

Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: SID	Estimated Chart Date: 05/16/2024	APWS Task ID: 17DE926B1B984BF389B6B3DE11A5381C	APWS Project ID: DEFA5EFD3FB0493C80AABA70CA24071A
Procedure: WAGGE DEPARTURE AMDT EIGHT		Enroute: YES	Specialist: Johnson, Raymond		Agreement Number:
Airport ID: KRNO			Airport City: RENO		State: NV
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			

Procedure Comments:
PROCEDURE COMPLETED USING ACTIVE DATA.

LOA (1): CLIMB GRADIENT.

This is an ABBREVIATED AMENDMENT.

CONTACT MIKE GARRITY AJV-A423 MANAGER 405.550.3958



FIPC BASIC FORM

PROCEDURE: WAGGE DEPARTURE AMDT EIGHT		AIRPORT NAME: RENO/TAHOE INTL		AIRPORT ID: KRNO	SPECIAL CONTROL NO: SP-03-008-24
FAC ID: WAGGE8		CITY: RENO		ST: NV	ORIG CHART DATE: 07/11/2024
DFL TYPE: PROC/T	THIRD PARTY: <input type="checkbox"/> YES	EST. TIME ON SITE: 0.4	REIMB. NUMBER:	PTS TASK ID: 17DE926B1B984BF389B6B3DE11A5381C	

PREFLIGHT NOTES

REVIEWER:	DATE:
COMMENTS:	CHECK ONE: <input type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT
	YES NO
	CPV COMPLETE? <input checked="" type="checkbox"/> X <input type="checkbox"/>

PROCEDURE RESULTS

INSPECTION DATE: 04/16/2024	CREW #: VN569	N #: N83	INSTRUMENT PROCEDURE STATUS: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT	ARINC CODING: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT
FLIGHT INSPECTOR SIGNATURE: wendi s gima @ 04/16/2024 21:04		PRINTED NAME: GIMA, WENDI SUEMI		NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

FLIGHT INSPECTOR REMARKS:
 RENO/TAHOE INTL (RNO), RENO, NV, WAGGE DEPARTURE AMDT EIGHT SAT.
 New controlling obstacles on initial climb out. Flew departure off 17L (closest to most impactful controlling obstacle) to WAGGE. Obstacle check SAT.

IN-FLIGHT OBSTACLE REPORT

OBSTRUCTION ID #:	COORDINATES OR LOCATION:	GNSS ALTITUDE (MSL):	BAROMETRIC ALTITUDE (MSL):	HEIGHT ABOVE GROUND LEVEL:
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Federal Aviation Administration

Memorandum

To: CHRIS HOPE, Manager, Flight Technologies and Procedures Division
(AFS-400)

From: DAVID DANNER, Manager, Instrument Flight Procedures (IFP)
Coordination Team, AJV-A420

Subject: Approval Request: RENO/TAHOE, RENO, NV (RNO) WAGGE
DEPARTURE

Climb gradient exceeds 500 feet per NM, 8260.46J, para 2-1-1 d.(2)(a)

The computed climb gradient for RWY 17L is 743 feet per NM to 8000 MSL. The obstacle driving this climb gradient is surveyed 4953 ft terrain (32-0544713) located 0.97 NM Southeast of RWY 17L DER.

Request approval to publish WAGGE Departure RWY 17L TAKEOFF MINIMUMS: Standard with minimum climb of 743 ft per NM to 8000.

The current WAGGE Departure has RWY 17L TAKEOFF MINIMUMS: Standard with minimum climb of 740 ft per NM to 8000 and has an AFS approval letter date May 20, 2002. Demonstrating the ability ATC and industry to utilize this procedure

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WAGGE SEVEN DEPARTURE
 (WAGGEZ, WAGGE) 03NOV22

D-ATIS
 135.8 363.0
 CLNC DEL
 124.9 370.85
 CPDLC
 GND CON
 121.9 348.6
 RENO TOWER
 118.7 257.8
 NORCAL DEP CON
 119.2 279.55



OLD

TOP ALTITUDE:
 FL190

MUSTANG
 117.9 FMG
 Chan 126

LOVELOCK
 116.5 LLC
 Chan 112
 N40°07.52'-W118°34.66'
 L-9-11, H-3

HAZEN
 114.1 HZN
 Chan 88

LOCALIZER 110.9
 I-RNO
 Chan 46

PALISADES
 113.2 SWR
 Chan 79



JERGA
 N39°21.03'
 W119°30.21'

WAGGE
 N39°15.71'
 W119°46.19'

NOTE: Chart not to scale.

TAKEOFF MINIMUMS

Rwys 8, 26, 35L/R: NA- ATC.
 Rwy 17L: Standard with minimum climb of 740' per NM to 8000.
 Rwy 17R: Standard with minimum climb of 370' per NM to 9200.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17L: Climbing right turn heading 177° to intercept I-RNO south course to WAGGE INT, thence. . . .

TAKEOFF RUNWAY 17R: Climb on I-RNO south course to WAGGE INT, thence. . . .

. . . .on (transition) or assigned route. All aircraft maintain FL190 or assigned altitude. Expect filed altitude within 5 minutes after departure.

LOVELOCK TRANSITION (WAGGEZ.LLC): From over WAGGE INT on HZN R-230 to JERGA INT, then on LLC R-206 to LLC VORTAC.

(WAGGEZ, WAGGE) 23222
 WAGGE SEVEN DEPARTURE

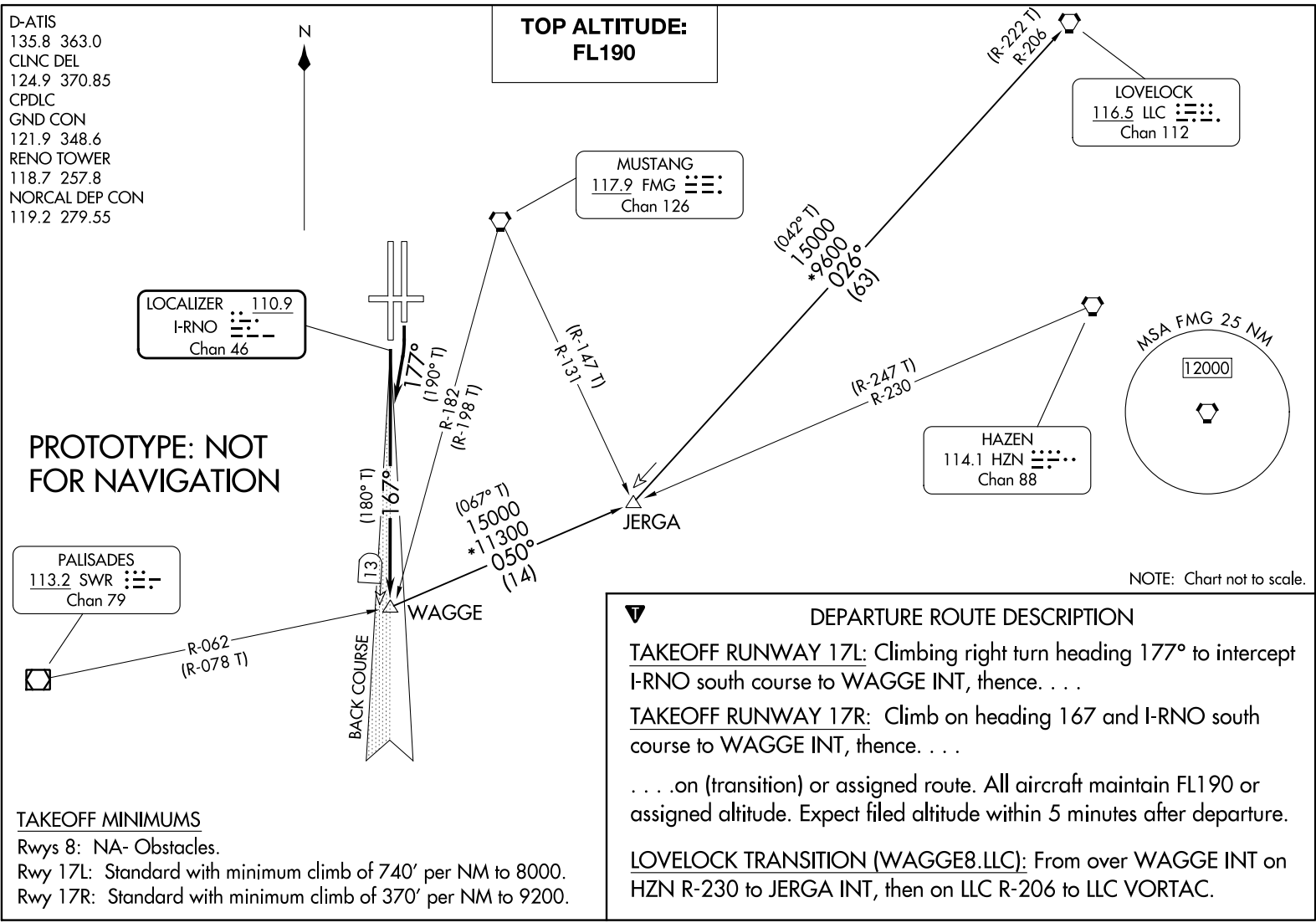
AL-346 (FAA)

RENO/TAHOE INTL (RNO)
 RENO, NEVADA

(WAGGE8.WAGGE) FIG
WAGGE EIGHT DEPARTURE

AL-346 (FAA)

RENO/TAHOE INTL (RNTN)
 RENO, NEVADA



D-ATIS
 135.8 363.0
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 CPDLC
 GND CON
 121.9 348.6
 RENO TOWER
 118.7 257.8
 NORCAL DEP CON
 119.2 279.55

LOCALIZER 110.9
 I-RNO
 Chan 46

PROTOTYPE: NOT FOR NAVIGATION

PALISADES
 113.2 SWR
 Chan 79

TAKEOFF MINIMUMS

Rwys 8: NA- Obstacles.
 Rwy 17L: Standard with minimum climb of 740' per NM to 8000.
 Rwy 17R: Standard with minimum climb of 370' per NM to 9200.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17L: Climbing right turn heading 177° to intercept I-RNO south course to WAGGE INT, thence. . . .

TAKEOFF RUNWAY 17R: Climb on heading 167 and I-RNO south course to WAGGE INT, thence. . . .

. . . on (transition) or assigned route. All aircraft maintain FL190 or assigned altitude. Expect filed altitude within 5 minutes after departure.

LOVELOCK TRANSITION (WAGGE8.LLC): From over WAGGE INT on HZN R-230 to JERGA INT, then on LLC R-206 to LLC VORTAC.

NOTE: Chart not to scale.

WAGGE EIGHT DEPARTURE
 (WAGGE8.WAGGE) FIG

RENO, NEVADA
 RENO/TAHOE INTL (RNTN)

AUTOMATED AL-346 WAGGE DEPARTURE

SW-4
 6 DEC 2023
 COMPILER: CG
 REVIEWER:
 DBL CHKR:
 EFF: FIG



CTC NORCAL APP WITHIN
20 NM ON 126.3 353.9

RW17R CG/CGTA AAO (6378)

RW17L CG/CGTA TERRAIN (4953)
32-054713

CTC NORCAL APP WITHIN
20 NM ON 119.2 279.55

CAUTION
INTENSIVE GLIDER
ACTIVITY UP TO FL 180

CAUTION
INTENSIVE GLIDER
ACTIVITY UP TO FL 180

AIRPORT ID: KRNO
 AIRPORT NAME: RENO/TAHOE INTL
 CITY: RENO
 STATE: NV
 PROC ID: WAGGE EIGHT DEPARTURE
 SCALE: 1:500K