

**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation.
Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PVINE	THREE	PVINE3.PVINE	TWO	12/10/2015	04 FEB 2016

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 34L: CLIMB HEADING 344.12 TO 4920, THEN DIRECT PVINE, THENCE...
TAKEOFF RWY 34R: CLIMB HEADING 344.11 TO 4920, THEN DIRECT PVINE, THENCE...
 ... MAINTAIN FL190 OR ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 5 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
CRDDZ	PVINE3.CRDDZ	PVINE	CRDDZ	TRACK 281.43	9.58	9000	8600	AT/ABOVE 10000
HALLE	PVINE3.HALLE	PVINE	HALLE	TRACK 320.23	21.13	14000	10000	AT/ABOVE 14000
PYGOW	PVINE3.PYGOW	PVINE	HIWAA	TRACK 022.30	7.07		8900	AT/BELOW 10000
		HIWAA	RBBRY	TRACK 022.04	4.76		8900	AT/BELOW 11000
		RBBRY	PYGOW	TRACK 031.21	23.36	13000	10500	AT/ABOVE 17000

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

- NOTE: DME/DME/IRU OR GPS REQUIRED.
- NOTE: RNAV 1.
- NOTE: RADAR REQUIRED FOR NON GPS EQUIPPED AIRCRAFT.
- NOTE: FOR NON GPS EQUIPPED AIRCRAFT, FMG AND SWR MUST BE OPERATIONAL FOR HALLE TRANSITION.
- NOTE: FOR NON GPS EQUIPPED AIRCRAFT, FMG AND HZN MUST BE OPERATIONAL FOR PYGOW TRANSITION.

TAKEOFF MINIMUMS:

- RWYS 7, 25, 16L/R:** NA-ATC.
- RWY 34L:** STANDARD WITH MINIMUM CLIMB OF 383 FT PER NM TO 12000.
- RWY 34R:** 400-1 ½ WITH MINIMUM CLIMB OF 383 FT PER NM TO 12000, OR STANDARD WITH MINIMUM CLIMB OF 411 FT PER NM TO 4900, THEN MINIMUM CLIMB OF 383 FT PER NM TO 12000.

TAKEOFF OBSTACLES NOTES:

- RWY 34L:** TREES BEGINNING 1193 FT FROM DER, 331 FT LEFT OF CENTERLINE, UP TO 75 FT AGL/4489 FT MSL. TREES BEGINNING 1229 FT FROM DER, 180 FT RIGHT OF CENTERLINE, UP TO 84 FT AGL/4498 FT MSL. POLE 2815 FT FROM DER, 1230 FT RIGHT OF CENTERLINE, 83 FT AGL/4497 FT MSL.
- RWY 34R:** BLDG 7104 FT FROM DER, 1730 FT RIGHT OF CENTERLINE, 363 FT AGL/4780 MSL. TREES BEGINNING 1229 FT FROM DER, 350 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/4498 MSL. POLES BEGINNING 1067 FT FROM DER, 171 FT RIGHT OF CENTERLINE UP TO 83 FT AGL/4497 FT MSL.

CONTROLLING OBSTACLES:

- RWY 34L:** 5668 FT MSL TOWER 393503.00N/1194759.00W
- RWY 34R:** 4780 FT MSL BUILDING 393200.00N/1194538.00W, 5668 FT MSL TOWER 393503.00N/1194759.00W



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LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KRNO 16E/EPOCH YEAR 1985 DME/DME ASSESSMENT: SAT (RNP 2.0)
 CHART: TOP ALTITUDE: 19000

AIRPORTS SERVED:

RENO/TAHOE INTL

RENO, NV

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, RNO TOWER, NORCAL DEP CON 119.2/279.55

FIXES AND/OR NAVAIDS:

REMARKS:

383 FEET PER NM CLIMB GRADIENTS LISTED ARE REQUIRED TO ENSURE DME/DME/IRU OPERATIONS PER RNAV PRO ASSESSMENT. RWY 34L ONLY REQUIRED A 375 OBSTACLE CLIMB GRADIENT. 100 FOOT VEGETATION TO MATCH ILS IAP BEING DEVELOPED FOR SAME CHART CYCLE.



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ATA, ALPA, APA, AOPA, NBAA, ZOA, RNO ATCT

CHANGES:

DELETED NOTE: CAUTION INTENSE GLIDER ACTIVITY UP TO FL180.

REASONS:

PER CURRENT DOCUMENTATION POLICY.



DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code				Superseded Number	Dated	Effective Date
PVINE		TWO	PVINE3.PVINE				TWO	10 DEC 2015	04 FEB 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RWY 34L (AER)*	392910.91N/1194609.45W	N	-	-	-	-			* DISPL THLD (990 FT)
4920 MSL		-	-	VA	000.12				CG 383 FT PER NM TO 12000
PVINE	393550.70N/1194559.81W	Y	FB	DF	-	-			
RWY 34R (AER)	392920.89N/1194600.49W	N	-	-	-	-			
4920 MSL		-	FB	VA	000.11				CG 411 FT PER NM TO 4900
PVINE	393550.70N/1194559.81W	Y	FB	DF	-	-			CG 383 FT PER NM TO 12000
PVINE	393550.70N/1194559.81W	-	-	IF	-	-			PVINE3.CRDDZ
CRDDZ	394015.08N/1195700.33W	Y	FB	TF	297.43	9.58	AT/ABOVE 10000		
PVINE	393550.70N/1194559.81W	-	-	IF	-	-			PVINE3.HALLE
HALLE	395511.21N/1195703.90W	Y	FB	TF	336.23	21.13	AT/ABOVE 14000		
PVINE	393550.70N/1194559.81W	-	-	IF	-	-			
HIWAA	394123.69N/1194019.28W	Y	FB	TF	038.30	7.07	AT/BELOW 10000		PVINE3.PYGOW
RBBRY	394508.81N/1193631.06W	Y	FB	TF	038.04	4.76	AT/BELOW 11000		
PYGOW	400059.58N/1191412.18W	Y	FB	TF	047.21	23.36	AT/ABOVE 17000		