

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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.

City, State	Airport	Effective Date	Amdt. No.
SOUTH ST PAUL, MN	SOUTH ST PAUL MUNI-RICHARD E FLEMING FLD	13 NOVEMBER 2014	1

TAKEOFF MINIMUMS:

RWY 16, 300 -1 ¼ OR STANDARD WITH MINIMUM CLIMB OF 225 FT PER/NM TO 1200 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FT PRIOR TO DER.

RWY 34, 200 -1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 220 FT PER/NM TO 1100 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1500 FT PRIOR TO DER.

TEXTUAL DEPARTURE PROCEDURES:

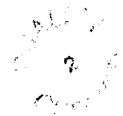
TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16, TREE, 1 FT FROM DER, 321 FT LEFT OF CENTERLINE, 56 FT AGL/877 FT MSL. TREES BEGINNING 108 FT FROM DER, 103 FT LEFT OF CENTERLINE, UP TO 68 FT AGL/889 FT MSL. TREES BEGINNING 1021 FT FROM DER, 88 FT LEFT OF CENTERLINE, UP TO 85 FT AGL/898 FT MSL. TREES BEGINNING 116 FT FROM DER, 193 FT RIGHT OF CENTERLINE, UP TO 75 FT AGL/894 FT MSL. TREES BEGINNING 1108 FT FROM DER, 78 FT RIGHT OF CENTERLINE UP TO 64 FT AGL/875 FT MSL. TREES BEGINNING 2123 FT FROM DER, 444 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1069 FT MSL.

NOTE: RWY 34, POLES, TREES AND BUILDINGS BEGINNING 76 FT FROM DER, 274 FT LEFT OF CENTERLINE, UP TO 79 FT AGL/880 FT MSL. POLES AND TREES BEGINNING 1021 FT FROM DER, 6 FT LEFT OF CENTERLINE, UP TO 82 FT AGL/901 FT MSL. TREES BEGINNING 2048 FT FROM DER, 71 FT LEFT OF CENTERLINE, UP TO 68 FT AGL/889 FT MSL. TOWER 1 MILE FROM DER, 657 FT LEFT OF CENTERLINE, 103 FT AGL/987 FT MSL. TREES AND BUILDINGS BEGINNING 84 FT FROM DER, 351 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/856 FT MSL. TREES BEGINNING 1042 FT FROM DER, 54 FT RIGHT OF CENTERLINE, UP TO 72 FT AGL/892 FT MSL. TREES BEGINNING 2017 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/899 FT MSL.

CONTROLLING OBSTACLES:

RWY 16: 1069 FT MSL TREE 444937.00N/0930142.00W
RWY 34: 987 FT MSL TOWER 445239.83N/0930240.85W



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REMARKS:

FLIGHT INSPECTED BY:

ROBERT BULLARD

FIOG

For [Signature] 5/30/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JILL OLSON
(BRIAN BERUBEE)

AJV-353

For [Signature] 7/12/14

APPROVED BY:

GEORGE GONZALEZ

AJV-353

For [Signature]

SEP 25 2014

COORDINATED WITH:

AOPA, NBAA, ZMP, MIN APP CON, MSP ATCT, STP ATCT, AMGR

CHANGES:

1. UPDATED LOW CLOSE-IN OBSTACLES
2. ADDED RWY 34 CLIMB GRADIENT, VISIBILITY, AND RWY REDUCTION INFORMATION/INSTRUCTIONS
3. DOCUMENTED RWY 34 CLIMB GRADIENT OBSTACLE
4. ADDED RWY 16 CLIMB GRADIENT, VISIBILITY, AND RUNWAY REDUCTION INFORMATION/INSTRUCTIONS
5. DOCUMENTED RWY 16 CLIMB GRADIENT OBSTACLE

REASONS:

1. OBSTACLE STUDY
2. 987 TOWER PENETRATES THE 40:1 SURFACE BY 14.12 FT
3. 8260.46D CHG 1, APPENDIX D9b
4. 1069 TREE PENETRATES THE 40:1 SURFACE BY 25.05 FT
5. 8260.46D CHG 1, APPENDIX D9b

08/25/2014: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 8/22/2014.

CITY AND AIRPORT NAME: REMOVED PERIOD AFTER ST AND THE SPACES BEFORE AND AFTER THE HYPHEN. CHANGED FIELD TO FLD.