

**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

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: I-ONA 0.90 DME
ODI VORTAC (IAF)	ALEYU INT/I-ONA 12.22 DME	354.03 / 4.29	3100	CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 3000 ON RST VOR/DME R-056 TO VUZID INT AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 3500 DIRECT ALEYU AND HOLD. (GPS REQUIRED).
ALEYU INT/I-ONA 12.22 DME (IF)	WABNY/I-ONA 6.22 DME	300.39 / 6.00 (I-ONA)	2400	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT ALEYU 3. FAC: <u>300.39</u> FAF: <u>WABNY/I-ONA 6.22 DME</u> DIST FAF TO MAP: _____ THLD: <u>5.32</u> 4. MIN. ALT: <u>ALEYU 3100, WABNY 2400</u> 5. DIST TO THLD FROM OM: _____ - MM: _____ - IM: _____ - 150 HAT: _____ - 100 HAT: _____ - GS ANT: <u>948</u> 6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>WABNY 2400</u> OM: _____ - MM: _____ - IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>49.5</u> 8. MSA FROM: <u>ODI VORTAC 180-360 2800, 360-180 3500</u>				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 117.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE ALEYU INT/I-ONA 12.22 DME, RT, 300.54 INBOUND. CHART FAS OBST: 900 T-L TWR 440309N/0913731W CHART VDP AT 2.51 DME* DISTANCE VDP TO THLD 1.61 NM. *LOC ONLY. CHART CIRCLING ICON. CHART PLANVIEW NOTE: DME REQUIRED.
				MAG VAR: 1W EPOCH YEAR: 2020

MINIMUMS

TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A	ILS: #	LOC: @							
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 30	1074	1 1/8	418	1074	1 1/8	418	1074	1 1/8	418	1074	1 1/8	418				
S-LOC 30	1220	1/2	564	1220	1/2	564	1220	1 1/4	564	1220	1 1/4	564				
CIRCLING	1560	1 1/4	904	1600	1 1/4	944	1780	3	1124	1980	3	1324				

NOTES:
 CHART NOTE: DME REQUIRED.
 CHART NOTE: VDP NA WITH LA CROSSE ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LA CROSSE ALTIMETER SETTING AND INCREASE S-ILS 30 DA TO 1127 AND ALL VISIBILITIES 1/8 MILE, INCREASE ALL MDA 60 FT, AND VISIBILITY S-LOC 30
 (CONTINUED ON PAGE 2)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 # CAT A 1000-2, CAT B 1000-2, CAT C 1200-3, CAT D 1400-3
 @ CAT A 1000-2, CAT B 1000-2, CAT C 1200-3, CAT D 1400-3



CITY AND STATE WINONA, MN	ELEVATION: 656 TDZE: 656 AIRPORT NAME: WINONA MUNI-MAX CONRAD FLD	FACILITY IDENTIFIER: I-ONA	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: ILS Y OR LOC Y RWY 30, ORIG-A 22 JUNE 2017	SUP: ILS Y OR LOC/DME Y RWY 30 AMD T: ORIG DATED 02/04/2016
-------------------------------------	--	--------------------------------------	--	---

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.

NOTES, (CONT.):

CAT C/D 1/8 MILE, AND CIRCLING CAT B 1/4 MILE.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 30 ALL CATS VISIBILITY TO 1 3/8 MILE, INCREASE S-LOC

30 CATS C/D VISIBILITY TO 1 5/8 MILE.

CHART NOTE: FOR INOPERATIVE ALS WHEN USING LA CROSSE ALTIMETER SETTING, INCREASE S-ILS 30 ALL CATS

VISIBILITY TO 1 5/8 MILE, INCREASE S-LOC 30 CATS C/D VISIBILITY TO 1 3/4 MILE.



CITY AND STATE WINONA, MN	ELEVATION: 656 AIRPORT NAME: WINONA MUNI-MAX CONRAD FLD	TDZE: 656	FACILITY IDENTIFIER: I-ONA	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS Y OR LOC Y RWY 30, ORIG-A 22 JUNE 2017	SUP: ILS Y OR LOC/DME Y RWY 30
					AMDT: ORIG
					DATED: 02/04/2016