US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ARDUE	HAXUL (FB)	037.67 / 6.95	2700
ARMUW	GOREC (FB)	208.58 / 15.40	2900
CLAPS (IAF)	FETUD (NOPT) (FB)	310.32 / 10.18	2700
GOREC (IAF)	FETUD (NOPT) (FB)	228.68 / 5.00	2700
HAXUL (IAF)	FETUD (NOPT) (FB)	048.54 / 5.00	2700
FETUD (IF/IAF)	CUCAT (FB)	318.61 / 6.29	2600

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

CLIMB TO 2700 DIRECT DOSCA AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 138.39 INBOUND.
CHART FAS OBST: 1332 STACK 451918N/0953751W
DISTANCE TO THLD FROM 387 HAT: 1.09 NM.
WAAS CHANNEL # 99710
REFERENCE PATH ID: W32A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE FETUD, RT, 318.61 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
3. FAC: 318.55 FAF: CUCAT DIST FAF TO MAP: 4.71 THLD: 4.71
4. MIN. ALT: FETUD 2700, CUCAT 2600
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2600 GS ALT AT: CUCAT OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 41.0 34:1 IS NOT CLEAR
8. MSA FROM: RW32 3400

MAG VAR: 5E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: ____ STANDARD X 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	1426	1 1/2	387	1426	1 1/2	387		NA			NA				
LNAV/VNAV DA	1710	2 1/2	671	1710	2 1/2	671		NA			NA				
LNAV MDA	1700	1	661	1700	1	661		NA			NA				
CIRCLING	1740	1	701	1740	1	701		NA			NA				

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ARMUW VIA V175 NORTHBOUND.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 1039 TDZE: 1039	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BENSON, MN	AIRPORT NAME: BENSON MUNI	RNAV	RNAV (GPS) RWY 32, AMDT 1 12 MAR 2009	AMDT: ORIG DATED 09/01/2005

QUALITY CHECKED

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NOTES CONT.
CHART NOTE: BARO-VNAV NA WHEN USING APPLETON ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE APPLETON ALTIMETER SETTING AND INCREASE ALL DA AND MDA 40 FEET, INCREASE CIRCLING CAT B VISIBILITY 1/4 MILE.

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBBB
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	451939.0780N
LTP/FTP LONGITUDE	0953845.4025W
LTP/FTP ELLIPSOIDAL HEIGHT	+02903
FPAP LATITUDE	452050.6800N
FPAP LONGITUDE	0954000.5500W
THRESHOLD CROSSING HEIGHT (TCH)	00041.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	E389519B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03166
FPAP ORTHOMETRIC HEIGHT	+03166

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

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ARINC PACKET - 424-18

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ARDUE K30    C   L N45024392W095415057                      E0024     NAR           ARDUE
        SUSAEAENRT   ARMUW K30    W   L N45263641W095114554                      E0024     NAR           ARMUW
        SUSAEAENRT   CACAT K20    W     N40025182W102151400                      E0075     NAR           CACAT
        SUSAEAENRT   CLAPS K30    C   L N45033450W095192336                      E0024     NAR           CLAPS
        SUSAEAENRT   CUCAT K30    W     N45155175W095344727                      E0024     NAR           CUCAT
        SUSAEAENRT   DOSCA K30    W     N45290187W095483770                      E0024     NAR           DOSCA
        SUSAEAENRT   FETUD K30    W     N45104824W095293039                      E0024     NAR           FETUD
        SUSAEAENRT   GOREC K30    W     N45134606W095234867                      E0024     NAR           GOREC
        SUSAEAENRT   HAXUL K30    W     N45075014W095351151                      E0024     NAR           HAXUL
                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBBBK3ABBB     0     040YHN45195490W095390210E005001039         1800018000C    MNAR    BENSON MUNI
                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBBBK3FR32   AARDUE 010ARDUEK3EA0E       IF                                                18000                 A  S
        SUSAP KBBBK3FR32   AARDUE 020HAXULK3EA0E  A 020TF                     03770070    + 02700                             A  S
        SUSAP KBBBK3FR32   AARDUE 030FETUDK3EA0EE   010TF                     04850050    + 02700                             A  S
        SUSAP KBBBK3FR32   AARMUW 010ARMUWK3EA0E       IF                                                18000                 A  S
        SUSAP KBBBK3FR32   AARMUW 020GORECK3EA0E  A 020TF                     20860154    + 02900                             A  S
        SUSAP KBBBK3FR32   AARMUW 030FETUDK3EA0EE   010TF                     22870050    + 02700                             A  S
        SUSAP KBBBK3FR32   ACLAPS 010CLAPSK3EA0E  A    IF                                                18000                 A  S
        SUSAP KBBBK3FR32   ACLAPS 020FETUDK3EA0EE   010TF                     31030102    + 02700                             A  S
        SUSAP KBBBK3FR32   AFETUD 010FETUDK3EA0EE CR   HF                     31860040    + 02700     18000                   A  S
        SUSAP KBBBK3FR32   R      010FETUDK3EA0E  I    IF                                 + 02700     18000                   A  S
        SUSAP KBBBK3FR32   R      020CUCATK3EA1E  F 051TF                     31860063    + 02600                  RW32  K3PGA  S
        SUSAP KBBBK3FR32   R      020CUCATK3EA2WALPV       ALNAV/VNAV ALNAV                                                      S
        SUSAP KBBBK3FR32   R      030RW32 K3PG0GY M 031TF                     31860047      01080             -300           A  S
        SUSAP KBBBK3FR32   R      040DOSCAK3EA0EYM  010DF                                 + 02700                             A  S
        SUSAP KBBBK3FR32   R      050DOSCAK3EA0EE HR020HM                     13840040    + 02700                             A  S
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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CITY AND STATE	ELEVATION: 1039 TDZE: 1039	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BENSON, MN	AIRPORT NAME: BENSON MUNI	RNAV	RNAV (GPS) RWY 32, AMDT 1 12 MAR 2009	AMDT: ORIG
				DATED: 09/01/2003

QUALITY CHECKED

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        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBBBK3GRW32    0040013185 N45193908W095384540+0000    +0290301039000041075R
------------------------------------------------------------------------------------------------------------------------------
                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBBBK3PR32   RW32 001 0000W32A0N4519390780W09538454025+029030300N4520506800W0954000550010675152800041 0F400500E389519B
        SUSAP KBBBK3PR32   RW32 002E      +03166+03166LPV       99710          000
------------------------------------------------------------------------------------------------------------------------------
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBBBK3SRW32 K3PG                0   18018003425                                                                M
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BENSON, MN	AIRPORT NAME: BENSON MUNI	RNAV	RNAV (GPS) RWY 32, AMDT 1	AMDT: ORIG
			12 MAR 2009	DATED: 09/01/2005

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	ARDUE	ARDUE	010		IF		FB				
	ARDUE	HAXUL	020	IAF	TF		FB	2.0	037.7(043T)	007.0	02700
	ARDUE	FETUD	030		TF		FB	1.0	048.5(054T)	005.0	02700
	ARMUW	ARMUW	010		IF		FB				
	ARMUW	GOREC	020	IAF	TF		FB	2.0	208.6(214T)	015.4	02900
	ARMUW	FETUD	030		TP		FB	1.0	228.7(234T)	005.0	02700
	CLAPS	CLAPS	010	IAF	IF		FB				
	CLAPS	FETUD	020		TP		FB	1.0	310.3(315T)	010.2	02700
	FETUD	FETUD	010		HF	R	FB		318.6(324T)	004.0	02700
		FETUD	010	FACF	IF		FB				02700
		CUCAT	020	FAF	TF		FB	0.5	318.6(324T)	006.3	02600
		RW32	030	MAP	TF		FO	0.3	318.6(324T)	004.7	01080

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	DOSCA	040		DF		FO	1.0			02700
	DOSCA	050		HM	R	FO	2.0	138.4(143T)	004.0	02700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ARDUE	N450243.92	W0954150.57	N4502.732	W09541.843
	ARMUW	N452636.41	W0951145.54	N4526.607	W09511.759
	CLAPS	N450334.50	W0951923.36	N4503.575	W09519.389
	CUCAT	N451551.75	W0953447.27	N4515.863	W09534.788
	DOSCA	N452901.87	W0954837.70	N4529.031	W09548.628
	FETUD	N451048.24	W0952930.39	N4510.804	W09529.507
	GOREC	N451346.06	W0952348.67	N4513.768	W09523.811
	HAXUL	N450750.14	W0953511.51	N4507.836	W09535.192
	RW32	N451939.08	W0953845.40	N4519.651	W09538.757

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	01039	41

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