

<b>RNAV - STANDARD</b> <b>US DEPARTMENT OF TRANSPORTATION</b> <b>FEDERAL AVIATION ADMINISTRATION</b>						<b>INSTRUMENT APPROACH PROCEDURE</b> <b>TITLE 14 CFR PART 97.33</b>										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		LPV: DA LNAV/VNAV: DA LNAV: RW35  CLIMB TO 3000 DIRECT HABKO AND TRACK 351.94 TO CLOCK AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD N, LT, 174.51 INBOUND. CHART FAS OBST: 929 TREE 425110N/0853038W CHART 990 TANK 424933N/0853123W. DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.00 NM TO RW35* *LNAV ONLY. WAAS CHANNEL # 87112 REFERENCE PATH ID: W35A CHART CIRCLING ICON. CHART: ASR LTP HAE: 206.9 M											
BOHRR (IAF)				JJUDD (TF) (FB) (RNP 1.00)				347.97 / 5.88				3000													
JJUDD (IF)				FALSU (TF) (FB) (RNP 1.00)				357.34 / 6.13				2500													
FALSU (FAF)				HONSE/2.00 NM TO RW35 (TF) (FB) (RNP 0.30)				357.32 / 3.12																	
HONSE/2.00 NM TO RW35				RW35 (MAP) (TF) (FO) (RNP 0.30)				357.32 / 2.00																	
RW35 (MAP)				990 MSL (CA)				357.32																	
(SEE FORM 8260-10)																									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT JJUDD 3. FAC: 357.32 FAF: FALSU DIST FAF TO MAP: 5.12 THLD: 5.12 4. MIN. ALT: JJUDD 3000, FALSU 2500, HONSE/2.00 NM TO RW35 1480* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: FALSU 2500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.4 34:1 IS CLEAR 8. MSA FROM: RW35 3000																MAG VAR: 6W EPOCH YEAR: 2020									
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	990	2400	200	990	2400	200	990	2400	200	990	2400	200													
LNAV/VNAV DA	1236	5000	446	1236	5000	446	1236	5000	446	1236	5000	446													
LNAV MDA	1180	2400	390	1180	2400	390	1180	2400	390	1180	5000	390													
CIRCLING	1260	1	466	1260	1	466	1340	1 1/2	546	1360	2	566													
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: PROCEDURE NA FOR ARRIVALS AT BOHRR ON V285 SOUTHBOUND. CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT D VISIBILITY TO RVR 6000.																									
CITY AND STATE				ELEVATION: 794 TDZE: 790				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:									
GRAND RAPIDS, MI				AIRPORT NAME:						RNAV (GPS) RWY 35, AMDT 1A						AMDT: 1									
				GERALD R FORD INTL						14 SEPTEMBER 2017						DATED 07/02/2009									

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, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
990 MSL	HABKO (DF) (FB) (RNP 1.00)		
HABKO	CLOCK (TF) (FO) (RNP 1.00)	351.94 / 10.89	3000

CITY AND STATE  
GRAND RAPIDS, MI

ELEVATION: 794 TDZE: 790  
AIRPORT NAME:  
GERALD R FORD INTL

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 35, AMDT 1A  
14 SEPTEMBER 2017

SUP:  
AMDT: 1  
DATED: 07/02/2009

QUALITY  
6  
CHECKED

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR 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.

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGRR
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	425159.3075N
LTP/FTP LONGITUDE	0853052.0740W
LTP/FTP ELLIPSOIDAL HEIGHT	+02069
FPAP LATITUDE	425324.2700N
FPAP LONGITUDE	0853109.7300W
THRESHOLD CROSSING HEIGHT (TCH)	00055.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0064
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 45D921E1

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02406
FPAP ORTHOMETRIC HEIGHT	+02406

QUALITY  
6  
CHECKED

CITY AND STATE  GRAND RAPIDS, MI	ELEVATION: 794 AIRPORT NAME:  GERALD R FORD INTL	TDZE: 790   RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 35, AMDT 1A 14 SEPTEMBER 2017	SUP:
				AMDT: 1
				DATED: 07/02/2009