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| Flight Procedures Cover Page | Task Action: FLIGHT CHECK | Task Type: SID | Estimated Chart Date: 04/20/2023 | APWS Task ID: 3A6AE2184C414B32B5DB0BB795C619D2 | APWS Project ID: 8028D63A4B704D3286BA85744E1288CA |
| Procedure: SID ZEFFR (RNAV) EIGHT RENO NV KRNO | | Enroute: YES | Specialist: Mitchell, Tyler | | Agreement Number: |
| Airport ID: KRNO | | | Airport City: RENO | | State: NV |
| Facility ID: | Facility Type: | Flight Inspection Remark Type: New FC Slot | | | |
| <div>Procedure Comments: AMENDMENT TO BRING TO CURRENT CRITERIA. CONTACT CASIMIR TABAKA: 405-954-7931.</div> <div>2/27/2023: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/02/2022. 1. RWY 17L TAKE-OFF MINIMUMS CHANGED FROM 600-2 1/4 WITH MINIMUM CLIMB OF 350 FT PER NM TO 7000 TO A MINIMUM CLIMB OF 500 FT PER NM TO 9200.</div> <div>J ZEDER 02/27/2023</div> | | | | | |



| FIPC DME/DME FORM | | | | | | | |
|--|---|--|--|--|--|--|-----------------------------------|
| PROCEDURE: SID ZEFFR (RNAV) EIGHT RENO NV KRNO | | | AIRPORT NAME: RENO/TAHOE INTL | | AIRPORT ID: KRNO | SPECIAL CONTROL NO: SG-01-068-23 | |
| FAC ID: ZEFFR8 | | CITY: RENO | | | ST: NV | ORIG CHART DATE: 06/15/2023 | |
| DFL TYPE: PROC/B | THIRD PARTY: <input type="checkbox"/> YES | EST. TIME ON SITE: 1.0 | REIMB. NUMBER: | | PTS TASK ID: 3A6AE2184C414B32B5DB0BB795C619D2 | | |
| PREFLIGHT NOTES | | | | | | | |
| REVIEWER: troy e devine | | | | | DATE: 02/09/2023 | | |
| COMMENTS: | | | | | CHECK ONE: | | |
| | | | | | <input checked="" type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT | | |
| | | | | | | | YES |
| | | | | | CPV COMPLETE? | | X |
| PROCEDURE RESULTS | | | | | | | |
| INSPECTION DATE: 02/09/2023 | | CREW #: VN502 | N #: N84 | INSTRUMENT PROCEDURE STATUS: <input type="checkbox"/> SAT <input checked="" 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: troy e devine @ 02/13/2023 10:20 | | | PRINTED NAME: DEVINE, TROY ELLEN | | | NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | |
| FLIGHT INSPECTOR REMARKS: SG-01-068-23, RENO/TAHOE INTL, Reno NV, SID ZEFFR (RNAV) EIGHT flown SAT W/ Changes. Increase the min climb gradient RWY 17L. The minimum climb gradient 350' per NM to 7000' does not bring aircraft into a position to meet new AT OR ABOVE 9200' crossing restriction at EPOSE. Low altitude alerts issued by ACT. Aircraft clear of all obstacles but arrives at EPOSE approx. 7800'-8000'. | | | | | | | |
| DME/DME STATUS: <input type="checkbox"/> SAT <input checked="" type="checkbox"/> UNSAT | | SPECIALIST SIGNATURE: jeanette ctr roller @ 02/27/2023 11:35 | | | PRINTED NAME: Jeanette Roller | | |
| SPECIALIST REMARKS: DME/DME Assessment is UNSAT. Therefore, the procedure is GPS REQUIRED. | | | | | | | |
| IN-FLIGHT OBSTACLE REPORT | | | | | | | |
| OBSTRUCTION ID #: | COORDINATES OR LOCATION: | | GNSS ALTITUDE (MSL): | | BAROMETRIC ALTITUDE (MSL): | | HEIGHT ABOVE GROUND LEVEL: |

FIPC DME/DME FORM

| | | | | | |
|--|---|---|-----------------------|---|--|
| PROCEDURE: SID ZEFFR (RNAV) EIGHT RENO NV KRNO | | AIRPORT NAME: RENO/TAHOE INTL | | AIRPORT ID: KRNO | SPECIAL CONTROL NO: SG-01-068-23 |
| FAC ID: ZEFFR8 | | CITY: RENO | | ST: NV | ORIG CHART DATE: 06/15/2023 |
| DFL TYPE: PROC/B | THIRD PARTY: <input type="checkbox"/> YES | EST. TIME ON SITE: 1.0 | REIMB. NUMBER: | PTS TASK ID: 3A6AE2184C414B32B5DB0BB795C619D2 | |

PREFLIGHT NOTES

| | | | | |
|--------------------------------|---|------------|------------|-----------|
| REVIEWER: troy e devine | DATE: 02/09/2023 | | | |
| COMMENTS: | CHECK ONE: <input checked="" type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT | | | |
| | <table><tr><td></td><td>YES</td><td>NO</td></tr></table> | | YES | NO |
| | | YES | NO | |
| CPV COMPLETE? | X | | | |

PROCEDURE RESULTS

| | | | | |
|--|-------------------------|--------------------|--|--|
| INSPECTION DATE: 02/09/2023 | CREW #: VN502 | N #: N84 | INSTRUMENT PROCEDURE STATUS: <input type="checkbox"/> SAT <input checked="" 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: troy e devine @ 02/13/2023 10:20 | | | PRINTED NAME: DEVINE, TROY ELLEN | NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

| | |
|--|--|
| FLIGHT INSPECTOR REMARKS: SG-01-068-23, RENO/TAHOE INTL, Reno NV, SID ZEFFR (RNAV) EIGHT flown SAT W/ Changes. Increase the min climb gradient RWY 17L. The minimum climb gradient 350' per NM to 7000' does not bring aircraft into a position to meet new AT OR ABOVE 9200' crossing restriction at EPOSE. Low altitude alerts issued by ACT. Aircraft clear of all obstacles but arrives at EPOSE approx. 7800'-8000'. | |
|--|--|

| | | |
|---|------------------------------|----------------------|
| DME/DME STATUS: <input type="checkbox"/> SAT <input type="checkbox"/> UNSAT | SPECIALIST SIGNATURE: | PRINTED NAME: |
|---|------------------------------|----------------------|

| |
|----------------------------|
| SPECIALIST REMARKS: |
|----------------------------|

IN-FLIGHT OBSTACLE REPORT

| | | | | |
|--------------------------|---------------------------------|-----------------------------|-----------------------------------|-----------------------------------|
| OBSTRUCTION ID #: | COORDINATES OR LOCATION: | GNSS ALTITUDE (MSL): | BAROMETRIC ALTITUDE (MSL): | HEIGHT ABOVE GROUND LEVEL: |
|--------------------------|---------------------------------|-----------------------------|-----------------------------------|-----------------------------------|

(ZEFFR8.ZEFFF) FIG

ZEFFR EIGHT DEPARTURE (RNAV)

AL-346 (FAA)

RENO/TAHOE INTL (R.NO)

RENO, NEVADA

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

RNAV 1 - GPS.

RADAR required.

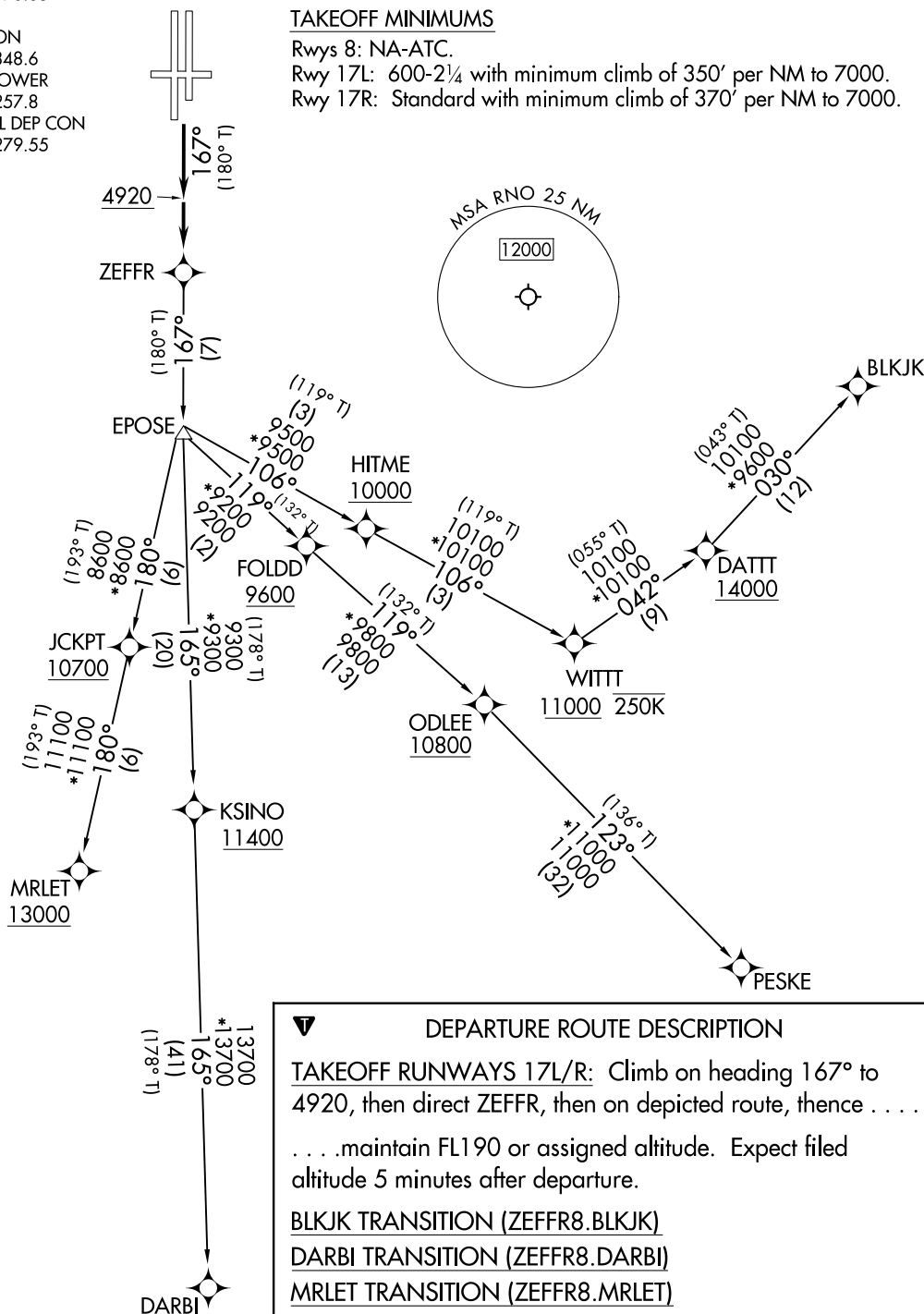
**TOP ALTITUDE:
FL190**

TAKEOFF MINIMUMS

Rwys 8: NA-ATC.

Rwy 17L: 600-2¼ with minimum climb of 350' per NM to 7000.

Rwy 17R: Standard with minimum climb of 370' per NM to 7000.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 17L/R: Climb on heading 167° to 4920, then direct ZEFFR, then on depicted route, thence
. . . .maintain FL190 or assigned altitude. Expect filed altitude 5 minutes after departure.

BLKJK TRANSITION (ZEFFR8.BLKJK)

DARBI TRANSITION (ZEFFR8.DARBI)

MRLET TRANSITION (ZEFFR8.MRLET)

PESKE TRANSITION (ZEFFR8.PESKE)

NOTE: Chart not to scale.

AUTOMATED AL-346 ZEFFR DEPARTURE

SW-4

9 JAN 2023

COMPILER: CG

REVIEWER:

DBL CHKR:

EFF: FIG

ZEFFR EIGHT DEPARTURE (RNAV)

(ZEFFR8.ZEFFF) FIG

RENO, NEVADA
RENO/TAHOE INTL (R.NO)

OLD

(ZEFFR7.ZEFFR) 22307

ZEFFR SEVEN DEPARTURE (RNAV)

AL-346 (FAA)

RENO/TAHOE INTL (RNO)
RENO, NEVADA

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

RNAV 1 - DME/DME/IRU or GPS.

RADAR required for non-GPS equipped aircraft.

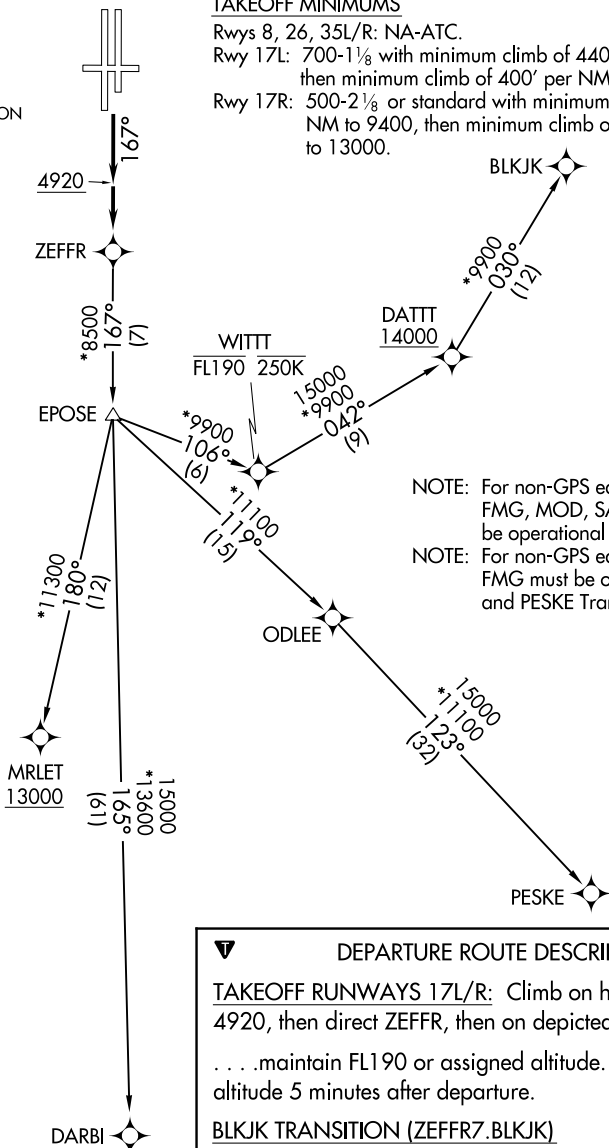
**TOP ALTITUDE:
FL190**

TAKEOFF MINIMUMS

Rwys 8, 26, 35L/R: NA-ATC.

Rwy 17L: 700-1½ with minimum climb of 440' per NM to 9400, then minimum climb of 400' per NM to 13000.

Rwy 17R: 500-2½ or standard with minimum climb of 440' per NM to 9400, then minimum climb of 400' per NM to 13000.



NOTE: For non-GPS equipped aircraft, FMG, MOD, SAC, and SWR must be operational for DARBI Transition.

NOTE: For non-GPS equipped aircraft FMG must be operational for BLKJK and PESKE Transitions.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 17L/R: Climb on heading 167° to 4920, then direct ZEFFR, then on depicted route, thence maintain FL190 or assigned altitude. Expect filed altitude 5 minutes after departure.

BLKJK TRANSITION (ZEFFR7.BLKJK)

DARBI TRANSITION (ZEFFR7.DARBI)

MRLET TRANSITION (ZEFFR7.MRLET)

PESKE TRANSITION (ZEFFR7.PESKE)

NOTE: Chart not to scale.

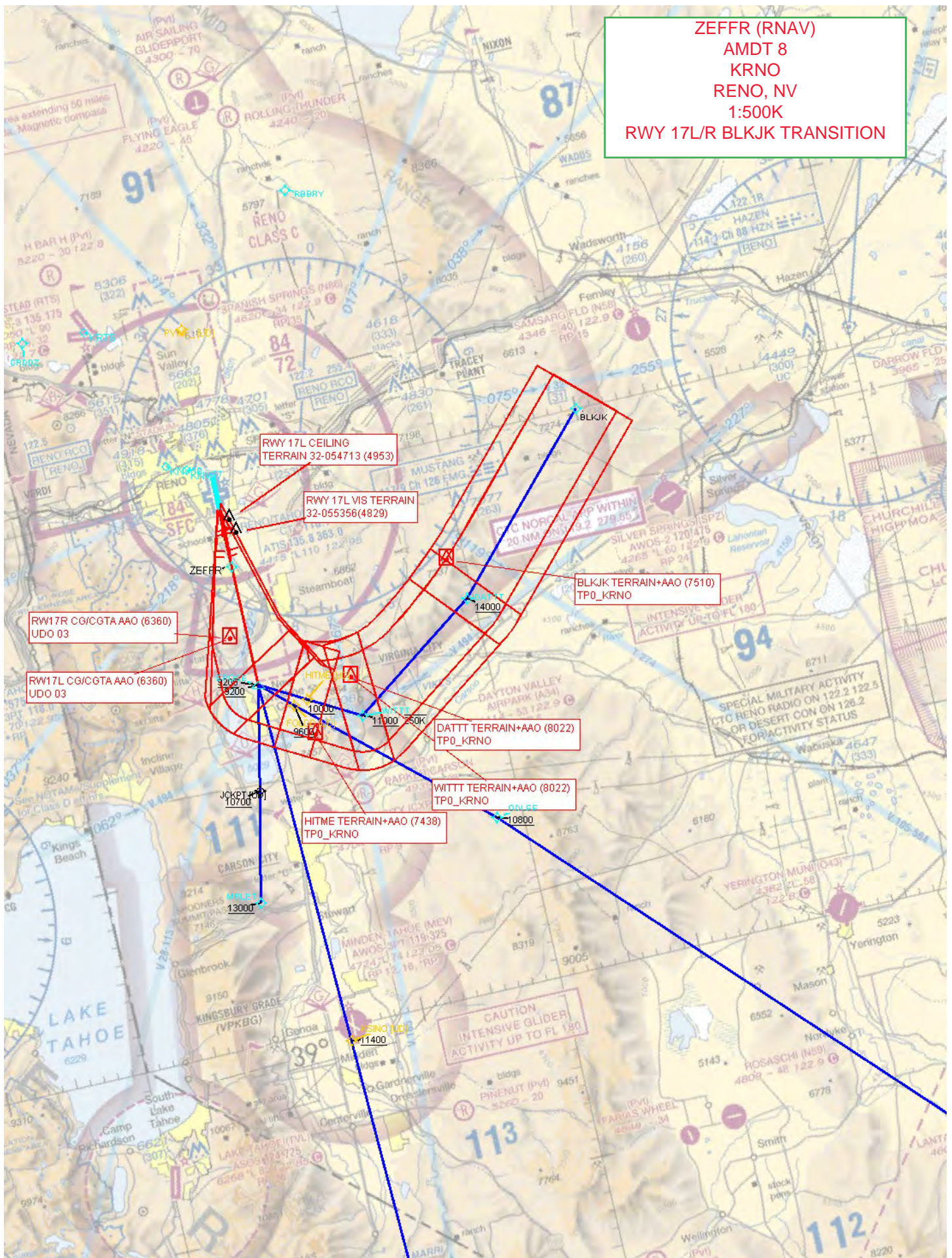
ZEFFR SEVEN DEPARTURE (RNAV)

(ZEFFR7.ZEFFR) 03NOV22

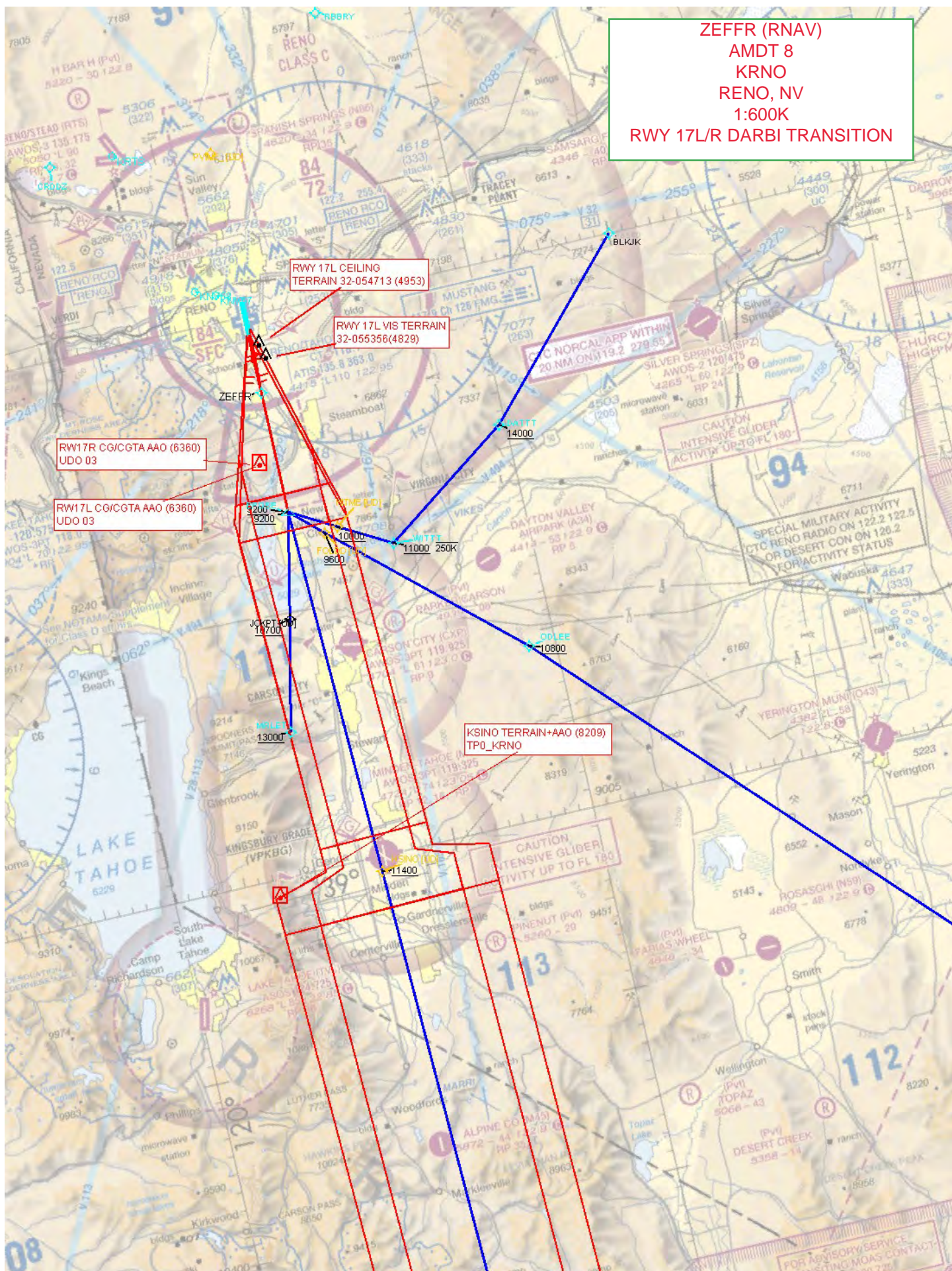
RENO, NEVADA
RENO/TAHOE INTL (RNO)

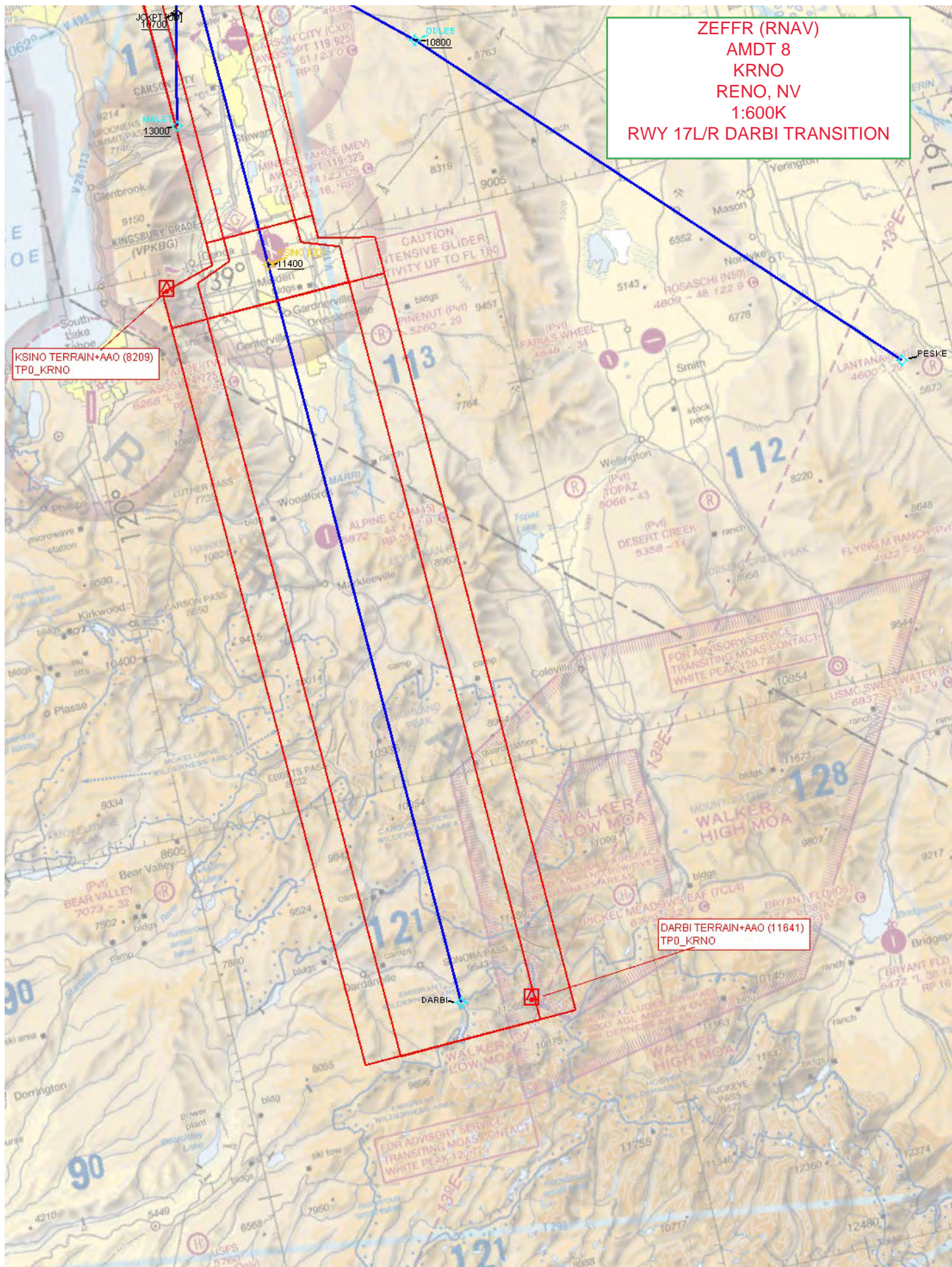
SW-4, 01 DEC 2022 to 29 DEC 2022

ZEFFR (RNAV)
AMDT 8
KRNO
RENO, NV
1:500K
RWY 17L/R BLKJK TRANSITION



ZEFFR (RNAV)
AMDT 8
KRNO
RENO, NV
1:600K
RWY 17L/R DARBI TRANSITION

RWY 17L VIS TERRAIN
32-055356(4829)RW17L CG/CGTA AAO (6360)
UDO 03KSINO TERRAIN+AAO (8209)
TP0_KRNO



ZEFR (RNAV)
AMDT 8
KRNO
RENO, NV
1:600K
RWY 17L/R DARBI TRANSITION

KSINO TERRAIN+AAO (8209)
TP0_KRNO

DARBI TERRAIN+AAO (11641)
TP0_KRNO

ZEFFR (RNAV)
AMDT 8
KRNO
RENO, NV
1:500K
RWY 17L/R MRLET TRANSITION

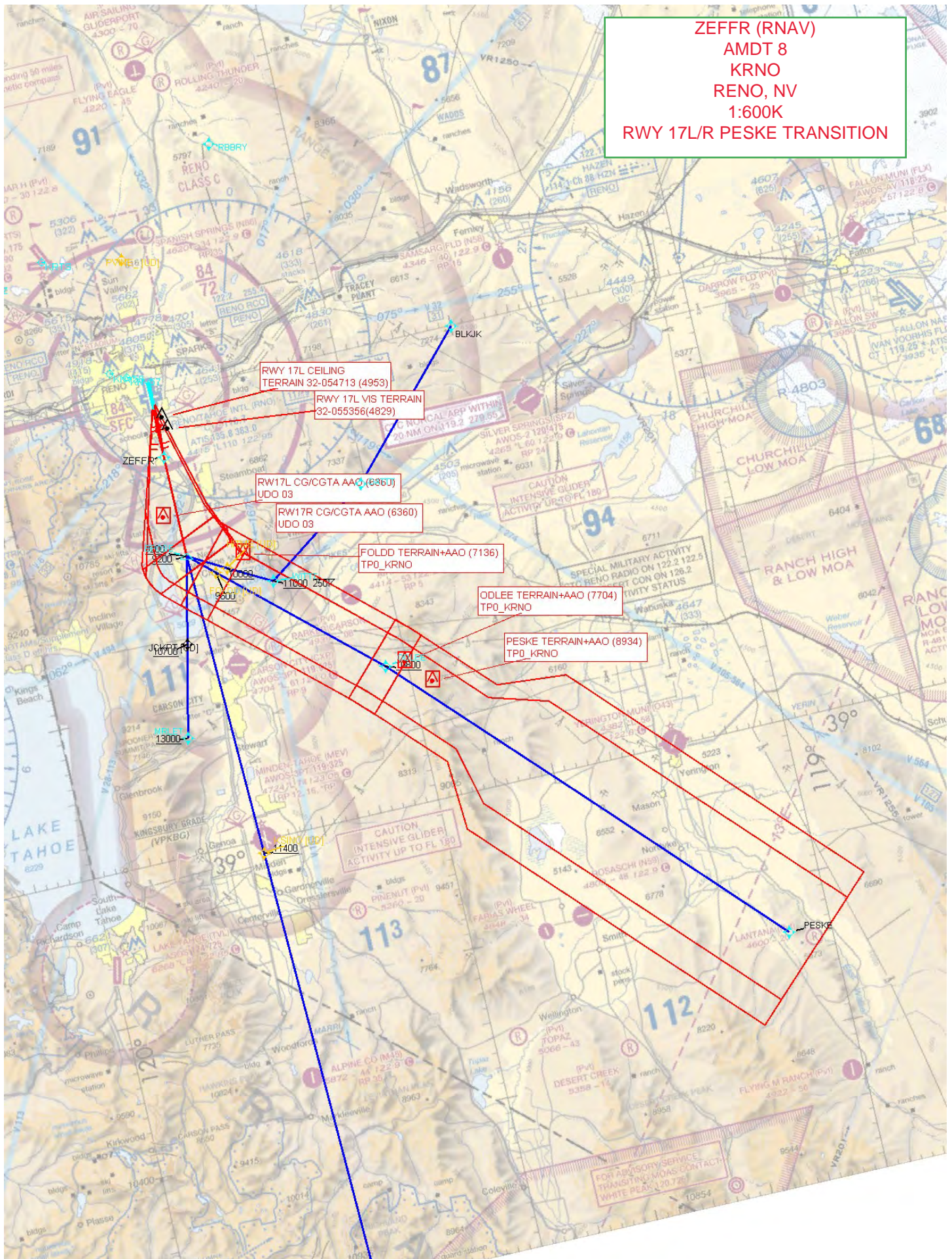
RWY 17L VIS TERRAIN
32-055356(4829)

RW17L CG/CGTA AAO (6360)
UDO 03

JCKPT TERRAIN+AAO (6536)
TP1_KRNO

MRLET TERRAIN+AAO (9049)
TPO_KRNO

ZEFFR (RNAV)
AMDT 8
KRNO
RENO, NV
1:600K
RWY 17L/R PESKE TRANSITION



ZEFFR (RNAV)
AMDT 8
KRNO
RENO, NV
1:100K
RWY 17L/R ICA/ICAE

