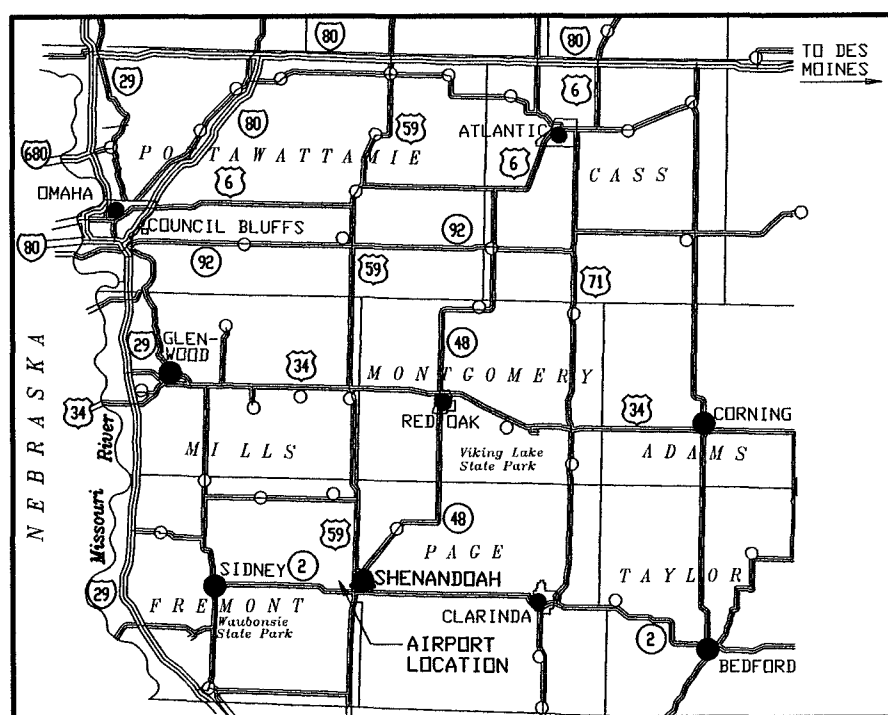
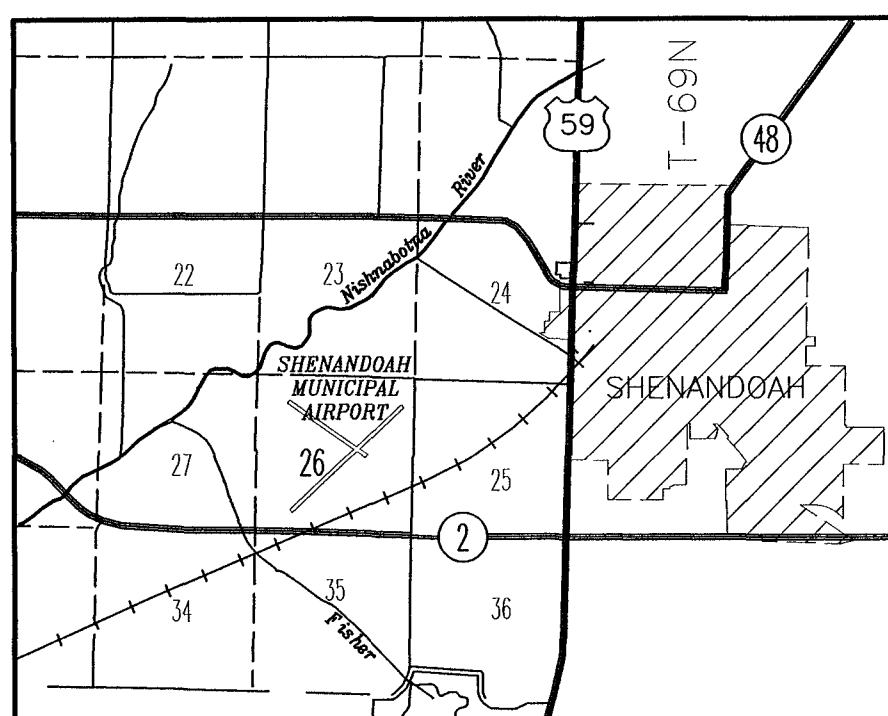




LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

LEGEND		
EXISTING	FUTURE	DESCRIPTION
XXXX	XXXX	FACILITIES
----	----	EASEMENTS
----	----	PROPERTY LINE (FEE ACQUISITION)
----	----	RUNWAY SAFETY AREA (RSA)
----	----	RUNWAY OBJECT FREE AREA (OFA)
----	----	BUILDING RESTRICTION LINE (BRL)
----	----	RUNWAY VISIBILITY ZONE (RVZ)
△	△	SECTION CORNER
+ 960.5	+	SPOT ELEVATIONS
955	955	GROUND CONTOURS
○	○	FLOWLINE
○	○	AIRPORT REFERENCE POINT
+	+	AREA LIGHTS
+	+	BEACON LIGHT
+	+	FUEL PUMPS
+	+	POWER POLE
+	+	STORM SEWER INTAKE
.....		RUNWAY THRESHOLD LIGHTS
.....		DRAINAGE STRUCTURES
-----	-----	FENCE LINE & PROPERTY LINE
-----	-----	SERVICE ROAD

BUILDINGS	
NO.	STRUCTURE
1	EXISTING TERMINAL
2	EXISTING AIRCRAFT MAINTENANCE
3	EXISTING HANGARS
4	EXISTING PRIVATE HANGAR
5-7	FUTURE HANGARS
8	EXISTING ROTATING BEACON
9	EXISTING WIND TEE & SEG. CIRCLE
10	EXISTING RADIO BEACON (N.D.B.)
11	EXISTING AWOS
12	STORAGE SHED
13-20	CITY WELL HOUSES
21	SRE BUILDING

AIRPORT DATA			
ITEM	EXISTING	FUTURE	
AIRPORT DATUM	MSL	MSL	
AIRPORT ELEVATION	971.0	971.0	
MEAN MAX DAILY TEMP	87.7°	87.7°	
A.R.P. COORDINATES	40 45 04.95 N 95 24 49.06 W	40 45 04.95 N 95 24 49.06 W	
NAVAIDS - AIRPORTS	NDB	NDB	
TAXIWAY LIGHTING & MARKING	MITL	MITL	
CRITICAL AIRCRAFT	KING AIR	KING AIR	
AIRPORT REFERENCE CODE	B-II	B-II	

RUNWAY END COORDINATES		
	EXISTING	FUTURE
R/W 22	40 45 19.57 N 95 24 21.86 W	40 45 19.57 N 95 24 21.86 W
R/W 04	40 44 43.50 N 95 25 06.41 W	40 44 43.50 N 95 25 06.41 W
R/W 12	40 45 21.48 N 95 25 14.45 W	40 45 21.48 N 95 25 14.45 W
R/W 30	40 45 02.95 N 95 24 39.37 W	40 45 02.95 N 95 24 39.37 W
R/W 30 INTERIM	40 45 01.96 N 95 24 37.88 W	

CONDITIONAL APPROVAL

The approval indicated by my signature is given subject to the condition that the items identified in our approval letter dated 10/10/12 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.

[Signature]
Airport Planning Engineer
FAA Central Region

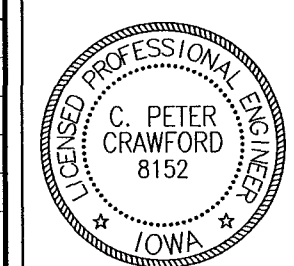
Date _____

NOTES

THERE ARE NO MODIFICATIONS TO AIRPORT DESIGN STANDARDS

THERE ARE NO OFZ OBJECT PENETRATIONS

THERE ARE NO THRESHOLD SITING SURFACE PENETRATIONS



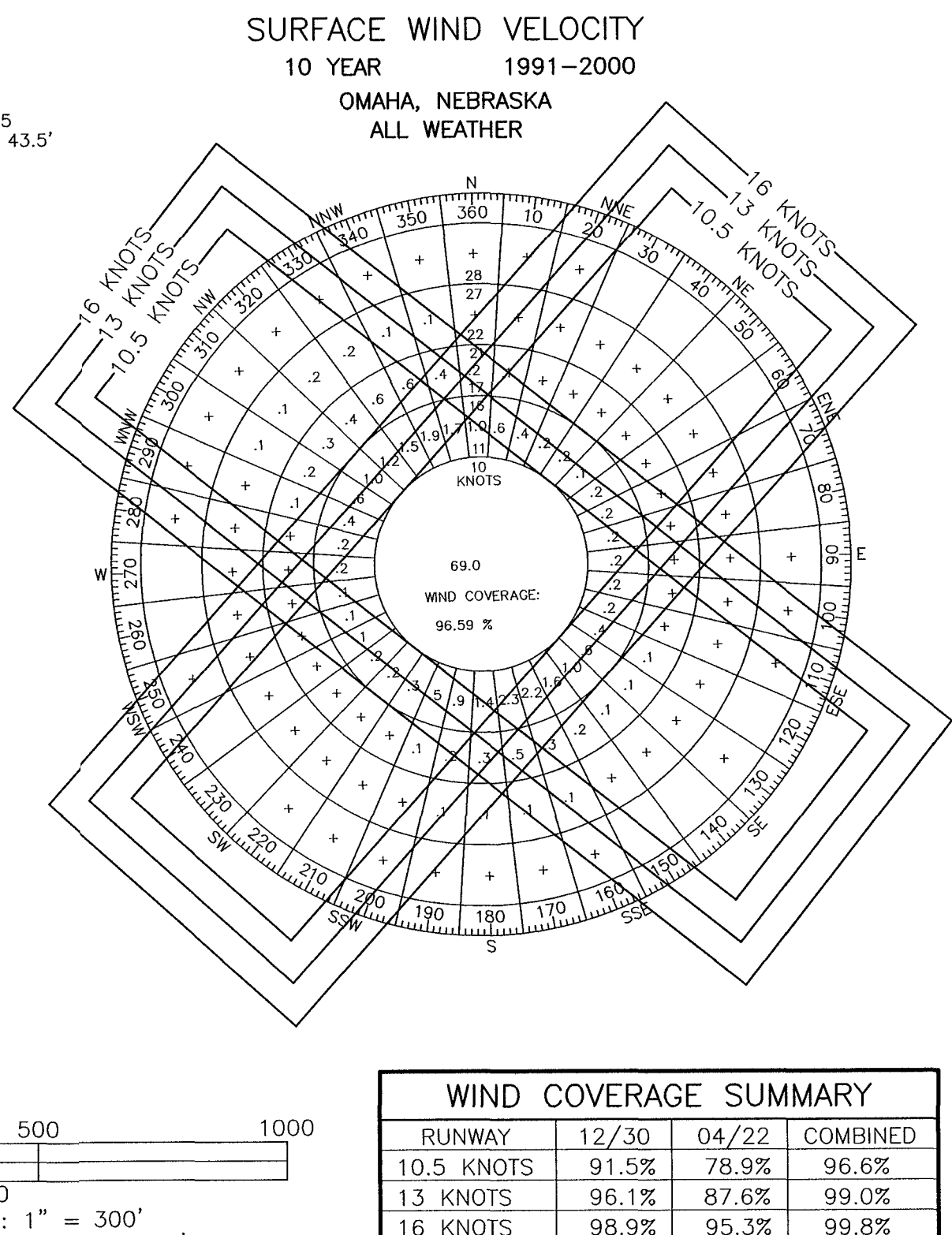
CERTIFICATION

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

[Signature]
C. Peter Crawford, P.E.
My license renewal date is December 31, 2013

Pages or sheets covered by this seal: 9-4-12
SHEETS 1 - 10

HARN COORDINATES	
NAD 83 (1996) COORDS	NAVD 88 ELEVATION
40 45 16.47 N 95 24 17.57 W	971.9 FT



RUNWAY DATA										
ITEM	RUNWAY 12/30			RUNWAY 04/22						
	EXISTING	INTERIM	ULTIMATE	EXISTING	ULTIMATE					
APPROACH CATEGORY/DESIGN GROUP	B-I	B-I	B-II	B-II	B-II					
RUNWAY LENGTH/WIDTH	3299x75	3439x75	4000x75	5000x75	5000x75					
RUNWAY MARKINGS	NPI/BASIC	NPI	NPI	NPI	NPI					
RUNWAY LIGHTING	MIRL	MIRL	MIRL	MIRL	MIRL					
PAVEMENT MATERIAL	P.C.C.	P.C.C.	P.C.C.	P.C.C.	P.C.C.					
PAVEMENT STRENGTH (000)	12.5 S	12.5 S	12.5 S	30 S	30 S					
RUNWAY SAFETY AREA (RSA) LENGTH	3779	3919	4600	5600	5600					
RUNWAY SAFETY AREA (RSA) WIDTH	150	150	150	300	300					
R/W OBJECT FREE AREA (OFA) LENGTH	3779	3919	4600	5600	5600					
R/W OBJECT FREE AREA (OFA) WIDTH	400	400	500	500	500					
OBSTACLE FREE ZONE (OFZ) LENGTH	3699	3839	4400	5400	5400					
OBSTACLE FREE ZONE (OFZ) WIDTH	250	250	400	400	400					
TAXIWAY WIDTH	35'	35'	35'	35'	35'					
TAXIWAY LIGHTING	---	---	MITL	MITL	MITL					
EFFECTIVE GRADIENT %	0.46%	0.46%	0.45%	0.22%	0.22%					
	12	30	30	12	30	4	22	4	22	
APPROACH SURFACE SLOPE	20:1	20:1	20:1	20:1	20:1	34:1	20:1	34:1	20:1	
ELECTRONIC NAV AIDS	GPS/IR/MLS			GPS/IR/MLS		NDB/GPS	NDB/GPS	NDB/GPS	NDB/GPS	
VISUAL APPROACH AIDS	VASI-REIL	VASI-REIL	VASI-REIL	VASI-REIL	VASI-REIL	VASI-REIL	VASI-REIL	VASI-REIL	VASI-REIL	
APPROACH VISIBILITY MINIMUMS	>1 1/4M >600'	>1 1/4M >600'	>1 1/4M >600'	>1 M >400'	>1 M >400'	>1 M >700'	>1 M >700'	>1 M >400'	>1 M >400'	
TOUCHDOWN ZONE ELEVATION	967	967	967	967	967	967	967	967	967	
TAKEOFF RUN AVAILABLE (TORA)	3299	3299	3439	4000	4000	5000	5000	5000	5000	
TAKEOFF DISTANCE AVAILABLE (TODA)	3299	3299	3439	4000	4000	5000	5000	5000	5000	
ACCEL/STOP DISTANCE AVAILABLE (ASDA)	3299	3299	3439	4000	4000	5000	5000	5000	5000	
LANDING DISTANCE AVAILABLE (LDA)	3299	3299	3439	4000	4000	5000	5000	5000	5000	

APPROVAL BLOCK				
<i>[Signature]</i> CITY OF SHENANDOAH, IOWA		9/10/12 DATE		
NO.	REVISIONS	BY	APPD.	DATE
2	As-Built for Apron Exp. Proj. 3-19-0082-04	TMB	CPC	4/07
3	Updated As-Built for Projs. 3-19-0082-05 & 06	EAK	CPC	9/08
4	Updated As-Built for Projs. 3-19-0082-08	EAK	CPC	12/09
5	Revised per Partial Parallel Taxiway R/W 30	EAK	CPC	4/11
6	Updated As-Built Proj. 3-19-0082-09	EAK	CPC	12/11
7	Revised for Interim R/W 30	EAK	CPC	4/12
DRAWN BY LMD/TMB		DATE JUNE 2001	APPROVED BY CPC	DATE JUNE 2001
PREPARED BY: JFSCO ENGINEERING, P.C. CONSULTING ENGINEERS				
SHENANDOAH MUNICIPAL AIRPORT SHENANDOAH, IOWA				
AIRPORT LAYOUT PLAN				
SHEET 1 OF 10				