

	RUNWAY 17		RUNWAY 35	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
TAKEOFF RUNWAY AVAILABLE (TORA)	3802'	3802'	4200'	4200'
TAKEOFF DISTANCE AVAILABLE (TODA)	3802'	3802'	4200'	4200'
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	3802'	3802'	4200'	4200'
LANDING DISTANCE AVAILABLE (LDA)	3802'	3802'	4200'	4200'

	RUNWAY 9		RUNWAY 27	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
TAKEOFF RUNWAY AVAILABLE (TORA)	1640'	1640'	1640'	1640'
TAKEOFF DISTANCE AVAILABLE (TODA)	1640'	1640'	1640'	1640'
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	1640'	1640'	1640'	1640'
LANDING DISTANCE AVAILABLE (LDA)	1640'	1640'	1640'	1640'

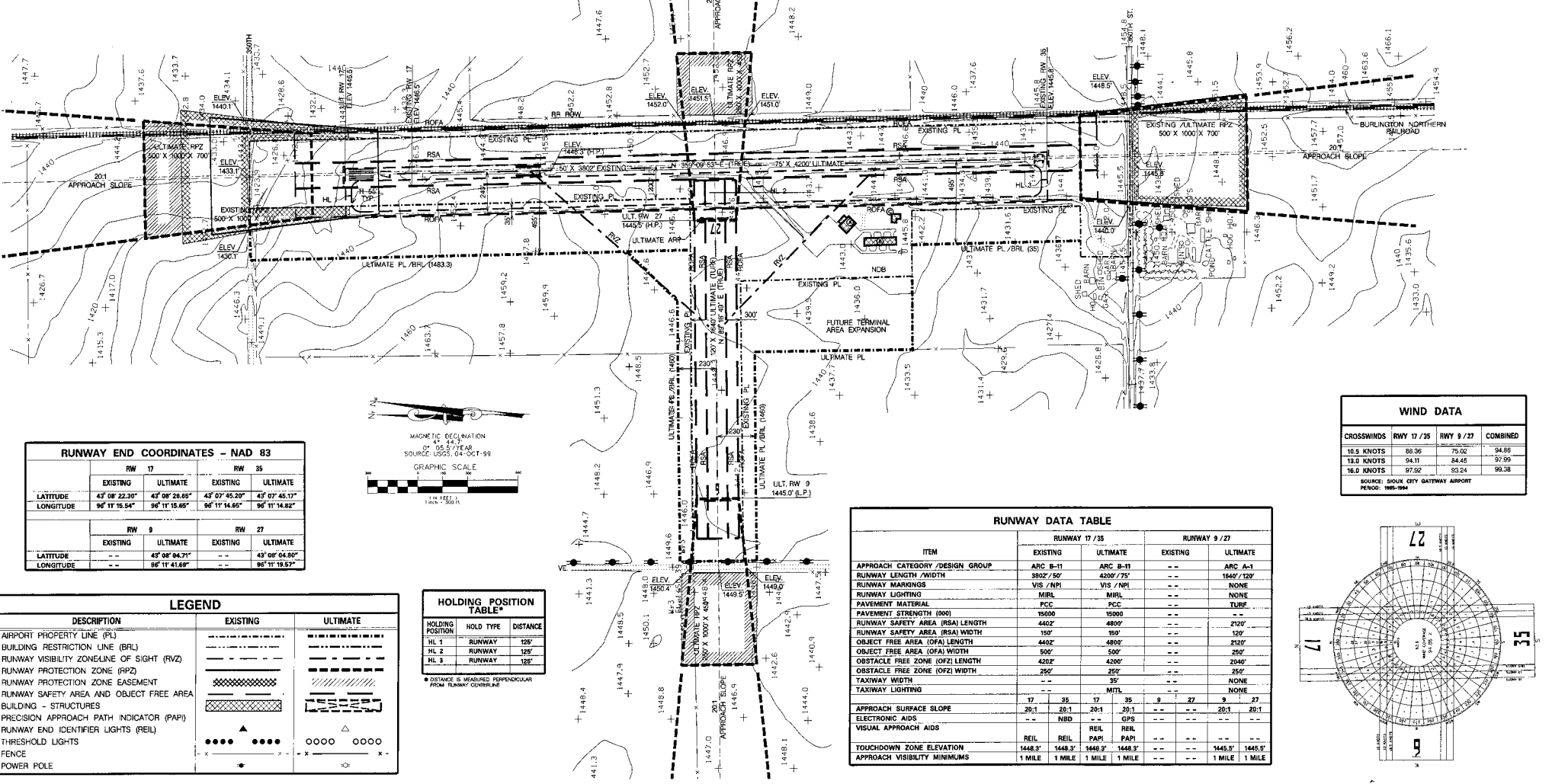
NOTES

1. THERE ARE NO THRESHOLD STOP SURFACE OBJECT PENETRATIONS.
2. THERE ARE NO OBSTACLE FREE ZONE (OFZ) OBJECT PENETRATIONS.
3. THERE ARE NO MODIFICATIONS TO DESIGN STANDARDS.
4. RUNWAY 17/35 CENTERLINE RELOCATED 12.6' WEST AT TIME RUNWAY WIDTH IS INCREASED FROM 50' (EXIST) TO 75' (ULTIMATE).
5. THRESHOLD STOP CRITERIA APPLIED AS PER PARAGRAPH 5 B APPENDIX 2 FAA AC 150/5300-13 CHG. 5.
6. PARTIAL PARALLEL TAXWAY EXTENDING FROM APRON TO RUNWAY 17.
7. FAA SITE NUMBER 6349.87A

BUILDING IDENTIFICATION	
A	TERMINAL FBO
B	6 UNIT T-HANGAR
C	HOUSE

AIRPORT DATA		
	EXISTING	ULTIMATE
AIRPORT ELEVATION	1448.3 MSL	1448.3 MSL
AIRPORT REFERENCE CODE	ARC B-11	ARC B-11
AIRPORT REFERENCE POINT (ARP)	43° 08' 04.03" N 96° 11' 19.56" W	43° 08' 04.03" N 96° 11' 19.56" W
MEAN MAX. TEMP.	87°	87°
AIRPORT NAV AIDS	NDB	NDB
ROTATING BEACON	NONE	YES
SEGMENTED CIRCLE	NONE	NONE
LIGHTED WIND INDICATOR	YES	YES

MODIFICATIONS TO AIRPORT DESIGN STANDARDS			
APPROVAL DATE	AIRSPACE CASE NO.	STANDARD MODIFIED	DESCRIPTION
NONE REQUIRED			



RUNWAY END COORDINATES - NAD 83				
	RW 17		RW 35	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
LATITUDE	43° 08' 22.30"	43° 08' 28.65"	43° 07' 45.20"	43° 07' 45.17"
LONGITUDE	96° 11' 15.54"	96° 11' 15.66"	96° 11' 14.66"	96° 11' 14.82"

	RW 9		RW 27	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
LATITUDE	--	43° 08' 04.71"	--	43° 08' 04.60"
LONGITUDE	--	96° 11' 41.69"	--	96° 11' 19.57"



WIND DATA			
CROSSWINDS	RWY 17/35	RWY 9/27	COMBINED
10.5 KNOTS	88.36	75.02	94.88
15.0 KNOTS	54.11	84.45	52.99
16.0 KNOTS	97.92	93.24	99.38

SOURCE: SIOUX CITY GATEWAY AIRPORT PERIOD: 1995-1994

ITEM	RUNWAY 17/35		RUNWAY 9/27	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
APPROACH CATEGORY / DESIGN GROUP	ARC B-11	ARC B-11	--	ARC A-1
RUNWAY LENGTH / WIDTH	3802' / 50'	4200' / 75'	--	1640' / 120'
RUNWAY MARKINGS	VIS / NPI	VIS / NPI	--	NONE
RUNWAY LIGHTING	MIRL	MIRL	--	NONE
PAVEMENT MATERIAL	PCF	PCF	--	TYRF
PAVEMENT STRENGTH (000)	15000	15000	--	--
RUNWAY SAFETY AREA (RSA) LENGTH	4402'	4800'	--	2120'
RUNWAY SAFETY AREA (RSA) WIDTH	150'	150'	--	120'
OBJECT FREE AREA (OFA) LENGTH	4402'	4800'	--	2120'
OBJECT FREE AREA (OFA) WIDTH	500'	500'	--	250'
OBSTACLE FREE ZONE (OFZ) LENGTH	4202'	4200'	--	2040'
OBSTACLE FREE ZONE (OFZ) WIDTH	250'	250'	--	250'
TAXIWAY WIDTH	--	35'	--	NONE
TAXIWAY LIGHTING	--	MTL	--	NONE
APPROACH SURFACE SLOPE	20:1	20:1	20:1	20:1
ELECTRONIC AIDS	NDB	--	GPS	--
VISUAL APPROACH AIDS	REIL	REIL	PAPI	PAPI
TOUCHDOWN ZONE ELEVATION	1448.3'	1448.3'	1448.3'	1445.5'
APPROACH VISIBILITY MINIMUMS	1 MILE	1 MILE	1 MILE	1 MILE

LEGEND		
DESCRIPTION	EXISTING	ULTIMATE
AIRPORT PROPERTY LINE (PL)	---	---
BUILDING RESTRICTION LINE (BRL)	---	---
RUNWAY VISIBILITY ZONE LINE OF SIGHT (RVZ)	---	---
RUNWAY PROTECTION ZONE (RPZ)	---	---
RUNWAY PROTECTION ZONE EASEMENT	---	---
RUNWAY SAFETY AREA AND OBJECT FREE AREA	---	---
BUILDING - STRUCTURES	---	---
PRECISION APPROACH PATH INDICATOR (PAPI)	---	---
RUNWAY END IDENTIFIER LIGHTS (REIL)	---	---
THRESHOLD LIGHTS	---	---
FENCE	---	---
POWER POLE	---	---

HOLDING POSITION TABLE*		
HOLDING POSITION	HOLD TYPE	DISTANCE
HL 1	RUNWAY	125'
HL 2	RUNWAY	125'
HL 3	RUNWAY	125'

* DISTANCE IS MEASURED PERPENDICULAR FROM RUNWAY CENTERLINE

