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|--|--|--|------|--|--------|---|---------|-----------------|-------|--|--------|------|---------|--------|-----|---------|
| US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION | | ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29 | | 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 | | ILS: DA LOC: 5.23 NM AFTER HEXOS/I-BIL 5.04 DME OR AT I-BIL 0.19 DME | | | | | | |
| BIL VORTAC | | HEXOS/I-BIL LOC/DME 5.04 DME | | 304.52 / 2.91 | | | | 6200 | | CLIMB TO 4500 THEN CLIMBING RIGHT TURN TO 6000 ON BIL VORTAC R-122 TO BIL VORTAC AND HOLD. | | | | | | |
| BEARE (IAF) | | WIBON (TF) (FB) (RNP 1.00) | | 064.40 / 5.68 | | | | 6000 | | | | | | | | |
| LRSUN (IAF) | | WIBON (TF) (FB) (RNP 1.00) | | 111.11 / 6.62 | | | | 6000 | | | | | | | | |
| WIBON/I-BIL LOC/DME 11.04 DME (IF) | | HEXOS/I-BIL LOC/DME 5.04 DME | | 101.71 / 6.00 (I-BIL) | | | | 5300 | | ADDITIONAL FLIGHT DATA: HOLD SE, RT, 303.00 INBOUND. CHART FAS OBST: 3732 TREE 454908N/1083544W. CHART IN PROFILE VIEW: I-BIL DME ANTENNA. CHART VDP AT 0.96 DME* DISTANCE VDP TO THLD 1.14 NM. *LOC ONLY. CHART MANDATORY 8000 AT BEARE. CHART MANDATORY 8000 AT LRSUN. CHART CIRCLING ICON. | | | | | | |
| 1. PT <u>L</u> SIDE OF COURSE <u>281.71</u> OUTBOUND <u>5800</u> FT WITHIN <u>10</u> MILES OF <u>HEXOS</u> (IAF) | | | | | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | |
| 3. FAC: <u>101.71</u> FAF: <u>HEXOS/I-BIL LOC/DME 5.04 DME</u> DIST FAF TO MAP: <u>5.23</u> THLD: <u>5.23</u> | | | | | | | | | | MAG VAR: 10E EPOCH YEAR: 2020 | | | | | | |
| 4. MIN. ALT: <u>HEXOS/I-BIL LOC/DME 5.04 DME 5300, ZOBUM/I-BIL LOC/DME 2.12 DME 4360*</u> | | | | | | | | | | | | | | | | |
| 5. DIST TO THLD FROM OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1135</u> | | | | | | | | | | | | | | | | |
| 6. MIN GS INCPT: <u>5300</u> GS ALT AT: <u>HEXOS 5300</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> | | | | | | | | | | | | | | | | |
| 7. GS ANGLE: <u>3.00</u> TCH: <u>50.6</u> | | | | | | | | | | | | | | | | |
| 8. MSA FROM: <u>BIL VORTAC 130-220 8300, 220-130 6300</u> | | | | | | | | | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | | | | | |
| TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | | | | ALTERNATE: N A | | ILS: STANDARD # | | LOC: 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 |
| S-ILS 10L** | | 3785 | 2400 | 200 | 3785 | 2400 | 200 | 3785 | 2400 | 200 | 3785 | 2400 | 200 | | | |
| S-LOC 10L | | 4000 | 2400 | 415 | 4000 | 2400 | 415 | 4000 | 4000 | 415 | 4000 | 4000 | 415 | | | |
| CIRCLING | | 4100 | 1 | 448 | 4160 | 1 | 508 | 4180 | 1 1/2 | 528 | 4580 | 3 | 928 | | | |
| NOTES: CHART SPEED ICON IN PLANVIEW AT BEARE : MAX 210 KIAS. CHART SPEED ICON IN PLANVIEW AT LRSUN : MAX 230 KIAS. CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 10L CAT C/D VISIBILITY TO RVR 6000. CHART NOTE: **RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA. (CONTINUED ON PAGE 2) | | | | | | | | | | | | | | | | |
| CITY AND STATE BILLINGS, MT | | ELEVATION: 3652 TDZE: 3585 AIRPORT NAME: BILLINGS LOGAN INTL | | FACILITY IDENTIFIER: I-BIL | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS Y OR LOC Y RWY 10L, AMDT 26, 2/1/2018 | | | | SUP: ILS OR LOC RWY 10L AMDT: 25A DATED 04/28/2016 | | | | | | |



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CHART PBN NAVSPEC REQUIREMENT NOTE: RNAV 1.

EQUIPMENT REQUIREMENT NOTE: RNAV 1-GPS OR DME REQUIRED FOR PROCEDURE ENTRY.

EQUIPMENT REQUIREMENTS NOTE: DME REQUIRED.

EQUIPMENT REQUIREMENTS NOTE FROM BEARE, LRSUN: RNAV 1-GPS REQUIRED.

QUALITY
23
CHECKED

CITY AND STATE

BILLINGS, MT

ELEVATION: 3652

TDZE: 3585

AIRPORT NAME:

BILLINGS LOGAN INTL

FACILITY
IDENTIFIER:

I-BIL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS Y OR LOC Y RWY 10L, AMDT 26, 2/1/2018

SUP: **ILS OR LOC RWY
10L**

AMDT: **25A**

DATED: **04/28/2016**