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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WHYBE (IF/IAF)	DEWEE (FB)	284.85 / 8.88	3000
DEWEE (IF)	SPAGS (FB)	289.03 / 5.92	2700
SPAGS (FAF)	RW29 (MAP) (FO)	288.94 / 5.21	
RW29 (MAP)	1188 MSL	288.94	
1188 MSL	RILOC (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW29

CLIMB TO 3000 DIRECT RILOC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, LT, 108.76 INBOUND.
CHART FAS OBST: 1100 CTRL TWR 421545N/0715214W
DISTANCE TO THLD FROM 200 HATH: 0.46 NM.
CHART VDP AT 1.00 MILES TO RW29*
*LNAV ONLY.
WAAS CHANNEL # 82299
REFERENCE PATH ID: W29A
LTP HAE: 272.5 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT DEWEE
3. FAC: 288.94 FAF: SPAGS DIST FAF TO MAP: 5.21 THLD: 5.21
4. MIN. ALT: DEWEE 3000, SPAGS 2700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: SPAGS 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 53.5 34:1 IS CLEAR
8. MSA FROM: RW29 3300

MAG VAR: 15W 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	1188	4000	200	1188	4000	200	1188	4000	200	1188	4000	200			
LNAV/VNAV DA	1261	4500	273	1261	4500	273	1261	4500	273	1261	4500	273			
LNAV MDA	1360	5500	372	1360	5500	372	1360	5500	372	1360	5500	372			
CIRCLING	1560	1	551	1640	1	631	1720	2	711	1980	3	971			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 37C (98F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BEDFORD ALTIMETER SETTING AND INCREASE ALL DA 189 FEET AND ALL MDA 200 FEET; INCREASE LPV ALL CATS VISIBILITY TO 1 1/4, LNAV/VNAV ALL (SEE FORM 8260-10)

@ CAT D 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 1009 THRE: 988	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WORCESTER, MA	AIRPORT NAME: WORCESTER RGNL	RNAV	RNAV (GPS) RWY 29, AMDT 1 28 JUNE 2012	AMDT: ORIG-A DATED 05/04/2006

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NOTES, (CONT.):
CATS VISIBILITY TO 1 1/2, LNAV CAT C/D VISIBILITY TO 1 5/8, CIRCLING CAT B VISIBILITY TO 1 1/4 AND CIRCLING CAT C VISIBILITY TO 2 3/4.
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING BEDFORD ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WHYBE ON V1-149 NORTHEAST BOUND.

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KORH
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	421557.7510N
LTP/FTP LONGITUDE	0715153.9650W
LTP/FTP ELLIPSOIDAL HEIGHT	+02725
FPAP LATITUDE	421603.7300N
FPAP LONGITUDE	0715353.7000W
THRESHOLD CROSSING HEIGHT (TCH)	00053.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	70AF94B9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03011
FPAP ORTHOMETRIC HEIGHT	+03011

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ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DEWEE K60    W     N42151181W071365693                     W0148     NAR           DEWEE
        SUSAEAENRT   RILOC K60    C     N42162456W072005646                     W0146     NAR           RILOC
        SUSAEAENRT   SPAGS K60    C     N42153649W071445410                     W0147     NAR           SPAGS
        SUSAEAENRT   WHYBE K60    C   L N42151383W071245953                     W0149     NAR           WHYBE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KORHK6AORH     0     070YHN42160170W071523220W015001009         1800018000C    MNAR    WORCESTER RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KORHK6FR29   AWHYBE 010WHYBEK6EA0E  A    IF                                                18000                A JS
        SUSAP KORHK6FR29   AWHYBE 020DEWEEK6EA0EE B 010TF                     28490089    + 03000                                A JS
        SUSAP KORHK6FR29   R      010DEWEEK6EA0E  I    IF                                + 03000     18000                A JS
        SUSAP KORHK6FR29   R      020SPAGSK6EA1E  F 051TF                     28900059    + 02700                 RW29  K6PGA JS
        SUSAP KORHK6FR29   R      020SPAGSK6EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
        SUSAP KORHK6FR29   R      030RW29 K6PG0GY M 031TF                     28890052      01041             -300          A JS
        SUSAP KORHK6FR29   R      040         0  M     CA                     2889        + 01188                           A JS
        SUSAP KORHK6FR29   R      050RILOCK6EA0EY      DF                                + 03000                           A JS
        SUSAP KORHK6FR29   R      060RILOCK6EA0EE  L   HM                     10880040    + 03000                           A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KORHK6GRW29    0070012889 N42155775W071515397-0100    +0272500988000054150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KORHK6PR29   RW29 001 0000W29A0N4215577510W07151539650+027250300N4216037300W071535370001067506160005 35F40035070AF94B9
        SUSAP KORHK6PR29   RW29 002E      +03011+03011LPV       82299
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                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KORHK6SRW29 K6PG                0   18018003325                                                                M
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QUALITY A CHECK

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