

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES						MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE		ALTITUDE									
OTG VOR/DME		BILOO (FO)		176.00 / 10.72		3300		LPV: DA LNAV/VNAV: DA LNAV: RW36							
BILOO (IF/IAF)		OSIGE (FB)		354.14 / 6.53		3000		CLIMB TO 3300 DIRECT JIMED AND HOLD.							
OSIGE (FAF)		HISLU/1.70 NM TO RW36 (FB)		358.00 / 2.68											
HISLU/1.70 NM TO RW36		RW36 (MAP) (FO)		358.00 / 1.70											
RW36 (MAP)		1824 MSL		358.00											
1824 MSL		JIMED (FO)				3300		ADDITIONAL FLIGHT DATA: HOLD N, RT, 178.00 INBOUND. CHART FAS OBST: 1794 ELEV 433747N/0953433W DISTANCE TO THLD FROM 250 HATH: 0.69 NM. WAAS CHANNEL # 99329 REFERENCE PATH ID: W36A LTP HAE: 453.1 M							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S BILOO, RT, 354.16 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC: 358.00 FAF: OSIGE _____ DIST FAF TO MAP: 4.38 THLD: 4.38 4. MIN. ALT: BILOO 3300, OSIGE 3000, HISLU/1.70 NM TO RW36 2140* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3000 GS ALT AT: OSIGE 3000 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 30.0 34:1 IS NOT CLEAR 8. MSA FROM: RW36 3900												MAG VAR: 2E		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
LPV DA	1824	7/8	250	1824	7/8	250	1824	7/8	250	1824	7/8	250			
LNAV/VNAV DA	2095	1 7/8	521	2095	1 7/8	521	2095	1 7/8	521	2095	1 7/8	521			
LNAV MDA	2060	1	486	2060	1	486	2060	1 3/8	486	2060	1 3/8	486			
CIRCLING	2100	1	526	2100	1	526	2100	1 1/2	526	2140	2	566			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING JACKSON ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. (SEE FORM 8260-10)															
CITY AND STATE				ELEVATION: 1574 THRE: 1574		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:				SUP:			
WORTHINGTON, MN				AIRPORT NAME: WORTHINGTON MUNI				RNAV (GPS) RWY 36, ORIG 10 JANUARY 2013				AMD'T: NONE			
												DATED			

QUALITY
2
CHECKED

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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON OTG VOR/DME AIRWAY RADIALS 195 CW 263.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JACKSON ALTIMETER SETTING AND INCREASE ALL DA 78 FEET AND ALL MDA 80 FEET, INCREASE LPV ALL CATS, LNAV CAT C/D AND CIRCLING CAT C VISIBILITY 1/4 MILE AND LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE.

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				AMDT: NONE
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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	KOTG
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	433900.2695N
LTP/FTP LONGITUDE	0953500.4925W
LTP/FTP ELLIPSOIDAL HEIGHT	+04531
FPAP LATITUDE	434029.3800N
FPAP LONGITUDE	0953500.4900W
THRESHOLD CROSSING HEIGHT (TCH)	00030.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

0A9EC880

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04797
FPAP ORTHOMETRIC HEIGHT	+04797

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KOTGK3FR36	AOTG	010	OTG	K3D	0V	IF				18000		A	JS
SUSAP KOTGK3FR36	AOTG	020	BILOOK3EA0EY	020	TF		17600107	+	03300			A	JS
SUSAP KOTGK3FR36	AOTG	030	BILOOK3EA0EE	AR	HF		35420040	+	03300			A	JS
SUSAP KOTGK3FR36	R	010	BILOOK3EA0E	I	IF			+	03300	18000		A	JS
SUSAP KOTGK3FR36	R	020	OSIGEK3EA1E	F	051TF		35410065	+	03000		RW36	K3PGA	JS
SUSAP KOTGK3FR36	R	020	OSIGEK3EA2WALPV			ALNAV/VNAV							JS
SUSAP KOTGK3FR36	R	021	HISLUK3EA0E	S	031TF		35800027	V	0214002145	-300		A	JS
SUSAP KOTGK3FR36	R	030	RW36	K3PG0GY	M	031TF	35800017		01604	-300		A	JS
SUSAP KOTGK3FR36	R	040		0	M	CA	3580	+	01824			A	JS
SUSAP KOTGK3FR36	R	050	JIMEDK3EA0EY		DF			+	03300			A	JS
SUSAP KOTGK3FR36	R	060	JIMEDK3EA0EE	R	HM		17800040	+	03300			A	JS

[illegible][illegible]

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[illegible]

SUP:	
AMDT:	NONE
DATED:	

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RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	OTG	OTG	010		IF		FB					
	OTG	BILOO	020		TF		FO	2.0	176.0 (178.0T)	010.7	AA 03300	
	OTG	BILOO	030	IAF	HF	R	FO		354.2 (356.2T)	004.0	AA 03300	
		BILOO	010	FACF	IF		FB				AA 03300	
		OSIGE	020	FAF	TF		FB	0.5	354.1 (356.1T)	006.5	AA 03000	
		HISLU	021	SDF	TF		FB	0.3	358.0 (360.0T)	002.7	AA 02140	GS 02145
		RW36	030	MAP	TF		FO	0.3	358.0 (360.0T)	001.7	AT 01604	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		358.0 (360.0T)		AA 01824	
	JIMED	050		DF		FO				AA 03300	
	JIMED	060		HM	R	FO		178.0 (180.0T)	004.0	AA 03300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OTG	N433848.90	W0953455.05	N4338.815	W09534.918
	BILOO	N432806.10	W0953424.17	N4328.102	W09534.403
	HISLU	N433718.26	W0953500.49	N4337.304	W09535.008
	JIMED	N435103.43	W0953500.49	N4351.057	W09535.008
	OSIGE	N433437.21	W0953500.49	N4334.620	W09535.008
	RW36	N433900.27	W0953500.49	N4339.005	W09535.008

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	01574	30

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	AIRPORT NAME:			RNAV (GPS) RWY 36, ORIG	AMDT: NONE
	WORTHINGTON MUNI		RNAV	10 JANUARY 2013	DATED: