

**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.

| | | | | | | |
|----------------------------------|----------------------------------|--|---|----------------------------|----------------------|---------------------------|
| <u>AIRPORT</u> BOONE COUNTY | <u>AIRPORT ID</u> KHRO | <u>PROCEDURE NAME</u> ILS OR LOC RWY 36 | <u>ORIGINAL/AMENDMENT</u> 1 | <u>CITY</u> HARRISON | <u>STATE</u> AR | |
| <u>AIRPORT ELEVATION</u> 1365 | <u>TDZE</u> 1351 | <u>SUPERSEDED</u> ILS RWY 36 | <u>ORIGINAL/AMENDMENT</u> ORIG-A | <u>DATED</u> 02/16/2006 | <u>MAG VAR</u> 4E | <u>EPOCH YEAR</u> 1990 |
| <u>FACILITY</u> I-HRO | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>CANCEL/SUSPEND</u> | | |

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> |
|-----------------------|-----------------|-----------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| HRO VOR/DME | | ZENUN/I-HRO 12.61 DME | | | | | 167.93 | 15.69 | 3700 |
| ZENUN/I-HRO 12.61 DME | IF/IAF | BOLTE/I-HRO 6.61 DME | | | | | 358.83 | 6.00 (I-HRO) | 3200 |

MISSED APPROACH

MAP:

ILS: DA
LOC: HOTIX/I-HRO 1.58 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1900 THEN CLIMBING LEFT TURN TO 3700 DIRECT HRO VOR/DME AND HOLD, CONTINUE CLIMB-IN HOLD TO 3700

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD S ZENUN, RT, 358.83 INBOUND, 3700 FT. IN LIEU OF PT (IAF), MAX 5800.
3. **FAC:** 358.83 **FAF:** BOLTE/I-HRO 6.61 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 5.64
4. **MIN ALT:** ZENUN/I-HRO 12.61 DME 3700, BOLTE/I-HRO 6.61 DME 3200, WOSET/I-HRO LOC 2.59 DME 1900*
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 1051
6. **MIN GS INCPT:** 3200 **GS ALT AT FAF :** BOLTE/I-HRO 6.61 DME 3200 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 52.0
8. **MSA FROM:** HRO VOR/DME 3700

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED FOR LOC ONLY.
DME OR RADAR REQUIRED FOR PROCEDURE ENTRY



NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HRO VOR/DME AIRWAY RADIALS 172 CW 219.
CHART PROFILE NOTE: USE I-HRO DME WHEN ON THE LOCALIZER COURSE.
*LOC ONLY
CHART IN PLANVIEW ONLY: HRO VOR/DME 15.7 DME AT ZENUN.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART PLANVIEW NOTE: LOC FINAL OFFSET 2.72 DEGREES.
CHART FAS OBST: 1427 TREE 361509N/0930931W.
FAC CROSSES RWY C/L EXTENDED 2642 FT FROM THLD.
HOLD NW, RT, 136.00 INBOUND

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

ALTERNATE: NA ☒

| 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 |
| S-ILS 36 | 1601 | 1/2 | 250 | 1601 | 1/2 | 250 | 1601 | 1/2 | 250 | 1601 | 1/2 | 250 | | | |
| S-LOC 36 | 1680 | 1/2 | 329 | 1680 | 1/2 | 329 | 1680 | 1/2 | 329 | 1680 | 1/2 | 329 | | | |
| CIRCLING | 1840 | 1 | 475 | 1860 | 1 | 495 | 2340 | 3 | 975 | 2560 | 3 | 1195 | | | |

CHANGES - REASONS

1. REMOVED PT INITIAL AT LOM (BAKKY) - NDB FACILITY DECOMMISSIONED.
2. CHANGED MSA FACILITY FROM HR LOM TO HARRISON VOR/DME - NDB FACILITY DECOMMISSIONED.
3. ADDED FIX ZENUM AT 12.61 DME AS IF/IAF WITH HOLD-IN-LIEU AT 3700 FT - PT INITIAL REMOVED WITH LOM DECOMMISSIONING.
4. MOVED FIX BOLTE TO 6.61 DME AS THE PFAF - TO ESTABLISH A CO-LOCATED PFAF FOR ILS AND LOC FINALS.
5. CHANGED GLIDESLOPE INTERCEPT ALTITUDE AT BOLTE FROM 3100 TO 3200 FT- TO MIMIC THE RNAV TO RWY 36 AND TO STABILIZE DESCENT GRADIENT FOR THE LOC PROCEDURE.
6. PROCEDURE NA FOR ARRIVAL ON HRO VOR/DME AIRWAY RADIALS 172 CW 219 - AS PER FEEDER ROUTE ALIGNMENT CRITERIA, 8260-3D.
7. ADDED FINAL SDF WOSET AT 2.59 DME AND 1900 FEET - TO STEP-OVER AAO CONTROLLER TO GAIN THE LOWEST USEABLE STRAIGHT-IN MDA.
8. DELETED PLANVIEW NOTE ADF OR DME REQUIRED - ADF FUNCTION REMOVED WITH NDB FACILITY DECOMMISSIONING.
9. ADDED EQUIPMENT REQUIREMENTS NOTES: DME AND RADAR REQUIRED FOR PROCEDURE ENTRY AND DME REQUIRED FOR LOC ONLY - AS PER 8260-19H, 8-6-8 2 (A-E).
10. DELETED PLANVIEW OF THE ALTERNATE MISSED APPROACH - NO ADDITIONAL NAVIADS AVAILABLE AFTER NDB FACILITY DECOMMISSIONED.
11. CHANGED THE PRIMARY MISSED APPROACH FROM “CLIMB TO 3200 THEN LEFT TURN DIRECT HRO VOR/DME AND HOLD” TO “CLIMB TO 1900 THEN CLIMBING LEFT TURN TO 3700 DIRECT HRO VOR/DME AND HOLD, CONTINUE CLIMB-IN HOLD TO 3700” - CIH REQUIRED; TERMINATION ALTITUDE NOT REACHED BY CLEARANCE LIMIT.
12. CHANGED S-LOC ALL CATS MDA/HAT FROM 1880/529 TO 1680/329 - LOWER MINIMUMS WITH ADDITION OF STEPDOWN FIXES.
13. CHANGED CIRCLING MDA/HAT CAT A FROM 1880/515 TO 1840/475; CAT B FROM 1880/515 TO 1860/ 495; CAT C FROM 1880/515 TO 2560/975 AND CAT D FROM 1920/555 TO 2560/1195 - APPLICATION OF NEW CIRCLING RADII.
14. CHART CIRCLING ICON - APPLICATION OF NEW CIRCLING RADII.
15. CHANGED MSA FROM 3800 TO 3700 - NEW CONTROLLING OBSTACLE.
16. CHANGED IAP NAME FROM ILS RWY 36 TO ILS OR LOC RWY 36 - 8260-3D 1-6-4.
17. CHANGED FEEDER FROM HARRISON VOR/DME TO HR LOM TO HARRISON VOR/DME TO DME FIX ZENUM - NDB FACILITY DECOMMISSIONED AND NEWLY DESIGNED INITIAL SEGMENT.
18. CHART PLANVIEW ONLY: HRO VOR/DME 15.7 AT ZENUN - AS PER FEEDER ROUTE ALIGNMENT CRITERIA.
19. CHART PROFILE NOTE: USE I-HRO DME WHEN ON THE LOCALIZER COURSE - AS PER 8260.19H CRITERIA ON MULTIPLE DME SOURCES.
20. NAMED THE MISSED APPROACH POINT (MAP) HOTIX 1.58 LOC/DME (.062 NM FROM FEP) - AS PER 8260.19H MAP IS NOT THE LTP.
21. INCREASE CIRCLING VISIBILITY CAT C/D FROM 1 1/2 SM AND 2 SM (RESPECTIVELY) TO 3 SM - APPLICATION OF NEW CIRCLING RADII.



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZME, AMGR

| | | | |
|---|---|-----------------------|-------------------------|
| <u>FLIGHT CHECKED BY</u> BRIAN HARRELSON | <i>Digitally signed by</i> DAVID DANNER Jan 07, 2020 | <u>OFFICE</u> FICO | <u>DATE</u> 12/30/19 |
|---|---|-----------------------|-------------------------|

| | | | |
|---|---|---------------------------|---------------------------|
| <u>DEVELOPED BY</u> DAVID DANNER (ANDRE MARSH) | <i>Digitally signed by</i> DAVID DANNER Jan 07, 2020 | <u>OFFICE</u> AJV-A421 | <u>DATE</u> 09/02/2019 |
|---|---|---------------------------|---------------------------|

| | | | | |
|---------------------------------------|---|---------------------------|-------------|-------------------------|
| <u>APPROVED BY</u> MARLON ROBINSON | <i>Digitally signed by</i> DAVID DANNER Jan 07, 2020 | <u>OFFICE</u> AJV-A420 | <u>DATE</u> | <u>TITLE</u> MANAGER |
|---------------------------------------|---|---------------------------|-------------|-------------------------|



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

| AIRPORT | AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|--------------|------------|-------------------|----------|----------|-------|-------------------|----------|
| BOONE COUNTY | KHRO | ILS OR LOC RWY 36 | 1 | HARRISON | AR | 1365 | I-HRO |

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
HRO VOR/DME

TO
ZENUN/I-HRO 12.61 DME

| RNP | DISTANCE 15.69 | PAT | MAP | HAT | HMAS | | | | | | | |
|---------------------|------------------------|-----|-------------|------|------|----|------|-----|----|------|-------------|---------|
| OBSTRUCTION | COORDINATES | | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| 1.TOWER (05-000978) | 361009.00N/0931457.00W | | 2652 | 500 | 125 | 5E | 1000 | | | | | 3700 |
| 2.TERRAIN | 360954.00N/0931609.00W | | 2221 (2200) | | | | | | | | AT1500 | 3700 |

COMPUTATIONS

| ALT | KIAS | KTAS | HAA | VKTW | TR | BA | DTA | COURSE CHANGE | DVEB | VEB OCS | RF CENTER FIX/DISTANCE |
|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|
|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|

SEGMENT REMARKS:

INTERMEDIATE: ILS

FROM
ZENUN/I-HRO 12.61 DME (IF/IAF)

TO
BOLTE/I-HRO 6.61 DME

| RNP | DISTANCE 6.00 | PAT | MAP | HAT | HMAS | | | | | | | |
|-------------|------------------------|-----|-------------|------|------|----|-----|-----|----|------|-------------|---------|
| OBSTRUCTION | COORDINATES | | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| 3.AAO | 360315.00N/0931403.00W | | 2307 | 164 | 98 | 4E | 500 | | | | AC98 AT295 | 3200 |
| 4.TERRAIN | 360954.00N/0931609.00W | | 2099 (2100) | | | | | | | | AS1000 | 3100 |

COMPUTATIONS

| ALT | KIAS | KTAS | HAA | VKTW | TR | BA | DTA | COURSE CHANGE | DVEB | VEB OCS | RF CENTER FIX/DISTANCE |
|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|
|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|

SEGMENT REMARKS:



INTERMEDIATE: LOC

FROM

ZENUN/I-HRO 12.61 DME (IF/IAF)

TO

BOLTE/I-HRO 6.61 DME

| RNP | DISTANCE | PAT | MAP | HAT | | | HMAS | | | | | |
|-------------|------------------------|-----|-------------|------|------|----|------|-----|----|------|-------------|---------|
| | 6.00 | | | | | | | | | | | |
| OBSTRUCTION | COORDINATES | | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| 3.AAO | 360315.00N/0931403.00W | | 2307 | 164 | 98 | 4E | 500 | | | | AC98 AT295 | 3200 |
| 4.TERRAIN | 360954.00N/0931609.00W | | 2099 (2100) | | | | | | | | AS1000 | 3100 |

| COMPUTATIONS | ALT | KIAS | KTAS | HAA | VKTW | TR | BA | DTA | COURSE CHANGE | DVEB | VEB OCS | RF CENTER FIX/DISTANCE |
|--------------|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|
|--------------|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|

SEGMENT REMARKS:

FINAL: ILS

FROM

BOLTE/I-HRO 6.61 DME

TO

HOTIX

| <u>RNP</u> | <u>DISTANCE</u> 5.02 | <u>PAT</u> | <u>MAP</u> DA | <u>HAT</u> 250 | | | <u>HMAS</u> | | | | | |
|--------------------|-------------------------|------------|------------------|-------------------|-------------|-----------|-------------|------------|-----------|-------------|--------------------|----------------|
| <u>OBSTRUCTION</u> | <u>COORDINATES</u> | | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| 5.POLE (05-022834) | 361509.37N/0930927.76W | | 1396 | 20 | 3 | 1A | | 34:1 | | | SA-11 | 1601 |

| COMPUTATIONS | ALT | KIAS | KTAS | HAA | VKTW | TR | BA | DTA | COURSE CHANGE | DVEB | VEB OCS | RF CENTER FIX/DISTANCE |
|--------------|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|
|--------------|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|

SEGMENT REMARKS:



FINAL: LOC

FROM
BOLTE/I-HRO 6.61 DME

TO
WOSET/I-HRO LOC 2.59 DME

| <u>RNP</u> | <u>DISTANCE</u> 4.02 | <u>PAT</u> | <u>MAP</u> | <u>HAT</u> | | | <u>HMAS</u> | | | | | |
|--------------------|-------------------------|------------|-----------------|-------------|-------------|-----------|-------------|------------|-----------|-------------|--------------------|----------------|
| <u>OBSTRUCTION</u> | <u>COORDINATES</u> | | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| 6.AAO | 361156.29N/0931004.20W | | 1540 | 50 | 20 | 2C | 250 | | | | DG110 | 1900 |

COMPUTATIONS

| | | | | | | | | | | | |
|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|
| ALT | KIAS | KTAS | HAA | VKTW | TR | BA | DTA | COURSE CHANGE | DVEB | VEB OCS | RF CENTER FIX/DISTANCE |
|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM
WOSET/I-HRO 2.52 DME

TO
HOTIX/I-HRO 1.58 DME

| <u>RNP</u> | <u>DISTANCE</u> 1.58 | <u>PAT</u> | <u>MAP</u> HOTIX/I-HRO 1.58 DME | <u>HAT</u> 329 | | | <u>HMAS</u> | | | | | |
|--------------------|-------------------------|------------|------------------------------------|-------------------|-------------|-----------|-------------|------------|-----------|-------------|--------------------|----------------|
| <u>OBSTRUCTION</u> | <u>COORDINATES</u> | | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| 7.TREE (05-030343) | 361509.19N/0930930.71W | | 1427 | 20 | 3 | 1A | 250 | | | | | 1680 |

COMPUTATIONS

| | | | | | | | | | | | |
|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|
| ALT | KIAS | KTAS | HAA | VKTW | TR | BA | DTA | COURSE CHANGE | DVEB | VEB OCS | RF CENTER FIX/DISTANCE |
|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM
ZENUN

TO
P-5

| RNP | DISTANCE | PAT P-5 | MAP | HAT | | | HMAS | | | | | |
|---------------------|------------------------|------------|-------------|------|------|----|------|-----|----|------|-------------|---------|
| OBSTRUCTION | COORDINATES | | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| 8.TOWER (05-001248) | 355749.00N/0930908.00W | | 2477 | 500 | 125 | 5E | 1000 | | | | PR90 AT133 | 3700 |
| 9.TERRAIN | 355412.00N/0931206.00W | | 2234 (2200) | | | | | | | | AS1500 | 3700 |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : ILS

FROM
DA

TO
HRO VOR/DME

| <u>RNP</u> | <u>DISTANCE</u> | <u>PAT</u> | <u>MAP</u> | <u>HAT</u> | | | <u>HMAS</u> 1413 | | | | | |
|--------------------|------------------------|------------|-----------------|-------------|-------------|-----------|---------------------|------------|-----------|-------------|--------------------|----------------|
| <u>OBSTRUCTION</u> | <u>COORDINATES</u> | | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| | | | | | | | | ASC | | | | 3700 |
| 10.AAO | 361654.00N/0931439.00W | | 1828 | 164 | 98 | 4E | 1000 | | | | | 2900 |
| 11.TERRAIN | 361557.00N/0931339.00W | | 1597 (1600) | | | | | | | | AS1500 | 3100 |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LOC

FROM
HOTIX/I-HRO 1.58 DME

TO
HRO VOR/DME

| RNP | DISTANCE | PAT | MAP | HAT | | | HMAS 1430 | | | | | |
|-------------|------------------------|-----|-------------|------|------|----|--------------|-----|----|------|-------------|---------|
| OBSTRUCTION | COORDINATES | | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| | | | | | | | | ASC | | | | 3700 |
| 10.AAO | 361654.00N/0931439.00W | | 1828 | 164 | 98 | 4E | 1000 | | | | | 2900 |
| 11.TERRAIN | 361557.00N/0931339.00W | | 1597 (1600) | | | | | | | | AS1500 | 3100 |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

| OBSTRUCTION | COORDINATES | RADIUS | HAA | ELEV MSL | HORZ | VERT | AC | ROC | OCS | ADJUSTMENTS | MIN ALT |
|-------------|------------------------|--------|------|----------|------|------|----|-----|-----|-------------|---------|
| CATEGORY A | | | | | | | | | | | |
| 12.TREE | 361436.48N/0931046.64W | 1.31 | 475 | 1539 | 50 | 20 | 2C | 300 | | | 1840 |
| CATEGORY B | | | | | | | | | | | |
| 13.TREE | 361419.81N/0931113.00W | 1.85 | 495 | 1559 | 50 | 20 | 2C | 300 | | | 1860 |
| CATEGORY C | | | | | | | | | | | |
| 14.TREE | 361305.80N/0931146.50W | 2.92 | 975 | 2039 | 50 | 20 | 2C | 300 | | | 2340 |
| CATEGORY D | | | | | | | | | | | |
| 15. AAO | 361214.15N/0931216.49W | 3.83 | 1195 | 2260 | 50 | 20 | 2C | 300 | | | 2560 |

CIRCLING REMARKS:



MSA

CENTER
HRO VOR/DME

RADIUS
25

| SECTOR | OBSTRUCTION | COORDINATES | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC | OCS | ADJUSTMENTS | MIN ALT |
|---------|-------------------|------------------------|---------|----------|----------|------|------|----|------|-----|-------------|---------|
| 360-360 | TOWER (05-000978) | 361009.00N/0931457.00W | 187 | 09.1 | 2652 | 500 | 125 | 5E | 1000 | | | 3700 |

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZME ARTCC

| | | | | | | |
|---------------------------|-------------------------|----------------------------|---------------------------------|----------------------|-----------------------|-------------------------|
| <u>WX SERVICE</u> ASOS | <u>LOCATION</u> KHRO | <u>HRS OPERATION</u> 24 | <u>ALTIMETER SOURCE</u> KHRO | <u>DISTANCE</u> 0 | <u>SERVICE-A</u> Y | <u>ADJUSTMENTS</u> 0 |
| <u>BACK-UP WX SERVICE</u> | <u>LOCATION</u> | <u>HRS OPERATION</u> | <u>ALTIMETER SOURCE</u> | <u>DISTANCE</u> | <u>SERVICE-A</u> | <u>ADJUSTMENTS</u> |

WX REMARKS:

| | | | |
|--|-------------------------------------|----------------------------|----------------------------|
| <u>PRIMARY NAVAID</u> I-HRO | <u>MONITOR POINT</u> UNMONITORED | <u>HRS OPERATION</u> 24 | <u>CAT</u> 3 |
| <u>APPROACH AND RUNWAY LIGHTING SYSTEM</u> | | <u>RUNWAY MARKINGS</u> | <u>RUNWAY VISUAL RANGE</u> |
| RW18 - HIRL (PCL), REIL (PCL), VASI-4L | | PIR-G | |
| RW36 - MALSR (PCL), HIRL (PCL), VASI-4L | | PIR-G | |

| | | | | | | |
|---------------------------------|-------------------------------------|--------------------|----------------------------------|----------------------------------|---------------------------|--------------------|
| <u>GLIDESLOPE ANGLE</u> 3.00 | <u>ELEV RWY THRESHOLD</u> 1351.3 | <u>TCH</u> 52.0 | <u>ELEV GS ANTENNA</u> 1344.5 | <u>DISTANCE FROM RWY</u> 1051 | <u>VGSI ANGLE</u> 3.00 | <u>TCH</u> 50.0 |
|---------------------------------|-------------------------------------|--------------------|----------------------------------|----------------------------------|---------------------------|--------------------|

FINAL APPROACH COURSE AIMING

| | | | | |
|------------------|-------------------------------------|------|--------------------|------------------------------|
| RUNWAY THRESHOLD | <input type="checkbox"/> | 2642 | FT FROM THRESHOLD | DISPLACED THRESHOLD DISTANCE |
| ON CENTERLINE | <input checked="" type="checkbox"/> | | FT FROM CENTERLINE | |

CRITICAL TEMPERATURES

| | | | |
|---------------------|----------------------|------------|----------------|
| <u>CRITICAL LOW</u> | <u>CRITICAL HIGH</u> | <u>ACT</u> | <u>APT ISA</u> |
|---------------------|----------------------|------------|----------------|

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS



ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



| | | | | | | | |
|--------------------------------|---------------------------|--|----------------------|-------------------------|--------------------|----------------------------------|--------------------------|
| <u>AIRPORT</u> BOONE COUNTY | <u>AIRPORT ID</u> KHRO | <u>PROCEDURE NAME</u> ILS OR LOC RWY 36 | <u>AMDT NO.</u> 1 | <u>CITY</u> HARRISON | <u>STATE</u> AR | <u>AIRPORT ELEVATION</u> 1365 | <u>FACILITY</u> I-HRO |
|--------------------------------|---------------------------|--|----------------------|-------------------------|--------------------|----------------------------------|--------------------------|

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

| | | | |
|--|---------------------------------|---------------------------------|--------|
| DISTANCE FROM | THLD | TO 1000FT POINT | 3.44 |
| WIDTH OF | FINAL | SEGMENT AT 1000FT POINT | 0.96 |
| TRUE COURSE OF | FINAL | SEGMENT CONTAINING 1000FT POINT | 002.83 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1000FT POINT | 1500 |
| DISTANCE FROM | THLD | TO 1500FT POINT | 11.04 |
| WIDTH OF | INTERMEDIATE | SEGMENT AT 1500FT POINT | 7.80 |
| TRUE COURSE OF | INTERMEDIATE | SEGMENT CONTAINING 1500FT POINT | 002.83 |
| HIGH TERRAIN IN | INTERMEDIATE | SEGMENT CONTAINING 1500FT POINT | 2100 |
| THRESHOLD COORDINATES (IF STR-IN) | 361511.14N/0930920.67W | | |
| ARP COORDINATES | 361541.47N/0930917.02W | | |
| RUNWAY APCH END AND DIST FURTHEST FROM ARP | RUNWAY 36 DISTANCE 0.51 NM | | |
| FAF COORDINATES | 360932.67N/0930942.83W | | |
| FIX NAME COORDINATES | | | |
| REMARKS | NO ADDITIONAL AIRSPACE REQUIRED | | |

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| | | | | | | | |
|--------------------------------|---------------------------|--|----------------------|-------------------------|--------------------|----------------------------------|--------------------------|
| <u>AIRPORT</u> BOONE COUNTY | <u>AIRPORT ID</u> KHRO | <u>PROCEDURE NAME</u> ILS OR LOC RWY 36 | <u>AMDT NO.</u> 1 | <u>CITY</u> HARRISON | <u>STATE</u> AR | <u>AIRPORT ELEVATION</u> 1365 | <u>FACILITY</u> I-HRO |
|--------------------------------|---------------------------|--|----------------------|-------------------------|--------------------|----------------------------------|--------------------------|

PART E: PREPARED BY

| | | | |
|---|---------------------------|---------------------------|---|
| <u>NAME</u> DAVID DANNER (ANDRE MARSH) | <u>OFFICE</u> AJV-A421 | <u>DATE</u> 09/02/2019 | <u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST |
|---|---------------------------|---------------------------|---|

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