

<b>RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE 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 LNAV/VNAV: DA LNAV: RW35R  CLIMB TO 6600 THEN CLIMBING RIGHT TURN TO 9000 DIRECT ADANE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 295.97 INBOUND. CHART FAS OBST: 6228 POLE 384646N/1044133W CHART R-2601. DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.02 NM TO RW35R* *LNAV ONLY. WAAS CHANNEL # 53602 REFERENCE PATH ID: W35B CHART CIRCLING ICON. LTP HAE: 1842.2 M					
PUB VORTAC		HABUK (TF) (FB) (RNP 2.00)		327.78 / 14.39				8400							
DRAKE		HABUK (TF) (FB) (RNP 2.00)		221.77 / 8.67				8100							
HABUK (IAF)		FALUR (TF) (FB) (RNP 1.00)		290.06 / 7.00				8100							
FALUR (IF)		CEGIX (TF) (FB) (RNP 1.00)		352.08 / 6.55				8100							
CEGIX (FAF)		RW35R (MAP) (TF) (FO) (RNP 0.30)		352.08 / 6.10											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT FALUR 3. FAC: 352.08 FAF: CEGIX DIST FAF TO MAP: 6.10 THLD: 6.10 4. MIN. ALT: FALUR 8100, CEGIX 8100 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 8100 GS ALT AT: CEGIX 8100 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR 8. MSA FROM: RW35R 15400															
										MAG VAR: 8E			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	6318	4000	200	6318	4000	200	6318	4000	200	6318	4000	200			
LNAV/VNAV DA	6399	4500	281	6399	4500	281	6399	4500	281	6399	4500	281			
LNAV MDA	6500	5500	382	6500	5500	382	6500	6000	382	6500	6000	382			
CIRCLING	6740	1	553	6800	1	613	7040	2 1/2	853	7260	3	1073			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 39C (103F). @ CAT C 900-2 1/2, CAT D 1100-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DRAKE ON V83 SOUTHEAST BOUND. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 6187 TDZE: 6118				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
COLORADO SPRINGS, CO		AIRPORT NAME:				CITY OF COLORADO SPRINGS MUNI		RNAV (GPS) Y RWY 35R, AMDT 4A				AMDT: 4			
												DATED 05/26/2016			

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE <div>ROUTINE</div>	
COORDINATED WITH: <div><div>ATA<div><input checked="" type="checkbox"/></div></div><div>AAT<div><input type="checkbox"/></div></div><div>ALPA<div><input checked="" type="checkbox"/></div></div><div>APA<div><input checked="" type="checkbox"/></div></div><div>AOPA<div><input checked="" type="checkbox"/></div></div><div>NBAA<div><input checked="" type="checkbox"/></div></div><div>OTHER (specify)<div><input checked="" type="checkbox"/> ZDV, DEN APP CON, CO AERO, AMGR, COS ATCT</div></div></div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME: <div>Digitally signed by KISSY MAXFIELD</div> <div>KISSY MAXFIELD</div>				FIFO AJV-5412	DATE: 03/03/2017
Mar 06, 2017					
APPROVED BY					
NAME: <div>GEORGE E. DAVIS</div> <div>MANAGER</div>				FIFO AJV-5410	DATE:
CHANGES: 1. MAGVAR CHANGED FROM 9E TO 8E. 2. ALLCOURSES UPDATED ACCORDINGLY.					
REASONS: 1, 2. AIRPORT SERVES ILS CAT II/III PROCEDURES, MAGVAR OUT OF TOLERANCE BY 1 DEGREE. THIS DOES NOT QUALIFY AS A PERIODIC REVIEW					

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

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**TERMINAL ROUTES, (CONT.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
RW35R (MAP)	6600 MSL (CA)	352.08	6000
6600 MSL	ADANE (DF) (FO) (RNP 1.00)		9000

**NOTES, (CONT.):**

CHART NOTE: RADAR MONITORING REQUIRED WHEN R-2601 IN USE.

QUALITY  
16  
CHECKED

CITY AND STATE

COLORADO SPRINGS, CO

**ELEVATION: 6187**

**TDZE: 6118**

AIRPORT NAME:

CITY OF COLORADO SPRINGS MUNI

FACILITY  
IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
**RNAV (GPS) Y RWY 35R, AMDT 4A**

SUP:

AMDT: **4**

DATED: **05/26/2016**

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

**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**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCOS
RUNWAY	RW35R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35B
LTP/FTP LATITUDE	384644.4700N
LTP/FTP LONGITUDE	1044108.8695W
LTP/FTP ELLIPSOIDAL HEIGHT	+18422
FPAP LATITUDE	384857.9120N
FPAP LONGITUDE	1044108.6315W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	115.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	D7BE0F0D
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**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+18602
FPAP ORTHOMETRIC HEIGHT	+18602

QUALITY  
16  
CHECKED

CITY AND STATE  COLORADO SPRINGS, CO	ELEVATION: 6187      TDZE: 6118 AIRPORT NAME:  CITY OF COLORADO SPRINGS MUNI	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) Y RWY 35R, AMDT 4A	SUP:
				AMDT: 4
				DATED: 05/26/2016

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	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.			
FEEDER	PUB VORTAC	HABUK	1. AAO	382443.06N/1043234.28W	5637 (2C)	2000	AT763	8400			
			2. TERRAIN	382443.06N/1043234.28W	5437 (5400)		AS1500	6900			
FEEDER	DRAKE	HABUK	3. AAO	383411.21N/1043406.28W	5666 (2C)	2000	AT434	8100			
			4. TERRAIN	383411.21N/1043406.28W	5466 (5500)		AS1500	7000			
INITIAL	HABUK	FALUR	5. AAO	383312.00N/1044312.00W	5830 (4E)	1000	AT1270	8100			
			6. TERRAIN	383312.00N/1044312.00W	5630 (5600)		AS1500	7100			
INTERMEDIATE	FALUR	CEGIX	7. STACK (08-000341)	383800.00N/1044222.00W	5933 (5E)	500	AC125 AT1542	8100			
			8. TERRAIN	384045.00N/1044003.00W	5670 (5700)		AS1500	7200			
FINAL: LPV	CEGIX	RW35R				ASC		6318/200			
FINAL: LNAV/VNAV	CEGIX	RW35R	9. POLE (KCOST000237)	384645.99N/1044132.63W	6228 (1A)	161	XP10	6399/281			
			(KCOST000237)								
FINAL: LNAV	CEGIX	RW35R	9. POLE (KCOST000237)	384645.99N/1044132.63W	6228 (1A)	250	XL5	6500			
			(KCOST000237)								
2. PROCEDURE TURN											
3. MISSED APPROACH	MAP: DA / DA / RW35R	ADANE				ASC		9000			
	ELEV: 6135/6228/6395		10. TWR (08-000517)	385341.86N/1043551.17W	7051 (5E)	1000		8100			
			11. TERRAIN	385218.00N/1043530.00W	6788 (6800)		AS1500	8300			
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.									
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	553	12. TREE	385043.49N/1044218.00W	6429 (2C)	300		6740
CATEGORY B	1.5 NM		450		613	13. TREE	385118.69N/1044159.87W	6489 (2C)	300		6800
CATEGORY C	1.7 NM		450		853	14. TWR (08-000099)	385215.00N/1044418.00W	6677 (4D)	300	AC50	7040
CATEGORY D	2.3 NM		550		1073	15. AAO	385339.59N/1044338.96W	6959 (2C)	300		7260
CATEGORY E	4.5 NM		550								
5. MINIMUM SAFE ALTITUDES	PRIMARY NAVAID: RW35R										
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	QUALITY	
360-360	AAO	292/17.2	14319 (2C)	15400						16	CHECKED
CITY AND STATE	ELEVATION: 6187			FACILITY	PROCEDURE AND AMENDMENT NO:			REGION			
COLORADO SPRINGS, CO	AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI			RNAV	RNAV (GPS) Y RWY 35R, AMDT 4A			ANM			

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: <b>PRECIPITOUS TERRAIN EVALUATION COMPLETED.</b>  VGSI DATA: 3.00/TCH 72  ACT BASED ON 5-YEAR HISTORY (2010-2014).  CRITICAL TEMPERATURES: CRITICAL LOW :-21C (-5F) CRITICAL HIGH :+39C (+103F) APT ISA :-21C  CRITICAL TEMPERATURE REMARKS DESCENT RATE (FPM): STANDARD TEMP 1059 HIGH TEMP 1216.  ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.42NM CAT B: 2.05NM CAT C: 3.25NM CAT D: 4.26NM  NO ADDITIONAL AIRSPACE REQUIRED.  TAA NOT DEVELOPED PER ATC  TREES ASSUMED TO BE 30 FEET PER FPT  KCOS ASOS ON SERVICE-A.  TO MATCH CURRENT MINIMUMS
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING				
ZDV ARTCC COS TOWER COS APP CON			X	N W S	OTHER: ASOS	SOURCE: <b>KCOS</b>				
				F A A		DISTANCE:				
				A / C		HOURS REMOTE OPERATION:				
SATISFACTORY ON:										
X	V H F	X	U H F		H F	LOCATION: <b>KCOS/KCOS</b>			ADJUSTMENT: <b>0</b>	
4. MONITOR STATUS	PRIMARY NAVAID:									
	MONITOR POINT:									
	HRS OPTN:	CAT 1								
5. APPROACH & RUNWAY LIGHTING		ALS								
		(S) SALS								
	X	MALSR 17L, 35L								
	X	HIRL 17L, 17R, 35L, 35R								
	X	MIRL 13, 31								
	X	REIL 13, 17R, 31, 35R								
	X	TDZ 17L, 35R								
	X	C/L 17L, 35R								
	X	OTHER (SPECIFY) PAPI-4R 13, 35R PAPI-4L 17L, 17R, 31, 35L								
6. RUNWAY MARKINGS		BASIC								
		ALL WEATHER <b>PIR-G 17L, 17R, 35L, 35R</b>								
		INSTRUMENT <b>NPI-G 13, 31</b>								
7. RUNWAY VISUAL RANGE		APPROACH <b>17L, 35L, 35R</b>								
		MIDFIELD								
		ROLL OUT <b>17L, 17R, 35R</b>								
8. GLIDE PATH		GP ANGLE: <b>3.00</b>				ELEV RWY THRESHOLD: <b>6102.9</b>				
		DISTANCE FROM RWY:				ELEV GP ANTENNA:				
						THRESHOLD CROSSING HEIGHT: <b>55.0</b>				
9. FINAL APPROACH COURSE AIMING			X	RUNWAY THRESHOLD					FT. FROM THRESHOLD	
			X	ON CENTERLINE					FT. FROM CENTERLINE	
10. WAIVERS: <b>NONE</b>										
PART D - PREPARED BY: <b>KISSY MAXFIELD</b>						DATE: <b>03/03/2017</b>				
TITLE: <b>AERONAUTICAL INFORMATION SPECIALIST</b>						OFFICE: <b>AJV-5412</b>				

