

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		LP: RW34 LNAV: RW34 CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3000 DIRECT ZIQPO AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1049 TREE 444939N/0930112W CHART FAS OBST: 1069 TREE 444937N/0930142W OBST: 1136 AAO 444554N/0930115W WAAS CHANNEL # 99636 REFERENCE PATH ID: W34A CHART: APT ELEV 821 CHART CIRCLING ICON LTP HAE: 221.9 M						
FGT VORTAC	ZIQPO (FO)			074.05 / 10.19			3000								
PRESS (IAF)	ZIQPO (NOPT) (FB)			259.97 / 11.57			3000								
ZIQPO (IF/IAF)	AVBAF (FB)			342.50 / 6.14			2400								
AVBAF (FAF)	RW34 (MAP) (FO)			342.46 / 4.84											
RW34 (MAP)	1400 MSL						1400								
1400 MSL	ZIQPO (FO)						3000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S ZIQPO, RT, 342.50 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 342.46 FAF: AVBAF DIST FAF TO MAP: 4.84 THLD: 4.84 4. MIN. ALT: ZIQPO 3000, AVBAF 2400 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW34 3500										MAG VAR: 0E EPOCH YEAR: 2015					
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
LP MDA	1300	1	480	1300	1	480	1300	1 3/8	480	1300	1 3/8	480			
LNAV MDA	1320	1	500	1320	1	500	1320	1 3/8	500	1320	1 3/8	500			
CIRCLING	1400	1	579	1540	1	719	1540	2	719	1620	2 1/2	799			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PRESS ON V2-97 SOUTHEAST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FGT VORTAC AIRWAY RADIALS 011 CW 147. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 821 TDZE: 820		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:			
SOUTH ST PAUL, MN		AIRPORT NAME:		SOUTH ST PAUL MUNI-RICHARD E FLEMING FLD		RNAV (GPS) RWY 34, AMDT 1 13 NOVEMBER 2014						AMDT: ORIG			
												DATED 03/12/2009			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART PROFILE NOTE: DESCENT ANGLE NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MINNEAPOLIS-ST PAUL

INTL/WOLD-CHAMBERLAIN ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. INCREASE LNAV CAT C/D

VISIBILITY 1/8 MILE, AND CIRCLING CAT D VISIBILITY 1/4 MILE.

CITY AND STATE

SOUTH ST PAUL, MN

ELEVATION: 821

TDZE: 820

AIRPORT NAME:

SOUTH ST PAUL MUNI-RICHARD E FLEMING
FLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

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**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSGS
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	445106.8545N
LTP/FTP LONGITUDE	0930149.8935W
LTP/FTP ELLIPSOIDAL HEIGHT	+02219
FPAP LATITUDE	445231.7930N
FPAP LONGITUDE	0930227.6985W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

22465338

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02496
FPAP ORTHOMETRIC HEIGHT	+02496

CITY AND STATE

SOUTH ST PAUL, MN

ELEVATION: 821

TDZE: 820

AIRPORT NAME:

SOUTH ST PAUL MUNI-RICHARD E FLEMING
FLDFACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

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[illegible]

CITY AND STATE SOUTH ST PAUL, MN	ELEVATION: 821	TDZE: 820	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 34, AMDT 1	AMDT: ORIG
	SOUTH ST PAUL MUNI-RICHARD E FLEMING FLD		RNAV	13 NOVEMBER 2014	DATED: 03/12/2009

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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CITY AND STATE
SOUTH ST PAUL, MN

ELEVATION: 821	TDZE: 820
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SOUTH ST PAUL MUNI-RICHARD E FLEMING	
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FACILITY
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| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 34, AMDT 1
 13 NOVEMBER 2014

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-8 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	FGT	FGT	010		IF		FB					
	FGT	ZIQPO	020		TF		FO	2.0	074.1 (074.1T)	010.2	AA 03000	
	FGT	ZIQPO	030	IAF	HF	R	FO		342.5 (342.5T)	004.0	AA 03000	
	PRESS	PRESS	010	IAF	IF		FB					
	PRESS	ZIQPO	020		TF		FB	1.0	260.0 (260.0T)	011.6	AA 03000	
		ZIQPO	010	FACF	IF		FB				AA 03000	
		AVBAF	020	FAF	TF		FB	0.5	342.5 (342.5T)	006.1	AA 02400	
		RW34	030	MAP	TF		FO	0.3	342.5 (342.5T)	004.8	AT 01320	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		342.5 (342.5T)		AA 01400	
	ZIQPO	050		DF	R	FO				AA 03000	
	ZIQPO	060		HM	R	FO		342.5 (342.5T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FGT	N443751.43	W0931055.37	N4437.857	W09310.923
	AVBAF	N444630.01	W0925946.90	N4446.500	W09259.782
	PRESS	N444240.72	W0924113.52	N4442.679	W09241.225
	ZIQPO	N444038.69	W0925711.33	N4440.645	W09257.189
	RW34	N445106.85	W0930149.89	N4451.114	W09301.832

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	00819	00

CITY AND STATE
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