

**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>
21D	ST PAUL	MN	2	5 OCTOBER 2023

TAKEOFF MINIMUMS:

RWY 4, 14, 22, 32: STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 4: CLIMB ON HEADING 038.24 TO 1600 BEFORE TURNING RIGHT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

RWY 4: TREE 7 FT FROM DER, 484 FT RIGHT OF CENTERLINE, 986 FT MSL.
BUILDING 88 FT FROM DER, 521 FT LEFT OF CENTERLINE, 28 FT AGL/959 FT MSL.
TREES BEGINNING 379 FT FROM DER, 489 FT RIGHT OF CENTERLINE, UP TO 999 FT MSL.
TREES BEGINNING 487 FT FROM DER, 165 FT RIGHT OF CENTERLINE, UP TO 1007 FT MSL.
TREES BEGINNING 1231 FT FROM DER, 793 FT LEFT OF CENTERLINE, UP TO 993 FT MSL.
TREE 1370 FT FROM DER, 699 FT LEFT OF CENTERLINE, 994 FT MSL.
TREE 1482 FT FROM DER, 622 FT LEFT OF CENTERLINE, 1006 FT MSL.
TREES BEGINNING 1612 FT FROM DER, 549 FT LEFT OF CENTERLINE, UP TO 1008 FT MSL.
TREE 1629 FT FROM DER, 793 FT LEFT OF CENTERLINE, 1019 FT MSL.
TREES BEGINNING 1727 FT FROM DER, 129 FT LEFT OF CENTERLINE, UP TO 1029 FT MSL.
TREE 2225 FT FROM DER, 797 FT RIGHT OF CENTERLINE, 1020 FT MSL.
TREES BEGINNING 2447 FT FROM DER, 29 FT RIGHT OF CENTERLINE, UP TO 1022 FT MSL.
TREE 3630 FT FROM DER, 669 FT RIGHT OF CENTERLINE, 1029 FT MSL.

RWY 14: TREE 41 FT FROM DER, 494 FT LEFT OF CENTERLINE, 983 FT MSL.
VEHICLE ON ROAD 98 FT FROM DER, 497 FT RIGHT OF CENTERLINE, 936 FT MSL.
TREE 1174 FT FROM DER, 796 FT RIGHT OF CENTERLINE, 990 FT MSL.
TREES BEGINNING 1299 FT FROM DER, 738 FT LEFT OF CENTERLINE, UP TO 1004 FT MSL.
TREES BEGINNING 1435 FT FROM DER, 216 FT LEFT OF CENTERLINE, UP TO 1010 FT MSL.
TREE 2760 FT FROM DER, 37 FT LEFT OF CENTERLINE, 1011 FT MSL.
TREE 2987 FT FROM DER, 72 FT LEFT OF CENTERLINE, 1012 FT MSL.
TREES BEGINNING 3055 FT FROM DER, 1081 FT RIGHT OF CENTERLINE, UP TO 1020 FT MSL.
TREES BEGINNING 3189 FT FROM DER, 1034 FT RIGHT OF CENTERLINE, UP TO 1022 FT MSL.

RWY 22: BUILDING BEGINNING 100 FT FROM DER, 476 FT RIGHT OF CENTERLINE, UP TO 22 FT AGL/947 FT MSL.
POLE 308 FT FROM DER, 492 FT RIGHT OF CENTERLINE, 39 FT AGL/962 FT MSL.
TREES BEGINNING 1517 FT FROM DER, 77 FT LEFT OF CENTERLINE, UP TO 983 FT MSL.
TREES BEGINNING 1852 FT FROM DER, 134 FT LEFT OF CENTERLINE, UP TO 1001 FT MSL.
TREE 1911 FT FROM DER, 39 FT RIGHT OF CENTERLINE, 973 FT MSL.
TREE 2357 FT FROM DER, 331 FT RIGHT OF CENTERLINE, 986 FT MSL.

RWY 32: TERRAIN 11 FT FROM DER, 437 FT RIGHT OF CENTERLINE, 926 FT MSL.
BUILDING, TREE BEGINNING 572 FT FROM DER, 618 FT RIGHT OF CENTERLINE, UP TO 23 FT AGL/950 FT MSL.
TREE 1007 FT FROM DER, 589 FT RIGHT OF CENTERLINE, 975 FT MSL.
TREE 1081 FT FROM DER, 670 FT RIGHT OF CENTERLINE, 978 FT MSL.
POLE 1414 FT FROM DER, 299 FT LEFT OF CENTERLINE, 47 FT AGL/965 FT MSL.
POLE BEGINNING 1479 FT FROM DER, 66 FT LEFT OF CENTERLINE, UP TO 47 FT AGL/967 FT MSL.
TREE 2269 FT FROM DER, 181 FT RIGHT OF CENTERLINE, 985 FT MSL.
TREE 4032 FT FROM DER, 1214 FT RIGHT OF CENTERLINE, 1026 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 4: 1475 FT MSL STACK 450148.00N/0924645.00W.

REMARKS:

100' VEGETATION HEIGHT USED.

FLIGHT INSPECTED BY

SCOTT WIEBE

Digitally signed by

CASIMIR L TABAKA

Jun 12, 2023

OFFICE

FPO

DATE

06/07/2023

DEVELOPED BY

TYLER MITCHELL

Digitally signed by

TYLER D MITCHELL

May 25, 2023

OFFICE

AJV-A432

DATE

04/17/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA

May 26, 2023

OFFICE

AJV-A432

DATE

10/05/2023

TITLE

MANAGER



<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
21D	ST PAUL	MN	2	5 OCTOBER 2023

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒

OTHER:

ZMP, MSP APP CON, AMGR.

CHANGES - REASONS:

1. RWY 14 TAKEOFF MINIMUMS CHANGED FROM: "400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 233 FEET PER NM TO 1400" TO: "STANDARD". - RUNWAY CONSTRUCTION AND NEW SURVEY.
2. DEPARTURE PROCEDURE FOR RWY 4 CHANGED HEADING FROM 038.25 TO 038.24. - RUNWAY CONSTRUCTION.
3. TAKEOFF OBSTACLE NOTES UPDATED.
4. TEXTUAL DEPARTURE PROCEDURES: RWY 4 CHANGED FROM CLIMB HEADING... TO CLIMB ON HEADING... - UPDATED IAW 8260.46J.

