

**RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
BLEDS (IAF)	COLOD (NOPT) (TF) (FB) (RNP 1.00)	261.96 / 10.00	6200	LPV: DA LNAV/VNAV: DA LNAV: RW17	
LUCII (IAF)	COLOD (NOPT) (TF) (FB) (RNP 1.00)	081.68 / 10.00	6200	CLIMB TO 6600 DIRECT GUDSE AND HOLD.	
COLOD (IF/IAF)	TECOB (TF) (FB) (RNP 1.00)	171.82 / 8.00	5000		
TECOB (FAF)	STARP/2.00 NM TO RW17 (TF) (FB) (RNP 0.30)	171.82 / 2.01			
STARP/2.00 NM TO RW17  (SEE FORM 8260-10)	RW17 (MAP) (TF) (FO) (RNP 0.30)	171.82 / 2.00		ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.83 INBOUND. CHART FAS OBST: 3784 WATER TOWER 400613N/1021355W. CHART 4056 VEGETATION 400845N/1021507W 4373 AAO 401007N/10213144W DISTANCE TO THLD FROM 200 HAT: 0.49 NM. CHART VDP AT 1.00 NM TO RW17* *LNAV ONLY. WAAS CHANNEL # 70641 REFERENCE PATH ID: W17A CHART CIRCLING ICON. LTP HAE: 1098.8 M	
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF)				MAG VAR: 8E                      EPOCH YEAR: 2005	
2. HOLD N COLOD, RT, 171.82 INBOUND, 6200 FT. IN LIEU OF PT (IAF)					
3. FAC: <u>171.82</u> FAF: <u>TECOB</u> DIST FAF TO MAP: <u>4.01</u> THLD: <u>4.01</u>					
4. MIN. ALT: <u>COLOD 6200, TECOB 5000, STARP/2.00 NM TO RW17 4340*</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>      </u>					
6. MIN GS INCPT: <u>5000</u> GS ALT AT: <u>TECOB 5000</u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u>					
7. GS ANGLE: <u>3.00</u> TCH: <u>44.6</u> 34:1 IS CLEAR					
8. MSA FROM: <u>      </u>					

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	3877	1	200	3877	1	200	3877	1	200	3877	1	200			
LNAV/VNAV DA	3945	1	268	3945	1	268	3945	1	268	3945	1	268			
LNAV MDA	4040	1	363	4040	1	363	4040	1	363	4040	1	363			
CIRCLING	4100	1	423	4140	1	463	4540	2 1/2	863	4540	2 3/4	863			

NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C (-7F) OR ABOVE 53C (127F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING IMPERIAL ALTIMETER SETTING. @ CAT C 900-2 1/2, CAT D 900-2 3/4  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING IS NOT RECEIVED USE IMPERIAL ALTIMETER SETTING:  
 (CONTINUED ON PAGE 2)



CITY AND STATE <b>WRAY, CO</b>	ELEVATION: 3677      TDZE: 3677 AIRPORT NAME: <b>WRAY MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 17, AMDT 2</b> 29 MARCH 2018	SUP: AMDT: <b>1B</b> DATED <b>08/17/2017</b>
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**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>
RW17 (MAP)	3877 MSL (CA)	171.82	
3877 MSL	GUDSE (DF) (FO) (RNP 1.00)		6600

**NOTES, (CONT.):**

INCREASE LPV DA TO 4020, AND LNAV/VNAV DA TO 4088 AND VISIBILITY ALL CATS 3/8 SM, INCREASE ALL MDA 160 FT AND LNAV CAT C/D VISIBILITY 5/8 SM AND CIRCLING CAT C 1/2 SM, CAT D 1/4 SM.

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	082/30 CW 262/30 (NOPT)	COLOD (IF/IAF) (FO)	6200
2.	262/30 CW 352/30	BLEDS (IAF) (FB)	6600
3.	352/30 CW 082/30	LUCII (IAF) (FB)	6600



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				AMDT: <b>1B</b>
				DATED: <b>08/17/2017</b>

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	2V5
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	400628.0950N
LTP/FTP LONGITUDE	1021428.3255W
LTP/FTP ELLIPSOIDAL HEIGHT	+10988
FPAP LATITUDE	400458.9290N
FPAP LONGITUDE	1021427.9690W
THRESHOLD CROSSING HEIGHT (TCH)	00044.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 448220A3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+11208
FPAP ORTHOMETRIC HEIGHT	+11208

QUALITY  
16  
CHECKED

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	AIRPORT NAME:  WRAY MUNI				AMDT: 1B
					DATED: 08/17/2017