

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Distances are in nautical miles (NM). Graphic depictions attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
BGHRN (RNAV)	THREE	BGHRN.BGHRN3	TWO	02/01/2018	09/13/2018

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
CUSGA	CUSGA.BGHRN3	CUSGA	CUSGA						AT/ABOVE 15000
			BGHRN	310.66	37.27	11700			AT/ABOVE 15000

ARRIVAL ROUTE DESCRIPTION:

FROM BGHRN ON TRACK 310.59/5.53 TO CROSS LITTLE AT OR ABOVE 13500, THEN ON TRACK 310.53/17.71 TO CROSS KROWE AT OR ABOVE 9000 AND AT OR BELOW 250 KIAS.

LANDING RWY 10L: FROM KROWE ON TRACK 296.24/15.53 TO CROSS IZUFE AT OR ABOVE 8000 AND AT OR BELOW 220 KIAS, THEN ON TRACK 281.88/8.21 TO CROSS DEHLR AT 6200 AND AT 210 KIAS, THEN ON HEADING 280.00 OR AS ASSIGNED BY ATC. EXPECT ASSIGNED APPROACH OR RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 28R: FROM KROWE ON TRACK 335.58/9.26 TO CROSS HRDIN AT 6700 AND AT OR BELOW 230 KIAS, THEN ON HEADING 308.00 OR AS ASSIGNED BY ATC. EXPECT ASSIGNED APPROACH OR RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: GPS REQUIRED

FIXES AND/OR HOLDING PATTERNS:

CHART: HOLDING AT BGHRN, HOLD SE, RT, 310.66 INBOUND, (10 NM LEGS). CHART: BIL VORTAC.

COMMUNICATIONS:

ATIS, APP CON, TWR, GND CON.

AIRPORTS SERVED:

BILLINGS LOGAN INTL (KBIL), BILLINGS, MT

LOST COMMUNICATIONS PROCEDURE:REMARKS:ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: UNSAT.

REFERENCE MAGNETIC VARIATION = KBIL 10E/2020.



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Arrival Name BGHRN (RNAV)	Number THREE	STAR Computer Code BGHRN.BGHRN3	Superseded Number TWO	Dated 02/01/2018	Effective Date 09/13/2018
<u>FLIGHT INSPECTED BY:</u>			<i>Digitally signed by</i> JACOB POWERS Jun 15, 2018		
FLIGHT INSPECTION REVIEW NOT REQUIRED-PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017			Organization	Date	Signature
<u>DEVELOPED BY:</u>			<i>Digitally signed by</i> JACOB POWERS Jun 15, 2018		
Rodney Sabino, Support Manager			Salt Lake ARTCC	05/30/2018	Signature
Name			Organization	Date	Signature
<u>APPROVED BY:</u>			<i>Digitally signed by</i> JACOB POWERS Jun 15, 2018		
MARLON J. ROBINSON, MANAGER			AJV-5440		Signature
Name			Organization	Date	Signature

CHANGES:

1. REVISED RWY 28R (REMOVED NAMED APPROACH PROCEDURE) AND 10L ARRIVAL ROUTE DESCRIPTIONS ADVISING TO EXPECT ASSIGNED APPROACH OR RADAR VECTORS TO FINAL APPROACH COURSE.
2. CHANGED RWY 28R VM LEG COURSE FROM 307 TO 308.

REASONS:

1. ATC REQUEST. CLARIFIES EXPECTATIONS AT TERMINATION OF THE STAR.
2. ATC REQUEST. ALIGNS VM LEG WITH SEVERAL RWY 28R IAP'S FROM HRDIN INITIAL WHICH HAS BEEN PREVIOUSLY FLIGHT CHECKED SAT.



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name BGHRN (RNAV)	Number THREE	STAR Computer Code BGHRN.BGHRN3	Superseded Number TWO	Dated 02/01/2018	Effective Date 09/13/2018
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
CUSGA	444536.50N / 1071741.24W	Y		IF			AT/ABOVE 15000		CUSGA.BGHRN3
BGHRN	451420.97N / 1075107.48W	Y	FB	TF	320.66	37.27	AT/ABOVE 15000	AT 270K	
Common Route									
BGHRN	451420.97N / 1075107.48W	Y		IF			AT/ABOVE 15000	AT 270K	BGHRN.BGHRN3
LTTLE	451837.07N / 1075605.86W	Y	FB	TF	320.59	05.53	AT/ABOVE 13500		
KROWE	453216.09N / 1081206.83W	Y	FB	TF	320.53	17.71	AT/ABOVE 9000	AT/BELOW 250K	
Runway Transition									
KROWE	453216.09N / 1081206.83W	Y		IF			AT/ABOVE 9000	AT/BELOW 250K	
IZUFE	454125.47N / 1082959.17W	Y	FB	TF	306.24	15.53	AT/ABOVE 8000	AT/BELOW 220K	
DEHLR	454428.49N / 1084051.86W	Y	FO	TF	291.88	08.21	AT 6200	AT 210K	
KBIL:RWY 10L				VM	290.00				
Runway Transition									
KROWE	453216.09N / 1081206.83W	Y		IF			AT/ABOVE 9000	AT/BELOW 250K	
HRDIN	454113.78N / 1081524.11W	Y	FO	TF	345.58	09.26	AT 6700	AT/BELOW 230K	
KBIL:RWY 28R				VM	318.00				