

|  |        |                                   |         |  |                           |         |  |          |          |  |      |                  |                  |     |         |  |
|--|--------|-----------------------------------|---------|--|---------------------------|---------|--|----------|----------|--|------|------------------|------------------|-----|---------|--|
| <b>RNAV - STANDARD</b><br><b>INSTRUMENT APPROACH PROCEDURE</b><br><b>TITLE 14 CFR PART 97.33</b>   |        |                                   |         | Bearings, headings, courses, 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 in feet RVR. |                           |         |  |          |          |  |      |                  |                  |     |         |  |
| TERMINAL ROUTES  |        |                                   |         |  |                           |         |  |          |          | MISSED APPROACH  |      |                  |                  |     |         |  |
| FROM   |        | TO                                |         |  | COURSE AND DISTANCE       |         |  | ALTITUDE |          | LPV: DA<br>LNAV/VNAV: DA<br>LNAV: RW06R<br><br>CLIMB TO 3000 DIRECT MOMBE AND ON TRACK 099.37 TO LEBRN AND HOLD.<br><br>ADDITIONAL FLIGHT DATA:<br>HOLD E, RT, 279.37 INBOUND.<br>1009 AAO 411948N/0815643W<br>FAS OBST: 999 AAO 411959N/0815628W<br>DISTANCE TO THLD FROM 327 HAT: 0.88 NM.<br>CHART VDP AT 1.38 NM TO RW06R*<br>*LNAV ONLY.<br>WAAS CHANNEL # 81806<br>REFERENCE PATH ID: W06B<br>CHART CIRCLING ICON.<br>LTP HAE: 199.7 M |      |                  |                  |     |         |  |
| CXR VOR/DME  |        | SERLE (TF) (FO) (RNP 2.00)        |         |  | 258.48 / 43.50            |         |  | 3100     |          |  |      |                  |                  |     |         |  |
| DJB VOR/DME (IAF)  |        | SERLE (NOPT) (TF) (FB) (RNP 1.00) |         |  | 149.31 / 6.69             |         |  | 3000     |          |  |      |                  |                  |     |         |  |
| SERLE (IF/IAF)   |        | TUBOE (TF) (FB) (RNP 1.00)        |         |  | 057.82 / 6.02             |         |  | 2800     |          |  |      |                  |                  |     |         |  |
| TUBOE (FAF)  |        | RW06R (MAP) (TF) (FO) (RNP 0.30)  |         |  | 057.88 / 6.10             |         |  |          |          |  |      |                  |                  |     |         |  |
| RW06R (MAP)  |        | 1104 MSL (CA)                     |         |  | 057.88                    |         |  |          |          |  |      |                  |                  |     |         |  |
| (SEE FORM 8260-10)   |        |                                   |         |  |                           |         |  |          |          |  |      |                  |                  |     |         |  |
| 1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)<br>2. HOLD SW SERLE, RT, 057.82 INBOUND, 3000 FT. IN LIEU OF PT (IAF)<br>3. FAC: 057.88 FAF: TUBOE DIST FAF TO MAP: 6.10 THLD: 6.10<br>4. MIN. ALT: SERLE 3000, TUBOE 2800<br>5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____<br>6. MIN GS INCPT: 2800 GS ALT AT: TUBOE 2800 OM: _____ MM: _____ IM: _____<br>7. GS ANGLE: 3.00 TCH: 56.6 34:1 IS CLEAR<br>8. MSA FROM: RW06R 3100 |        |                                   |         |  |                           |         |  |          |          |  |      |                  |                  |     |         |  |
|  |        |                                   |         |  |                           |         |  |          |          | MAG VAR: 8W  |      |                  | EPOCH YEAR: 2020 |     |         |  |
| 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   | 1104   | 4000                              | 327     | 1104   | 4000                      | 327     | 1104                                   | 4000     | 327      | 1104   | 4000 | 327              |                  |     |         |  |
| LNAV/VNAV DA   | 1215   | 5000                              | 438     | 1215   | 5000                      | 438     | 1215                                   | 5000     | 438      | 1215   | 5000 | 438              |                  |     |         |  |
| LNAV MDA   | 1260   | 2400                              | 483     | 1260   | 2400                      | 483     | 1260                                   | 4000     | 483      | 1260   | 5000 | 483              |                  |     |         |  |
|  |        |                                   |         |  |                           |         |  |          |          |  |      |                  |                  |     |         |  |
| CIRCLING   | 1420   | 1                                 | 621     | 1420   | 1                         | 621     | 1420                                   | 1 3/4    | 621      | 1420   | 2    | 621              |                  |     |         |  |
|  |        |                                   |         |  |                           |         |  |          |          |  |      |                  |                  |     |         |  |
|  |        |                                   |         |  |                           |         |  |          |          |  |      |                  |                  |     |         |  |
| NOTES:<br>CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).<br>CHART NOTE: DME/DME RNP-0.3 NA.<br>CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).<br>CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 6000.<br>(CONTINUED ON PAGE 2)  |        |                                   |         |  |                           |         |  |          |          |  |      |                  |                  |     |         |  |
| CITY AND STATE   |        | ELEVATION: 799 TDZE: 777          |         |  | FACILITY IDENTIFIER: RNAV |         | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: |          |          |  |      | SUP:             |                  |     |         |  |
| CLEVELAND, OH  |        | AIRPORT NAME:                     |         |  | CLEVELAND-HOPKINS INTL    |         | RNAV (GPS) RWY 6R, AMDT 2E             |          |          |  |      | AMDT: 2D         |                  |     |         |  |
|  |        |                                   |         |  |                           |         | 7 DECEMBER 2017                        |          |          |  |      | DATED 06/23/2016 |                  |     |         |  |



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

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES, (CONT.):

| FROM     | TO                         | COURSE AND DISTANCE | ALTITUDE |
|----------|----------------------------|---------------------|----------|
| 1104 MSL | MOMBE (DF) (FB) (RNP 1.00) |                     |          |
| MOMBE    | LEBRN (TF) (FO) (RNP 1.00) | 099.37 / 6.15       | 3000     |

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CXR VOR/DME ON V486 EASTBOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DJB VOR/DME AIRWAY RADIALS 096 CW 183.  
CHART NOTE: CIRCLING RWY 10 NA AT NIGHT.

QUALITY  
25  
CHECKED

CITY AND STATE  
CLEVELAND, OH

ELEVATION: 799 TDZE: 777  
AIRPORT NAME:  
CLEVELAND-HOPKINS INTL

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 6R, AMDT 2E  
7 DECEMBER 2017

SUP:  
AMDT: 2D  
DATED: 06/23/2016

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

Bearings, headings, courses, 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 in feet RVR.

**FAS DATA BLOCK INFORMATION****DATA FIELD****DATA**

|  |               |
|--|---------------|
| OPERATION TYPE                           | 0             |
| SBAS SERVICE PROVIDER IDENTIFIER         | 0             |
| AIRPORT IDENTIFIER                       | KCLE          |
| RUNWAY                                   | RW06R         |
| APPROACH PERFORMANCE DESIGNATOR          | 0             |
| ROUTE INDICATOR                          |               |
| REFERENCE PATH DATA SELECTOR             | 0             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W06B          |
| LTP/FTP LATITUDE                         | 412404.1000N  |
| LTP/FTP LONGITUDE                        | 0815152.0340W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | +01997        |
| FPAP LATITUDE                            | 412501.4640N  |
| FPAP LONGITUDE                           | 0815021.3940W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00056.6       |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F             |
| GLIDEPATH ANGLE (GPA)                    | 03.00         |
| COURSE WIDTH AT THRESHOLD                | 106.75        |
| LENGTH OFFSET                            | 0304          |
| HORIZONTAL ALERT LIMIT (HAL)             | 40.0          |
| VERTICAL ALERT LIMIT (VAL)               | 50.0          |

**CRC REMAINDER**

97A6BD29

**ADDITIONAL PATH POINT RECORD INFORMATION**

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K5     |
| LTP ORTHOMETRIC HEIGHT  | +02339 |
| FPAP ORTHOMETRIC HEIGHT | +02339 |

QUALITY  
25  
CHECKED

|                                     |   |                       |   |                   |
|-------------------------------------|---|-----------------------|---|-------------------|
| CITY AND STATE<br><br>CLEVELAND, OH | ELEVATION: 799<br>AIRPORT NAME:<br><br>CLEVELAND-HOPKINS INTL | TDZE: 777<br><br>RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE:<br><br>RNAV (GPS) RWY 6R, AMDT 2E<br>7 DECEMBER 2017 | SUP:              |
|                                     |   |                       |   | AMDT: 2D          |
|                                     |   |                       |   | DATED: 06/23/2016 |