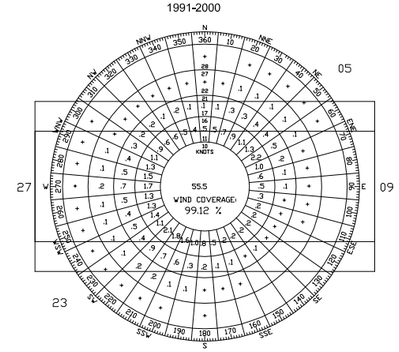
AIRPORT DATA

Item	Inaugural Data
Airport Reference Code	C-IV
Airport Elevation	790.38'
Magnetic Declination/ Annual Rate of Change	2° 54' W / 0° 5' W per year / Aug 2006
ARP-Latitude (NAD '83)	41° 22' 10.91" N
ARP-Longitude (NAD '83)	87° 41' 24.39" W
Mean Max. Temp. - Hottest Month	83.7°F
Weather Aids on Airport	AWOS, LLWAS, Wind Cone
Navigational Aids	ATCT, ARB, ILS, ASR, RVR
County	Will
Township	Will, Monee, Washington

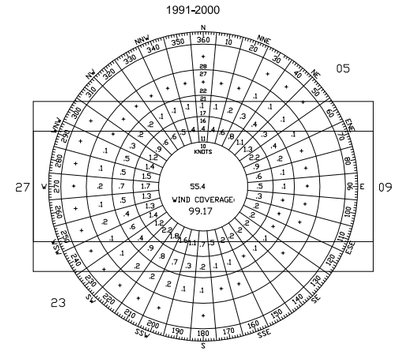
ALL WEATHER - WINDROSE

1991-2000



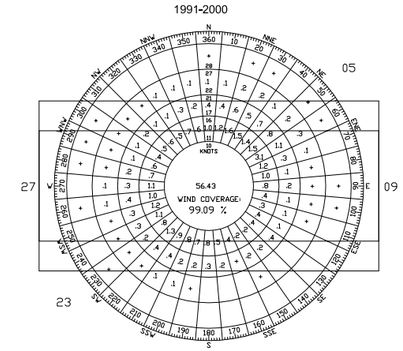
VFR WEATHER - WINDROSE

1991-2000



IFR CONDITIONS - WINDROSE

1991-2000



ALL WEATHER WIND COVERAGE

RUNWAY	CROSSWIND COMPONENTS			
	10.5 Knot	13 Knot	16 Knot	20 Knot
9-27	82.35%	91.21%	95.86%	98.89%

VFR WIND COVERAGE

RUNWAY	CROSSWIND COMPONENTS			
	10.5 Knot	13 Knot	16 Knot	20 Knot
9-27	81.35%	91.17%	95.65%	99.03%

IFR WIND COVERAGE

RUNWAY	CROSSWIND COMPONENTS			
	10.5 Knot	13 Knot	16 Knot	20 Knot
9-27	86.55%	89.84%	94.73%	98.66%

Critical Aircraft Characteristics By Runway

Item	Runway 9R/27L	Runway 9L/27R
	Boeing 767-300/300ER (C-IV)	Beech Super King Air-B200 (B-II)
Max. Aircraft Takeoff Weight	405,000 Lbs	12,500 Lbs
Max. Aircraft Landing Weight	320,000 Lbs.	12,500 Lbs.
Approach Speed	135 Knots	105 Knots
Length (overall)	180' 3"	43' 10"
Wing Span	156' 1"	54' 6"
Tail Height	52' 7"	15' 0"

RUNWAY DATA

Item		Runway 9R-27L		Runway 9L-27R	
		9 R	27 L	9 L	27 R
Approach Visibility Minimums (RVR)		5000'	2400'	5000'	5000'
Aircraft Approach Speed Category and Airplane Design Group		C-IV		B - II	
Runway Dimensions (Length x Width in feet)		9,500' x 150'		5,000' x 75'	
Surface		Paved		Paved	
Effective Gradient		0.00%		.80%	
Runway Stopway/Clearway		None	None	None	None
Runway Threshold Displacement		None	None	None	151'
Max. Pavement Strength (lbs)		500,000		12,500	
Runway End Coordinates	Latitude (N)	41° 21' 56.60"	41° 21' 55.91"	41° 22' 38.59"	41° 22' 38.86"
	Longitude (W)	87° 42' 46.32"	87° 40' 41.74"	87° 41' 19.89"	87° 40' 14.29"
Runway Bearing (True)		90° 24'	270° 26'	89° 40'	269° 41'
Runway End Elevation		761.0'	761.0'	790.1'	772.3'
Runway High/Low Elevations		High 761.0'/Low 761.0'		High 790.35' / Low 770.32'	
FAA Part 77 Category		Non-Precision Instrument	Precision Instrument - CAT I	Non-precision Instrument	Non-precision Instrument
Runway TDZE Elevation		761.0'	761.0'	790.35'	771.7'
NAVAIDS and Visual Aids		PAPI (4)	GS, LOC, PAPI(4), RVR,OM	VOR/DME	VOR/DME
Runway Lighting		REIL, CL	MALSR, CL, TH,HIRL	REIL/MIRL	REIL/MIRL
Runway Markings		Precision		Non-precision Instrument	Non-precision Instrument
Runway Safety Area (LengthxWidth)		1,000' x 500'	1,000' x 500'	150' x 300'	150' x 300'
Runway Object Free Area (LengthxWidth)		800' x 1,000'	800' x 1,000'	500' x 300'	500' x 300'
Runway Protection Zone (RPZ)		1,000' x 1,510' x 1,750'	1,000' x 1,750' x 2,500'	500' x 700' x 1,000'	500' x 700' x 1,000'
Runway Obstacle Free Zone (OFZ) (Width x Length beyond end of runway)		400' x 200'	400' x 200'	300' x 200'	300' x 200'
Inner Approach (OFZ) (Width x Length)/Slope		None	400' x 2,400' / 1:50	None	None
Inner Transitional OFZ (Height "H"/Slope)		None	805.0' MSL / 6:1	None	None
Runway Precision Obstacle Free Zone (Width x Length beyond end of runway)		None	800' x 200'	None	None
Approach Surfaces (slope Inner/Outer) (FAR Part 77)		34:1 / None	50:1 / 40:1	20:1 / None	20:1 / None
Approach Surfaces (Inner, W1 x W2 x L) (FAR Part 77)		1,000' x 4,000' x 10,000'	1,000' x 4,000' x 10,000'	500' x 2,000' x 5,000'	500' x 2,000' x 5,000'
Approach Surfaces (Outer, W1 x W2 x L) (FAR Part 77)		NA	4,000' x 16,000' x 40,000'	NA	NA
Threshold Siting Criteria (Category, Inner/Outer Width x Length, Slope) (FAA AC 150-5300-13, Change 10, Appendix 2)		CAT (3), 400' x 1,000' x 1,500', Slope 20:1	CAT (8), 800' x 3,800' x 10,000', Slope 34:1	CAT (5), 400' x 3800' x 10,000' Slope 20:1	CAT (5), 400' x 3800' x 10,000', Slope 20:1

TAXIWAY DATA

Taxiway Name	Location	Design Category	Taxiway Width	TSA	TOFA
A	Passenger Terminal Area	IV	75'	171'	259'
B	Parallel to RW 9R-27L	IV	75'	171'	259'
B-1	Between RW 9R-27L and TW B	IV	75'	171'	259'
B-2	Between RW 9R-27L and TW B	IV	75'	171'	259'
B-3	Between RW 9R-27L and TW B	IV	75'	171'	259'
B-4	Between RW 9R-27L and TW B	IV	75'	171'	259'
C	Between TW B and TW D	IV	75'	171'	259'
D	Between TW C and RW 9L-27R	B-II	35'	79'	131'
E	Parallel to RW 9L-27R	B-II	35'	79'	131'
E-1	Between RW 9L-27R and TW D	B-II	35'	79'	131'
E-2	Between RW 9L-27R and TW D	B-II	35'	79'	131'
E-3	Between RW 9L-27R and TW D	B-II	35'	79'	131'
E-4	Between RW 9L-27R and TW D	B-II	35'	79'	131'
E-5	Between RW 9L/27R and TW D	B-II	35'	79'	131'

NOTES:

1. NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.
2. NO OBSTACLE FREE ZONE (OFZ) OBJECT PENETRATIONS.
3. RUNWAY ELEVATIONS SHOWN ARE IN MEAN SEA LEVEL (MSL), UNLESS OTHERWISE NOTED.
4. LATITUDE AND LONGITUDE ARE BASED ON NAD 83 DATUM.

LEGEND

ARB	Airport Rotating Beacon	ILS	Instrument Landing System
ARP	Airport Reference Point	LLWAS	Low Level Wind Shear Alert System
ARFF	Aircraft Rescue and Fire Fighting Facility	MTOW	Maximum Take-off Weight
ASDE	Airport Surface Detection Equipment	PAX	Passengers
ASR	Airport Surveillance Radar	SRE	Snow Removal Equipment
ATCT	Airport Traffic Control Tower	TCH	Threshold Crossing Height
AWOS	Automatic Weather Observation Station (NOAA)	TDZE	Touch Down Zone Elevation

SOURCES:

1. FAA AC150-5300-13, CHANGE 12, "AIRPORT DESIGN"
2. FAA FAR PART 77, OBJECTS AFFECTING NAVIGABLE AIRSPACE
3. FAA PPM 5310.1, Oct. 1, 2006, "PREPARATION AND REVIEW OF AIRPORT LAYOUT PLAN"
4. FAA AC 150/5070-6B "AIRPORT MASTER PLAN, APPENDIX 7"
5. MAGNETIC DECLINATION IS BASED ON NATIONAL GEOPHYSICS DATA CENTER COMPUTATION
6. MEAN MAXIMUM TEMPERATURE OF THE HOTTEST MONTH IS OBTAINED FROM NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) " DATA PROVIDED BY THE ILLINOIS STATE CLIMATOLOGIST'S OFFICE, A PART OF THE ILLINOIS STATE WATER SURVEY (ISWS), LOCATED IN CHAMPAIGN, PEORIA, CARBONDALE, AND CHICAGO, ILLINOIS, AND ON THE WEB AT: www.sws.uiuc.edu/atmos/statecli."
7. WINDROSE INFORMATION IS BASED ON WEATHER RECORDS FROM MIDWAY AIRPORT WEATHER STATION.
8. 767-300/300ER/FREIGHTER AIRPORT PLANNING MANUAL, THE BOEING COMPANY
9. BEECH SUPER KING AIR (B200) MANUFACTURER TECHNICAL DATA SHEET, RAYTHEON AIRCRAFT COMPANY

PRELIMINARY DRAFT

EarthTech
A tyco International Ltd. Company
10 S. Riverside Plaza
Suite 1900
Chicago, IL 60606
Tel. (312) 902-7100
Fax (312) 902-7044

Illinois Department of Transportation

NO.	BY	DATE	DESCRIPTION	NO.	BY	DATE	DESCRIPTION

REVISIONS

DESIGN BY:
DRAWN BY: CH, DK
CHECKED BY: JF,AY,GC
APPROVED BY:

South Suburban Airport
INAUGURAL AIRPORT LAYOUT PLAN
DATA SHEET
(DBO to DBO+5)

MAGNETIC DECLINATION 2°54' (WEST)
ANNUAL RATE OF CHANGE 0° 5' 0" WEST

SCALE: NOT TO SCALE
DATE: 3-1-2008
JOB NO. 57884

Worksheet no. 3