

RUNWAY END COORDINATES - NAD 83									
RUNWAY 1		RUNWAY 19		RUNWAY 13		RUNWAY 31			
EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE		
LATITUDE	41°58'57.72" N	41°58'57.72" N	41°58'57.72" N	41°58'57.72" N	41°58'57.72" N	41°58'57.72" N	41°58'57.72" N		
LONGITUDE	93°37'29.32" W	93°37'29.32" W	93°37'29.32" W	93°37'29.32" W	93°37'29.32" W	93°37'29.32" W	93°37'29.32" W		

RUNWAY DATA TABLE									
		RUNWAY 1/19		RUNWAY 13/31					
ITEM	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	
APPROACH CATEGORY - DESIGN GROUP	C-1	C-1	C-1	C-1	B-1	B-1	B-1	B-1	
RUNWAY LENGTH X WIDTH	5707x100'	5707x100'	5707x100'	5707x100'	3491x75'	4000x75'	4000x75'	4000x75'	
MAXIMUM ELEVATION ABOVE MSL	955.3	955.3	955.3	955.3	929.8	929.8	929.8	929.8	
RUNWAY MARKINGS	PR/NPI	PR/NPI	PR/NPI	PR/NPI	NPI	NPI	NPI	NPI	
RUNWAY LIGHTING	MRL	MRL	MRL	MRL	MRL	MRL	MRL	MRL	
PAVEMENT MATERIAL	AC/PC	AC/PC	AC/PC	AC/PC	AC/PC	AC/PC	AC/PC	AC/PC	
PAYMENT STRENGTH	38,000 PSI	38,000 PSI	38,000 PSI	38,000 PSI	17,000 SW	12,500 SW	12,500 SW	12,500 SW	
RUNWAY SAFETY AREA (RSA) LENGTH	770'	770'	770'	770'	4093'	4600'	4600'	4600'	
RUNWAY SAFETY AREA (RSA) WIDTH	400'	400'	400'	400'	4093'	4600'	4600'	4600'	
RUNWAY OBSTACLE FREE AREA (ROFA) LENGTH	770'	770'	770'	770'	4093'	4600'	4600'	4600'	
RUNWAY OBSTACLE FREE AREA (ROFA) WIDTH	400'	400'	400'	400'	4093'	4600'	4600'	4600'	
RUNWAY OBSTACLE FREE ZONE (ROFZ) LENGTH	610'	610'	610'	610'	3993'	500'	500'	500'	
RUNWAY OBSTACLE FREE ZONE (ROFZ) WIDTH	400'	400'	400'	400'	250'	250'	250'	250'	
TAXIWAY WIDTH	35'	35'	35'	35'	35'	35'	35'	35'	
TAXIWAY LIGHTING	MTL	MTL	MTL	MTL	MTL	MTL	MTL	MTL	
		1	19	1	19	13	31	13	31
APPROACH TYPE	PR	NPI	PR	NPI	PR	NPI	NPI	NPI	NPI
APPROACH SURFACE SLOPE	401/501	34.1	401/501	34.1	20.1	20.1	20.1	20.1	20.1
PERCENT EFFECTIVE GRADE	-0.84%	-0.84%	-0.84%	-0.84%	-0.35%	-0.35%	-0.35%	-0.35%	-0.35%
ELECTRONIC AIDS	ILS, GPS	GPS	ILS, GPS	GPS	GPS	VOR	GPS	GPS	GPS
VISUAL AIDS	MALSR	VASI	MALSR	VASI	VASI	VASI	VASI	VASI	VASI
APPROACH VISIBILITY MINIMUMS	1/2 MILE	1/2 MILE	1/2 MILE	1/2 MILE	1/2 MILE	1/2 MILE	1/2 MILE	1/2 MILE	
TOUCHDOWN ZONE ELEVATION	953.3	937.0	953.3	937.0	929.8	929.8	929.8	929.8	
TAKOFF RUN AVAILABLE (TORA)	5707	5707	5707	5707	3493	3493	4000	4000	
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	5707	5707	5707	5707	3493	3493	4000	4000	
LANDING DISTANCE AVAILABLE (LDA)	5707	5707	5707	5707	3493	3493	4000	4000	

BUILDING IDENTIFICATION			
I.D.	DESCRIPTION	I.D.	DESCRIPTION
A	EXISTING TERMINAL BUILDING	N	EXISTING CONVENTIONAL HANGAR
B	EXISTING FBO SHOP / STORAGE	M2	EXISTING AMES HANGAR CLUB
C	EXISTING FBO SHOP / STORAGE	M2	EXISTING AMES HANGAR CLUB
D	EXISTING TEE HANGAR	C2	EXISTING AMES HANGAR CLUB
E	EXISTING TEE HANGAR	P	EXISTING HANGAR
F	EXISTING TEE HANGAR	O	EXISTING MANUFACTURING FACILITY
G	EXISTING TEE HANGAR	1	ULTIMATE CONVENTIONAL HANGAR
H	EXISTING CONVENTIONAL HANGAR	2	ULTIMATE CONVENTIONAL HANGAR
I	EXISTING CONVENTIONAL HANGAR	3	ULTIMATE TERMINAL BUILDING
J	EXISTING CONVENTIONAL HANGAR	4	ULTIMATE CONVENTIONAL HANGAR
K	EXISTING CONVENTIONAL HANGAR	5	ULTIMATE CONVENTIONAL HANGAR
L	EXISTING CONVENTIONAL HANGAR	6	ULTIMATE CONVENTIONAL HANGAR
M	EXISTING CONVENTIONAL HANGAR		

SURVEY CONTROL AND RUNWAY DOCUMENTATION			
WGS84 COORDINATES (NAD83)		NAVD 88	
DEGREES	MINUTES	SECONDS	DATUM-US SURVEY FEET
PID	LATITUDE	LONGITUDE	ELEVATION
AJB301	41°59'37.60859" N	93°37'05.65577" W	921.4
AJB302	41°59'37.61511" N	93°37'26.76928" W	941.2
AJB303	41°59'55.26182" N	93°37'31.34900" W	921.9

CONDITIONAL APPROVAL

The approval indicated by my signature is given subject to the conditions that the project identified in our approval letter dated August 13, 2010, may not be undertaken without prior written environmental approval by the Federal Aviation Administration. This approval action does not imply any commitment for Federal funding, or approval of future structures requiring notice under FAR Part 77.

Airport Planning Engineer
FAA Central Region

Date: 8/9/2012

OBSTACLE FREE ZONE (OFZ) OBJECT PENETRATIONS		
NO.	DESCRIPTION (PENETRATION)	DISPOSITION
	NONE	

LEGEND		
DESCRIPTION	EXISTING	ULTIMATE
APPROACH PROPERTY LINE	---	---
APPROACH EASEMENT LINE	---	---
BUILDING RESTRICTION LINE	---	---
RUNWAY VISIBILITY ZONE / LINE OF SIGHT	---	---
RUNWAY PROTECTION ZONE	---	---
RUNWAY PROTECTION ZONE EASEMENT	---	---
RUNWAY SAFETY AREA AND OBJECT FREE AREA	---	---
BUILDING - STRUCTURES	---	---
PRECISION APPROACH PATH INDICATOR (PAPI)	---	---
THRESHOLD END IDENTIFIER LIGHTS (RELI)	---	---
THRESHOLD LIGHTS	---	---
FENCE	---	---
PAVEMENT REMOVAL	---	---
TERRAIN	---	---

AIRPORT DATA - NAVD 88		
ITEM	EXISTING	ULTIMATE
APPROACH ELEVATION (MSL)	955.3 (MSL)	955.3 (MSL)
APPROACH REFERENCE POINT (ARP)	41°59'37" N 93°37'19" W	41°59'37" N 93°37'19" W
MEAN MAX. TEMPERATURE	84.3° F	84.3° F
APPROACH NAVIGATION	ILS, GPS	ILS, GPS
ROTATING BEACON	YES	YES
SEMI-CIRCLE	YES	YES
LIGHTED WIND INDICATOR	YES	YES
APPROACH REFERENCE CODE	C-1	C-1

HOLDING POSITION TABLE		
HOLDING POSITION	HOLD TYPE	DISTANCE
HL 1	RUNWAY	250'
HL 2	RUNWAY	250'
HL 3	RUNWAY	250'
HL 4	RUNWAY	250'
HL 5	RUNWAY	250'
HL 6	RUNWAY	250'
HL 7	RUNWAY	125'
HL 8	RUNWAY	125'
HL 9	RUNWAY	125'
HL 10	RUNWAY	125'
HL 11	RUNWAY	125'
HL 12	RUNWAY	125'
HL 13	RUNWAY	125'
HL 14	RUNWAY	125'

NOTE: THE DISTANCE FROM THE HOLD LINE IS MEASURED PERPENDICULAR FROM THE RUNWAY CENTERLINE.

REVISION BLOCK	
NUMBER	DATE

DESCRIPTION

APPROVED BY: _____
DATE APPROVED: 8/9/2012

TITLE:

AMES MUNICIPAL AIRPORT
AIRPORT LAYOUT PLAN

SNYDER & ASSOCIATES
2727 S.W. SNYDER BLVD.
ANN ARBOR, MI 48103
313-964-0000

PROJECT NO. 106.0292
SHEET 2 OF 17