

**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.

|                                  |                                  |   |   |                            |                           |
|----------------------------------|----------------------------------|---|---|----------------------------|---------------------------|
| <u>AIRPORT</u><br>TOLEDO EXPRESS | <u>AIRPORT ID</u><br>KTOL        | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 34      | <u>ORIGINAL/AMENDMENT</u><br>ORIG-C       | <u>CITY</u><br>TOLEDO      | <u>STATE</u><br>OH        |
| <u>AIRPORT ELEVATION</u><br>683  | <u>TDZE</u><br>668               | <u>SUPERSEDED</u><br>RNAV (GPS) RWY 34          | <u>ORIGINAL/AMENDMENT</u><br>ORIG-B       | <u>DATED</u><br>05/24/2018 | <u>MAG VAR</u><br>5W      |
| <u>FACILITY</u><br>RNAV          | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u><br>30 JANUARY 2020 | <u>REQUIRED EFFECTIVE DATE</u><br>ROUTINE | <u>CANCEL/SUSPEND</u>      | <u>EPOCH YEAR</u><br>1990 |

**TERMINAL ROUTES**

| <u>FROM</u> | <u>FIX TYPE</u> | <u>TO</u> | <u>FIX TYPE</u> | <u>LEG TYPE</u> | <u>FO/FB</u> | <u>RNP</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>ALTITUDE</u> |
|-------------|-----------------|-----------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| SEHSI       |                 | TUPME     |                 | TF              | FB           | 1.00       | 270.50        | 10.33           | 2300            |
| MCLUR       |                 | SEDOE     |                 | TF              | FB           | 1.00       | 070.36        | 10.62           | 2300            |
| TUPME       | IAF             | AZEQY     | NOPT            | TF              | FB           | 1.00       | 252.32        | 5.00            | 2300            |
| SEDOE       | IAF             | AZEQY     | NOPT            | TF              | FB           | 1.00       | 072.18        | 5.00            | 2300            |
| AZEQY       | IF/IAF          | CASAV     |                 | TF              | FB           | 1.00       | 342.25        | 5.00            | 2300            |
| CASAV       | FAF             | RW34      | MAP             | TF              | FO           | 0.30       | 342.22        | 4.91            |                 |
| RW34        | MAP             | 1080 MSL  |                 | CA              |              |            | 342.22        |                 |                 |
| 1080 MSL    |                 | AJFEF     |                 | DF              | FO           | 1.00       |               |                 | 2400            |

**MISSED APPROACH**

**MAP:**  
LNAV: RW34

**MISSED APPROACH INSTRUCTIONS:**  
CLIMB TO 2400 DIRECT AJFEF AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT      SIDE OF COURSE      OUTBOUND      FT WITHIN      MILES OF (IAF)
2. HOLD S AZEQY, RT, 342.25 INBOUND, 2300 FT. IN LIEU OF PT (IAF), MAX 10000.
3. FAC: 342.22      FAF: CASAV      DIST FAF TO MAP: 4.91      DIST FAF TO THLD: 4.91
4. MIN ALT:    AZEQY 2300, CASAV 2300
5. DIST TO THLD FROM OM:      MM:      IM:      150 HAT:      GS ANT:      MM:      IM:
6. MIN GP INCPT:      GP ALT AT FAF :
7. GP ANGLE:      34:1: IS NOT CLEAR      20:1: IS CLEAR      TCH:
8. MSA FROM: RW34 3100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART ASR  
CHART CIRCLING ICON.  
CASAV TO RW34: 3.04/50.  
CHART VDP AT 1.13 NM TO RW34  
CHART FAS OBST: 829 TOWER 413229N/0834514W.  
HOLD N, RT, 162.13 INBOUND

MINIMUMS:

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

ALTERNATE: NA    ☐    STANDARD - CAT D 800-2 1/4

| CATEGORY:  | A      |     |         | B      |     |         | C      |       |         | D      |       |         | E      |     |         |
|------------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|---------|--------|-----|---------|
| FINAL TYPE | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS   | HAT/HAA | DA/MDA | VIS   | HAT/HAA | DA/MDA | VIS | HAT/HAA |
| LNAV MDA   | 1080   | 1   | 412     | 1080   | 1   | 412     | 1080   | 1 1/4 | 412     | 1080   | 1 1/4 | 412     |        |     |         |
| CIRCLING   | 1200   | 1   | 517     | 1200   | 1   | 517     | 1300   | 1 3/4 | 617     | 1360   | 2 1/4 | 677     |        |     |         |

CHANGES - REASONS

1. CIRCLING CHANGED FROM MDA CAT C 1360, CAT D 1400 TO CAT C 1300, CAT D 1360. - TO MATCH THE FLIGHT CHECKED ILS OR LOC RWY 7 CIRCLING.



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZOB, TOL APP OCN, AMGR, TOL APP CON

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:  
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

Digitally signed by

**ALLAN WILL**

Nov 01, 2019

DEVELOPED BY

TOMMY BYRNS

Digitally signed by

**TOMMY BYRNS**

Oct 31, 2019

OFFICE

AJV-A423

DATE

08/02/2019

APPROVED BY

MARLON ROBINSON

OFFICE

AJV-A420

DATE

Digitally signed by

**ALLAN WILL**

Nov 01, 2019

TITLE

MANAGER