

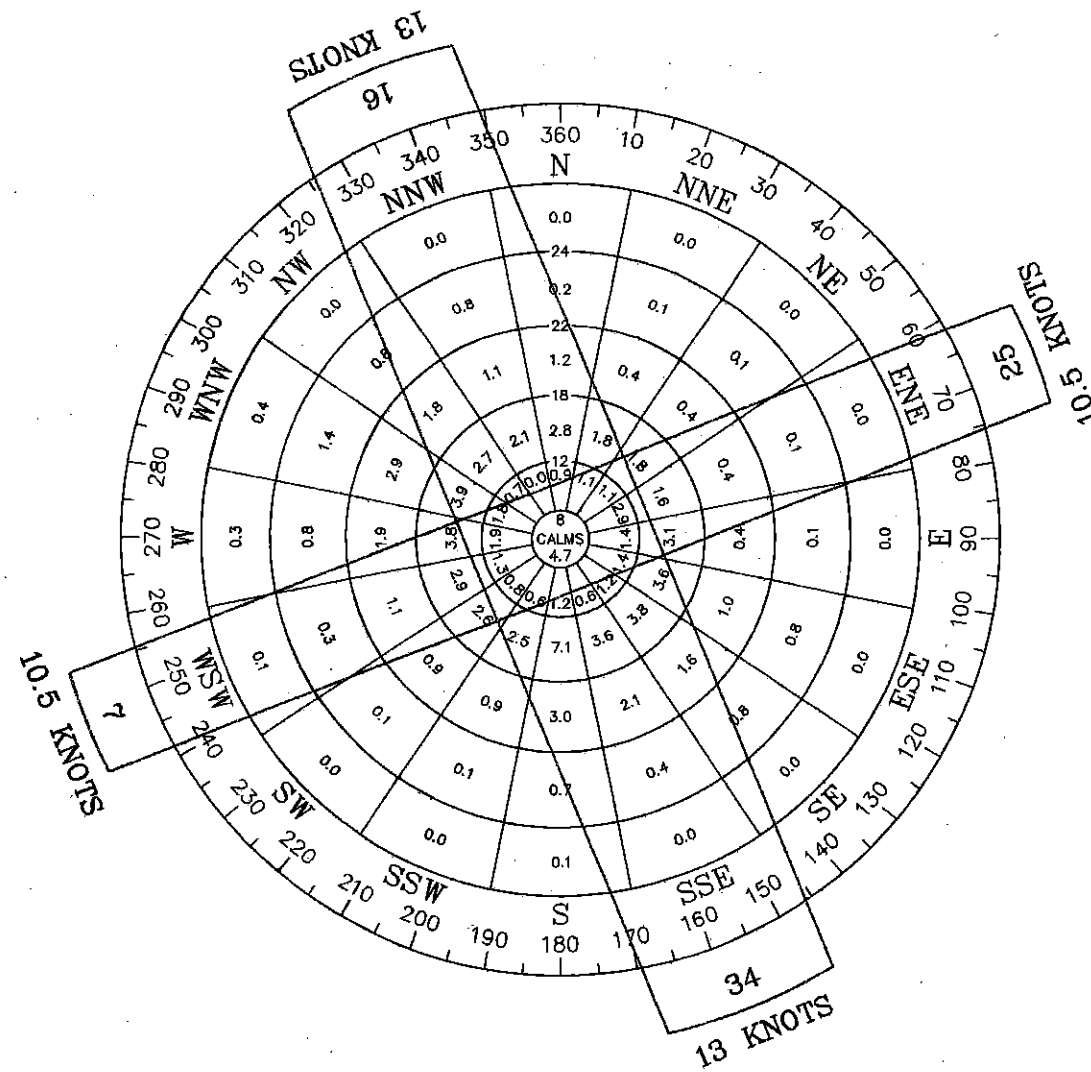
EXISTING WIND COVERAGE TABLE				
AIRPORT WIND COVERAGE: 99.9%*				
RUNWAY	CROSS WIND COMPONENTS			
	10.5 KNOTS	13 KNOTS	16 KNOTS	20 KNOTS
16/34	91.1%	95.8%	98.4%	99.5%
7/25	86.0%	93.5%	97.9%	99.6%
COMBINED	97.2%	98.9%	99.7%	99.9%

*AIRPORT WIND COVERAGE REFLECTS A 20 KNOT MAXIMUM CROSS WIND COMPONENT FOR RUNWAY 16/34 AND A 20 KNOT MAXIMUM CROSS WIND COMPONENT FOR RUNWAY 7/25.

EXISTING AIRPORT COORDINATE TABLE*			
LOCATION	LATITUDE N.	LONGITUDE W.	ELEVATION
RUNWAY 16 (PAVED & TURF)	38° 43' 42.38"	90° 30' 39.28"	447.0
RUNWAY 34 (PAVED)	38° 43' 21.63"	90° 30' 28.81"	447.0
RUNWAY 34 (TURF)	38° 43' 16.49"	90° 30' 26.23"	447.0
RUNWAY 7 (TURF)	38° 43' 35.19"	90° 30' 35.43"	447.0
RUNWAY 25 (TURF)	38° 43' 47.19"	90° 30' 00.43"	447.0

*COORDINATES ARE EXPRESSED IN 1983 NORTH AMERICAN DATUM (NAD 83).

EXIST. CRITICAL AIRCRAFT DATA TABLE			
RUNWAY	16/34 PAVED	16/34 TURF	7/25 TURF
AIRCRAFT DESIGN GROUP	I	I	I
AIRCRAFT APPROACH CATEGORY	B	A	A
RUNWAY LENGTH	BEECHCRAFT BARON 58P	PIPER PA-18 SUPER CUB	PIPER PA-18 SUPER CUB
RUNWAY STRENGTH	BEECHCRAFT BARON 58P	PIPER PA-18 SUPER CUB	PIPER PA-18 SUPER CUB
WINGSPAN	BEECHCRAFT BARON 58P	PIPER PA-18 SUPER CUB	PIPER PA-18 SUPER CUB



ALL WEATHER WIND ROSE
ST. LOUIS INTERNATIONAL AIRPORT
ST. LOUIS, MISSOURI
PERIOD 1978 TO 1987

PROP. WIND COVERAGE TABLE		
AIRPORT WIND COVERAGE: 98.8%*		
RUNWAY	CROSS WIND COMPONENTS	
	10.5 KNOTS	13 KNOTS
16/34	91.1%	95.8%
7/25	86.0%	-
COMBINED	97.2%	-

*AIRPORT WIND COVERAGE REFLECTS A 13 KNOT MAXIMUM CROSS WIND COMPONENT FOR RUNWAY 16/34 AND A 10.5 KNOT MAXIMUM CROSS WIND COMPONENT FOR RUNWAY 7/25.

PROPOSED AIRPORT COORDINATE TABLE*			
LOCATION	LATITUDE N.	LONGITUDE W.	ELEVATION
RUNWAY 16	38° 43' 53.84"	90° 30' 48.33"	447.0
RUNWAY 34	38° 43' 12.48"	90° 30' 27.45"	450.0
RUNWAY 7	38° 43' 36.80"	90° 30' 40.23"	447.0
RUNWAY 25	38° 43' 47.04"	90° 30' 07.41"	447.0
NON DIRECTIONAL BEACON	38° 43' 22.17"	90° 30' 22.57"	482.0

*COORDINATES ARE EXPRESSED IN 1983 NORTH AMERICAN DATUM (NAD 83).

PROP. CRITICAL AIRCRAFT DATA TABLE		
RUNWAY	16/34	7/25
AIRCRAFT DESIGN GROUP	II	I
AIRCRAFT APPROACH CATEGORY	B	B
RUNWAY LENGTH	BEECHCRAFT SUPER KING AIR 200	BEECHCRAFT BARON 58P
RUNWAY STRENGTH	BEECHCRAFT SUPER KING AIR 200	BEECHCRAFT BARON 58P
WINGSPAN	BEECHCRAFT SUPER KING AIR 200	BEECHCRAFT BARON 58P

EXISTING AIRPORT DATA TABLE

Airport Reference Code		Mean Max. Temp.-Hottest Month		90'	Twp. MARYLAND HEIGHTS	Airport Reference Point											
Existing		Established Elev. of Airport		447.0 MSL	Co. ST. LOUIS		Latitude N. Longitude W.										
B-I		Airport Elect. Aids			38° 43' 34.54"		90° 30' 27.57"										
RUNWAY DATA																	
Runway	Effective Length And Width		% Wind Coverage	Surface	Effective Gradient %	Runway Marking	Lights	Pav't Loading Gross Weight (1000 lbs.) Aircraft Gear			Runway Protection Zone	Visual Aids	Touchdown Zone Elevations	Approach Slope And Type	Runway Safety Area	Object Free Area	Obstacle Free Zone
	Landing	Takeoff						Sing	Dual	Dual Tand.							
16	2258 x 29	2258 x 29	91.1 10.5 KNOTS	PAVED	.00	VSUAL	LIRL	2	-	-	250'x450' x1000'	NONE	447	20:1 VSUAL	2738' 120'	2858' 250'	2658' 250'
34	2258 x 29	2258 x 29	99.5 20 KNOTS	TURF	.00	TURF	NONE	-	-	-	250'x450' x1000'	NONE	447	20:1 VSUAL	3300' 120'	3420' 250'	3220' 250'
7	3020 x 175	3020 x 175	99.6 20 KNOTS	TURF	.00	TURF	NONE	-	-	-	250'x450' x1000'	NONE	447	20:1 VSUAL	3500' 120'	3620' 250'	3420' 250'
25	3020 x 175	3020 x 175	99.9	TURF	.00	TURF	NONE	-	-	-	250'x450' x1000'	NONE	447	20:1 VSUAL	3500' 120'	3620' 250'	3420' 250'

PROPOSED AIRPORT DATA TABLE

Airport Reference Code		Mean Max. Temp.-Hottest Month		90'	Twp. MARYLAND HEIGHTS	Airport Reference Point											
Proposed		Established Elev. of Airport		450.0 MSL	Co. ST. LOUIS		Latitude N. Longitude W.										
B-II		Airport Elect. Aids		NDB, GPS, ROTATING BEACON	38° 43' 36.52"		90° 30' 32.49"										
RUNWAY DATA																	
Runway	Effective Length And Width		% Wind Coverage	Surface	Effective Gradient %	Runway Marking	Lights	Pav't Loading Gross Weight (1000 lbs.) Aircraft Gear			Runway Protection Zone	Visual Aids	Touchdown Zone Elevations	Approach Slope And Type	Runway Safety Area	Object Free Area	Obstacle Free Zone
	Landing	Takeoff						Sing	Dual	Dual Tand.							
16	4500 x 75	4500 x 75	95.8 13 KNOTS	PAVED	.07	NON PREC	MIRL	12.5	-	-	500'x650' x1000'	VGSI REIL	447	20:1 VSUAL	5100' 150'	5700' 500'	4900' 250'
34	4500 x 75	4500 x 75	99.5 20 KNOTS	TURF	.00	TURF	NONE	-	-	-	500'x800' x1000'	VGSI REIL	450	20:1 NON PREC	5100' 150'	5700' 500'	4900' 250'
7	2800 x 60	2800 x 60	86.0 10.5 KNOTS	PAVED	.00	NON PREC	MIRL	8.0	-	-	500'x800' x1000'	VGSI REIL	447	20:1 NON PREC	3280' 120'	3400' 250'	3200' 250'
25	2800 x 60	2800 x 60	98.8	PAVED	.00	NON PREC	MIRL	8.0	-	-	500'x650' x1000'	VGSI REIL	447	20:1 VSUAL	3280' 120'	3400' 250'	3200' 250'