

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.33

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> GREELEY-WELD COUNTY	<u>AIRPORT ID</u> KGXY	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> GREELEY	<u>STATE</u> CO
<u>AIRPORT ELEVATION</u> 4697	<u>TDZE</u> 4661	<u>SUPERSEDED</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 03/01/2018	<u>MAG VAR</u> 8E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 APRIL 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2015

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
NIWOT		IBIXY		TF	FB	1.00	349.62	7.03	8000
IBIXY	IAF	NOCOL		TF	FB	1.00	027.47	8.04	7000
LPORT	IAF	NOCOL		TF	FB	1.00	149.67	6.39	7000
NOCOL	IF	UNCEE		TF	FB	1.00	097.25	7.02	6300
UNCEE	FAF	SHMRT/2.30 NM TO RW10		TF	FB	0.30	097.34	2.69	
SHMRT/2.30 NM TO RW10		RW10	MAP	TF	FO	0.30	097.34	2.30	
RW10	MAP	5400 MSL		CA			097.34		5400
5400 MSL		CEDUK		DF	FO	1.00			7000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW10

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5400 THEN CLIMBING RIGHT TURN TO 7000 DIRECT CEDUK AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. PROFILE STARTS AT NOCOL
- 3. **FAC:** 097.34 **FAF:** UNCEE **DIST FAF TO MAP:** 4.99 **DIST FAF TO THLD:** 4.99
- 4. **MIN ALT:** NOCOL 7000, UNCEE 6300, SHMRT/2.30 NM TO RW10 5440*
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **250 HAT:** 0.63 **GS ANT:**
- 6. **MIN GP INCPT:** 6300 **GP ALT AT FAF :** UNCEE **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 50.0
- 8. **MSA FROM:** RW10 9000

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24°C OR ABOVE 54°C.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIWOT ON V575 SOUTHEAST BOUND AND V220 SOUTHWEST BOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LPORT ON V81 NORTHBOUND.

ADDITIONAL FLIGHT DATA:

LTP HAE: 1402.4 M
 CHART CIRCLING ICON.
 CHART VDP AT 1.36 NM TO RW10*
 *LNAV ONLY
 WAAS CHANNEL #62900
 REFERENCE PATH ID: W10A
 CHART FAS OBST: 4832 STACK 402634N/1044128W.
 HOLD SE, RT, 321.35 INBOUND

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

ALTERNATE: NA STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
	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
LPV DA	4911	3/4	250	4911	3/4	250	4911	3/4	250	4911	3/4	250			
LNAV/VNAV DA	4920	3/4	259	4920	3/4	259	4920	3/4	259	4920	3/4	259			
LNAV MDA	5140	1	479	5140	1	479	5140	1 3/8	479	5140	1 3/8	479			
CIRCLING	5140	1	443	5200	1	503	5200	1 1/2	503	5380	2 1/4	683			



CHANGES - REASONS

1. INCORPORATED P-NOTAM 7/4201.
2. ADDED RNP VALUES TO ALL SEGMENTS IN TERMINAL ROUTES - .58A, TABLE 1-2-1.
3. ADDED PROFILE LINE: 7. 20:1 IS CLEAR - .19H, 8-6-7, G. (3).
4. CHANGED ADDT'L FLIGHT DATA: CHART FAS OBSTACLE FROM: 4737 TREE 402606N/1043925W TO 4832 STACK 402634N/1044128W - .19H 8-6-10. C. /NEW CONTROLLER.
5. REMOVED BACKUP ALTIMETER AND ASSOCIATED BARO-VNAV NOTES - .19H, 8-6-9, E. (8) - MOVED TO -9 AS A CONTINGENCY.
6. ADDED PBN REQUIREMENTS NOTE: RNP APCH - .19H, 8-6-8.B. (1)/8260.58A, 3-1-1.
7. REMOVED CHART NOTE: DME/DME RNP .3 NA - .19H, 4-6-10, E.
8. ADDED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - .19H, 8-6-9. M. (2)/VGSI TCH 43/RNAV TCH 50.
9. CHANGED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C (-11F) OR ABOVE 49C (121F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C OR ABOVE 54C - .19H, 8-6-9. S/.58A, 3-3-4. (1). (B).
10. CHANGED CHART VDP AT 0.93 MILES TO RW10* TO CHART VDP AT 1.36 NM TO RW10* - .19H, 8-6-10. N. (3)/MDA/HAT INCREASED; CANCELS NOTAM 9/1918.
11. CHANGED ALL CATS LNAV/VNAV DA/HATS FROM 4911/250 TO 4920/259 - NEW CONTROLLING OBSTACLE; CANCELS NOTAM 9/1918.
12. CHANGED ALL CATS LNAV MDA/HATS FROM 5000/339 TO 5140/479 - NEW CONTROLLING OBSTACLE; CANCELS NOTAM 9/1918.
13. CHANGED CAT C/D LNAV VISIBILITIES FROM 1 TO 1 3/8 - INCREASED HAT; CANCELS NOTAM 9/1918.
14. CHANGED CAT A CIRCLING MDA/HAA FROM 5120/423 TO 5140/443 - RAISED TO MATCH SI LNAV MDA; CANCELS NOTAM 9/1918.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZDV, DEN APP CON, CO AERO, AMGR

FLIGHT CHECKED BY

THOMAS CONKLIN

Digitally signed by

JASON KRETSCHMER

Dec 08, 2020

OFFICE

FICO

DATE

12/4/2020

DEVELOPED BY

DAVID DANNER (APRIL SARMENTO)

Digitally signed by

JASON KRETSCHMER

Dec 08, 2020

OFFICE

AJV-A421

DATE

02/10/2020

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Dec 08, 2020

OFFICE

AJV-A420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGXY
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	402550.4735N
LTP/FTP LONGITUDE	1043846.0190W
LTP/FTP ELLIPSOIDAL HEIGHT	+14024
FPAP LATITUDE	402526.7680N
FPAP LONGITUDE	1043653.5455W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0984
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	1796D868

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+14207
FPAP ORTHOMETRIC HEIGHT	+14207

