

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW09 CLIMB TO 3000 DIRECT ZAMLU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 271.25 INBOUND. FAS OBST: 999 AAO 443508N/0923656W OBST: 1241 AAO 443459N/0923725W DISTANCE TO THLD FROM 200 HATH: 0.47 NM. CHART VDP AT 1.36 MILES TO RW09* *LNAV ONLY. WAAS CHANNEL # 56526 REFERENCE PATH ID: W09A LTP HAE: 206.8 M											
JUGAN (IF/IAF)	ETEXY (FB)	090.83 / 6.90	2700												
ETEXY (FAF)	RW09 (MAP) (FO)	090.94 / 5.88													
RW09 (MAP)	978 MSL	090.94													
978 MSL	ZAMLU (FO)		3000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W JUGAN, RT, 090.83 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 090.94 FAF: ETEXY DIST FAF TO MAP: 5.88 THLD: 5.88 4. MIN. ALT: JUGAN 3000, ETEXY 2700 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 2700 GS ALT AT: ETEXY 2700 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 49.7 34:1 IS CLEAR 8. MSA FROM:				MAG VAR: 2E EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @									
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	978	1/2	200	978	1/2	200	978	1/2	200	978	1/2	200			
LNAV/VNAV DA	1160	3/4	382	1160	3/4	382	1160	3/4	382	1160	3/4	382			
LNAV MDA	1260	1/2	482	1260	1/2	482	1260	1	482	1260	1	482			
CIRCLING	1480	1	702	1520	1	742	1540	2 1/4	762	1540	2 1/2	782			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING SOUTH ST PAUL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 38C (100F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VDP NA WITH SOUTH ST PAUL ALTIMETER SETTING. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 778 THRE: 778		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
RED WING, MN		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 9, AMDT 1				AMDT: ORIG-A					
		RED WING RGNL				15 DEC 2011				DATED 05/16/2002					

RNAV - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTH ST PAUL ALTIMETER SETTING AND INCREASE ALL DA 72 FEET AND ALL MDA 80 FEET; INCREASE LNAV/VNAV VISIBILITY 3/8 MILE ALL CATS, LNAV AND CIRCLING CAT B/C/D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT C/D VISIBILITY 3/8 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING SOUTH ST PAUL ALTIMETER SETTING, INCREASE LPV VISIBILITY 3/8 MILE ALL CATS, LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY 3/4 MILE.

TAA

	FROM	TO	ALT
1.	001/30 CW 181/30 (NOPT)	001/20 CW 181/20	3500
2.	001/20 CW 181/20	JUGAN (IF/IAF) (FB)	3000
3.	181/30 CW 001/30	JUGAN (IF/IAF) (FO)	3100

QUALITY
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FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KRGK
RUNWAY RW09
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W09A
LTP/FTP LATITUDE 443523.0025N
LTP/FTP LONGITUDE 0922940.4530W
LTP/FTP ELLIPSOIDAL HEIGHT +02068
FPAP LATITUDE 443518.2600N
FPAP LONGITUDE 0922735.9500W
THRESHOLD CROSSING HEIGHT (TCH) 00049.7
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

EF33C45D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +02371
FPAP ORTHOMETRIC HEIGHT +02371

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KRGKK3FR09	AJUGAN	010JUGANK3EA0EE	AR	HF		09080040		+ 03000	18000			A JS	
SUSAP KRGKK3FR09	R	010JUGANK3EA0E	I	IF				+ 03000	18000			A JS	
SUSAP KRGKK3FR09	R	020ETEXYK3EA1E	F	051TF		09080069		+ 02700				A JS	
SUSAP KRGKK3FR09	R	020ETEXYK3EA2WALPV			ALNAV/VNAV							JS	
SUSAP KRGKK3FR09	R	030RW09 K3PGOGY	M	031TF		09090059		00828		-300		A JS	
SUSAP KRGKK3FR09	R	040	0	M	CA	0909		+ 00978				A JS	
SUSAP KRGKK3FR09	R	050ZAMLUK5EA0EY		DF				+ 03000				A JS	
SUSAP KRGKK3FR09	R	060ZAMLUK5EA0EE	R	HMM		27130040		+ 03000				A JS	

[illegible][illegible]

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