

**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.

AIRPORT ID SMQ	PROCEDURE NAME RNAV (GPS) RWY 30	ORIGINAL/AMENDMENT 2B	CITY SOMERVILLE	STATE NJ
AIRPORT ELEVATION 106	TDZE 104	SUPERSEDED RNAV (GPS) RWY 30	DATED 11/05/2020	MAG VAR 13W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 21 MARCH 2024	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2000
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
AFOFY	IAF	CARAK		TF	FB	1.00	236.59	5.82	2000
BONIE	IAF	CARAK		TF	FB	1.00	010.13	5.92	2000
CARAK	IF	BUPDE		TF	FB	1.00	302.12	4.87	1700
BUPDE	FAF	AKEXE/3.60 NM TO RW30		TF	FB	0.30	302.03	1.29	
AKEXE/3.60 NM TO RW30		RW30	MAP	TF	FO	0.30	302.03	3.60	
RW30	MAP	506 MSL		CA			302.03		
506 MSL		OFFER		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LNAV: RW30

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT OFFER AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT CARAK
- FAC: 302.03 FAF: BUPDE DIST FAF TO MAP: 4.89 DIST FAF TO THLD: 4.89
- MIN ALT: CARAK 2000, BUPDE 1700, AKEXE/3.60 NM TO RW30 1680
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT:
- MIN GP INCPT: GP ALT AT FAF: OM: MM: IM:
- GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH:
- MSA FROM: RW30 2900



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 30 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: CIRCLING RWY 8, 17, 26, 30 AND 35 NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BONIE ON V213 SOUTHBOUND AND ON V433 WESTBOUND.
CHART NOTE: STRAIGHT-IN RWY 30 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 122.97 INBOUND.
FAS OBST: 699 AAO 403611N/0743604W.
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA NA WHEN LOCAL WEATHER NOT AVAILABLE.; CAT A, B 900-2

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>												
LNAV MDA	960	1	856	960	1 1/4	856		NA			NA				
CIRCLING	960	1 1/4	854	960	1 1/4	854		NA			NA				

CHANGES - REASONS

1. CHANGED FROM "RNP APCH" TO "RNP APCH-GPS" IN PBN REQUIREMENTS NOTE - PER 8260.19I PARA 8-6-8 B(2).
2. REMOVED "CHART NOTE: PROCEDURE NA AT NIGHT" - NO 20:1 PENETRATIONS FOR RWY 12.
3. ADDED " STRAIGHT-IN RWY 30 NA AT NIGHT" AND "CHART NOTE: CIRCLING RWY 8, 17, 26, 30 AND 35 NA AT NIGHT" - 20:1 PENETRATIONS EXIST, PER 8260.19I, PARA 8-6-11O.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZNY, NEW YORK APP CON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE *Digitally signed by*
CASIMIR L TABAKA
DATE
Dec 20, 2023

DEVELOPED BY

CASIMIR L. TABAKA (SILVIA YOUNG)

Digitally signed by
CASIMIR L TABAKA
OFFICE
AJV-A432
DATE
10/17/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
OFFICE
AJV-A432
DATE
03/21/2024
TITLE
MANAGER

