.75 TO 096.74. 22. LPV DA/HAT CHANGED FROM ALL CATS 850/250 TO 800/200. 23. ADDITIONAL FLIGHT DATA NOTE CHANGED FROM "DIST TO THLD FROM 250 HAT: 0.65NM" TO "DIST TO THLD FROM 200 HAT: 0.49NM." (SEE FORM 8260-10)					
REASONS: REASONS CONT. 26. SPEED RESTRICTION NECESSARY FOR SEGMENT LEG LENGTH AND DEGREE OF TURN INBOUND. 27. MAGVAR OUT OF TOLERANCE. 28-29. REQUIRED IAW 8260.19G, PARA 8-6-3 D(3).					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

QUALITY
25
CHECKED

CITY AND STATE SAGINAW, MI	ELEVATION: 602	TDZE: 600	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1	SUP: RNAV (GPS) RWY 9
	AIRPORT NAME: SAGINAW COUNTY H W BROWNE				AMDT: ORIG-B
					DATED: 06/27/2013

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input type="checkbox"/></div>	
APA <div><input type="checkbox"/></div>		AOPA <div><input type="checkbox"/></div>		NBAA <div><input type="checkbox"/></div>	
OTHER (specify)		<div><input type="checkbox"/></div>		<div><input type="checkbox"/></div>	
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
<div>CHANGES:</div> <div>CHANGES CONT.</div> <div>24. REMOVED ROUTE TYPE DESCRIPTION AND APPROACH ROUTE QUALIFIER FROM ADDITIONAL FLIGHT DATA.</div> <div>25. REMOVED CHART FAS OBSTACLE 711 TREE.</div> <div>26. ADDED "CHART SPEED ICON IN PLANVIEW AT CULAK: MAX 225 KIAS."</div> <div>27. MAGVAR CHANGED FROM 4W/1980 TO 7W/2020.</div> <div>28. ADDED "LNAV ONLY" TO CHART NOTES.</div> <div>29. CHANGED ALTERNATE MINS FROM "# CAT C 800 - 2 1/4" TO "@ CAT C 900 - 2 1/2" AND REMOVED "@ NA WHEN LOCAL WEATHER NOT AVAILABLE."</div> <div>30. CHANGED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MBS VOR/DME ON AIRWAY RADIALS 163 CW 259..." TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MBS VOR/DME ON AIRWAY RADIALS 163 CW 284..."</div>					
REASONS:					



**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHYX
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	432602.0605N
LTP/FTP LONGITUDE	0835218.7725W
LTP/FTP ELLIPSOIDAL HEIGHT	+01481
FPAP LATITUDE	432602.1655N
FPAP LONGITUDE	0835016.4880W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 69362C4C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01825
FPAP ORTHOMETRIC HEIGHT	+01825

QUALITY
25
CHECKED

CITY AND STATE SAGINAW, MI	ELEVATION: 602 AIRPORT NAME: SAGINAW COUNTY H W BROWNE	TDZE: 600 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1	SUP: RNAV (GPS) RWY 9
				AMDT: ORIG-B
				DATED: 06/27/2013

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>
OTHER (specify) <input type="checkbox"/> _____					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT		FROM		TO		OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.		
FEEDER		MBS VOR/DME		CULAK		1. TOWER (26-000047)	432855.19N/0840422.47W	939 (1B)	1000	AT861	2800		
						2. TERRAIN	432812.00N/0840636.00W	660 (700)		AS1500	2200		
FEEDER		FNT VORTAC		SEGOY		3. TOWER (26-001173)	431316.00N/0840311.00W	1598 (5D)	1000	AT302	2900		
						4. TERRAIN	430133.00N/0834754.00W	798 (800)		AS1500	2300		
INITIAL		SEGOY		CULAK		5. TOWER (26-001439)	432417.60N/0840809.60W	948 (5D)	1000	AT852	2800		
						6. TERRAIN	432715.00N/0840909.00W	643 (600)		AS1500	2100		
INTERMEDIATE		CULAK (IF/IAF)		KURYE		5. TOWER (26-001439)	432417.60N/0840809.60W	948 (5D)	500	AT752	2200		
						7. TERRAIN	432748.00N/0840142.00W	634 (600)		AS1500	2100		
FINAL: LPV		KURYE		RW10					ASC		800/200		
FINAL: LNAV/VNAV		KURYE		RW10		8. TWR (KHYXT000112)	432605.28N/0835343.96W	734 (1A)	23.64:1		1018/418		
FINAL: LNAV		KURYE		RW10		9. BUILDING (26-027554)	432550.53N/0835626.13W	809 (1A)	250		1060		
2. HOLD-IN-LIEU-OF-PT		CULAK		P-5		10. TOWER (23-2117)	432442.00N/0841319.00W	1140 (5D)	1000	AT660	2800		
						11. TERRAIN	432309.00N/0842106.00W	703 (700)		AS1500	2200		
3. MISSED APPROACH	MAP:		DA / DA / RW10		IVODY				ASC		2700		
	ELEV:		634/867/960			12. AAO	432554.00N/0833400.00W	916 (3E)	1000		2000		
						13. TERRAIN	432554.00N/0833400.00W	716 (700)		AS1500	2200		
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.									
CATEGORY A		1.3 NM		REQUIRED	ACTUAL	350	498	14. TOWER (26-002364)	432450.00N/0835231.00W	800 (2C)	300	1100	
CATEGORY B		1.5 NM				450	498	14. TOWER (26-002364)	432450.00N/0835231.00W	800 (2C)	300		1100
CATEGORY C		1.7 NM				450	858	15. TOWER (26-000116)	432503.39N/0835506.04W	1109 (5D)	300	AC50	1460
CATEGORY D		2.3 NM				550							
CATEGORY E		4.5 NM				550							
5. MINIMUM SAFE ALTITUDES						PRIMARY NAVAID: RW10							
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A				
360-360	TWR (26-000558)	163/14.6	2013 (4D)	3100						QUALITY 25			
CITY AND STATE		ELEVATION: 602		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION					
SAGINAW, MI		AIRPORT NAME: SAGINAW COUNTY H W BROWNE		RNAV		RNAV (GPS) RWY 10, AMDT 1		AGL		CHECKED			

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED. VISUAL PORTION OF FINAL PENETRATIONS: 20:1 CIRCLING RWY 05 626 VEHICLES ON ROAD (KHYXT000041) 432543.91N/0835157.72W (3.27) 20:1 CIRCLING RWY 23 632 TREE (KHYXT000038) 432609.23N/0835123.24W (14.57) 627 TREE (KHYXT000040) 432609.32N/0835121.95W (5.90) ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.83NM CAT C: 2.89NM SEE ATTACHED AIRSPACE LETTER. RASS PRESSURE PATTERNS SAME KHYX 601.5, KMBS 668.2 RA = 35.13. CRITICAL TEMPERATURES CRITICAL LOW: -18C (0F) CRITICAL HIGH: +54C (+130F) ACT: -18C APT ISA: +13.80C CRITICAL TEMPERATURE REMARKS AVERAGE COLD TEMPERATURE DERIVED FROM 5 YEAR HISTORY (2012-2016). CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 824 HIGH TEMP 1117. OBSTACLE #8: 734 COMMUNICATION TOWER SURFACES: LPV = 34:1 VNAV = 23.64:1 VGSI DATA: 3.00/25.2 TCH. FOR CONTINGENCY PURPOSES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MBS INTL ALTIMETER SETTING AND INCREASE ALL DA 36 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 SM AND INCREASE ALL MDA 40 FEET AND CIRCLING CAT C VISIBILITY 1/4 SM. SAGINAW COUNTY H. W. BROWNE DESIRES TO RETAIN CATEGORY A/C MINIMA. THE CURRENT LENGTH OF RUNWAY 9/27 (4,300') DOES NOT SUPPORT CATEGORY D APPROACH AIRCRAFT. THERE ARE NO RUNWAY EXTENSIONS PLANNED IN THE FUTURE FOR RUNWAY 9/27 TO ALLOW FOR CATEGORY D APPROACH AIRCRAFT. DEVELOPER NOTE: THIS IS FROM AN APT EMAIL, SINCE THE EMAIL WAS SENT THE RWYS HAVE CHANGED FROM 9/27 TO 10/28 DUE TO A MAGVAR CHANGE. 100 FT VEGETATION USED FOR PROCEDURE DEVELOPMENT.		
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING						
SAGINAW APP CON ZOB LAN FSS				N W S	OTHER: AWOS-3	SOURCE:KHYX / KMBS						
				F A A		DISTANCE: 0 / 11.20						
				A / C		HOURS REMOTE OPERATION: 0/YES / 24/YES						
X	V H F	X	U H F		H F	LOCATION: KHYX			ADJUSTMENT: 0 / 36			
4. MONITOR STATUS		PRIMARY NAVAID:										
		MONITOR POINT:										
		HRS OPTN:	CAT 1									
			CAT 3									
5. APPROACH & RUNWAY LIGHTING			ALS									
			(S) SALS									
		X	MALSF 28 (PCL)									
			HIRL									
		X	MIRL 05 (PCL), 10 (PCL), 23 (PCL), 28 (PCL)									
		X	REIL 10 (PCL)									
			TDZ									
			C/LINE									
		X	OTHER (SPECIFY) PAPI-2R 23 (PCL) PAPI-2L 05 (PCL), 10 (PCL), 28 (PCL)									
6. RUNWAY MARKINGS		BASIC BSC-F 05, 23										
		ALL WEATHER PIR-F 10, 28										
		INSTRUMENT										
7. RUNWAY VISUAL RANGE		APPROACH										
		MIDFIELD										
		ROLL OUT										
8. GLIDE PATH		GP ANGLE: 3.00				ELEV RWY THRESHOLD:598.6						
		DISTANCE FROM RWY:				ELEV GP ANTENNA:						
						THRESHOLD CROSSING HEIGHT:45.0						
9. FINAL APPROACH COURSE AIMING			X	RUNWAY THRESHOLD					FT. FROM THRESHOLD			
			X	ON CENTERLINE					FT. FROM CENTERLINE			
10. WAIVERS: NONE												
PART D - PREPARED BY: DION E. LANCIA (STEPHANIE BARBEE)						DATE: 05/19/2017						
TITLE: AERONAUTICAL INFORMATION SPECIALIST						OFFICE: AJV-5423						

