

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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.

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
HWD	HAYWARD	CA	1A	

**TAKEOFF MINIMUMS:**

RWY 10R, 28L, 28R: STANDARD.  
RWY 10L: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 211 FT/NM TO 300.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 10L: CLIMBING RIGHT TURN DIRECT OSI VOR/DME.  
RWY 10R: CLIMBING RIGHT TURN DIRECT OSI VOR/DME.  
RWY 28L: CLIMBING LEFT TURN DIRECT OSI VOR/DME.  
RWY 28R: CLIMBING LEFT TURN DIRECT OSI VOR/DME.

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 10L: SIGN 32 FT FROM DER, 117 FT LEFT OF CENTERLINE, 3 FT AGL/40 FT MSL.  
SIGN BEGINNING 71 FT FROM DER, 116 FT LEFT OF CENTERLINE, UP TO 6 FT AGL/43 FT MSL.  
BUILDING 108 FT FROM DER, 486 FT LEFT OF CENTERLINE, 18 FT AGL/55 FT MSL.  
BUILDING 621 FT FROM DER, 172 FT LEFT OF CENTERLINE, 16 FT AGL/58 FT MSL.  
BUILDING 625 FT FROM DER, 115 FT LEFT OF CENTERLINE, 17 FT AGL/59 FT MSL.  
BUILDINGS BEGINNING 753 FT FROM DER, 99 FT LEFT OF CENTERLINE, UP TO 23 FT AGL/66 FT MSL.  
BUILDING 1144 FT FROM DER, 98 FT LEFT OF CENTERLINE, 23 FT AGL/70 FT MSL.  
TREE 1376 FT FROM DER, 242 FT LEFT OF CENTERLINE, 32 FT AGL/81 FT MSL.  
TREE 1378 FT FROM DER, 275 FT LEFT OF CENTERLINE, 33 FT AGL/83 FT MSL.  
TREES, BUILDING BEGINNING 1378 FT FROM DER, 117 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/98 FT MSL.  
TREES, POLE BEGINNING 1387 FT FROM DER, 12 FT LEFT OF CENTERLINE, UP TO 66 FT AGL/115 FT MSL.  
TREE 2050 FT FROM DER, ON CENTERLINE, 107 FT MSL.  
TREES BEGINNING 2320 FT FROM DER, 191 FT LEFT OF CENTERLINE, UP TO 118 FT MSL.  
TREE 2442 FT FROM DER, 52 FT RIGHT OF CENTERLINE, 66 FT AGL/117 FT MSL.  
TREE 2616 FT FROM DER, 67 FT LEFT OF CENTERLINE, 120 FT MSL.  
TREE 2983 FT FROM DER, 120 FT LEFT OF CENTERLINE, 132 FT MSL.  
TREE 3080 FT FROM DER, 803 FT LEFT OF CENTERLINE, 94 FT AGL/151 FT MSL.  
TREE, BUILDINGS BEGINNING 3881 FT FROM DER, 256 FT LEFT OF CENTERLINE, UP TO 107 FT AGL/168 FT MSL.  
BEGINNING 2050' FROM DER, 1' RIGHT OF CENTERLINE, UP TO 60' AGL/107' MSL.

NOTE: RWY 10R: TREES, TERRAIN, POLES, WALLS, FENCE, VEHICLES ON ROAD BEGINNING 21 FT FROM DER, 9 FT LEFT OF CENTERLINE, UP TO 107 FT MSL.  
POLE 23 FT FROM DER, 122 FT RIGHT OF CENTERLINE, 10 FT AGL/60 FT MSL.  
POLES, TERRAIN, FENCE, WALLS, TREES, BUILDINGS BEGINNING 152 FT FROM DER, 26 FT RIGHT OF CENTERLINE, UP TO 32 FT AGL/80 FT MSL.  
TREES, BUILDINGS, VEHICLES ON ROAD BEGINNING 414 FT FROM DER, 99 FT LEFT OF CENTERLINE, UP TO 66 FT AGL/117 FT MSL.  
TREES, VEHICLES ON ROAD, POLES, BUILDINGS, LIGHT POLES BEGINNING 588 FT FROM DER, 24 FT LEFT OF CENTERLINE, UP TO 120 FT MSL.  
POLES, LIGHT POLES BEGINNING 729 FT FROM DER, 27 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/82 FT MSL.  
POLES, TREES, LIGHT POLES BEGINNING 804 FT FROM DER, 62 FT RIGHT OF CENTERLINE, UP TO 35 FT AGL/85 FT MSL.  
TREES, POLES, SIGNS, BUILDINGS BEGINNING 954 FT FROM DER, 14 FT LEFT OF CENTERLINE, UP TO 132 FT MSL.  
BUILDING 1104 FT FROM DER, 3 FT RIGHT OF CENTERLINE, 42 FT AGL/92 FT MSL.  
POLE 1194 FT FROM DER, 204 FT RIGHT OF CENTERLINE, 43 FT AGL/93 FT MSL.  
TREES, POLES BEGINNING 1224 FT FROM DER, 8 FT RIGHT OF CENTERLINE, UP TO 43 FT AGL/95 FT MSL.  
TREE 1877 FT FROM DER, 216 FT RIGHT OF CENTERLINE, 48 FT AGL/99 FT MSL.  
TREES BEGINNING 1939 FT FROM DER, 104 FT RIGHT OF CENTERLINE, UP TO 79 FT AGL/129 FT MSL.  
BUILDINGS, TREES, SIGNS BEGINNING 2066 FT FROM DER, 653 FT LEFT OF CENTERLINE, UP TO 101 FT AGL/155 FT MSL.

NOTE: RWY 28L: TREE, NAVAID BEGINNING 94 FT FROM DER, 268 FT RIGHT OF CENTERLINE, UP TO 13 FT AGL/39 FT MSL.  
NAVAID, VEHICLE ON ROAD BEGINNING 169 FT FROM DER, 259 FT RIGHT OF CENTERLINE, UP TO 21 FT AGL/47 FT MSL.  
TREES BEGINNING 654 FT FROM DER, 46 FT RIGHT OF CENTERLINE, UP TO 73 FT MSL.  
TREE 751 FT FROM DER, 1 FT LEFT OF CENTERLINE, 32 FT AGL/55 FT MSL.  
TREE 793 FT FROM DER, 43 FT LEFT OF CENTERLINE, 35 FT AGL/57 FT MSL.  
TREES BEGINNING 856 FT FROM DER, 190 FT LEFT OF CENTERLINE, UP TO 46 FT AGL/69 FT MSL.  
TREES BEGINNING 897 FT FROM DER, 2 FT LEFT OF CENTERLINE, UP TO 108 FT MSL.  
TREE 898 FT FROM DER, 531 FT RIGHT OF CENTERLINE, 64 FT AGL/89 FT MSL.  
TREES BEGINNING 899 FT FROM DER, 67 FT RIGHT OF CENTERLINE, UP TO 71 FT AGL/95 FT MSL.  
TREES, POLES BEGINNING 962 FT FROM DER, 215 FT RIGHT OF CENTERLINE, UP TO 74 FT AGL/97 FT MSL.  
TREES BEGINNING 1046 FT FROM DER, 139 FT RIGHT OF CENTERLINE, UP TO 75 FT AGL/99 FT MSL.  
TREES BEGINNING 1079 FT FROM DER, 6 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/105 FT MSL.  
TREES, FENCE BEGINNING 1280 FT FROM DER, 270 FT RIGHT OF CENTERLINE, UP TO 91 FT AGL/113 FT MSL.



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NOTE: RWY 28R: BUILDING 44 FT FROM DER, 445 FT RIGHT OF CENTERLINE, 25 FT AGL/55 FT MSL.  
 TREES, FENCE BEGINNING 389 FT FROM DER, 208 FT RIGHT OF CENTERLINE, UP TO 81 FT MSL.  
 TREES BEGINNING 642 FT FROM DER, 459 FT RIGHT OF CENTERLINE, UP TO 95 FT AGL/128 FT MSL.  
 TREES, POLES BEGINNING 696 FT FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 98 FT AGL/131 FT MSL.  
 NAVAID 726 FT FROM DER, 241 FT LEFT OF CENTERLINE, 21 FT AGL/47 FT MSL.  
 TREES BEGINNING 1211 FT FROM DER, 260 FT LEFT OF CENTERLINE, UP TO 73 FT MSL.  
 TREES BEGINNING 1461 FT FROM DER, 19 FT LEFT OF CENTERLINE, UP TO 68 FT AGL/91 FT MSL.  
 TREE 1496 FT FROM DER, 33 FT LEFT OF CENTERLINE, 69 FT AGL/93 FT MSL.  
 TREES BEGINNING 1497 FT FROM DER, 5 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/94 FT MSL.  
 TREES BEGINNING 1519 FT FROM DER, 38 FT LEFT OF CENTERLINE, UP TO 74 FT AGL/97 FT MSL.  
 TREE 1769 FT FROM DER, 586 FT LEFT OF CENTERLINE, 82 FT AGL/101 FT MSL.  
 TREES BEGINNING 1777 FT FROM DER, 44 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/102 FT MSL.  
 TREES BEGINNING 1837 FT FROM DER, 13 FT LEFT OF CENTERLINE, UP TO 91 FT AGL/113 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 10L: 192 FT MSL TREE 373842.98N/1220613.88W.  
 OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 10L, 10R, 28L, 28R: 4035 FT MSL AAO 375254.00N/1215454.00W.

**REMARKS:**

60FT VEG USED PER FPT.

*Digitally signed by*

**FLIGHT INSPECTED BY**  
KEVIN Y CHENG

**ERIC N SUSKI**  
Dec 13, 2024

**OFFICE**  
AJF

**DATE**  
12/10/2024

**DEVELOPED BY**  
ERIC N SUSKI (ZACHARY KRUEGER)

*Digitally signed by*  
**ERIC N SUSKI**  
Nov 13, 2024

**OFFICE**  
AJV-A431

**DATE**  
10/21/2024

**APPROVED BY**  
ERIC N SUSKI

*Digitally signed by*  
**ERIC N SUSKI**  
Nov 13, 2024

**OFFICE**  
AJV-A431

**DATE**  
01/16/2025

**TITLE**  
MANAGER

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA

**OTHER:** ZPA, NORCAL TRACON, ARPT MGR.

**CHANGES - REASONS:**

1. TAKEOFF MINIMUMS: 10L CHANGED FROM "STANDARD" TO "RWY 10L: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 211 FT/NM TO 300." - NEW CONTROLLING OBSTACLE.
2. TAKEOFF OBSTACLE NOTES UPDATED FOR ALL RWYS. - NEW OBSTACLE EVALUATION.
3. CONTROLLING OBSTACLES: CHANGED FROM "OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 10L, 10R, 28L, 28R- 4049 FT MSL AAO 375251.90N/1215437.70W." TO "RWY 10L: 192 FT MSL TREE 373842.98N/1220613.88W. OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 10L, 10R, 28L, 28R: 4035 FT MSL AAO 375254.00N/1215454.00W." - NEW OBSTACLE EVALUATION.

