Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 12/13/2011	Task #: 2011121331738001001	Request #: 20111213317380
Procedure: ILS OR LOC Y RWY 29 R AMDT 14A		Airport ID: KBJC	Airport: ROCKY MOUNTAIN METROPOLITAN		Reimbursable #:
City: DENVER	ST: CO	GPS #:		Estimated Chart Date: 05/31/2012	FICO #:
Fac ID: BJC	Fac. Type: ILS	Specialist: VICTOR BOONE			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	12/13/2011	02/15/2012	STEVEN SZUKALA	
QA:	02/15/2012	02/15/2012	STEVEN SZUKALA	
Liaison:	02/15/2012		Terrell	REQUEST POSSIBLE TABLE TOP REVIEW

A

Procedure Comments: **Remark Type:** INFORMATION

pkg 3 of 4

DENVER, CO ROCKY MOUNTAIN METROPOLITAN (KBJC) ILS OR LOC Y RWY 29R, AMDT 1A ENROUTE-NO FC: 4.17.12 PUB: 5.31.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): HYGEN-INT, REV 7.

CONTACT: ADOLFO URRUTIA, AJV-354 LEAD, 405.954.2079:

LOC I-BJC	APP CRS		29R	29L
111.7	293°	Rwy ldg	9000	7002
		THRE	5566	5595
		Apt Elev	5673	5673

ILS or LOC Y RWY 29R

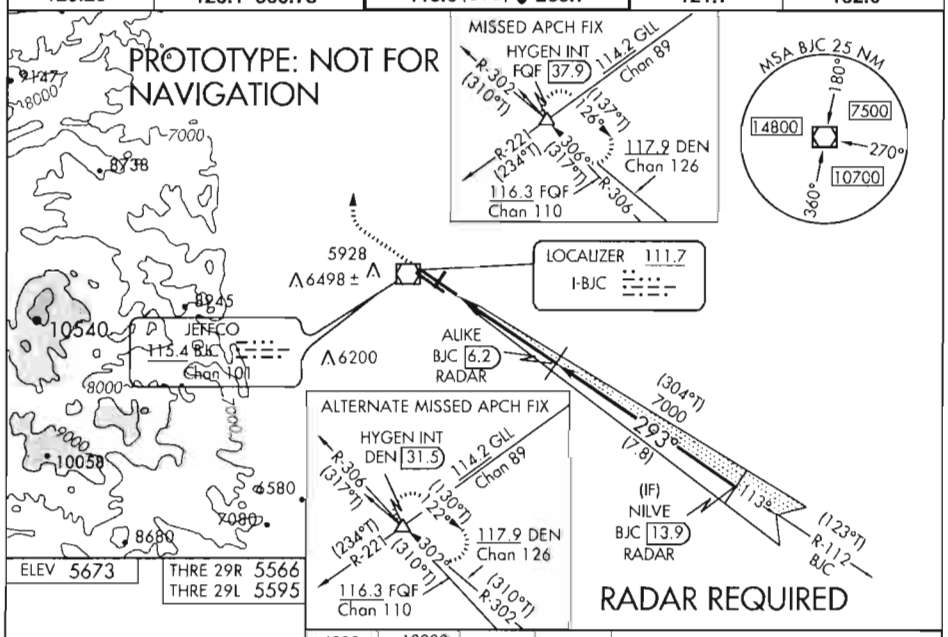
DENVER/ROCKY MOUNTAIN METROPOLITAN (BJC)

When VGSI inoperative, circling Rwy 11R NA at night. DME or Radar required. When local altimeter setting not received, use Denver Intl altimeter setting and increase all DA 82 feet and all MDA 100 feet and increase S-ILS 29R all Cats visibility ¼ mile, S-LOC 29R Cats B, C and D visibility ¼ mile, Sidestep 29L Cats C and D visibility ½ mile, and Circling Cats C and D visibiltiy ½ mile. For inoperative MALSR, increase S-ILS 29R all Cats visibility to 1¾ and increase S-LOC 29R Cats C and D visibility to 2. For inoperative MALSR when using Denver Intl altimeter setting, increase S-ILS 29R all Cats visibility to 2¼ and increase S-LOC 29R Cats C and D visibility to 2½.

MALSR

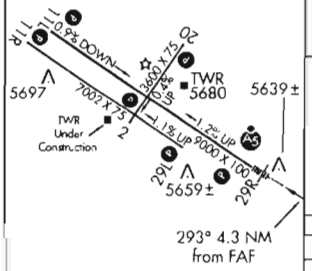
MISSED APPROACH: Climb to 6380 then climbing right turn to 10200 on heading 360 and on FQF VORTAC R-306 to HYGEN INT/FQF 37.9 DME and hold, continue climb-in-hold to 10200.

ATIS	DENVER APP CON	METRO TOWER *	GND CON	CLNC DEL
126.25	126.1 360.75	118.6 (CTAF) 233.7	121.7	132.6



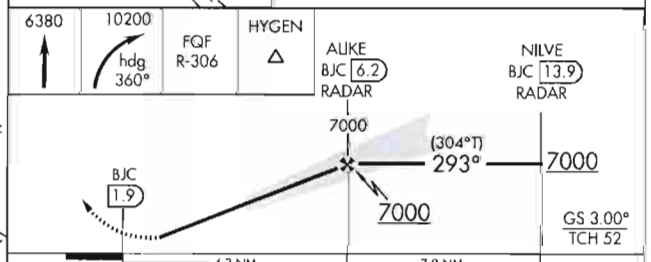
ELEV 5673

THRE 29R 5566
THRE 29L 5595



REIL Rwys 11L, 11R and 29L
MIRL Rwys 2-20, 11R-29L and 11L-29R

FAF to MAP 4.3 NM					
Knots	60	90	120	150	180
Min:Sec	4:18	2:52	2:09	1:43	1:26



CATEGORY	A	B	C	D
S-ILS 29R	6091-1⅜ 525 (600-1⅜)			
S-LOC 29R	6300-½ 734 (800-½)		6300-1⅝ 734 (800-1⅝)	
SIDESTEP 29L	6340-1 745 (800-1)	6340-1¼ 745 (800-1¼)	6340-2 745 (800-2)	
CIRCLING	6340-1 667 (700-1)	6340-1¼ 667 (700-1¼)	6340-2 667 (700-2)	

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
NILVE/BJC VOR/DME 13.92 DME/RADAR (IF)	ALIKE/BJC VOR/DME 6.16 DME/RADAR	293.31 / 7.77 (I-BJC)	7000

MISSED APPROACH

ILS: DA
LOC: 4.34 MILES AFTER ALIKE/BJC 6.16 DME/RADAR OR AT BJC VOR/DME 1.85 DME FIX

CLIMB TO 6380 THEN CLIMBING RIGHT TURN TO 10200 ON HEADING 360 AND ON FQF VORTAC R-306 TO HYGEN INT/FQF 37.90 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10200, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 6380 THEN CLIMBING RIGHT TURN TO (SEE FORM 8260-10)

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 306.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE HYGEN INT/DEN 31.49 DME, RT, 302.30 INBOUND.
FAS OBST: 5739 AAO 395130N/1050209W
FAS OBST: 5749 AAO 395139N/1050258W

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT NILVE
3. FAC: 293.31 FAF: ALIKE/BJC VOR/DME 6.16 DME/RADAR DIST FAF TO MAP: 4.34 THLD: 4.34
4. MIN. ALT: NILVE 7000, ALIKE 7000
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 797
6. MIN GS INCPT: 7000 GS ALT AT: ALIKE 7000 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 51.8
8. MSA FROM: BJC VOR/DME 360-090 7500, 090-180 10700, 180-360 14800

MAG VAR: 11E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ILS: # 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 29R	6091	1 3/8	525	6091	1 3/8	525	6091	1 3/8	525	6091	1 3/8	525			
S-LOC 29R	6300	1/2	734	6300	1/2	734	6300	1 5/8	734	6300	1 5/8	734			
SIDESTEP 29L	6340	1	745	6340	1 1/4	745	6340	2	745	6340	2	745			
CIRCLING	6340	1	667	6340	1 1/4	667	6340	2	667	6340	2	667			

QUALITY CHECKED

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 11R NA AT NIGHT.
CHART NOTE: DME OR RADAR REQUIRED.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DENVER INTL ALTIMETER SETTING AND (SEE FORM 8260-10)

CAT A, B, C, D 700-2
#@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
#@ NA WHEN CONTROL TOWER CLOSED.

CITY AND STATE	ELEVATION: 5673 THRE: 29R 5566 THRE: 29L 5595 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DENVER, CO	ROCKY MOUNTAIN METROPOLITAN	I-BJC	ILS OR LOC Y RWY 29R, AMDT 14A	AMDT: 14
				DATED 12/15/2011

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X] **ZDV, DEN APP CON, BJC ATCT, ARPT MGR**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: **VICTOR BOONE**	FIFO **AJV-354**	DATE: **01/04/2012**
APPROVED BY		
NAME: **DEZ SILAGYI** **MANAGER**	FIFO **AJV-354**	DATE:

CHANGES:

1. CHANGED PRIMARY MISSED APPROACH FIX HYGEN INT/FQF DME FROM 37.93 TO 37.90.
2. CHANGED ALTERNATE MISSED APPROACH FIX HYGEN INT/DEN DME FROM 31.55 TO 31.49.
3. CHANGED MISSED APPROACH HOLDING AT HYGEN FROM 305.60 TO 306 INBOUND AND UPDATED HOLDING.
4. CHANGED ALTERNATE MISSED APPROACH COURSE FROM DEN R-299 TO DEN R-302 AND UPDATED HOLDING.

REASONS:

1-3. FIX HYGEN MOVED 1630.7 FT NE TO ALIGN ON AIRWAYS.
4. DEN VOR/DME MAGVAR CHANGED FROM 1995/11E TO EPOCH 2015/11E.

QUALITY CHECKED

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MISSED APPROACH INSTRUCTIONS, (CONT.):
10400 ON HEADING 360 AND ON DEN VOR/DME R-302 TO HYGEN INT/DEN 31.49 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10400, HOLD SE, RT, 302.30 INBOUND.

NOTES, (CONT.):
INCREASE ALL DA 82 FEET AND ALL MDA 100 FEET AND INCREASE S-ILS 29R ALL CATS VISIBILITY 1/4 MILE, S-LOC 29R CATS B, C AND D VISIBILITY 1/4 MILE, SIDESTEP 29L CATS C AND D VISIBILITY 1/2 MILE, AND CIRCLING CATS C AND D VISIBILITY 1/2 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 29R ALL CATS VISIBILITY TO 1 3/4 AND INCREASE S-LOC 29R CATS C AND D VISIBILITY TO 2.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING DENVER INTL ALTIMETER SETTING, INCREASE S-ILS 29R ALL CATS VISIBILITY TO 2 1/4 AND INCREASE S-LOC 29R CATS C AND D VISIBILITY TO 2 1/2.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5673 THRE: 29R 5566 THRE: 29L 5595	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DENVER, CO	AIRPORT NAME: ROCKY MOUNTAIN METROPOLITAN	I-BJC	ILS OR LOC Y RWY 29R, AMDT 14A	AMDT: 14
				DATED: 12/15/2011

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC PACKET - 424-18 - ILS

```
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NAVAID   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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         SUSAD        BJC   K2011540VDHW N39544687W105082047    N39544687W105082047E0110057282     NARJEFFCO
         SUSAD        FQF   K2011630VTHW N39412450W104371550    N39412450W104371550E0110057802     NARFALCON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   ALIKE K20    C     N39513800W105012765                      E0089     NAR           ALIKE
         SUSAEAENRT   HYGEN K20    C   L N40090389W105105791                      E0090     NAR           HYGEN
         SUSAEAENRT   NILVE K20    C     N39471433W104530834                      E0088     NAR           NILVE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KBJCK2ABJC     0     090YHN39543170W105070190E011005673         1800018000C    MNAR    ROCKY MOUNTAIN METROPOLITAN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KBJCK2FI29RY I      010NILVEK2EA0E  I    IF IBJCK2      11330137        PI  J 070000700018000                  0 NS
         SUSAP KBJCK2FI29RY I      020ALIKEK2EA0E  F    CF IBJCK2      1133005929300078PI  H 0700007000        -300BJC   K2D 0 NS
         SUSAP KBJCK2FI29RY I      030RW29RK2PG0GY M    CF IBJCK2      1133001529300043PI    05618             -300          0 NS
         SUSAP KBJCK2FI29RY I      040         0  M     CA                     2933        + 06380                          0 NS
         SUSAP KBJCK2FI29RY I      050         0        VI                     3600                                         0 NS
         SUSAP KBJCK2FI29RY I      060HYGENK2EA0EY      CF FQF K2      3060037930600050D   + 10200                          0 NS
         SUSAP KBJCK2FI29RY I      070HYGENK2EA0EE  R   HM                     3060T010    + 10200                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KBJCK2GRW29R   0090002933 N39540495W105060691+1000    +1679805566000052100IIBJC1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KBJCK2IIBJC1   011170RW29RN39545725W1050746572933N39540709W1050617420399 07970426300E01105205569

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KBJCK2SBJC  K2D                0   180270075252703601072536018014825                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5673 THRE: 29R 5566	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DENVER, CO	AIRPORT NAME: THRE: 29L 5595 ROCKY MOUNTAIN METROPOLITAN	I-BJC	ILS OR LOC Y RWY 29R, AMDT 14A	AMDT: 14
				DATED: 12/15/2011

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		NILVE	010	FACF	IF		FB				AA 07000 GI 07000	
		ALIKE	020	FAF	CF		FB		293.0()	007.8	GI 07000 GS 07000	
		RW29R	030	MAP	CF		FO		293.0()	004.3	AT 05618	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		293.3()		AA 06380	
		050		VI		FB		360.0()			
	HYGEN	060		CF		FO		306.0()	005.0	AA 10200	
	HYGEN	070		HM	R	FO		306.0()	T01.0	AA 10200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BJC	N395446.87	W1050820.47	N3954.781	W10508.341
	FQF	N394124.50	W1043715.50	N3941.408	W10437.258
	ALIKE	N395138.00	W1050127.65	N3951.633	W10501.461
	HYGEN	N400903.89	W1051057.91	N4009.065	W10510.965
	NILVE	N394714.33	W1045308.34	N3947.239	W10453.139
	RW29R	N395404.95	W1050606.91	N3954.083	W10506.115
	IBJC (LOC)	N395457.25	W1050746.57	N3954.954	W10507.776

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29R	05566	52

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 5673	THRE: 29R 5566	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DENVER, CO	AIRPORT NAME: ROCKY MOUNTAIN METROPOLITAN	THRE: 29L 5595	I-BJC	ILS OR LOC Y RWY 29R, AMDT 14A	AMDT: 14
					DATED: 12/15/2011

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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ARINC PACKET - 424-18 - LOC

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        SUSAD        FQF   K2011630VTHW N39412450W104371550    N39412450W104371550E0110057802     NARFALCON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ALIKE K20    C     N39513800W105012765                      E0089     NAR           ALIKE
        SUSAEAENRT   HYGEN K20    C   L N40090389W105105791                      E0090     NAR           HYGEN
        SUSAEAENRT   NILVE K20    C     N39471433W104530834                      E0088     NAR           NILVE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBJCK2ABJC     0     090YHN39543170W105070190E011005673         1800018000C    MNAR    ROCKY MOUNTAIN METROPOLITAN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBJCK2FL29RY L      010NILVEK2EA0E  I    IF IBJCK2      11330137        PI  + 07000     18000                  0 NS
        SUSAP KBJCK2FL29RY L      020ALIKEK2EA0E  F    CF IBJCK2      1133005929300078PI  + 07000                BJC   K2D 0 NS
        SUSAP KBJCK2FL29RY L      030RW29RK2PG0GY M    CF IBJCK2      1133001529300043PI    05618             -301          0 NS
        SUSAP KBJCK2FL29RY L      040         0  M     CA                      2933        + 06380                        0 NS
        SUSAP KBJCK2FL29RY L      050         0        VI                      3600                                       0 NS
        SUSAP KBJCK2FL29RY L      060HYGENK2EA0EY      CF FQF K2      3060037930600050D   + 10200                        0 NS
        SUSAP KBJCK2FL29RY L      070HYGENK2EA0EE  R   HM                      3060T010    + 10200                        0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBJCK2GRW29R   0090002933 N39540495W105060691+1000    +1679805566000052100IIBJC1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBJCK2IIBJC1   011170RW29RN39545725W1050746572933N39540709W1050617420399 07970426300E01105205569

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBJCK2SBJC  K2D                 0   180270075252703601072536018014825                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5673	THRE: 29R 5566	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DENVER, CO	AIRPORT NAME: ROCKY MOUNTAIN METROPOLITAN	THRE: 29L 5595	I-BJC	ILS OR LOC Y RWY 29R, AMDT 14A	AMDT: 14
					DATED: 12/15/2011

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		NILVE	010	FACF	IF		FB				AA 07000	
		ALIKE	020	FAF	CF		FB		293.0()	007.8	AA 07000	
		RW29R	030	MAP	CF		FO		293.0()	004.3	AT 05618	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		293.3()		AA 06380	
		050		VI		FB		360.0()			
	HYGEN	060		CF		FO		306.0()	005.0	AA 10200	
	HYGEN	070		HM	R	FO		306.0()	T01.0	AA 10200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BJC	N395446.87	W1050820.47	N3954.781	W10508.341
	FQF	N394124.50	W1043715.50	N3941.408	W10437.258
	ALIKE	N395138.00	W1050127.65	N3951.633	W10501.461
	HYGEN	N400903.89	W1051057.91	N4009.065	W10510.965
	NILVE	N394714.33	W1045308.34	N3947.239	W10453.139
	RW29R	N395404.95	W1050606.91	N3954.083	W10506.115
	IBJC (LOC)	N395457.25	W1050746.57	N3954.954	W10507.776

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29R	05566	52

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5673	THRE: 29R 5566	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DENVER, CO	AIRPORT NAME: ROCKY MOUNTAIN METROPOLITAN	THRE: 29L 5595	I-BJC	ILS OR LOC Y RWY 29R, AMDT 14A	AMDT: 14
					DATED: 12/15/2011

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE	NILVE/BJC	ALIKE/BJC	1. AAO	395121.00N/1050142.00W	5722 (4E)	500	AC98	6400
	VOR/DME 13.92	VOR/DME 6.16	2. TERRAIN	395121.00N/1050142.00W	5522 (5500)		AS1500	7000
	DME/RADAR	DME/RADAR						
FINAL: ILS	ALIKE/BJC	RW29R				ASC	MA325	6091/525
	VOR/DME 6.16							
	DME/RADAR							
FINAL: LOC	ALIKE/BJC	4.34 MILES AFTER	3. AAO	395129.65N/1050208.55W	5739 (2C)	250	MA300	6300
	VOR/DME 6.16	ALIKE/BJC 1.85						
	DME/RADAR	DME/RADAR OR AT						
		BJC VOR/DME						
		6.16 DME FIX						
FINAL: SIDESTEP	ALIKE/BJC	RW29L	4. AAO	395139.00N/1050258.44W	5749 (2C)	250	MA340	6340
	VOR/DME 6.16							
	DME/RADAR							
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / 4.34 MILES	HYGEN INT/FQF	5. AAO	400528.00N/1052252.90W	8782 (2C)	ASC		10200
	AFTER ALIKE/BJC	37.90 DME	6. TOWER (08-000258)	400300.00N/1050014.00W	6165 (3C)	1000		7200
ELEV:	5782/6048		7. TERRAIN	395657.00N/1051124.00W	5722 (5700)		AS1500	7200

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	667	8. TREE	395445.00N/1050927.00W	5869 (2C)	300	SI	6340
CATEGORY B	1.5 NM	450	667	8. TREE	395445.00N/1050927.00W	5869 (2C)	300	SI	6340
CATEGORY C	1.7 NM	450	667	9. T-L TWR (08-000497)	395444.00N/1050957.00W	5923 (1A)	300	SI	6340
CATEGORY D	2.3 NM	550	667	9. T-L TWR (08-000497)	395444.00N/1050957.00W	5923 (1A)	300	SI	6340
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: BJC VOR/DME

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-090	TWR (08-020232)	253/ 04.0	6498 (4D)	7500	180-360	AAO	275/ 24.6	13708 (4E)	14800
090-180	AAO	183/ 26.5	9628 (6C)	10700					

CITY AND STATE	ELEVATION: 5673 AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
DENVER, CO	ROCKY MOUNTAIN METROPOLITAN	I-BJC	ILS OR LOC Y RWY 29R, AMDT 14A	ANM

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
DEN APP CON BJC TOWER	NWS	OTHER: AWOS-3	SOURCE: KBJC / KDEN
	FAA		DISTANCE: 0 / 20.70
SATISFACTORY ON:	A/C		HOURS REMOTE OPERATION: BACKUP
X VHF X UHF HF	LOCATION: KBJC		ADJUSTMENT: 0 / 0

4. MONITOR STATUS		
PRIMARY NAVAID: I-BJC		
MONITOR POINT:		
HRS OPTN:	CAT 1	
	CAT 3	

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
X	MALSR 29R (PCL)
	HIRL
X	MIRL 11R (PCL), 11L (PCL), 02 (PCL), 20 (PCL), 29R (PCL), 29L (PCL)
X	REIL 11R (PCL), 11L (PCL), 29L (PCL)
	TDZ
	C/LINE
X	OTHER (SPECIFY) PAPI-2L 11R (PCL), 02 (PCL), 20 (PCL), 29L (PCL) PAPI-4L 11L (PCL), 29R (PCL)

6. RUNWAY MARKINGS	
BASIC	BSC-G 02, 20
ALL WEATHER	PIR-G 11L, 29R
INSTRUMENT	NPI-G 11R; -F 29L

7. RUNWAY VISUAL RANGE	
APPROACH	
MIDFIELD	
ROLL OUT	

8. GLIDE PATH		
GP ANGLE: 3.00		ELEV RWY THRESHOLD: 5566.1
DISTANCE FROM RWY: 797		ELEV GP ANTENNA: 5576.1
		THRESHOLD CROSSING HEIGHT: 51.8

9. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY:	DATE:
VICTOR BOONE	01/04/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

RASS PRESSURE PATTERNS SAME
KBJC 5673, KDEN 5431
RA = 81.59.
SEE ATTACHED AIRSPACE LETTER.

SERVICE A: KBJC: YES / KDEN: YES

VGSI DATA (RWY 29R): 3.00/52

MISSED APPROACH ADJUSTMENTS REQUIRED TO MITIGATE CLIMB-IN-HOLD OBSTRUCTION SURFACE PENETRATIONS.

ALIKE OM TO BE DECOMMISSIONED UPON PUBLICATION PER ATC.
ALIKE FIX RETAINED PER ATC REQUEST.

25' VEGETATION PER FPO. OBST #8 (70' TREE) RETAINED TO MATCH EXISTING ILS OR LOC RWY 29R CIRCLING A/B MINIMA.

MSA 360-090 SECTOR CONTROLLING OBSTRUCTION 4D ACCURACY FROM OE/AAA ASN# 2009-WTW-1857-OE.

FLIGHT CHECK RDH 51.77 FT (ORDER 8260.3B CHG 19)

TERPS, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:

20:1
R11R:
5714 FENCE (KBJC0024) 395454.10N-1050806.16W (1.68)

FPO NOTIFIED OF 20:1 SURFACE PENETRATIONS.

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
5. AAO 400528.00N/1052252.90W 8782 (2C) ASC 10400
6. TOWER (08-000258) 400300.00N/1050014.00W 6165 (3C) 1000 7200
7. TERRAIN 395657.00N/1051124.00W 5722 (5700) AS1500 7200

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HYGEN **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 400903.89N/1051057.91W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	GILL	GLL	VOR/DME	H	221.00	234.00	35.81	35.81		8000	17500
2	FALCON	FQF	VORTAC	H	306.00	317.00	37.90	37.90		8000	17500
3	DENVER	DEN	VOR/DME	H	302.30	310.30	31.49	31.49		9100	17500
4	KREMMLING	RLG	VOR/DME	H	066.87	080.87	58.70	58.70		17000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RLG	VOR/DME	R-067	59	17000	18000

FIX RESTRICTIONS:
MCA V220 17000 SOUTHWEST BOUND
MCA V85 11500 NORTHWEST BOUND

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	FQF	VORTAC	306.00	306.00	R	1		10000	14000	11	12
2	SE		WP	126.00	306.00	R		7	10200	14000	10	11
3	SE	DEN	VOR/DME	302.30	302.30	R	1		10400	14000	11	12
4	SE		WP	129.00	309.00	R		7	9000	14000	10	11
5	SE	FQF	VORTAC	306.00	306.00	R	1		9100	14000	11	12
6	SE	DEN	VOR/DME	302.30	302.30	R	1		9100	14000	11	12

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	AAO	401511.20N/1053651.40W	14455	6C
1	230	AAO	400824.00N/1052103.00W	8780	4E
1	310	AAO	400821.00N/1052415.00W	8846	4E
2	230	AAO	400824.00N/1052103.00W	8780	4E
2	310	AAO	400813.20N/1052117.30W	8788	6C
3	230	AAO	400824.00N/1052103.00W	8780	4E
3	310	AAO	401703.00N/1052424.00W	9023	4E
4	230	AAO	400824.00N/1052103.00W	8780	4E
5	230	AAO	400824.00N/1052103.00W	8780	4E
6	230	AAO	400824.00N/1052103.00W	8780	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
UPN	265	375
1	230	86
1	310	267
2	310	232
3	230	97
3	310	283
5	230	83
6	230	97

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC Z RWY 29R	KBJC	DENVER	CO (US)
1	ILS OR LOC Y RWY 29R	KBJC	DENVER	CO (US)
3	ILS OR LOC Z RWY 29R	KBJC	DENVER	CO (US)
3	ILS OR LOC Y RWY 29R	KBJC	DENVER	CO (US)

REMARKS:
GILL (FAC 1) AND FALCON (FAC 2) USED TO ESTABLISH FIX COORDINATES
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 16300.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 CONTROLLING OBSTRUCTION (230 KIAS) 11750.28 FT INTO SECONDARY AREA (7929 EQUIV).
PAT 2 CONTROLLING OBSTRUCTION (230 KIAS) 11585.56 FT INTO SECONDARY AREA (7810 EQUIV).
PAT 3 CONTROLLING OBSTRUCTION (230 KIAS) 11789.04 FT INTO SECONDARY AREA (7956 EQUIV).
PAT 4 CONTROLLING OBSTRUCTION (230 KIAS) 11585.56 FT INTO SECONDARY AREA (7810 EQUIV).
PAT 5 CONTROLLING OBSTRUCTION (230 KIAS) 11750.28 FT INTO SECONDARY AREA (7929 EQUIV).
PAT 6 CONTROLLING OBSTRUCTION (230 KIAS) 11789.04 FT INTO SECONDARY AREA (7956 EQUIV).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V220	1, 2, 4				(US)
EN ROUTE	V85	1, 2				(US)

QUALITY CHECKED

IAP	ILS OR LOC Y RWY 29R	1, 2, 3	1, 3	KBJC	DENVER	CO (US)
IAP	ILS OR LOC Z RWY 29R	1, 2, 3	1, 3	KBJC	DENVER	CO (US)
IAP	RNAV (GPS) RWY 29L		2	KBJC	DENVER	CO (US)
IAP	RNAV (GPS) RWY 29R		2	KBJC	DENVER	CO (US)
IAP	ILS OR LOC RWY 25	1, 2	1	KDEN	DENVER	CO (US)
IAP	ILS OR LOC RWY 34L	1, 2, 3	5, 6	KDEN	DENVER	CO (US)
IAP	ILS OR LOC RWY 34R	1, 2, 3	5, 6	KDEN	DENVER	CO (US)
IAP	ILS RWY 34L (CAT II/III)	1, 2, 3	5, 6	KDEN	DENVER	CO (US)
IAP	ILS RWY 34L (SA CAT I)	1, 2, 3	5, 6	KDEN	DENVER	CO (US)
IAP	ILS RWY 34R (CAT II/CAT III)	1, 2, 3	5, 6	KDEN	DENVER	CO (US)
IAP	ILS RWY 34R (SA CAT I)	1, 2, 3	5, 6	KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 25		4	KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 34L		4	KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 34R		4	KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 34L		4	KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 34R		4	KDEN	DENVER	CO (US)
IAP	RNAV (GPS) RWY 33			KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	TOMSN	1, 2		KDEN	DENVER	CO (US)

REQUIRED CHARTING: STAR, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
FACILITY 4 ADDED TO FIX MAKE-UP
FIX MOVED 1630.70 FT NE FAC 1DME CHANGED FROM 36.08 TO 35.81, FAC 2 MAG BRG CHANGED FROM 305.60 TO 306, TRUE BRG CHANGED FROM 316.60 TO 317.00 DME AND DISTANCE CHANGED FROM 37.93 TO 37.90, FAC 3 MAG BRG CHANGED FROM 298.83 TO 299.30, TRUE BRG CHANGED FROM 309.83 TO 310.30 DISTANCE CHANGED FROM 31.55 TO 31.49.
HOLDING PAT 1 & 2 CRS INBOUND CHANGED FROM 305.60 TO 306.00. PAT 3 CRS INBOUND CHANGED FROM 298.83 TO 302.30
FIX USE UPDATED
CHANGED FAC 1 MRA FROM 9000 TO 8000
RAISED MCA FOR 85 NORTHWEST BOUND FROM 11300 TO 11500
ADDED PATTERN 4, 5, 6

DEVELOPED BY: **DATE:** 12/08/2011 **OFFICE:** AJV-311 **NAME:** LORETTA ZUEST

APPROVED BY: **DATE:** **OFFICE:** AJV-311 **NAME:** RAY NUSSEAR

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN APP CON
OTHER:

QUALITY CHECKED