

**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
HRRON (IAF)	KLIER (FB)	131.32 / 6.60	4000
VALLI (IAF)	KLIER (FB)	097.09 / 7.56	4000
KLIER	GRDCY (FB)	184.04 / 3.61	4000
PYRET (IAF)	GRDCY (FB)	213.34 / 3.14	4000
GRDCY	MMOTR (FB)	213.32 / 2.00	4000
MMOTR	TAYUL (FB)	213.30 / 3.14	4000
TAYUL	EMINN (FB)	213.28 / 3.14	3000
(SEE FORM 8260-10)			

LPV: DA
LNAV/VNAV: DA
LNAV: (CFBJN)

CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 4000 DIRECT DOHNT AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 117.62 INBOUND.
CHART FAS OBST: 791 ANT 421514N/0832145W
845 AAO 421706N/0832003W
DISTANCE TO THLD FROM 250 HAT: 0.61 NM.
CHART VDP AT 1.09 NM TO CFBJN*
*LNAV ONLY.
WAAS CHANNEL # 42939
REFERENCE PATH ID: W22B
CHART CIRCLING ICON.
CHART MANDATORY 6000 AT HRRON.
CHART MANDATORY 6000 AT VALLI.
CHART MANDATORY 4000 AT KLIER.
FAC CROSSES RWY C/L EXTENDED 2608 FT FROM THLD.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE
OFFSET 2.50 DEGREES.
FTP HAE: 161.2 M
CHART LOC RWY 21L/22L
MAG VAR: 7W EPOCH YEAR: 2020

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT GRDCY
3. FAC: 213.22 FAF: ANGGL DIST FAF TO MAP: 4.09 THLD: 4.09
4. MIN. ALT: GRDCY 4000, MMOTR 4000, TAYUL 4000, EMINN 3000, WONDR 3000, ANGGL 2000
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2000 GS ALT AT: ANGGL 2000 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR
8. MSA FROM: CFBJN 2800

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	892	2400	250	892	2400	250	892	2400	250	892	2400	250			
LNAV/VNAV DA	1050	4500	408	1050	4500	408	1050	4500	408	1050	4500	408			
LNAV MDA	1060	2400	418	1060	2400	418	1060	4000	418	1060	4000	418			
CIRCLING	1180	1	535	1180	1	535	1180	1 1/2	535	1240	2	595			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
(CONTINUED ON PAGE 2)

CITY AND STATE DETROIT, MI	ELEVATION: 645 TDZE: 642 AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 22R, ORIG, 11/10/2016	SUP: AMDT: NONE DATED
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QUALITY
4
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
EMINN	WONDR (FB)	213.26 / 3.14	3000
WONDR (IF)	ANGGL (FB)	213.24 / 3.14	2000
ANGGL (FAF)	(CFBJN) (MAP) (FO)	213.22 / 4.09	
(CFBJN) (MAP)	1100 MSL	213.22	1100
1100 MSL	DOHNT (FO)		4000

NOTES, (CONT.):

- CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
- CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.
- CHART SPEED ICON IN PLANVIEW AT HRRON : MAX 210 KIAS.
- CHART SPEED ICON IN PLANVIEW AT VALLI : MAX 210 KIAS.
- CHART PLANVIEW NOTE: RADAR REQUIRED.
- CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

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					AMDT: NONE
					DATED:



**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDTW
RUNWAY	RW22R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22B
FTP LATITUDE	421333.9860N
FTP LONGITUDE	0832157.2550W
FTP ELLIPSOIDAL HEIGHT	+01612
FPAP LATITUDE	421214.0000N
FPAP LONGITUDE	0832250.1600W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 2D2F5191

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01957
FPAP ORTHOMETRIC HEIGHT	+01957

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KDTW

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
HRRON	010	HRRON	IF FB									AT 06000	AB 210	E A
HRRON	020	KLIER	TF FB		1.0	131.3						AT 04000		E
HRRON	030	GRDCY	TF FB		1.0	184.0						AA 04000		E
HRRON	040	MMOTR	TF FB		1.0	213.3						AA 04000		E
HRRON	050	TAYUL	TF FB		1.0	213.3						AA 04000		E
HRRON	060	EMINN	TF FB		1.0	213.3						AA 03000		E
HRRON	070	WONDR	TF FB		1.0	213.3						AA 03000		EE B
PYRET	010	PYRET	IF FB											E A
PYRET	020	GRDCY	TF FB		1.0	213.3						AA 04000		E
PYRET	030	MMOTR	TF FB		1.0	213.3						AA 04000		E
PYRET	040	TAYUL	TF FB		1.0	213.3						AA 04000		E
PYRET	050	EMINN	TF FB		1.0	213.3						AA 03000		E
PYRET	060	WONDR	TF FB		1.0	213.3						AA 03000		EE B
VALLI	010	VALLI	IF FB									AT 06000	AB 210	E A
VALLI	020	KLIER	TF FB		1.0	097.1						AT 04000		E
VALLI	030	GRDCY	TF FB		1.0	184.0						AA 04000		E
VALLI	040	MMOTR	TF FB		1.0	213.3						AA 04000		E
VALLI	050	TAYUL	TF FB		1.0	213.3						AA 04000		E
VALLI	060	EMINN	TF FB		1.0	213.3						AA 03000		E
VALLI	070	WONDR	TF FB		1.0	213.3						AA 03000		EE B
	010	WONDR	IF FB									AA 03000		E I
	020	ANGGL	TF FB		1.0	213.2				CFBJN		AA 02000		E F
	030	CFBJN	TF FO		0.3	213.2		3.00				AT 00697		EY M
	040		CA FB			213.2						AA 01100		M
	050	DOHNT	DF FO						R			AA 04000		EY
	060	DOHNT	HM FO			117.6			R			AA 04000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ANGGL	N421714.30	W0831931.30
CFBJN	N421333.99	W0832157.26
DOHNT	N421812.54	W0834130.41
EMINN	N422252.91	W0831546.35
GRDCY	N423018.98	W0831048.83
HRRON	N423738.73	W0831826.46
KLIER	N423355.17	W0831103.94

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MMOTR	N422831.38	W0831200.72
PYRET	N423307.90	W0830855.82
TAYUL	N422542.16	W0831353.62
VALLI	N423356.33	W0832118.10
WONDR	N422003.63	W0831738.91

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW22R	N421334.48	W0832158.61	00642	55

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	DETROIT METROPOLITAN WAYNE COUNTY		RNAV		DATED:

