

**FEDERAL AVIATION ADMINISTRATION**  
**FLIGHT STANDARDS SERVICE**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<u><b>AIRPORT</b></u> BROWNWOOD RGNL	<u><b>AIRPORT ID</b></u> KBWD	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 35	<u><b>ORIGINAL/AMENDMENT</b></u> 1A	<u><b>CITY</b></u> BROWNWOOD	<u><b>STATE</b></u> TX
<u><b>AIRPORT ELEVATION</b></u> 1387	<u><b>TDZE</b></u> 1386	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 35	<u><b>ORIGINAL/AMENDMENT</b></u> 1	<u><b>DATED</b></u> 08/04/2005	<u><b>MAG VAR</b></u> 4E
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 19 JULY 2018	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL SUSPEND</b></u>	<u><b>EPOCH YEAR</b></u> 2020

**TAA**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>ALTITUDE</b></u>
1. 265/30 CW 085/30	NOPT	PEQIS	IF/IAF	4000
2. 085/30 CW 175/30		FICCU	IAF	4000
3. 175/30 CW 265/30		OKUTY	IAF	4000

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
FICCU	IAF	PEQIS	NOPT	TF	FB	1.00	085.31	5.00	4000
OKUTY	IAF	PEQIS	NOPT	TF	FB	1.00	265.41	5.00	4000
PEQIS	IF/IAF	IWAHU		TF	FB	1.00	355.36	6.25	3000
IWAHU	FAF	HOVAS/2.40 NM TO RW35		TF	FB	0.30	355.36	2.51	
HOVAS/2.40 NM TO RW35		RW35	MAP	TF	FO	0.30	355.36	2.40	
RW35	MAP	1636 MSL		CA			355.36		
1636 MSL		MUSRE		DF	FO	1.00			4000

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV: RW35

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT MUSRE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD S PEQIS, RT, 355.36 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 10000.
3. FAC: 355.36      FAF: IWAHU      DIST FAF TO MAP: 4.91      DIST FAF TO THLD: 4.91
4. MIN ALT: PEQIS 4000, IWAHU 3000, HOVAS/2.40 NM TO RW35 2180\*
5. DIST TO THLD FROM OM:      MM:      IM:      150 HAT:      250 HAT: 0.69
6. MIN GP INCPT: 3000      GP ALT AT FAF : IWAHU 3000      OM:      MM:      IM:
7. GP ANGLE: 3.00      34:1: IS NOT CLEAR      20:1: IS CLEAR      TCH: 45.0
8. MSA FROM:

PBN EQUIPMENT REQUIREMENTS NOTES

RNP APCH.

NOTES:

CHART NOTE: RWY 35 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART: 1560 TOWER 314446N/0985702W  
CHART VDP AT 1.13 NM TO RW35\*  
\*LNAV ONLY  
WAAS CHANNEL #77525  
REFERENCE PATH ID: W35A  
CHART FAS OBST: 1492 TOWER 314625N/0985659W.  
HOLD N, RT, 175.36 INBOUND  
LTP HAE: 391.5 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	1636	1	250	1636	1	250	1636	1	250	1636	1	250			
LNAV MDA	1780	1	394	1780	1	394	1780	1 1/8	394	1780	1 1/4	394			
CIRCLING	1840	1	453	1840	1	453	1840	1 1/8	453	1940	2	553			



**CHANGES - REASONS**

- 1. ADDED CHART NOTE: RWY 35 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 34:1 VISUAL SURFACE PENETRATIONS EXIST.
- 2. ADDED 20:1 IS CLEAR TO LINE 7 - IAW 8260.19H PARA 8-6-7G(3).
- 3. CRC REMAINDER CHANGED FROM 744C0542 TO 36D7CF0C - LTP ELLIPSOIDAL HEIGHT CHANGED FROM +03914 TO +03915.
- 4. MOVED ALTIMETER SETTING NOTE AND ASSOCIATED NOTES TO THE BACK OF THE 8260-9; REMOVED STANDARD @ AND @ NA WHEN LOCAL WEATHER NOT AVAILABLE - KBWD ON WMSCR, BACKUP ALTIMETER SETTING NOTE CAN BE REMOVED AND MOVED TO THE 8260-9 FOR CONTINGENCY PURPOSES - ASOS/AWOS THAT TRANSMIT ON WMSCR DO NOT REQUIRE A PUBLISHED BACKUP ALTIMETER SOURCE.
- 5. DELETED NOTE: DME/DME RNP-0.3 NA; ADDED PBN REQUIREMENTS NOTE: RNP APPCH - IAW 9/12/17 MEMO SUBJECT: IMPLEMENTATION OF FAA ORDER 8260.19H FLIGHT PROCEDURE AND AIRSPACE.
- 7. LTP CHANGED FROM 314840.6700N/0985718. 7300W TO 314711.3900N/0985717.5570W - FROM AIRNAV.
- 8. UPDATED FAS OBST FROM 1593 TOWER, AND ADDED CHART OBST 1560 TOWER (7:1) - OBSTACLE DATABASE UPDATED.
- 9. RAISED LNAV CAT C VISIBILITY FROM 1 SM TO 1 1/8 SM - OBSTACLE DATABASE UPDATED.
- 10. INCREASED ALL COURSES/HEADINGS BY 4 DEGREES - KBWD MAG VAR CHANGED FROM 8E/1980 TO 4E/2020.

PDF EDIT:  
ADDED XP38: MAINTAIN CURRENT MDA TO SEGMENT REMARKS - LNAV STEPDOWN.



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<u>COORDINATED WITH:</u>					
A4A <input type="checkbox"/> ALPA <input checked="" type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> <u>OTHER:</u> ZFW, ST. AV. DIR., AMGR, ATA					
<u>FLIGHT CHECKED BY</u> ZACK SMYER		<u>OFFICE</u> FICO	<u>DATE</u> 5/22/18	Digitally signed by ALLAN WILL Jun 06, 2018	
<u>DEVELOPED BY</u> MIKE MELSSEN		<u>OFFICE</u> AJV-5412	<u>DATE</u> 11/16/2017	Digitally signed by ALLAN WILL Jun 06, 2018	
<u>APPROVED BY</u> GEORGE DAVIS		<u>OFFICE</u> AJV-5410	<u>DATE</u>	<u>TITLE</u> MANAGER	



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBWD
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	314711.3900N
LTP/FTP LONGITUDE	0985717.5570W
LTP/FTP ELLIPSOIDAL HEIGHT	+03915
FPAP LATITUDE	314840.6700N
FPAP LONGITUDE	0985718.7300W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1040
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	03C1AFD3
ADDITIONAL PATH POINT RECORD INFORMATION	
ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+04176
FPAP ORTHOMETRIC HEIGHT	+04176

