

**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>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
CHARLOTTE, MI	FITCH H BEACH	22 JUNE 2017	3

**TAKEOFF MINIMUMS:**

**RWY 15, 33:** NA - ENVIRONMENTAL.

**RWY 3, 21:** STANDARD.

**TEXTUAL DEPARTURE PROCEDURES:**

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

NOTE: **RWY 3:** TREE 21 FEET FROM DER, 482 FEET LEFT OF CENTERLINE, 14 FEET AGL/899 FEET MSL. REILS AND ELECTRICAL SYSTEM 35 FEET FROM DER, 77 FEET LEFT AND RIGHT OF CENTERLINE, 4 FEET AGL/894 MSL. TREE AND VEHICLES ON ROAD 248 FEET FROM DER, 337 FEET LEFT OF CENTERLINE, 909 FEET MSL. VEHICLES ON ROAD 367 FEET FROM DER, 516 FEET LEFT OF CENTERLINE, 911 FEET MSL. VEHICLES ON ROAD 457 FEET FROM DER, 461 FEET LEFT OF CENTERLINE, 912 FEET MSL. POWER LINES, POLE AND VEHICLES ON ROAD BEGINNING 520 FEET FROM DER, 298 FEET LEFT OF CENTERLINE, UP TO 40 FEET AGL/936 FEET MSL. TREES, VEHICLES ON ROAD, BUILDING, POLE, BEGINNING 746 FEET FROM DER, 101 FEET LEFT OF CENTERLINE, UP TO 970 FEET MSL. TREE AND OL POLE 1108 FEET FROM DER, 10 FEET LEFT OF CENTERLINE, 973 FEET MSL. TREES, POLE, OL POLE, VEHICLES ON ROAD, BUILDING, AND POWER LINES BEGINNING 1223 FEET FROM DER, 14 FEET LEFT OF CENTERLINE, UP TO 74 FEET AGL/1000 FEET MSL. TREES BEGINNING 2366 FEET FROM DER, 58 FEET LEFT OF CENTERLINE, UP TO 1008 FEET MSL. TREE 4540 FEET FROM DER, 23 FEET LEFT OF CENTERLINE, 87 FEET AGL/1021 FEET MSL. TREE 298 FEET FROM DER, 328 FEET RIGHT OF CENTERLINE, 911 FEET MSL. POLE AND TREE 465 FEET FROM DER, 264 FEET RIGHT OF CENTERLINE, 935 FEET MSL. POLE 637 FEET FROM DER, 546 FEET RIGHT OF CENTERLINE, 936 FEET MSL. POLE AND TREES BEGINNING 676 FEET FROM DER, 137 FEET RIGHT OF CENTERLINE, UP TO 38 FEET AGL/938 FEET MSL. POLE AND TREE 841 FEET FROM DER, 79 FEET RIGHT OF CENTERLINE, 36 FEET AGL/939 FEET MSL. POLES AND TREE, BEGINNING 969 FEET FROM DER, 476 FEET RIGHT OF CENTERLINE, UP TO 35 FEET AGL/940 FEET MSL. POLE 1003 FEET FROM DER, 436 FEET RIGHT OF CENTERLINE, 35 FEET AGL/941 FEET MSL. POLE, BUILDING AND VEHICLES ON ROAD BEGINNING 1135 FEET FROM DER, 108 FEET RIGHT OF CENTERLINE, UP TO 944 FEET MSL. POLE, TREE AND VEHICLES ON ROAD BEGINNING 1235 FEET FROM DER, 16 FEET RIGHT OF CENTERLINE, UP TO 35 FEET AGL/945 FEET MSL. SIGN AND POLE 1332 FEET FROM DER, 119 FEET RIGHT OF CENTERLINE, 949 FEET MSL. POLE, BUILDING, POWER LINES AND VEHICLES ON ROAD BEGINNING 1430 FEET FROM DER, 13 FEET RIGHT OF CENTERLINE, UP TO 35 FEET AGL/953 FEET MSL. SIGN, VEHICLES ON ROAD AND BUILDING BEGINNING 1642 FEET FROM DER, 105 FEET RIGHT OF CENTERLINE, UP TO 37 FEET AGL/958 FEET MSL. BUILDING, POLE, POWER LINES AND VEHICLES ON ROAD BEGINNING 1721 FEET FROM DER, 72 FEET RIGHT OF CENTERLINE, UP TO 35 FEET AGL/959 FEET MSL. POLE AND BUILDING 1814 FEET FROM DER, 500 FEET RIGHT OF CENTERLINE, 43 FEET AGL/968 FEET MSL. SIGN, VEHICLES ON ROAD, POLE, TREE AND POWER LINES BEGINNING 1842 FEET FROM DER, 185 FEET RIGHT OF CENTERLINE, UP TO 971 FEET MSL. TREE AND POLE 2181 FEET FROM DER, 119 FEET RIGHT OF CENTERLINE, 991 FEET MSL. TREE AND POLE 2292 FEET FROM DER, 105 FEET RIGHT OF CENTERLINE, 993 FEET MSL. TREES BEGINNING 2426 FEET FROM DER, 88 FEET RIGHT OF CENTERLINE, UP TO 1000 FEET MSL. TREES BEGINNING 2487 FEET FROM DER, 836 FEET RIGHT OF CENTERLINE, UP TO 1008 FEET MSL. TREE, POWER LINES AND POLE BEGINNING 2542 FEET FROM DER, 25 FEET RIGHT OF CENTERLINE, UP TO 1010 FEET MSL. TREES, ANTENNA AND TOWER BEGINNING 2663 FEET FROM DER, 35 FEET RIGHT OF CENTERLINE, UP TO 94 FEET AGL/1026 FEET MSL.

NOTE: **RWY 21:** TREES BEGINNING 17 FEET FROM DER, 427 FEET RIGHT OF CENTERLINE, UP TO 53 FEET AGL/929 FEET MSL. REILS AND ELECTRICAL SYSTEM 33 FEET FROM DER, 77 FEET LEFT AND RIGHT OF CENTERLINE, 5 FEET AGL/884 FEET MSL. TREES BEGINNING 941 FEET FROM DER, 182 FEET RIGHT OF CENTERLINE, UP TO 935 FEET MSL. TREES BEGINNING 1042 FEET FROM DER, 414 FEET RIGHT OF CENTERLINE, UP TO 944 FEET MSL. TREE, POWERLINES AND POLE BEGINNING 1046 FEET FROM DER, 536 FEET RIGHT OF CENTERLINE, UP TO 950 FEET MSL. TREES BEGINNING 2319 FEET FROM DER, 269 FEET RIGHT OF CENTERLINE, UP TO 952 FEET MSL. TREES BEGINNING 2453 FEET FROM DER, 682 FEET RIGHT OF CENTERLINE, UP TO 976 FEET MSL. TREES BEGINNING 2554 FEET FROM DER, 53 FEET RIGHT OF CENTERLINE, UP TO 982 FEET MSL. TREE 34 FEET FROM DER, 284 FEET LEFT OF CENTERLINE, 889 FEET MSL. TOWER, AIRPORT BEACON, POLE, POWERLINES AND TREE BEGINNING 489 FEET FROM DER, 553 FEET LEFT OF CENTERLINE, UP TO 80 FEET AGL/964 FEET MSL.

**CONTROLLING OBSTACLES:**



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**REMARKS:**

**FLIGHT INSPECTED BY:**  
PAUL R ARMSTRONG

*Digitally signed by*  
**DANIEL D OLSON**  
Feb 09, 2017

**OFFICE SYMBOL:**  
FICO

**DATE:**  
09/20/2016

**DEVELOPED BY:**  
THOMAS KIRKPATRICK (WILLIAM HANBY)

*Digitally signed by*  
**DANIEL D OLSON**  
Feb 09, 2017

**OFFICE SYMBOL:**  
AJV-5423

**DATE:**  
08/09/2016

**APPROVED BY:**  
TONY LAWSON

*Digitally signed by*  
**DANIEL D OLSON**  
Feb 09, 2017

**OFFICE SYMBOL:**  
AJV-5420

**DATE:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**  
ZOB, LAN APP CON, AMGR

**CHANGES - REASONS:**

**CHANGES:**

#1 CHANGED FROM RWY 2, 20 TO RWY 3, 21. CHANGED FROM RWY 14, 32 TO RWY 15, 33.

#2 REMOVED RWY 20 CLIMB TO INSTRUCTIONS.

#3 REMOVED RWY 3, 15, 21, 33 TAKEOFF OBSTACLES

#4 AMENDED RWY 3 AND RWY 21 TAKEOFF OBSTACLE NOTES.

**REASONS:**

#1 MAGVAR UPDATE.

#2-3 OBSTACLES EVALUATED WITH NEW SURVEY DATA.

#4 GROUPED AND FORMATTED OBSTACLES IAW CURRENT DOCUMENTATION POLICY.

QUALITY  
19  
CHECKED