FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS SERVICE ILS STANDARD INSTRUMENT APPROACH PROCEDURE

TITLE 14 CFR PART 97.29

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.

PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE AIRPORT ID ILS OR LOC RWY 27 **MINNEAPOLIS** 1 MN KANE AIRPORT ELEVATION **TDZE SUPERSEDED ORIGINAL/AMENDMENT DATED MAG VAR EPOCH YEAR** 912 910 ILS OR LOC RWY 27 ORIG-D 11/05/2020 2E 2000

FACILITY COORDINATES OF FACILITIES ACTUAL EFFECTIVE DATE REQUIRED EFFECTIVE DATE 8 SEPTEMBER 2022 ROUTINE

TERMINAL ROUTES

FROM	FIX TYPE	<u>TO</u>	FIX TYPE	LEG TYPE	FO/FB	RNP	<u>COURSE</u>	DISTANCE	ALTITUDE
BLAYN/GEP 23.00 DME CW	IAF	JUDAL/16.66 DME					23.00 DME ARC (GEP LR-079)		3100
STILS/GEP 30.94 DME	IAF	JUDAL/16.66 DME					276.44 & 268.72	1.93 (HDG) & 6.03 (I-ANE)	3100
JUDAL/16.66 DME	IF	BOKYA/6.15 DME					268.72	10.52 (I-ANE)	2600

MISSED APPROACH

MAP:

ILS: DA

LOC: 5.16 NM AFTER BOKYA/I-ANE 6.15 DME OR AT I-ANE 0.99 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 DIRECT GEP VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2700.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT JUDAL

3. FAC: 268.72 **FAF:** BOKYA/6.15 DME **DIST FAF TO MAP:** 5.16 **DIST FAF TO THLD:** 5.16

4. MIN ALT: JUDAL/16.66 DME 3100, BOKYA/6.15 DME 2600, KOGGE/3.57 DME 1780

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 930

6. MIN GS INCPT: 2600 GS ALT AT PFAF: BOKYA/6.15 DME 2600 OM: MM: IM:

7. GP ANGLE: 3.00 **34:1: 20:1:** TCH: 48.7

8. MSA FROM: GEP VORTAC 3500

AIRPORT IDPROCEDURE NAMEORIGINAL/AMENDMENTCITYSTATEKANEILS OR LOC RWY 271MINNEAPOLISMN

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

RADAR REQUIRED FOR PROCEDURE ENTRY AT BLAYN.

NOTES:

CHART NOTE: VDP NA WHEN USING CRYSTAL ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT STILS ON V78 EASTBOUND.

CHART PROFILE NOTE: USE I-ANE DME WHEN ON THE LOCALIZER COURSE.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CRYSTAL ALTIMETER SETTING AND INCREASE S-ILS 27 DA TO 1131 FEET; INCREASE ALL MDAS 40 FEET AND S-LOC 27

VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT D 1/4 SM.

CHART NOTE: FOR INOPERATIVE ALS WHEN USING CRYSTAL ALTIMETER SETTING. INCREASE S-LOC 27 CAT C/D

VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 084.00 INBOUND.

CHART FAS OBST: 1082 TANK (27-001565) 450827N/0931028W.

CHART VDP AT 2.18 DME

DISTANCE VDP TO THLD 1.19 NM.

CHART GEP R-058 AT BLAYN.

CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE; LOC: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	Α		В			С			D			E			
FINAL TYPE	DA/MDA	<u>VIS</u>	HAT/HAA												
S-ILS 27	1110	1/2	200	1110	1/2	200	1110	1/2	200	1110	1/2	200			
S-LOC 27	1340	1/2	430	1340	1/2	430	1340	3/4	430	1340	3/4	430			
CIRCLING	1400	1	488	1400	1	488	1420	1 1/2	508	1580	2	668			



AIRPORT ID
KANEPROCEDURE NAME
ILS OR LOC RWY 27ORIGINAL/AMENDMENT
1CITY
MINNEAPOLISSTATE
MINNEAPOLIS

CHANGES - REASONS

- 1. MAP: LOC CHANGED FROM 5.08 NM AFTER BOKYA TO 5.16 NM AFTER BOKYA FIX MOVED.
- 2. PROFILE LINE 3 FAC CHANGED FROM 268.70 TO 268.72, FAF DISTANCE CHANGED FROM 6.07 DME TO 6.15 DME, AND PROFILE LINE 6 GS ALT AT PFAF CHANGED FROM 6.07 DME TO 6.15 CURRENT DATA AND FIX MOVED.
- 3. PROFILE LINE 4 MIN ALT: CHANGED FROM "JUDAL/I-ANE 16.66 DME 3100, BOKYA/I-ANE 6.07 DME 2600, KOGGE/I-ANE 3.59 DME 1780*" TO "JUDAL/16.66 DME 3100, BOKYA/6.15 DME 2600, KOGGE/3.57 DME 1780" IAW 8260.19I. 8-2-6. C AND FAF AND SDF MOVED.
- 4. TERMINAL ROUTE #3, JUDAL TO BOKYA DISTANCE CHANGED FROM 10.60 TO 10.52 AND COURSE FROM 268.70 TO 268.72 BOYKA FIX MOVED.
- 5. ADDITIONAL FLIGHT DATA: DELETED CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW PNM NDB, RT, 149.00 INBOUND AND CHART IN PLANVIEW: PNM NDB PER FPT AND PNM NDB DECOM.
- 6. MINIMUMS: CHANGED CAT C CIRC MDA/HAT FROM 1460/548 TO 1420/508, AND CAT D VISIBILITY FROM 1 SM TO 3/4 SM OBS SURVEY DATA CHANGE.
- 7. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART NOTE: VDP NA WITH CRYSTAL ALTIMETER SETTING" TO "CHART NOTE: VDP NA WHEN USING CRYSTAL ALTIMETER SETTING" IAW 8260.19I 8-6-9, E (9).
- 8. ADDED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CRYSTAL ALTIMETER SETTING AND INCREASE S-ILS 27 DA TO 1131 FEET; INCREASE ALL MDAS 40 FEET AND S-LOC 27 VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT D 1/4 SM IAW 8260.19I, 8-6-11.
- 9. ADDED CHART NOTE: CHART NOTE: FOR INOPERATIVE ALS WHEN USING CRYSTAL ALTIMETER SETTING, INCREASE S-LOC 27 CAT C/D VISIBILITY TO 1 3/8 SM IAW 8260.19I, 8-6-11, O, (3). 10. MISSED APPROACH INSTRUCTIONS: ADDED, "CONTINUE CLIMB-IN-HOLD TO 2700" IAW 8260.3E CHAPTER 17.
- 11. TERMINAL ROUTES: CHANGED IAF STILS FROM SI TO A DR SEGMENT; "STILS INT/GEP 30.94 DME, COURSE 265.00, DISTANCE 7.95 (GEP R-085)" TO "STILS/GEP 30.94 DME, COURSE 276.44 & 268.72 AND DISTANCE 1.93 (GEP R-085) & 6.03 (I-ANE) IAW 8260.3E AND ATC REQUEST.
- 12. ADDITIONAL FLIGHT DATA: ADDED THE OAS NUMBER (27-001565) TO THE FAS OBSTACLE IAW 8260.19I 8-10 C & MEMO DATED JUNE 29, 2020.
- 13. EQUIPMENT REQUIREMENTS NOTES: ADDED RADAR REQUIRED FOR PROCEDURE ENTRY AT BLAYN IAW 8260.19I. 8-2-5.
- 14. MAP: CHANGED FROM "LOC: I-ANE 0.99DME" TO "LOC: 5.16 NM AFTER BOKYA/I-ANE 6.15 DME OR AT I-ANE 0.99 DME IAW 8260.19I, 8-6-6, C. (1).

COORDINATED WITH: ALPA X AOPA X NBAA X A4A APA | HAI 📗 OTHER: ZMP, MSP APP CON, ANE ATCT, AMGR Digitally signed by **FLIGHT CHECKED BY OFFICE** DATE **ALLAN WILL FPO** SCOTT WIEBE 08/02/2022 Aug 01, 2022 Digitally signed by **DEVELOPED BY OFFICE DATE DEAN GRACEY DEAN GRACEY** AJV-A423 05/10/2022 Jun 14, 2022 TITLE APPROVED BY **OFFICE** DATE Digitally signed by MARLON ROBINSON AJV-A420 **MANAGER ALLAN WILL** Aug 01, 2022