

FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Distances are in nautical miles (NM). Graphic depictions attached.

Arrival Name HANBL (RNAV)	Number THREE	STAR Computer Code HANBL.HANBL3	Superseded Number TWO	Dated 10/10/2019	Effective Date 05 DEC 2019
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TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
SWAYD	SWAYD.HANBL3	SWAYD	SWAYD						
			JOEBU	048.63	15.62	10000	2300		
			VDUUB	056.27	27.01	10000	2300		
			CLRIC	052.81	14.23	10000	2400	BETWEEN FL200 AND FL230	
			SHANX	052.89	09.64	10000	2200		
			HANBL	039.15	20.93	8000	2200	BETWEEN 17000 AND FL210	
TORRR	TORRR.HANBL3	TORRR	TORRR						AT/BELOW FL210
			SHANX	006.45	41.92	10000	2400		
			HANBL	039.15	20.93	8000	2200	BETWEEN 17000 AND FL210	
WWODD	WWODD.HANBL3	WWODD	WWODD						
			DERBN	047.06	15.88	10000	2900		
			SWAYD	046.04	46.91	10000	2700		
			JOEBU	048.63	15.62	10000	2300		
			VDUUB	056.27	27.01	10000	2300		
			CLRIC	052.81	14.23	10000	2400	BETWEEN FL200 AND FL230	
			SHANX	052.89	09.64	10000	2400		
HANBL	039.15	20.93	8000	2200	BETWEEN 17000 AND FL210				

ARRIVAL ROUTE DESCRIPTION:

FROM HANBL ON TRACK 054.09/20.51 TO CROSS PRWLR BETWEEN 12000 AND 15000, THEN ON TRACK 053.86/11.21 TO CROSS HEMIE BETWEEN 10000 AND 11000 AND AT 250 KIAS.

LANDING RWY 21L/R: FROM HEMIE ON TRACK 084.43/19.30 TO RAAMM, THEN ON TRACK 037.34/4.54 TO CROSS TBRRD AT 8000 AND AT 210 KIAS, THEN ON TRACK 035.75. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 22L/R: FROM HEMIE ON TRACK 051.80/8.00 TO CROSS TRPRS AT OR ABOVE 8000, THEN ON TRACK 035.48/4.87 TO CROSS DZMND AT 8000 AND AT 210 KIAS, THEN ON TRACK 033.32. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 27L/R: FROM HEMIE ON TRACK 089.66/17.20 TO CROSS WUDSN AT 8000 AND AT 210 KIAS, THEN ON TRACK 096.36/10.95 TO CROSS BRDDY AT 8000, THEN ON TRACK 096.36. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED



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HANBL (RNAV)	THREE	HANBL.HANBL3	TWO	10/10/2019	05 DEC 2019

NOTE: USE RUNWAY 22R TRANSITION OR AS ASSIGNED BY ATC. EXPECT RUNWAY ASSIGNMENT FROM DETROIT APP CON NO LATER THAN 10 NM FROM HEMIE.

NOTE: FOR USE WHEN DTW LANDING SOUTH OR WEST. WHEN DTW LANDING NORTH, FILE AND EXPECT THE LECTR RNAV STAR.

NOTE: TORRR TRANSITION FOR USE BY CVG/DAY/SDF/LEX TERMINAL AREA DEPARTURES AT OR BELOW FL210 ONLY AND ATC USE AS ASSIGNED.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT HANBL: HOLD SW, LT, 039.15 INBOUND, 10 NM LEGS.

CHART HOLDING AT SHANX: HOLD SW, LT, 052.89 INBOUND, 10 NM LEGS.

CHART HOLDING AT SWAYD: HOLD SW, LT, 046.04 INBOUND, 10 NM LEGS.

CHART HOLDING AT VDUUB: HOLD SW, LT, 056.27 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

DTW ATIS, DETROIT APP CON

AIRPORTS SERVED:

DETROIT METROPOLITAN WAYNE COUNTY, DETROIT, MI (KDTW)

LOST COMMUNICATIONS PROCEDURE:

REMARKS:

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAGNETIC VARIATION = KDTW 07W/2020

CHART AT TBRRD TERMINUS: KDTW LDG RWY 21L/R

CHART AT DZMND TERMINUS: KDTW LDG RWY 22L/R

CHART AT BRDDY TERMINUS: KDTW LDG RWY 27L/R

DO NOT CHART MOCAs.



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HANBL (RNAV)	THREE	HANBL.HANBL3	TWO	10/10/2019	05 DEC 2019
<u>FLIGHT INSPECTED BY:</u>				<i>Digitally signed by</i>	
PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED				JACOB POWERS	
				Sep 25, 2019	
				Signature	
<u>DEVELOPED BY:</u>				<i>Digitally signed by</i>	
				JACOB POWERS	
				Sep 25, 2019	
				Signature	
<u>APPROVED BY:</u>				<i>Digitally signed by</i>	
				JACOB POWERS	
				Sep 25, 2019	
				Signature	

CHANGES:
 1. RESTORED FIX CLRIC TO SWAYD TRANSITION BETWEEN VDUUB AND SHANX.

REASONS:
 1. INADVERTANTLY OMITTED FROM PREVIOUS AMENDMENT.



FEDERAL AVIATION ADMINISTRATION
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 STAR (DATA RECORD)

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
SWAYD	404034.14N / 0852902.70W	Y		IF					SWAYD.HANBL3
JOEBU	405214.50N / 0851521.80W	Y	FB	TF	041.63	15.62			
VDUUB	410949.61N / 0844815.56W	Y	FB	TF	049.27	27.01			
CLRIC	411944.14N / 0843443.20W	Y	FB	TF	045.81	14.23	FL200BFL230	AT 280K	
SHANX	412626.59N / 0842531.07W	Y	FB	TF	045.89	09.64			
HANBL	414409.25N / 0841038.51W	Y	FB	TF	032.15	20.93	17000BFL210	AT 280K	

En Route Transition									
TORRR	404429.77N / 0842458.89W	Y		IF			AT/BELOW FL210	AT 280K	TORRR.HANBL3
SHANX	412626.59N / 0842531.07W	Y	FB	TF	359.45	41.92			
HANBL	414409.25N / 0841038.51W	Y	FB	TF	032.15	20.93	17000BFL210	AT 280K	

En Route Transition									
WWODD	395204.05N / 0862111.61W	Y		IF					WWODD.HANBL3
DERBN	400413.14N / 0860752.66W	Y	FB	TF	040.06	15.88			
SWAYD	404034.14N / 0852902.70W	Y	FB	TF	039.04	46.91			
JOEBU	405214.50N / 0851521.80W	Y	FB	TF	041.63	15.62			
VDUUB	410949.61N / 0844815.56W	Y	FB	TF	049.27	27.01			
CLRIC	411944.14N / 0843443.20W	Y	FB	TF	045.81	14.23	FL200BFL230	AT 280K	
SHANX	412626.59N / 0842531.07W	Y	FB	TF	045.89	09.64			
HANBL	414409.25N / 0841038.51W	Y	FB	TF	032.15	20.93	17000BFL210	AT 280K	

Common Route									
HANBL	414409.25N / 0841038.51W	Y		IF			17000BFL210	AT 280K	HANBL.HANBL3
PRWLR	415805.95N / 0835030.06W	Y	FB	TF	047.09	20.51	12000B15000		
HEMIE	420545.49N / 0833930.78W	Y	FB	TF	046.86	11.21	10000B11000	AT 250K	

Runway Transition									
HEMIE	420545.49N / 0833930.78W	Y		IF			10000B11000	AT 250K	



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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RAAMM	420954.73N / 0831411.19W	Y	FB	TF	077.43	19.30			
TBRRD	421350.08N / 0831105.83W	Y	FO	TF	030.34	04.54	AT 8000	AT 210K	
KDTW:RWY 21L,RWY 21R				FM	028.75				

Runway Transition

HEMIE	420545.49N / 0833930.78W	Y		IF			10000B11000	AT 250K	
TRPRS	421125.99N / 0833155.82W	Y	FB	TF	044.80	08.00	AT/ABOVE 8000		
DZMND	421542.87N / 0832848.20W	Y	FO	TF	028.48	04.87	AT 8000	AT 210K	
KDTW:RWY 22L,RWY 22R				FM	026.32				

Runway Transition

HEMIE	420545.49N / 0833930.78W	Y		IF			10000B11000	AT 250K	
WUDSN	420755.02N / 0831635.09W	Y	FB	TF	082.66	17.20	AT 8000	AT 210K	
BRDDY	420801.39N / 0830151.98W	Y	FO	TF	089.36	10.95	AT 8000		
KDTW:RWY 27L,RWY 27R				FM	089.36				

