EXISTING BUILDINGS		
NO.	DESCRIPTION	ELEV. (AMSL)
1	Terminal	1080.35
2	Air Traffic Control Terminal (ATCT)	1121.05
3	Airport Rescue and Fire Fighting (ARFF)	1092.90
4	FBO Facility (Dubuque Jet Center)	1096.42
5	Electrical Vault	1080.33
6	Car Wash/De-Ice Facility	1084.18
7	Conventional Hangar	1098.84
8	Conventional Hangar	1095.78
9	Conventional Hangar	1099.99
10	Executive Hangar	1091.85
11	Executive Hangar	1093.81
12	Executive Hangar	1094.75
13	Executive Hangar	1099.99
14	Executive Hangar	1095.19
15	Executive Hangar	1094.48
16	T-Hangar	1086.63
17	T-Hangar	1087.50
18	T-Hangar	1090.00
19	T-Hangar	1088.26
20	T-Hangar	1086.00
21	Office Building (University Dubuque)	1084.00
22	US Army Reserve Facility	1099.67
23	US Army Reserve Facility	1097.59
24	US Army Reserve Facility	1082.70
25	US Army Reserve Facility	1089.83
26	North Shop	1089.48
27	Residence Garage	1086.66
28	Residence	1103.22
29	North Shop Garage	1079.49
30	Lagoon Pump House	1072.32
31	SRE Building	1091.02
32	Tennant Facility	1108.63
33	Tennant Facility	1099.87
34	Residential Trailer	1078.92
35	Residence Garage	1075.51

FUTURE BUILDINGS	
NO.	DESCRIPTION
A	Conventional Hangar
B	Conventional Hangar
C	Conventional Hangar
D	Conventional Hangar
E	Conventional Hangar
F	Executive Hargar
G	Executive Hargar
H	Executive Hargar
I	Executive Hargar
J	Executive Hargar
K	Executive Hargar
L	T-Hangar
M	T-Hangar
N	T-Hangar
O	T-Hangar
P	T-Hangar
Q	Terminal Builcing

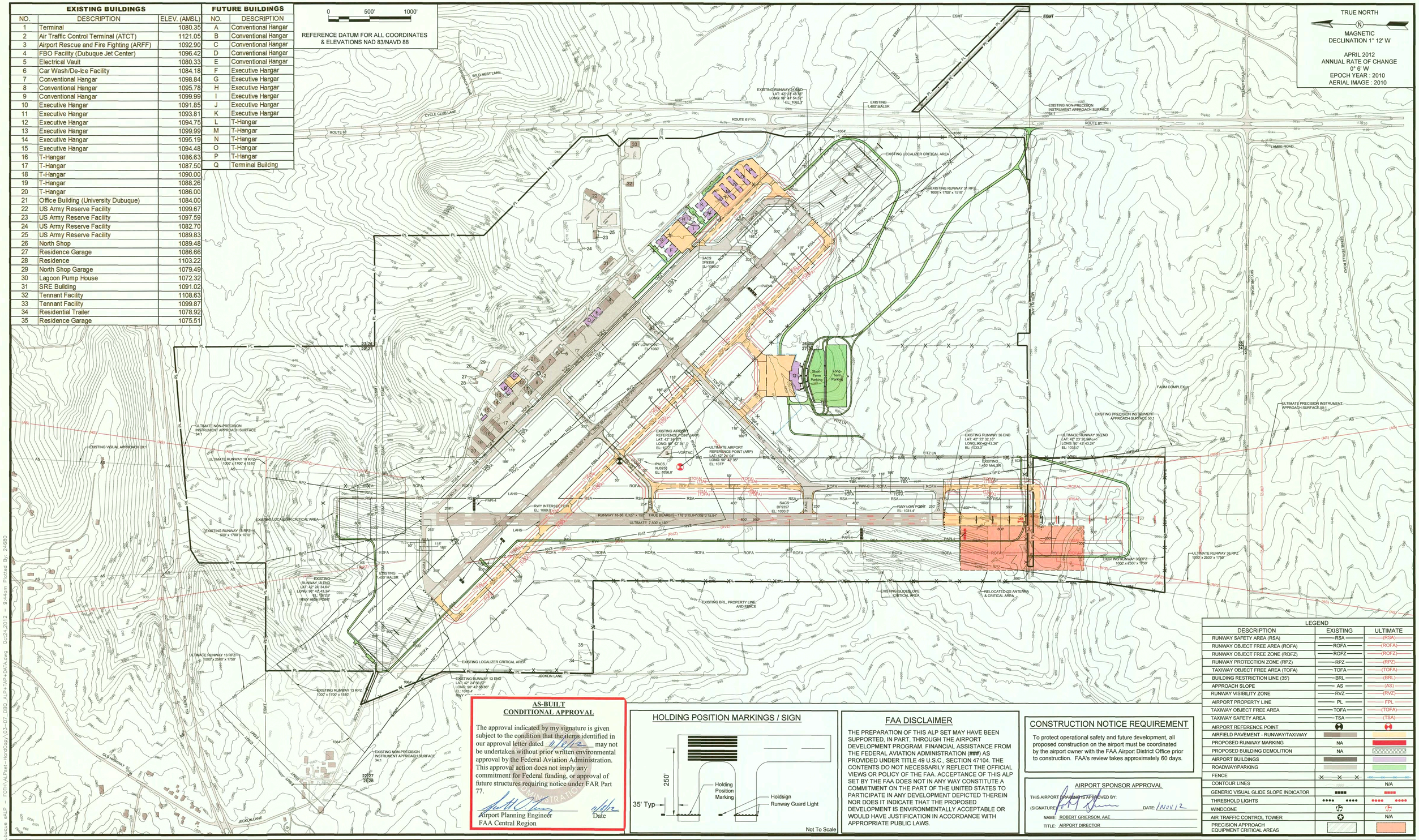
0 500' 1000'

REFERENCE DATUM FOR ALL COORDINATES & ELEVATIONS NAD 83/NAVD 88

TRUE NORTH

MAGNETIC DECLINATION 1° 12' W

APRIL 2012
ANNUAL RATE OF CHANGE 0° 6' W
EPOCH YEAR : 2010
AERIAL IMAGE : 2010



LEGEND		
DESCRIPTION	EXISTING	ULTIMATE
RUNWAY SAFETY AREA (RSA)	RSA	(RSA)
RUNWAY OBJECT FREE AREA (ROFA)	ROFA	(ROFA)
RUNWAY OBJECT FREE ZONE (ROFZ)	ROFZ	(ROFZ)
RUNWAY PROTECTION ZONE (RPZ)	RPZ	(RPZ)
TAXIWAY OBJECT FREE AREA (TOFA)	TOFA	(TOFA)
BUILDING RESTRICTION LINE (35')	BRL	(BRL)
APPROACH SLOPE	AS	(AS)
RUNWAY VISIBILITY ZONE	RVZ	(RVZ)
AIRPORT PROPERTY LINE	PL	FPL
TAXIWAY OBJECT FREE AREA	TOFA	(TOFA)
TAXIWAY SAFETY AREA	TSA	(TSA)
AIRPORT REFERENCE POINT		
AIRFIELD PAVEMENT - RUNWAY/TAXIWAY		
PROPOSED RUNWAY MARKING	NA	
PROPOSED BUILDING DEMOLITION	NA	
AIRPORT BUILDINGS		
ROADWAY/PARKING		
FENCE		
CONTOUR LINES		N/A
GENERIC VISUAL GLIDE SLOPE INDICATOR		
THRESHOLD LIGHTS		
WINDCONE		
AIR TRAFFIC CONTROL TOWER		N/A
PRECISION APPROACH EQUIPMENT CRITICAL AREAS		

AS-BUILT CONDITIONAL APPROVAL

The approval indicated by my signature is given subject to the condition that the items identified in our approval letter dated 11/1/12 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.

Airport Planning Engineer
FAA Central Region

11/1/12
Date

HOLDING POSITION MARKINGS / SIGN

Not To Scale

FAA DISCLAIMER

THE PREPARATION OF THIS ALP SET MAY HAVE BEEN SUPPORTED, IN PART, THROUGH THE AIRPORT DEVELOPMENT PROGRAM. FINANCIAL ASSISTANCE FROM THE FEDERAL AVIATION ADMINISTRATION (###) AS PROVIDED UNDER TITLE 49 U.S.C., SECTION 47104. THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICY OF THE FAA. ACCEPTANCE OF THIS ALP SET BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED THEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE OR WOULD HAVE JUSTIFICATION IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS.

CONSTRUCTION NOTICE REQUIREMENT

To protect operational safety and future development, all proposed construction on the airport must be coordinated by the airport owner with the FAA Airport District Office prior to construction. FAA's review takes approximately 60 days.

AIRPORT SPONSOR APPROVAL

THIS AIRPORT DRAWING IS APPROVED BY:

(SIGNATURE): DATE: 1 NOV 12

NAME: ROBERT GRIERSON, AAE

TITLE: AIRPORT DIRECTOR

REVISIONS	
DATE	DESCRIPTION
9/07/2012	AIP 48 – Rwy 13/31 RSA Improvements, Jecklin Ln Relocation
9/07/2012	AIP 49 – Farm Demolition for Terminal Site Prep
9/07/2012	AIP 50 – T-Hangar Construction & Twy Paving

CLIENT

Fly DBQ
DUBUQUE REGIONAL AIRPORT

PROJECT

AIRPORT LAYOUT PLAN

SHEET TITLE

AIRPORT LAYOUT PLAN

ATKINS
482 South Keller Road
Orlando, Florida 32810
Tel. (407) 647-7275
Fax (407) 806-4500
www.atkinsglobal.com/northamerica

JOB NO.: 100019874
DRAWN: ZEN
DESIGN: ZEN
CHECKED: MCE/JDH
DATE: OCTOBER 2012

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RUNWAY DATA

RUNWAY DATA	RUNWAY 18-36				RUNWAY 13-31			
	EXISTING		ULTIMATE		EXISTING		ULTIMATE	
	18	36	18	36	13	31	13	31
AIRCRAFT APPROACH CATEGORY-DESIGN GROUP	C-II		C/D-III		C-II		C-II	
APPROACH VISIBILITY MINIMUMS (LOWEST)	VISUAL	1/2 MILE	3/4 MILE	SAME	3/4 MILE	3/4 MILE	SAME	SAME
F.A.R. PART 77 CATEGORY	VISUAL	PRECISION	NON-P	SAME	NON-P	NON-P	SAME	SAME
PERCENTAGE OF WIND COVERAGE (ALL WEATHER IN MPH)	SEE WIND COVERAGE TABLES		SEE WIND COVERAGE TABLES		SEE WIND COVERAGE TABLES		SEE WIND COVERAGE TABLES	
MAXIMUM ELEVATION (ABOVE MSL)	1072.9		SAME		1076.5		SAME	
RUNWAY DIMENSIONS	6,327' x 150'		7,500' x 150'		6,502' x 100'		SAME	
RUNWAY BEARING (TRUE BEARING - DECIMAL DEGREES)	178.0544	358.0544	SAME	SAME	133.0448	313.0448	SAME	SAME
RUNWAY APPROACH SURFACES (F.A.R. PART 77)	20:1	50:1	34:1	SAME	34:1	34:1	SAME	SAME
RUNWAY THRESHOLD DISPLACEMENT	0'	0'	SAME	SAME	0'	0'	SAME	SAME
RUNWAY THRESHOLD SITING REQUIREMENTS (APPENDIX 2, CATEGORY)	C	G	E	SAME	E	G	F	
RUNWAY STOPWAY	0'	0'	SAME	SAME	0'	0'	SAME	SAME
RUNWAY SAFETY AREA (RSA)	8,327' x 500'		9,500' x 500'		8,502' x 500'		SAME	
RUNWAY SAFETY AREA (RSA) BEYOND RUNWAY STOP END	1,000'	1,000'	SAME	SAME	1000	1,000'	SAME	SAME
RUNWAY OBSTACLE FREE ZONE (OFZ)	6,727' x 400'		7,900' x 400'		6,902' x 400'		SAME	
RUNWAY OBJECT FREE AREA (OFA)	8,315' x 800'		9,500' x 800'		8,502' x 800'		SAME	
RUNWAY OBJECT FREE AREA (OFA) BEYOND RUNWAY STOP END	1,000'	1000'	SAME	SAME	1000'	1000'	SAME	SAME
TAKEOFF RUN AVAILABLE (TORA)	6,327'	6,327'	7,500'	7,500'	6,502'	6,502'	SAME	SAME
TAKEOFF DISTANCE AVAILABLE (TODA)	6,327'	6,327'	7,500'	7,500'	6,502'	6,502'	SAME	SAME
ACCELERATE-STOP DISTANCE AVAILABLE (ASDA)	6,327'	6,327'	7,500'	7,500'	6,502'	6,502'	SAME	6,502'
LANDING DISTANCE AVAILABLE (LDA)	6,327'	6,327'	7,500'	7,500'	6,502'	6,502'	SAME	6,502'
RUNWAY PAVEMENT SURFACE MATERIAL	CONCRETE		SAME		CONCRETE		SAME	
RUNWAY PAVEMENT SURFACE TREATMENT	GROOVED		SAME		GROOVED		SAME	
RUNWAY PAVEMENT STRENGTH (IN THOUSAND LBS.)	75(S)/173(D)/275(DT)		SAME		75(S)/125(D)/215(DT)		SAME	
RUNWAY EFFECTIVE GRADIENT	0.63%		0.53%		0.25%		SAME	
RUNWAY TOUCHDOWN ZONE ELEVATION (ABOVE MSL)	1072.9	1047.9	SAME	1036.8	1076.4	1062.3	1076.5	1062.3
RUNWAY MARKING	PRECISION	PRECISION	SAME	SAME	PRECISION	PRECISION	SAME	SAME
RUNWAY LIGHTING	HIRL		SAME		HIRL		SAME	
RUNWAY APPROACH LIGHTING	NONE	MALSR	MALS	SAME	MALS	MALSR	SAME	SAME
RUNWAY HOLD LINE POSITION (FROM RUNWAY CENTERLINE)	250'		250'		250'		SAME	
TAXIWAY LIGHTING	MITL		SAME		MITL		SAME	
TAXIWAY MARKING	CENTERLINE		SAME		CENTERLINE		SAME	
TAXIWAY SURFACE MATERIAL	ASPHALT		SAME		ASPHALT		SAME	
TAXIWAY WIDTH	VARIES (50' TO 75')		SAME		VARIES (50' TO 75')		SAME	
TAXIWAY SAFETY AREA WIDTH	79'		118'		79'		SAME	
TAXIWAY OBJECT FREE AREA WIDTH	131'		186'		131'		SAME	
RUNWAY VISUAL NAVIGATIONAL AIDS	PAPI-4 L THRESHOLD LIGHTS	PAPI-4 L THRESHOLD LIGHTS	SAME	SAME	VASI-4 R THRESHOLD LIGHTS	PAPI-4 L THRESHOLD LIGHTS	SAME	SAME
RUNWAY ELECTRONIC NAVIGATIONAL AIDS	NONE	ILS, VOR, GPS	GPS	ILS, VOR, GPS	VOR,GPS, LOC/DME BC	GPS, VOR, LOC	SAME	GPS/DME VOR, LOC

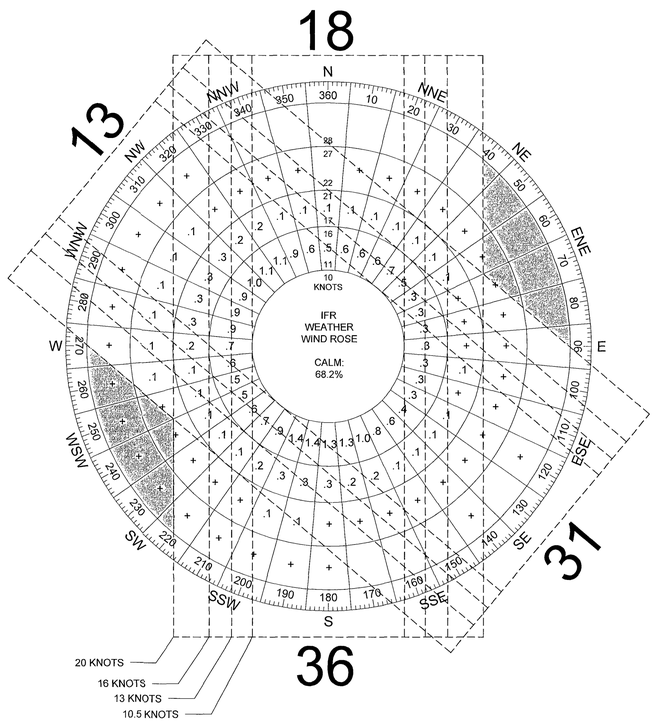
AIRPORT DATA

DUBUQUE REGIONAL AIRPORT (DBQ)

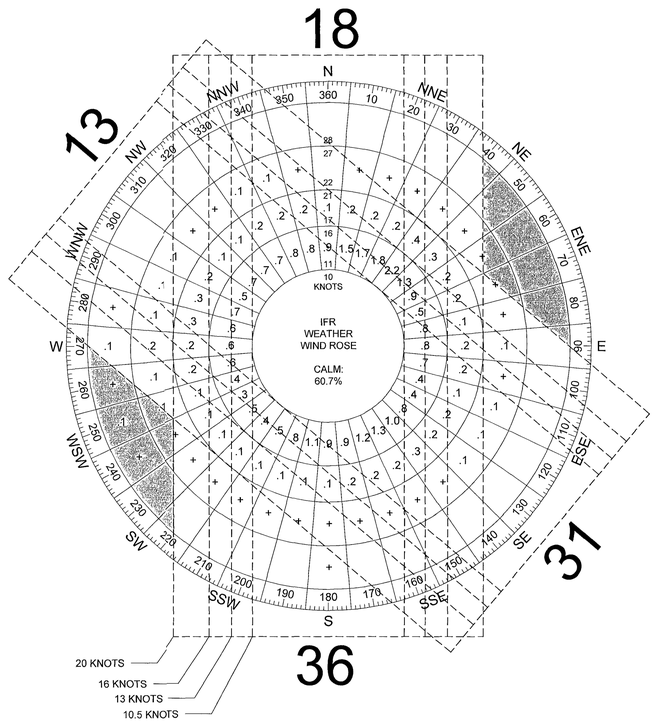
CITY: DUBUQUE, IOWA | COUNTY: DUBUQUE, IOWA | RANGE: 2 EAST | TOWNSHIP: 88 NORTH

		EXISTING	ULTIMATE
AIRPORT SERVICE LEVEL		AIR CARRIER	AIR CARRIER
AIRPORT REFERENCE CODE		C-II	D-III
DESIGN AIRCRAFT		ERJ 135/145	BOEING 737
AIRPORT ELEVATION		1077' MSL	1077' MSL
MEAN MAXIMUM TEMPERATURE OF HOTTEST MONTH		82° F (JULY)	82° F (JULY)
AIRPORT REFERENCE POINT (ARP) COORDINATES (NAD 83)	LATITUDE	42° 24' 07" N	42° 24' 04" N
	LONGITUDE	90° 42' 34" W	090° 42' 35" W
AIRPORT AND TERMINAL NAVIGATIONAL AIDS		ILS (36) VOR OR GPS (13/36) GPS (31) LOC/DME BC (13) VOR (31) LOC (31) ROTATING BEACON PAPI-4 (18/31/36) VASI-4 (13)	ILS (36) VOR OR GPS (13/36/18) GPS (31) LOC/DME BC (13) VOR (31) LOC (31) ROTATING BEACON PAPI-4 (18/31/36) VASI-4 (13)
GPS APPROACH		13/31/36	13/18/31/36

ALL WEATHER WIND ROSE



IFR WIND ROSE



ALL WEATHER WIND ROSE

CROSSWIND	COVERAGE		
	13/31	18/36	COMBINED
10.5 KTS / 12 MPH	86.20%	92.99%	97.75%
13 KTS / 15 MPH	92.38%	96.46%	98.27%
16 KTS / 18.5 MPH	97.67%	99.18%	99.43%
20 KTS / 23 MPH	99.39%	99.82%	99.86%

SOURCE:
NOAA National Climatic Data Center
Asheville, North Carolina
Dubuque Regional Airport (DBQ)
Dubuque, Iowa

OBSERVATIONS:
84,337 -All Weather Observations
7,637 - IFR Observations

PERIOD OF RECORD:
2000-2009

IFR WEATHER WIND ROSE

CROSSWIND	COVERAGE		
	13/31	18/36	COMBINED
10.5 KTS / 12 MPH	80.19%	84.41%	95.75%
13 KTS / 15 MPH	88.67%	90.81%	98.27%
16 KTS / 18.5 MPH	96.45%	95.57%	99.43%
20 KTS / 23 MPH	99.19%	98.41%	99.86%

EXISTING DECLARED DISTANCE

	RW 18	RW 36	RW 13	RW 31
TAKE-OFF RUN AVAILABLE (TORA)	6,327'	6,327'	6,502'	6,502'
TAKE-OFF DISTANCE AVAILABLE (TODA)	6,327'	6,327'	6,502'	6,502'
LANDING DISTANCE AVAILABLE (LDA)	6,327'	6,327'	6,502'	6,502'
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	6,327'	6,327'	6,502'	6,502'

ULTIMATE DECLARED DISTANCE STANDARDS

	RW 18	RW 36	RW 13	RW 31
TAKE-OFF RUN AVAILABLE (TORA)	7,500'	7,500'	6,502'	6,502'
TAKE-OFF DISTANCE AVAILABLE (TODA)	7,500'	7,500'	6,502'	6,502'
LANDING DISTANCE AVAILABLE (LDA)	7,500'	7,500'	6,502'	6,502'
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	7,500'	7,500'	6,502'	6,502'

RUNWAY END COORDINATES (NAD 83)

RUNWAY		EXISTING	ULTIMATE
RUNWAY 13	LATITUDE	42° 24' 33.52" N	42° 24' 33.52" N
	LONGITUDE	90° 42' 55.86" W	90° 42' 55.86" W
RUNWAY 31	LATITUDE	42° 23' 48.16" N	42° 23' 48.16" N
	LONGITUDE	90° 41' 54.52" W	90° 41' 54.52" W
RUNWAY 18	LATITUDE	42° 24' 34.64" N	42° 24' 34.64" N
	LONGITUDE	90° 42' 43.341" W	90° 42' 43.341" W
RUNWAY 36	LATITUDE	42° 23' 32.152" N	42° 23' 20.56" N
	LONGITUDE	90° 42' 43.258" W	90° 42' 43.24" W

THRESHOLD SITING SURFACE OBJECT PENETRATIONS

OBJECT	PENETRATION	MITIGATION
NONE		

DEVIATIONS FROM FAA AIRPORT DESIGN STANDARDS

DEVIATION DESCRIPTION	EFFECTED DESIGN STANDARD	STANDARD	EXISTING	PROPOSED MITIGATION
RUNWAY 36 OBJECT FREE AREA BEYOND RUNWAY END	RUNWAY OBJECT FREE AREA	1000' FROM RUNWAY END	988' FROM RUNWAY END	EXTEND RUNWAY 36 BY 1,173'
RUNWAY 13 SAFTEY AREA BEYOND RUNWAY END	RUNWAY SAFTEY AREA	1000' FROM RUNWAY END	800' FROM RUNWAY END	RELOCATE LOCALIZER

OBSTACLE FREE ZONE (OFZ) OBJECT PENETRATIONS

OBJECT	PENETRATION	MITIGATION
NONE		

MODIFICATIONS FROM FAA AIRPORT DESIGN STANDARDS

MODIFICATION DESCRIPTION	APPROVAL DATE	AIRSPACE CASE NUMBER	STANDARD MODIFIED
NONE			

REVISIONS

DATE	DESCRIPTION
9/07/2012	AIP 48 – Rwy 13/31 RSA Improvements, Jecklin Ln Relocation

CLIENT: Fly DBQ — DUBUQUE REGIONAL AIRPORT

PROJECT: AIRPORT LAYOUT PLAN

SHEET TITLE: DATA SHEET

ATKINS
482 South Keller Road | Tel. (407) 647-7275
Orlando, Florida 32810 | Fax (407) 806-4500
www.atkinsglobal.com/northamerica

JOB NO.: 100019874
DRAWN: ZEN
DESIGN: ZEN
CHECKED: MCE/JDH
DATE: OCTOBER 2012

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