

# TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

10182

## INSTRUMENT APPROACH PROCEDURE CHARTS

### IFR TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

#### Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned a SID or radar vector by ATC, an ODP may be flown without ATC clearance to ensure obstacle clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) take-off minima are published below. For military take-off minima, refer to appropriate service directives.

#### NAME TAKE-OFF MINIMUMS

##### AKRON, OH

AKRON-CANTON RGNL (CAK)

AMDT 5 86352 (FAA)

DEPARTURE PROCEDURE: All aircraft climb straight ahead to 1700 before proceeding on course.

AKRON FULTON INTL (AKR)

AMDT 1A 10098 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1, 7**, 300-1. **Rwy 19**, 300-1 or std. w/min. climb of 394' per NM to 1300. **Rwy 25**, 300-13' or std. w/min. climb of 265' per NM to 1400.

DEPARTURE PROCEDURE: **Rwy 1**, climb runway heading to 2100 before turning West. **Rwy 25**, climb runway heading to 2100 before turning North.

NOTE: **Rwy 7**, numerous trees, poles, roads, and terrain points beginning 45' from DER, both sides of centerline, up to 120' AGL/1 189' MSL. **Rwy 19**, tree 3244' from DER, 631' right of centerline, 100' AGL/1203' MSL.

**Rwy 25**, tower 1.4 NM from DER, 216' left of centerline, 309' AGL/1342' MSL.

##### ANDERSON, IN

ANDERSON MUNI-DARLINGTON FIELD (AID)

TAKE-OFF MINIMUMS: **Rwys 18, 36**, 300-1.

#### NAME TAKE-OFF MINIMUMS

##### ASHLAND, OH

ASHLAND COUNTY (3G4)

AMDT 3 10126 (FAA)

NOTE: **Rwy 1**, trees beginning 61' from DER, 194' right of centerline, up to 50' AGL/1249' MSL. **Rwy 19**, trees beginning 5' from DER, 167' left of centerline, up to 50' AGL/1259' MSL.

##### ASHTABULA, OH

ASHTABULA COUNTY (HZY)

ORIG 09183 (FAA)

NOTE: **Rwy 8**, trees beginning 779' from DER, 34' left of centerline, up to 91' AGL/1020' MSL. Trees beginning 27' from DER, 17' right of centerline, up to 91' AGL/1007' MSL. **Rwy 26**, trees beginning 1219' from DER, 183' left of centerline, up to 99' AGL/1008' MSL. Trees beginning 1465' from DER, 406' right of centerline, up to 83' AGL/992' MSL.

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## ATHENS (ALBANY), OH

OHIO UNIVERSITY SNYDER FIELD (UNI)  
ORIG 10042 (FAA)

TAKE-OFF MINIMUMS: **Rwy 7**, 200-1 or std. w/ min. climb of 310' per NM to 1000. **Rwy 25**, 200-1 or std. w/ min. climb of 360' per NM to 1000.

NOTE: **Rwy 7**, trees beginning 4439' from DER, 1034' left of centerline, up to 100' AGL/933' MSL. Trees beginning 2869' from DER, 1171' right of centerline, up to 100' AGL/879' MSL. Vehicle abeam DER 451' left of centerline, 17' AGL/769' MSL. **Rwy 25**, trees beginning 3371' from DER, 425' left of centerline, up to 100' AGL/ 925' MSL. Trees beginning 1221' from DER, 624' right of centerline, up to 100' AGL/999' MSL.

## AUBURN, IN

DE KALB COUNTY (GWB)  
AMDT 1 06271 (FAA)

NOTE: **Rwy 9**, multiple trees beginning 428' from departure end of runway, 227' right of centerline, up to 100' AG/979' MSL. **Rwy 27**, multiple trees beginning 83' from departure end of runway, 207' left of centerline, up to 100' AGL/939' MSL. Multiple tree beginning 1377' from departure end of runway, 316' right of centerline, up to 100' AGL/930' MSL.

## BARNESVILLE, OH

BARNESVILLE-BRADFIELD (6G5)  
ORIG 85297 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9, 27**, 300-1.

## BEACH CITY, OH

BEACH CITY (2D7)  
ORIG 82245 (FAA)

TAKE-OFF MINIMUMS: **Rwys 10, 28**, 300-1.

## BELLEFONTAINE, OH

BELLEFONTAINE RGNL (EDJ)  
ORIG 03079 (FAA)

DEPARTURE PROCEDURE: **Rwy 7**, climb to 2100 via heading 074° before proceeding on course.

## BLOOMINGTON, IN

MONROE COUNTY (BMG)  
AMDT 5 02052 (FAA)

NOTE: **Rwy 6**, trees 2185' from departure end of runway, 755' left of centerline, 81' AGL/967' MSL. **Rwy 24**, trees 2325' from departure end of runway, 830' right of centerline, 87' AGL/1019' MSL. **Rwy 17**, trees 854' from departure end of runway, 595' left of centerline, 67' AGL/ 862' MSL. **Rwy 35**, trees 2376' from departure end of runway, 905' left of centerline, 85' AGL/932' MSL.

## BLUFFTON, OH

BLUFFTON (5G7)  
AMDT 1 09183 (FAA)

NOTE: **Rwy 5**, trees beginning 975' from DER, 572' left of centerline, up to 100' AGL/949' MSL.

## BOWLING GREEN, OH

WOOD COUNTY (1G0)  
AMDT 3 07074 (FAA)

TAKE-OFF MINIMUMS: **Rwy 18**, 300-1.

NOTE: **Rwy 18**, building/tower 3581' from departure end of runway, 254' right of centerline, 141' AGL/841' MSL.

## BRAZIL, IN

BRAZIL CLAY COUNTY (0I2)

TAKE-OFF MINIMUMS: **Rwys 9, 27**, 300-1.

## BRYAN, OH

WILLIAMS COUNTY (0G6)  
ORIG 10154 (FAA)

NOTE: **Rwy 7**, vehicles on road beginning 49' from DER, from left to right of centerline, up to 15' AGL/734' MSL. Tree 160' from DER, 323' left of centerline 30' AGL/759' MSL. Trees beginning 324' from DER, 403' right of centerline, up to 101' AGL/829' MSL. **Rwy 25**, vehicles on road beginning 203' from DER, from right to left of centerline, up to 15' AGL/744' MSL. Pole 285' from DER, 329' right of centerline, 37' AGL/767' MSL. Trees beginning 2787' from DER, 769' right of centerline, up to 100' AGL/829' MSL.

## BUCYRUS, OH

PORT BUCYRUS-CRAWFORD COUNTY (17G)  
AMDT 1 83048 (FAA)

TAKE-OFF MINIMUMS: **Rwys 4, 9, 22, 27**, 300-1.

## CADIZ, OH

HARRISON COUNTY (8G6)  
AMDT 2 99252 (FAA)

TAKE-OFF MINIMUMS: **Rwy 13, 31**, 300-1.

## CALDWELL, OH

NOBLE COUNTY (I10)  
AMDT 1 97146 (FAA)

TAKE-OFF MINIMUMS: **Rwy 5, 23**, 400-1.

DEPARTURE PROCEDURE: **Rwy 23**, climb runway heading to 1500 before turning.

## CAMBRIDGE, OH

CAMBRIDGE MUNI (CDI)  
AMDT 2 96144 (FAA)

TAKE-OFF MINIMUMS: **Rwys 4, 22**, 500-1 or std. with a min. climb of 350' per NM to 1500.

## CARROLLTON, OH

CARROLL COUNTY-TOLSON (TSO)  
AMDT 4 99140 (FAA)

TAKE-OFF MINIMUMS: **Rwy 7, 25**, 300-1.

NOTE: **Rwy 7**, 100' AGL trees 1800' from departure end of runway, 400' left of centerline. **Rwy 25**, 100' AGL trees 200' from departure end of runway, 400' left of centerline.

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## CELINA, OH

LAKEFIELD (CQA)

AMDT 2 10042 (FAA)

NOTE: **Rwy 8**, trees beginning 782' from DER, 7' right of centerline, up to 100' AGL/969' MSL. Trees beginning 57' from DER, 130' left of centerline, up to 100' AGL/976' MSL. **Rwy 26**, vehicle 63' from DER, 469' right of centerline, 15' AGL/909' MSL. Poles beginning 127' from DER, 145' right of centerline, up to 51' AGL/941' MSL. Antenna 653' from DER, 498' right of centerline, 33' AGL/923' MSL. Trees beginning 1194' from DER, 319' right of centerline, up to 100' AGL/952' MSL.

## CHILLICOTHE, OH

ROSS COUNTY (RZT)

AMDT 3 96116 (FAA)

TAKE-OFF MINIMUMS: **Rwy 23**, 400-1 or std. with min. climb of 340' per NM to 1300. **Rwy 30**, 300-1 or std. with a min. climb of 460' per NM to 1100.

DEPARTURE PROCEDURE: **Rwy 5**, climb runway heading to 1500 before turning right. **Rwy 12**, climb runway heading to 2000 before turning right.

**Rwy 23**, climb runway heading to 1500 before turning left.

## CINCINNATI, OH

CINCINNATI MUNI AIRPORT-LUNKEN FIELD (LUK)

AMDT 14 10098 (FAA)

TAKE-OFF MINIMUMS: **Rwy 3L**, std. w/ min. climb of 392' per NM to 1000 or 400-2 w/ min. climb of 213' per NM to 1400 or 1700-2½ for climb in visual conditions.

**Rwy 3R**, std. w/ min. climb of 355' per NM to 1000 or 400-2 w/ min. climb of 231' per NM to 1400 or 1700-2½ for climb in visual conditions. **Rwy 7**, std. w/ min. climb of 424' per NM to 1000 or 400-1½ w/ min. climb of 205' per NM to 1300 or 1700-2½ for climb in visual conditions.

**Rwy 21L**, std. w/ min. climb of 413' per NM to 1100 or 600-2½ w/ min. climb of 228' per NM to 1300 or 1700-2½ for climb in visual conditions. **Rwy 21R**, std. w/ min. climb of 466' per NM to 1100 or 600-3 w/ min. climb of 223' per NM to 1300 or 1700-2½ for climb in visual conditions.

**Rwy 25**, 600-2½ w/ min. climb of 218' per NM to 1300 or 1700-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 3L**, climb heading 027° to 1200 before proceeding on course. For climb in visual conditions: cross Cincinnati Muni Airport-Lunken Field at or above 2000 MSL before proceeding on course. **Rwy 3R**, climb heading 025° to 1400 before proceeding on course. For climb in visual conditions: cross Cincinnati Muni Airport-Lunken Field at or above 2000 MSL before proceeding on course. **Rwy 7**, climb heading 066° to 1300 before proceeding on course. For climb in visual conditions: cross Cincinnati Muni Airport-Lunken Field at or above 2000 MSL before proceeding on course. **Rwy 21L**, climb heading 205° to 1400 before proceeding on course. For climb in visual conditions: cross Cincinnati Muni Airport-Lunken Field at or above 2000 MSL before proceeding on course. **Rwy 21R**, climb heading 207° to 1500 before proceeding on course. For climb in visual conditions: cross Cincinnati Muni Airport-Lunken Field at or above 2000 MSL before proceeding on course. **Rwy 25**, climb heading 246° to 1900 before proceeding on course. For climb in visual conditions: cross Cincinnati Muni Airport-Lunken Field at or above 2000 MSL before proceeding on course.

## CINCINNATI MUNI AIRPORT-LUNKEN FIELD (CONT)

NOTE: **Rwy 3L**, building and hangers beginning 305' from DER, 259' left of centerline, up to 41' AGL/521' MSL. Trees beginning 957' from DER, 144' right of centerline, up to 77' AGL/556' MSL. Trees 1.2 NM from DER, 2270' left of centerline, up to 97' AGL/866' MSL. Pole 1.6 NM from DER, 320' left of centerline, 68' AGL/797' MSL. **Rwy 3R**, trees beginning 1426' from DER, 196' left of centerline, up to 68' AGL/557' MSL. Trees beginning 840' from DER, 130' right of centerline, up to 83' AGL/572' MSL. Trees 1.3 NM from DER, 2393' left of centerline, up to 97' AGL/856' MSL. Pole 1.5 NM from DER, 2062' left of centerline, 68' AGL/797' MSL. **Rwy 7**, trees beginning 447' from DER, 68' left of centerline, up to 87' AGL/576' MSL. Trees beginning 664' from DER, 45' right of centerline, up to 88' AGL/575' MSL. Trees 4515' from DER, 1519' right of centerline, up to 81' AGL/720' MSL. Trees 1.3 NM from DER, 2088' right of centerline, up to 85' AGL/824' MSL. **Rwy 21R**, trees beginning 1444' from DER, 203' left of centerline, up to 66' AGL/555' MSL. Trees beginning 1073' from DER, 25' right of centerline, up to 79' AGL/568' MSL. Trees 1.1 NM from DER, 2262' right of centerline, up to 86' AGL/895' MSL. Tower 2.3 NM from DER, 527' left of centerline, 168' AGL/990' MSL. Trees 2.4 NM from DER, 1847' left of centerline, up to 71' AGL/890' MSL. **Rwy 21L**, trees beginning 122' from DER, 63' left of centerline, up to 118' AGL/597' MSL. Trees beginning 15' from DER, 248' right of centerline, up to 82' AGL/571' MSL. Trees 4581' from DER, 1503' left of centerline, up to 144' AGL/723' MSL. Tower 2 NM from DER, 2027' right of centerline, 168' AGL/990' MSL. Pole 2.2 NM from DER, 281' right of centerline, 78' AGL/841' MSL. **Rwy 25**, sign, pole, hangars, and trees beginning 177' from DER, 13' left of centerline, up to 86' AGL/575' MSL. Road, building, poles, and trees beginning 185' from DER, 5' right of centerline, up to 73' AGL/562' MSL. Tank 1.4 NM from DER, 1755' right of centerline, 210' AGL/1046' MSL. Tower 2.6 NM from DER, 2052' left of centerline, 158' AGL/885' MSL.

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## CLEVELAND, OH

BURKE-LAKEFRONT (BKL)

AMDT 4A 09155 (FAA)

TAKE-OFF MINIMUMS: **Rwy 6L**, 400-2 or std. w/ a min. climb of 400' per NM to 1800. **Rwy 6R**, 400-2 or std. w/ a min. climb of 360' per NM to 1800. **Rwy 24L**, 300-1½ or std. w/ a min. climb of 527' per NM to 1900. **Rwy 24R**, 200-1 or std. w/ a min. climb of 527' per NM to 1900.

DEPARTURE PROCEDURE: **Rwys 6L/6R**, climb via heading 065° to 1800 before proceeding on course. **Rwys 24L/24R**, climbing right turn via CXR VOR/DME R-272 to 1900 before proceeding on course.

NOTE: **Rwy 6L**, obstruction light on hangar 1 127' from DER, 780' right of centerline, 47' AGL/622' MSL. Tower 5589' from DER, 1760' right of centerline, 237' AGL/857' MSL. Stacks 1.6 NM from DER, 883' right of centerline, 312' AGL/898' MSL. **Rwy 6R**, obstruction light on WSK 166' from DER, 241' left of centerline, 21' AGL/590' MSL. Stacks 1.8 NM from DER, 381' right of centerline, 312' AGL/898' MSL. Tower 5676' from DER, 1999' right of centerline, 108' AGL/734' MSL. Tower 1.1 NM from DER, 1258' left of centerline, 237' AGL/857' MSL. **Rwy 24L**, monument 1257' from DER, 10' left of centerline, 55' AGL/630' MSL. Bridge 1.1 NM from DER, 2006' left of centerline, 208' AGL/792' MSL. Antenna 227' from DER, 505' left of centerline, 37' AGL/608' MSL. Antenna on building 1529' from DER, 2340' left of centerline, 483' AGL/1126' MSL. Building 2805' from DER, 3340' left of centerline, 949' AGL/1603' MSL. **Rwy 24R**, crane 2228' from DER, 296' left of centerline, 136' AGL/707' MSL. Antenna 2783' from DER, 1155' left of centerline, 186' AGL/764' MSL. Multiple buildings 2787' from DER, 3873' left of centerline, up to 949' AGL/1603' MSL. Antenna on building 1529' from DER, 2839' left of centerline, 483' AGL/1126' MSL.

## CLEVELAND-HOPKINS INTL (CLE)

AMDT 15 08325 (FAA)

DEPARTURE PROCEDURE: **Rwys 6L, 6R, 10**, climbing left turn to intercept DJB VOR/DME R-082 to 2600 before proceeding on course.

NOTE: **Rwy 10**, multiple signs beginning 1237' from departure end of runway, 717' left of centerline, up to 68' AGL/857' MSL, light pole 1746' from departure end of runway, 786' right of centerline, 53' AGL/842' MSL, tower 4157' from departure end of runway, 1456' right of centerline, 137' AGL/922' MSL. **Rwy 24L**, multiple trees and poles beginning 1903' from departure end of runway, 5' left of centerline, up to 89' AGL/849' MSL. **Rwy 24R**, tower 2565' from departure end of runway, 1028' right of centerline, 191' AGL/870' MSL, multiple trees 3653' from departure end of runway, 857' left of centerline, up to 103' AGL/870' MSL. **Rwy 28**, vehicle on road 304' from departure end of runway, 3' left of centerline, 14' AGL/773' MSL. Antenna on building 308' from departure end of runway, 240' left of centerline, 13' AGL/775' MSL. Multiple trees beginning at 1046' from departure end of runway, 105' left of centerline, up to 60' AGL/819' MSL. Tower 2640' from departure end of runway, 946' right of centerline, 80' AGL/840' MSL.

## CLEVELAND, OH (CON'T)

CUYAHOGA COUNTY (CGF)

ORIG 06159 (FAA)

NOTE: **Rwy 6**, trees beginning 2127' from departure end of runway, 975' right of centerline, up to 109' AGL/982' MSL. Tree 2595' from departure end of runway, 740' left of centerline, 93' AGL/947' MSL. **Rwy 24**, multiple trees beginning 755' from departure end of runway, 658' right of centerline, up to 100' AGL/948' MSL. Multiple trees beginning 1833' from departure end of runway, 681' left of centerline, up to 100' AGL/974' MSL.

## COLUMBUS, IN

COLUMBUS MUNI (BAK)

ORIG 08269 (FAA)

NOTE: **Rwy 14**, tree 1589' from departure end of runway, 306' right of centerline, 40' AGL/696' MSL.

## COLUMBUS, OH

BOLTON FIELD (TZR)

ORIG 09015 (FAA)

DEPARTURE PROCEDURE: **Rwy 4**, climb heading 037° to 1800 before turning east.

NOTE: **Rwy 4**, tree 1091' from departure end of runway, 770' left of centerline, 53' AGL/959' MSL. Tree 487' from departure end of runway, 356' right of centerline, 23' AGL/929' MSL. Tree 1317' from departure end of runway, 452' right of centerline, 42' AGL/948' MSL. Tree 1307' from departure end of runway, 50' left of centerline, 36' AGL/942' MSL. Tree 1927' from departure end of runway, 135' right of centerline, 49' AGL/955' MSL. **Rwy 22**, tree 1273' from departure end of runway, 720' right of centerline, 40' AGL/945' MSL. Tree 712' from departure end of runway, 662' right of centerline, 25' AGL/927' MSL. Tree 1411' from departure end of runway, 658' right of centerline 33' AGL/939' MSL.

## PORT COLUMBUS INTL (CMH)

AMDT 6 07130 (FAA)

DEPARTURE PROCEDURE: **Rwys 28L, 28R**, climb heading 279° to 2700 before turning left.

NOTE: **Rwy 10L**, tree 1950' from departure end of runway, 908' left of centerline, 53' AGL/862' MSL. Tree 1883' from departure end of runway, 914' right of centerline, 57' AGL/866' MSL. **Rwy 10R**, trees 1870' from departure end of runway, 927' right of centerline, 86' AGL/877' MSL. **Rwy 28L**, multiple trees beginning 1398' from departure end of runway, 785' left of centerline, up to 51' AGL/870' MSL. Multiple trees beginning 2109' from departure end of runway, 1020' right of centerline, up to 75' AGL/884' MSL. **Rwy 28R**, multiple poles and trees beginning 1743' from departure end of runway, 625' right of centerline, up to 59' AGL/878' MSL.

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## CONNERSVILLE, IN

METTEL FIELD (CEV)  
AMDT 2 06271 (FAA)

TAKE-OFF MINIMUMS: **Rwys 4, 22**, NA-VFR use only.

DEPARTURE PROCEDURE: **Rwy 18**, climb via heading 185° to 1500 before proceeding on course.

NOTE: **Rwy 18**, railroad 311' from departure end of runway, 580' left of centerline, 23' AGL/882' MSL.

Multiple trees beginning 2280' from departure end of runway, 100' left of centerline, up to 113' AGL/974' MSL.

**Rwy 36**, road 120' from departure end of runway, 301' right of centerline, 15' AGL/884' MSL. Railroad 649' from departure end of runway, 578' right of centerline, 23' AGL/892' MSL. Multiple trees beginning 3400' from departure end of runway, on centerline, up to 92' AGL/959' MSL.

## COSHOCKTON, OH

RICHARD DOWNING (I40)  
AMDT 1 80164 (FAA)

TAKE-OFF MINIMUMS: **Rwys 4, 22**, 300-1.

## CRAWFORDSVILLE, IN

CRAWFORDSVILLE MU NI (CFJ)  
ORIG 10154 (FAA)

NOTE: **Rwy 4**, tree 691' from DER, 324' left of centerline, 100' AGL/889' MSL, vehicle on road, 615' from DER, 41' left of centerline, 17' AGL/816' MSL.

## DAYTON, OH

DAYTON-WRIGHT BROTHERS (MGY)  
AMDT 3 06271 (FAA)

NOTE: **Rwy 2**, multiple trees and road beginning 440' from departure end of runway, 257' left of centerline, up to 100' AGL/1053' MSL. Multiple trees beginning 672' from departure end of runway, 17' right of centerline, up to 100' AGL/1017' MSL. **Rwy 20**, multiple trees beginning 189' from departure end of runway, 494' left of centerline, up to 100' AGL/1009' MSL. Multiple poles and trees beginning 323' from departure end of runway, 364' right of centerline, up to 100' AGL/1026' MSL.

GREENE COUNTY-LEWIS A. JACKSON  
RGNL (I19)

AMDT 1 07074 (FAA)

NOTE: **Rwy 25**, multiple trees and tower beginning 469' from departure end of runway, 499' left of centerline, up to 96' AGL/998' MSL. Multiple trees and towers beginning 839' from departure end of runway, 460' right of centerline, up to 75' AGL/1005' MSL. **Rwy 7**, tree 1449' from departure end of runway, 592' right of centerline, 51' AGL/988' MSL.

JAMES M. COX DAYTON INTL (DAY)

AMDT 2 05020 (FAA)

TAKE-OFF MINIMUMS: **Rwy 18**, 300-1 or std. with a min. climb of 250' per NM to 1300'.

NOTES: **Rwy 18**, multiple tanks 4224' from departure end of runway, 1417' left of centerline, 173' AGL/1163' MSL.

## DELAWARE, OH

DELAWARE MUNI (DLZ)  
ORIG 07298 (FAA)

NOTE: **Rwy 10**, railroad 202' from departure end of runway, 549' left of centerline, 23' AGL/972' MSL. Poles 561' from departure end of runway, 558' right of centerline, up to 60' AGL/1004' MSL. Trees 1180' from departure end of runway, 686' left of centerline, up to 83' AGL/1027' MSL. Tree 1288' from departure end of runway, 733' right of centerline, 61' AGL/1005' MSL.

**Rwy 28**, rising terrain beginning 35' from departure end of runway, 189' left of centerline, 950' MSL. Poles 992' from departure end of runway, 599' left of centerline, up to 61' AGL/1005' MSL. Pole 1126' from departure end of runway, 694' right of centerline, 44' AGL/988' MSL.

Tree 1233' from departure end of runway, 742' right of centerline, 46' AGL/990' MSL.

## EAST LIVERPOOL, OH

COLUMBIANA COUNTY (O2G)  
AMDT 2 86296 (FAA)

TAKE-OFF MINIMUMS: **Rwys 7, 25**, 400-1.

## ELYRIA, OH

ELYRIA (1G1)

NOTE: **Rwy 9**, road 1198' from departure end of runway, 275' left of centerline, 15' AGL/774' MSL. Tree 2077' from departure end of runway, 778' right of centerline, 100' AGL/859' MSL. **Rwy 27**, tree 68' from departure end of runway, 237' left of centerline, 100' AGL/859' MSL. Tree 527' from departure end of runway, 454' right of centerline, 100' AGL/854' MSL.

## EVANSVILLE, IN

EVANSVILLE RGNL (EVV)  
AMDT 8 09183 (FAA)

TAKE-OFF MINIMUMS: **Rwy 9**, 300-1. **Rwy 27**, 300-1½ or std. w/a min. climb of 402' per NM to 800. **Rwy 36**, 300-1½.

DEPARTURE PROCEDURE: **Rwy 22**, climb heading 203° to 1300 before turning right.

NOTE: **Rwy 4**, multiple trees beginning 1259' from DER, 693' left of centerline, up to 100' AGL/539' MSL. **Rwy 9**, water tank, levee, and multiple trees beginning 268' from DER, 13' right of centerline, up to 100' AGL/609' MSL. Multiple trees beginning 2233' from DER, 375' left of centerline, up to 67' AGL/516' MSL. **Rwy 18**, multiple buildings and vehicles on road beginning 265' from DER, 137' right of centerline, up to 62' AGL/447' MSL. Trees, lightpole, railroad, and vehicles on road beginning 268' from DER, 10' left of centerline, up to 100' AGL/489' MSL. **Rwy 22**, building vent, sign, poles, and vehicles on road beginning 167' from DER, 85' right of centerline, up to 36' AGL/421' MSL. Multiple trees beginning 2753' from DER, 337' right of centerline, up to 100' AGL/519' MSL. Buildings, trees, and light poles beginning 1128' from DER, 99' left of centerline, up to 125' AGL/495' MSL. **Rwy 27**, multiple trees, pole, and sign beginning 385' from DER, 87' right of centerline, up to 100' AGL/489' MSL. Poles, railroad, and vehicles on road beginning 418' from DER, 3' left of centerline, up to 43' AGL/422' MSL. Multiple trees and towers beginning 861' from DER, 151' left of centerline, up to 181' AGL/649' MSL. **Rwy 36**, multiple trees and building beginning 1563' from DER, 481' right of centerline, up to 100' AGL/619' MSL. Multiple trees and pole beginning 1425' from DER, 112' left of centerline, up to 84' AGL/514' MSL.

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## FINDLAY, OH

FINDLAY (FDY)  
ORIG 07242 (FAA)

NOTE: **Rwy 7**, road 210' from departure end of runway, on runway centerline, 15' AGL/824' MSL. Multiple trees beginning 210' from departure end of runway, 111' right of centerline, up to 81' AGL/885' MSL. Building 2498' from departure end of runway, 878' right of centerline, 113' AGL/921' MSL. **Rwy 18**, tree 2786' from departure end of runway, 151' left of centerline, 72' AGL/876' MSL. **Rwy 25**, multiple elevators beginning 1825' from departure end of runway, 727' right of centerline, 78' AGL/869' MSL. Tree 4566' from departure end of runway, 687' right of centerline, 100' AGL/909' MSL. **Rwy 36**, pole 1192' from departure end of runway, 742' right of centerline, 36' AGL/835' MSL. Tree 1560' from departure end of runway, 499' left of centerline, 53' AGL/847' MSL.

## FORT WAYNE, IN

FORT WAYNE INTL (FWA)  
AMDT 2A 09127 (FAA)

DEPARTURE PROCEDURE: **Rwy 32**, climb runway heading to 1300' before turning left.

NOTE: **Rwy 5**, trees beginning 927' from DER, 499' left of centerline, 40' AGL/836' MSL. Fence 152' from DER, 521' right of centerline, 12' AGL/808' MSL. Railroad 834' from DER, 582' right of centerline, 23' AGL/820' MSL. Tree 152' from DER, 521' right of centerline, up to 42' AGL/842' MSL. **Rwy 9**, tower 3124' from DER, 1109' left of centerline, 111' AGL/910' MSL. **Rwy 14**, tree 1079' from DER, 667' left of centerline, 23' AGL/825' MSL. **Rwy 27**, obstruction light 370' from DER, 230' left of centerline, 14' AGL/812' MSL. **Rwy 32**, trees beginning 3672' from DER, 611' left of centerline, up to 100' AGL/901' MSL.

SMITH FIELD (SMD)  
AMDT 4 96340 (FAA)

TAKE-OFF MINIMUMS: **Rwys 5, 13, 31**, 300-1.

**Rwy 23**, 800-2½ or 300-1 with a min. climb of 400' per NM to 2000.

DEPARTURE PROCEDURE: **Rwys 5, 13**, climb to 2000 on heading 090 before turning south. **Rwys 23, 31**, climb to 2000 on heading 270 before turning south.

## FOSTORIA, OH

FOSTORIA METROPOLITAN (FZI)  
AMDT 1 10154 (FAA)

NOTE: **Rwy 9**, trees beginning 343' from DER, 584' left of centerline, up to 74' AGL/823' MSL. Trees beginning 26' from DER, 277' right of centerline, up to 75' AGL/820' MSL. **Rwy 27**, trees beginning 938' from DER, 342' left of centerline, up to 100' AGL/859' MSL. Trees beginning 379' from DER, 444' right of centerline, up to 64' AGL/806' MSL. Building 2' from DER, 500' left of centerline, 8' AGL/758' MSL. Building 262' from DER, 523' right of centerline, 34' AGL/776' MSL. SILO 292' from DER, 376' right of centerline, 36' AGL/778' MSL. Pole 898' from DER, 413' right of centerline, 39' AGL/778' MSL. Power pole 961' from DER, 562' right of centerline, 48' AGL/790' MSL.

## FRANKFORT, IN

FRANKFORT MUNI (FKR)  
ORIG 10154 (FAA)

NOTE: **Rwy 4**, vehicles on highway, beginning 148' from DER, left to right of centerline, 17' AGL/894' MSL. Building 442' from DER, 601' right of centerline, 40' AGL/897' MSL. Building 606' from DER, 373' left of centerline, 40' AGL/917' MSL. Plant 3169' from DER, 712' right of centerline, 87' AGL/942' MSL. **Rwy 9**, crops 389' from DER, left to right of centerline, 10' AGL/872' MSL. **Rwy 22**, crops 200' from DER, left to right of centerline, 10' AGL/867' MSL. Vehicles on roadway beginning 369' from DER, 583' right of centerline, 17' AGL/876' MSL. **Rwy 27**, crops 299' from DER, left to right of centerline, 10' AGL/867' MSL. Vehicles on roadway 743' from DER, left and right of centerline, 17' AGL/876' MSL.

## FREMONT, OH

FREMONT (14G)  
AMDT 2 09295

TAKE-OFF MINIMUMS: **Rwys 18, 36**, NA-Environmental.

NOTE: **Rwy 9**, train 268' from DER, 516' right of centerline, 23' AGL/677' MSL. Trees beginning 3269' from DER, 1265' right of centerline, up to 100' AGL/754' MSL. Multiple trees and buildings beginning 320' from DER, left and right of centerline, up to 100' AGL/749' MSL. **Rwy 27**, road 65' from DER, 4' right of centerline, 15' AGL/669' MSL. Trees beginning 2230' from DER, 834' left of centerline, up to 100' AGL/754' MSL.

## FRENCH LICK, IN

FRENCH LICK MUNI (FRH)  
ORIG 08101 (FAA)

NOTE: **Rwy 8**, Terrain 59' from departure end of runway, 86' left of centerline, 0' AGL/799' MSL. Trees beginning 184' from departure end of runway, 391' left of centerline, up to 100' AGL/889' MSL. Trees beginning 215' from departure end of runway, 148' right of centerline, up to 100' AGL/849' MSL. **Rwy 26**, Trees beginning 429' from departure end of runway, 90' left of centerline, up to 100' AGL/849' MSL. Trees beginning 580' from departure end of runway, 57' right of centerline, up to 100' AGL/909' MSL.

## GALLIPOLIS, OH

GALLIA-MEIGS RGNL (GAS)  
AMDT 2A 07270 (FAA)

TAKE-OFF MINIMUMS: **Rwy 5**, 500-1. **Rwy 23**, 800-3 or std. w/ min. climb of 331' per NM to 1700.

DEPARTURE PROCEDURE: **Rwy 5**, climb straight ahead to 2100 before proceeding on course.

**Rwy 23**, climb via 215° track to 1500 before proceeding on course.

## GARY, IN

GARY/CHICAGO INTL (GYG)  
AMDT 6 97310 (FAA)

TAKE-OFF MINIMUMS: **Rwy 2**, 300-1 or std. with a min. climb of 250' per NM to 900. **Rwy 30**, 300-1.

DEPARTURE PROCEDURE: **Rwy 12**, climb to 1200 before proceeding on course. **Rwy 20**, climb to 1200 on heading 220° before proceeding on course.

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## GEORGETOWN, OH

BROWN COUNTY (GEO)  
AMDT 1 10042 (FAA)

TAKE-OFF MINIMUMS: **Rwy 18,36**, 300-1.

## GOSHEN, IN

GOSHEN MUNI (GSH)  
ORIG 08157 (FAA)

NOTE: **Rwy 5**, Transmission tower, 4050' from departure end of runway, 1247' right of centerline, 116' AGL/941' MSL. **Rwy 9**, Post 42' from departure end of runway, 251' right of centerline, 12' AGL/831' MSL. Pole 1030' from departure end of runway, 619' right of centerline, 37' AGL/862' MSL. Pole 986' from departure end of runway, 465' left of centerline, 30' AGL/855' MSL. Trees beginning 2493' from departure end of runway, 515' left of centerline, up to 100' AGL/966' MSL. **Rwy 23**, Daymarker 95' from departure end of runway, 85' right of centerline, 4' AGL/818' MSL. Terrain 3' from departure end of runway, 42' left of centerline, 0' AGL/821' MSL. Sign 47' from departure end of runway, 500' left of centerline, 3' AGL/822' MSL. Terrain 61' from departure end of runway, 418' left of centerline, 0' AGL/821' MSL. Road & vehicle 933' from departure end of runway, 736' left of centerline, 17' AGL/841' MSL. **Rwy 27**, Trees beginning 2173' from departure end of runway, 210' right of centerline, up to 100' AGL/914' MSL. Trees beginning 2072' from departure end of runway, 124' left of centerline, up to 100' AGL/914' MSL.

## GREENCASTLE, IN

PUTNAM COUNTY (417)  
ORIG 08045 (FAA)

NOTE: **Rwy 18**, Road and vehicle 365' from departure end of runway, 577' right of centerline, 23' AGL/832' MSL. Pole 598' from departure end of runway, 374' right of centerline, 27' AGL/836' MSL. Pole 640' from departure end of runway, 423' right of centerline, 28' AGL/837' MSL. Building 773' from departure end of runway, 525' right of centerline, 32' AGL/841' MSL. Trees beginning 554' from departure end of runway, 428' right of centerline, up to 100' AGL/899' MSL. Fence 128' from departure end of runway, 306' left of centerline, 13' AGL/822' MSL. Fence 214' from departure end of runway, 307' left of centerline, 16' AGL/825' MSL. Trees beginning 901' from departure end of runway, 277' left of centerline, up to 100' AGL/865' MSL. **Rwy 36**, Terrain beginning 5' from departure end of runway, 85' right of centerline, 0' AGL/854' MSL. STPL 1836' from departure end of runway, 310' right of centerline 45' AGL/894' MSL. Trees beginning 658' from departure end of runway, 115' right of centerline, up to 100' AGL/959' MSL. Antenna on building 2725' from departure end of runway, 18' left of centerline, 64' AGL/913' MSL. Trees beginning 30' from departure end of runway, 250' left of centerline, up to 100' AGL/949' MSL.

## GREENSBURG, IN

GREENSBURG MUNI (I34)  
AMDT 1A 09099 (FAA)

TAKE-OFF MINIMUMS: **Rwy 36**, 300-1.

## GRIFFITH, IN

GRIFFITH - MERRILLVILLE (05C)  
AMDT 4 07074 (FAA)

TAKE-OFF MINIMUMS: **Rwy 8**, 300-1 or std. w/min. climb of 502' per NM to 1000.

NOTE: **Rwy 8**, multiple trees, and poles beginning 5' from departure end of runway, 165' left of centerline, up to 100' AGL/744' MSL. Tower 4170' from departure end of runway, 1386' left of centerline, 259' AGL/900' MSL. Multiple trees, and poles beginning 125' from departure end of runway, 68' right of centerline, up to 100' AGL/744' MSL. **Rwy 26**, multiple poles, trees, and building beginning 146' from departure end of runway, 21' right of centerline, up to 100' AGL/744' MSL. Multiple trees, and poles beginning 25' from departure end of runway, 84' left of centerline, up to 100' AGL/744' MSL.

## HAMILTON, OH

BUTLER COUNTY RGNL (HAO)  
AMDT 3 03191 (FAA)

TAKE-OFF MINIMUMS: **Rwy 11**, 800-3 or std. with a min. climb of 230' per NM to 1600. **Rwy 29**, 300-1 or std. with a min. climb of 420' per NM to 900.

DEPARTURE PROCEDURE: **Rwy 11**, climb to 1700 via heading 110° before turning on course. **Rwy 29**, climb to 1700 via heading 290° before turning on course.

NOTE: **Rwy 11**, trees 2670' from departure end of runway, 1200' left of centerline, 100' AGL/757' MSL. **Rwy 29**, trees 3692' from departure end of runway, 1328' right of centerline, 100' AGL/835' MSL.

## HARRISON, OH

CINCINNATI WEST (I67)  
AMDT 2 07186 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1**, 500-3 or std. w/min. climb of 385' per NM to 1200. **Rwys 9, 27**, NA-obstacles. **Rwy 19**, 500-3 or std. w/min. climb of 253' per NM to 1300.

NOTE: **Rwy 1**, multiple trees beginning 5364' from departure end of runway, 180' right of centerline, up to 100' AGL/915' MSL. Multiple trees beginning 5596' from departure end of runway, 1180' left of centerline up to 100' AGL/909' MSL. Multiple trees beginning 1.5 NM from departure end of runway, 2293' left of centerline, up to 200' AGL/849' MSL. **Rwy 19**, road 23' from departure end of runway, on centerline, 15' AGL/599' MSL.

## HILLSBORO, OH

HIGHLAND COUNTY (HOC)  
AMDT 2 91150 (FAA)

TAKE-OFF MINIMUMS: **Rwys 5, 23**, 300-1.

## HUNTINGBURG, IN

HUNTINGBURG (HNB)

TAKE-OFF MINIMUMS: **Rwy 9**, 300-1.

## HUNTINGTON, IN

HUNTINGTON MUNI (HHG)  
AMDT 1 87183 (FAA)

TAKE-OFF MINIMUMS: **Rwy 9**, 400-1.

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## INDIANAPOLIS, IN

EAGLE CREEK AIRPARK (EYE)

AMDT 1 08325 (FAA)

DEPARTURE PROCEDURE: **Rwy 3**, climb heading 360° to 2000 before turning right.

NOTE: **Rwy 3**, antenna on building 859' from departure end of runway, 524' right of centerline, 37' AGL/851' MSL. Pole 507' from departure end of runway, 631' left of centerline, 36' AGL/860' MSL. Trees beginning 2014' from departure end of runway, 583' left of centerline, up to 85' AGL/904' MSL. **Rwy 21**, trees beginning 677' from departure end of runway, 267' right of centerline, up to 87' AGL/901' MSL. Vehicle/road 310' from departure end of runway, 398' right of centerline, 19' AGL/833' MSL. Trees beginning 1383' from departure end of runway, 57' left of centerline, up to 90' AGL/904' MSL. Airport beacon 10' from departure end of runway, 464' left of centerline, 58' AGL/867' MSL. Flagpole 167' from departure end of runway, 385' left of centerline, 29' AGL/848' MSL. Poles beginning 694' from departure end of runway, 451' left of centerline, up to 40' AGL/849' MSL. Antennas on buildings beginning 363' from departure end of runway, 258' left of centerline, 9' AGL/828' MSL.

## GREENWOOD MUNI (HFY)

AMDT 2 07186 (FAA)

TAKE-OFF MINIMUMS: **Rwy 19**, 300-1 or std. w/ min. climb of 441' per NM to 1200.

DEPARTURE PROCEDURE: **Rwy 1**, climb heading 010° to 1500 before turning right.

NOTE: **Rwy 1**, hangar 71' from departure end of runway, 499' left of centerline, 25' AGL/839' MSL. Pole 869' from departure end of runway, 627' left of centerline, 45' AGL/864' MSL. Multiple trees beginning 1274' from departure end of runway, 394' left of centerline, up to 85' AGL/899' MSL. Building 558' from departure end of runway, 409' right of centerline, 35' AGL/858' MSL. Multiple light poles beginning 1262' from departure end of runway, 482' right of centerline, up to 35' AGL/860' MSL. Multiple trees beginning 2536' from departure end of runway, 375' right of centerline, up to 77' AGL/898' MSL. **Rwy 19**, multiple trees beginning 1168' from departure end of runway, 288' left of centerline, up to 57' AGL/914' MSL. Multiple trees beginning 1577' from departure end of runway, 379' right of centerline, up to 96' AGL/923' MSL. Water tower 4222' from departure end of runway, 25' right of centerline, 114' AGL/971' MSL. Tank 4134' from departure end of runway, 71' right of centerline, 120' AGL/985' MSL.

## HENRICKS COUNTY-GORDON GRAHAM FLD (2R2)

ORIG 08157 (FAA)

NOTE: **Rwy 18**, Pole 746' from departure end of runway, on centerline, 60' AGL/919' MSL, trees 2091' from departure end of runway, 625' left of centerline, 100' AGL/949' MSL. **Rwy 36**, Trees 1302' from departure end of runway, 648' right of centerline, 100' AGL/1009' MSL. Tree 3529' from departure end of runway, 788' right of centerline, 100' AGL/1009' MSL. Tree 5244' from departure end of runway, 1005' left of centerline, 100' AGL/1029' MSL.

## INDIANAPOLIS, IN (CON'T)

INDIANAPOLIS EXECUTIVE (TYQ)

ORIG 08269 (FAA)

NOTE: **Rwy 18**, trees beginning 1452' from departure end of runway, 204' left of centerline, up to 53' AGL/972' MSL. **Rwy 36**, multiple hangers beginning 596' from departure end of runway, 356' left of centerline, up to 45' AGL/975' MSL, trees 2374' from departure end of runway, 641' left to right of centerline, 100' AGL/1019' MSL.

## INDIANAPOLIS INTL (IND)

ORIG 07018 (FAA)

NOTES: **Rwy 5R**, tower 3756' from departure end of runway, 1048' left of centerline, 111' AGL/901' MSL. Rod on obstruction light dome 3765' from departure end of runway, 1076' left of centerline, 107' AGL/901' MSL. **Rwy 5L**, rod on obstruction light MCWV tower 5052' from departure end of runway, 140' right of centerline, 129' AGL/923' MSL. Tower 5073' from departure end of runway, 93' right of centerline, 128' AGL/923' MSL. **Rwy 23R**, tree 5159' from departure end of runway, 1144' right of centerline, 101' AGL/870' MSL. Tree 3295' from departure end of runway, 948' right of centerline, 78' AGL/822' MSL. **Rwy 32**, antenna 2370' from departure end of runway, 755' right of centerline, 70' AGL/849' MSL. Tree 2244' from departure end of runway, 707' right of centerline, 66' AGL/845' MSL.

## INDIANAPOLIS METROPOLITAN (UMP)

AMDT 2 92281 (FAA)

TAKE-OFF MINIMUMS: **Rwys 15, 33**, 300-1.

DEPARTURE PROCEDURE: **Rwys 15, 33**, climb on runway heading to 1400 before turning westbound.

## MOUNT COMFORT (MQJ)

AMDT 1 84243 (FAA)

DEPARTURE PROCEDURE: **Rwy 25**, climb to 2000 on a 270° heading before turning south.

## JACKSON, OH

JAMES A. RHODES (I43)

AMDT 4 07354 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1**, 300-2. **Rwy 19**, 300-1½

DEPARTURE PROCEDURE: **Rwy 1**, climb heading 010° to 1500 before turning left.

NOTE: **Rwy 1**, car on road 475' from departure end of runway, on centerline, 15' AGL/754' MSL. Trees 2570' from departure end of runway, 613' left of centerline, 100' AGL/936' MSL. Trees 2810' from departure end of runway, 1243' left of centerline, 100' AGL/989' MSL. Trees 1.1 NM from departure end of runway, 1355' right of centerline, 100' AGL/949' MSL. Tank 1.4 NM from departure end of runway, 1870' left of centerline, 112' AGL/1008' MSL. Rising terrain beginning 1320' from departure end of runway, 316' left of centerline, up to 889' MSL. **Rwy 19**, pole 1137' from departure end of runway, 114' left of centerline, 39' AGL/779' MSL. Trees 1869' from departure end of runway, 138' right of centerline, 100' AGL/840' MSL. Trees 2349' from departure end of runway, 103' right of centerline, 100' AGL/899' MSL. Rising terrain beginning 386' from departure end of runway, 587' right of centerline, up to 989' MSL.

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## JEFFERSONVILLE, IN

CLARK RGNL (JVY)  
AMDT 1 95061 (FAA)

TAKE-OFF MINIMUMS: **Rwy 14, 300-1.**  
DEPARTURE PROCEDURE: **Rwys 14, 18, 36**, climb on runway heading to 2000 before turning west. **Rwy 32**, climb to 2000 heading 360° before turning west.

## KENDALLVILLE, IN

KENDALLVILLE MUNI (C62)  
AMDT 2 86016 (FAA)

DEPARTURE PROCEDURE: **Rwys 10, 28**, climb runway heading to 1500 before turning south.

## KENTLAND, IN

KENTLAND MUNI (50I)  
ORIG 88322 (FAA)

TAKE-OFF MINIMUMS: **Rwy 27, 400-1.**  
DEPARTURE PROCEDURE: **Rwy 27**, turn left as soon as practicable; climb to 1000' on 240° heading before proceeding on course.

## KENTON, OH

HARDIN COUNTY (I95)  
AMDT 2 83342 (FAA)

TAKE-OFF MINIMUMS: **Rwys 4, 22, 300-1.**

## KNOX, IN

STARKE COUNTY (OXI)  
ORIG 08269 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9, 27, NA-Environmental.**  
NOTE: **Rwy 36**, tree 1234' from departure end of runway, 477' left of centerline, 35' AGL/715' MSL.  
**Rwy 18**, trees beginning 2442' from departure end of runway, 135' right of centerline, up to 86' AGL/769' MSL. Tree 21' from departure end of runway, 449' left of centerline, 5' AGL/668' MSL.

## LA PORTE, IN

LA PORTE MUNI (PPO)  
AMDT 2 07186 (FAA)

NOTE: **Rwy 14**, power line beginning 4937' from departure end of runway, 670' right of centerline, 150' AGL/934' MSL. **Rwy 20**, power line beginning 3978' from departure end of runway, 1566' left of centerline, 150' AGL/959' MSL.

## LAFAYETTE, IN

PURDUE UNIVERSITY (LAF)  
AMDT 1 07130 (FAA)

TAKE-OFF MINIMUMS: **Rwy 5, 300-1½** or std. w/ min. climb of 342' per NM to 1000. **Rwy 23, 400-2¼** or std. w/ min. climb of 220' per NM to 1100.

NOTE: **Rwy 5**, multiple trees and buildings beginning 290' from departure end of runway, 33' right of centerline, up to 167' AGL/782' MSL. Multiple trees, buildings, and antennas beginning 45' from departure end of runway, 25' left of centerline, up to 227' AGL/850' MSL. **Rwy 10**, multiple trees beginning 1230' from departure end of runway, 394' right of centerline, up to 80' AGL/639' MSL. Antenna 258' from departure end of runway, 323' left of centerline, 14' AGL/613' MSL. **Rwy 23**, rod on obstruction light tower 1.9 NM from departure end of runway, 272' left of centerline, 314' AGL/915' MSL. Tree 90' from departure end of runway, 235' left of centerline, 34' AGL/613' MSL. **Rwy 28**, multiple trees beginning 397' from departure end of runway, 461' left of centerline, up to 57' AGL/656' MSL. Tree 3382' from departure end of runway, 973' right of centerline, 68' AGL/697' MSL.

## LANCASTER, OH

FAIRFIELD COUNTY (LHQ)  
AMDT 1 90347 (FAA)

TAKE-OFF MINIMUMS: **Rwy 10, 400-1. Rwy 28, 300-1.**

## LIMA, OH

LIMA ALLEN COUNTY (AOH)  
AMDT 1 10042 (FAA)

TAKE-OFF MINIMUMS: **Rwys 14, 32, NA-Environmental.**

NOTE: **Rwy 10**, bush beginning 162' from DER, 310' right of centerline, up to 4' AGL/983' MSL. **Rwy 28**, multiple trees beginning 1343' from DER, 160' right of centerline, up to 71' AGL/1015' MSL.

## LOGANSPORT, IN

LOGANSPORT/CASS COUNTY (GGP)  
ORIG 07186 (FAA)

NOTE: **Rwy 9**, transmission pole 426' from departure end of runway, 486' left of centerline, 30' AGL/768' MSL. Transmission pole 432' from departure end of runway, 457' right of centerline, 30' AGL/768' MSL. Pole 427' from departure end of runway, 285' left of centerline, 29' AGL/767' MSL. Pole 427' from departure end of runway, 283' right of centerline, 29' AGL/767' MSL. Road with vehicle 448' from departure end of runway, on runway centerline, 15' AGL/751' MSL. Road with vehicle 450' from departure end of runway, 419' right of centerline, 15' AGL/751' MSL. Road with vehicle 447' from departure end of runway, 416' left of centerline, 15' AGL/750' MSL.

## LONDON, OH

MADISON COUNTY (UYF)  
ORIG 90347 (FAA)

TAKE-OFF MINIMUMS: **Rwy 27, 300-1.**

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## LORAIN/ELYRIA, OH

LORAIN COUNTY RGNL (LPR)  
ORIG 06159 (FAA)

NOTE: **Rwy 7**, multiple trees beginning 973' from departure end of runway, 293' right of centerline, up to 75' AGL/865' MSL. Multiple trees beginning 839' from departure end of runway, 636' left of centerline, up to 47' AGL/836' MSL. **Rwy 25**, bush 583' from departure end of runway, 468' right of centerline, 10' AGL/809' MSL. Tree 1587' from departure end of runway, 698' left of centerline, 44' AGL/838' MSL. Tree 2277' from departure end of runway, 435' right of centerline, 58' AGL/854' MSL.

## LOWELL, IN

LOWELL (C97)  
ORIG 82357 (FAA)

TAKE-OFF MINIMUMS: **Rwy 36**, 300-1.

## MADISON, IN

MADISON MUNI (IMS)  
AMDT 2 08213(FAA)

NOTE: **Rwy 3**, Vehicle on road 625' from departure end of runway, on centerline, 15' AGL/844' MSL. Antenna on building and trees beginning 170' from departure end of runway, 432' left of centerline, up to 85' AGL/904' MSL. Poles and trees beginning 526' from departure end of runway, 64' right of centerline, up to 130' AGL/959' MSL. **Rwy 21**, Vehicle on road 575' from departure end of runway, on centerline, 15' AGL/824' MSL. Trees and poles beginning 285' from departure end of runway, 16' left of centerline, up to 157' AGL/947' MSL. Trees and pole beginning 116' from departure end of runway, 1' right of centerline, up to 123' AGL/912' MSL.

## MANSFIELD, OH

MANSFIELD LAHM RGNL (MFD)  
ORIG 09071 (FAA)

NOTE: **Rwy 5**, trees 1337' from DER, 209' right of centerline, 78' AGL/1318' MSL. Trees 1494' from DER, 410' left of centerline, 80' AGL/1330' MSL. **Rwy 32**, trees 2399' from DER, 868' right of centerline, 90' AGL/1310' MSL.

## MARION, IN

MARION MUNI (MZZ)  
ORIG 02164 (FAA)

NOTE: **Rwy 4**, trees 938' from departure end of runway, 696' right of centerline, 67' AGL/914' MSL. **Rwy 15**, trees 627' from departure end of runway, 263' right of centerline, 82' AGL/929' MSL. **Rwy 22**, trees 1144' from departure end of runway, 783' left of centerline, 89' AGL/936' MSL. **Rwy 33**, trees 1005' from departure end of runway, 728' left of centerline, 99' AGL/946' MSL.

## MARION, OH

MARION MUNI (MNN)  
ORIG 07242 (FAA)

DEPARTURE PROCEDURE: **Rwy 25**, climb heading 245° to 1600 before turning right.

NOTE: **Rwy 7**, trees 3283' from departure end of runway, 273' left of centerline, up to 89' AGL/1088' MSL. Multiple trees beginning 36' from departure end of runway, 280' right of centerline, up to 43' AGL/1033' MSL. **Rwy 13**, trees 512' from departure end of runway, 277' left of centerline, up to 100' AGL/1089' MSL. Road 491' from departure end of runway, 15' AGL/1004' MSL. **Rwy 25**, obstruction light on antenna 419' from departure end of runway, 407' left of centerline, up to 13' AGL/1008' MSL. Road 434' from departure end of runway, 15' AGL/1004' MSL. **Rwy 31**, trees 2186' from departure end of runway, up to 100' AGL/1089' MSL. Road 355' from departure end of runway, 485' left of centerline, 15' AGL/1004' MSL.

## MARYSVILLE, OH

UNION COUNTY (MRT)  
AMDT 2 89320 (FAA)

TAKE-OFF MINIMUMS: **Rwy 9**, 300-1.

## MEDINA, OH

MEDINA MUNI (1G5)  
AMDT 3 06159 (FAA)

NOTE: **Rwy 1**, multiple trees beginning 562' from departure end of runway, 588' left of centerline, up to 100' AGL/1279' MSL. Multiple trees beginning 1925' from departure end of runway, on centerline, up to 100' AGL/1319' MSL. **Rwy 9**, multiple trees beginning 305' from departure end of runway, 396' right of centerline, up to 100' AGL/1249' MSL, tower 3627' from departure end of runway, 534' left of centerline, 150' AGL/1282' MSL. **Rwy 19**, multiple trees beginning at departure end of runway, 112' left of centerline, up to 100' AGL/1249' MSL. **Rwy 27**, multiple trees beginning at departure end of runway, 345' left of centerline, up to 100' AGL/1319' MSL, multiple trees beginning at departure end of runway, 366' right of centerline, up to 100' AGL/1279' MSL.

## MICHIGAN CITY, IN

MICHIGAN CITY MUNI (MGC)  
TAKE-OFF MINIMUMS: **Rwy 2**, 300-1.

DEPARTURE PROCEDURE: **Rwy 20**, climb to 1300 on runway heading before turning east.

## MIDDLEFIELD, OH

GEAUGA COUNTY (7G8)  
AMDT 3 06159 (FAA)

NOTE: **Rwy 11**, railroad 331' from departure end of runway, 315' left of centerline, 23' AGL/1182' MSL. Trees 3144' from departure end of runway, 671' left of centerline, 100' AGL/1249' MSL. **Rwy 29**, railroad 349' from departure end of runway, 521' left of centerline, 23' AGL/1212' MSL. Multiple buildings 993' from departure end of runway, 294' right of centerline, 40' AGL/1239' MSL. Trees 1875' from departure end of runway, 791' right of centerline, 100' AGL/1319' MSL. Tank 2251' from departure end of runway, 578' right of centerline, 125' AGL/1315' MSL.

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## MIDDLETOWN, OH

MIDDLETOWN RGNL/HOOK FIELD (MWO)

AMDT 1 09295 (FAA)

TAKE-OFF MINIMUMS: **Rwys 8, 23, 300-1.****Rwy 26, 400-1.**DEPARTURE PROCEDURE: **Rwys 5, 8, 23, 26,** climb on runway heading to 1700' before proceeding on course.

## MILLERSBURG, OH

HOLMES COUNTY (10G)

AMDT 1 10154 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9, 27, 300-1.**NOTE: **Rwy 9,** trees beginning 520' from DER, 4' right of centerline, up to 80' AGL/1239' MSL. **Rwy 27,** pole 507' from DER, 251' right of centerline, 34' AGL/1251' MSL.

## MONTICELLO, IN

WHITE COUNTY (MCX)

AMDT 2 85101 (FAA)

TAKE-OFF MINIMUMS: **Rwy 36,** 600-1 or std. with a min. climb of 250' per NM to 1300.

## MT. GILEAD, OH

MORROW COUNTY (4I9)

AMDT 1 83048

TAKE-OFF MINIMUMS: **Rwys 10, 28, 300-1.**

## MT. VERNON, OH

KNOX COUNTY (4I3)

ORIG 09015 (FAA)

NOTE: **Rwy 28,** trees 2121' from departure end of runway, 361' right of centerline, 47' AGL/1246' MSL.

## MUNCIE, IN

DELAWARE COUNTY RGNL (MIE)

AMDT 3 06271 (FAA)

NOTE: **Rwy 2,** multiple trees beginning 888' from departure end of runway, 412' right of centerline, up to 47' AGL/980' MSL. Tree and towers beginning 2554' from departure end of runway, 46' left of centerline, up to 113' AGL/1046' MSL. **Rwy 14,** tree 2061' from departure end of runway, 1004' right of centerline, 69' AGL/1005' MSL. **Rwy 20,** tree 1463' from departure end of runway, 564' left of centerline, 82' AGL/1019' MSL. Multiple trees beginning 1119' from departure end of runway, 171' right of centerline, up to 62' AGL/999' MSL. **Rwy 32,** multiple bushes beginning 86' from departure end of runway, 447' left of centerline, up to 12' AGL/940' MSL.

## NAPPANEE, IN

NAPPANEE MUNI (C03)

AMDT 1 81036 (FAA)

TAKE-OFF MINIMUMS: **Rwy 9, 300-1.**

## NEW LEXINGTON, OH

PERRY COUNTY (I86)

ORIG 84243 (FAA)

TAKE-OFF MINIMUMS: **Rwys 8, 26, 300-1.**

## NEW PHILADELPHIA, OH

HARRY CLEVER FIELD (PHD)

TAKE-OFF MINIMUMS: **Rwys 11, 29, 600-1. Rwy 14,** 500-1 or std. with a min. climb to 330' per NM to 1600. **Rwy 32,** 500-1 or std. with a min. climb 380' per NM to 1600.DEPARTURE PROCEDURE: **Rwys 11, 14, 29, 32,** climb runway heading to 1600 before turning.

## NEWARK, OH

NEWARK-HEATH (VTA)

AMDT 2 08213 (FAA)

TAKE-OFF MINIMUMS: **Rwy 9,** 600-3 or std. w/min. climb of 354' per NM to 1800.DEPARTURE PROCEDURE: **Rwy 9,** climb heading 093° to 1800 before proceeding on course.NOTE: **Rwy 9,** Vehicle road 306' from departure end of runway, 164' right of centerline, 15' AGL/894' MSL.

Trees beginning 2.2 NM from departure end of runway, 1906' right of centerline, 100' AGL/1159' MSL.

## NORTH VERNON, IN

NORTH VERNON (OVO)

ORIG 09239 (FAA)

NOTE: **Rwy 5,** tree 1866' from DER, 690' left of centerline, 62' AGL/821' MSL. Tree 428' from DER, 516' right of centerline, 22' AGL/781' MSL. **Rwy 15,** fence beginning 259' from DER, crossing left to right, 11' AGL/765' MSL. Trees beginning 469' from DER, 100' left of centerline, up to 115' AGL/864' MSL. Tree 1509' from DER, 472' right of centerline, 59' AGL/818' MSL. **Rwy 23,** trees beginning 1856' from DER, 94' left of centerline, up to 93' AGL/842' MSL. Tree 3348' from DER 675' right of centerline, 97' AGL/846' MSL. **Rwy 33,** fence beginning 304' from DER, 138' left of centerline, 11' AGL/761' MSL. Tree 2592' from DER, 596' left of centerline, 90' AGL/839' MSL. Power pole 751' from DER, 102' right of centerline, 25' AGL/774' MSL.

## NORWALK, OH

NORWALK-HURON COUNTY (5A1)

AMDT 1 83286 (FAA)

TAKE-OFF MINIMUMS: **Rwys 10, 28, 300-1.**

## OTTAWA, OH

PUTNAM COUNTY (OWX)

ORIG 09239 (FAA)

NOTE: **Rwy 9,** trees 1342' from DER, 578' right of centerline, 100' AGL/854' MSL. Tree 1978' from DER, 5' left of centerline, 50' AGL/814' MSL. **Rwy 27,** road 1' from DER, 219' right of centerline, 15' AGL/768' MSL. Multiple trees and pole beginning 1606' from DER, 303' left of centerline, up to 100' AGL/854' MSL.

## OXFORD, OH

MIAMI UNIVERSITY (OXD)

AMDT 1 96312 (FAA)

TAKE-OFF MINIMUMS: **Rwys 5, 23, 300-1.**

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## PAINESVILLE, OH

CONCORD AIRPARK (2G1)  
AMDT 2 06159 (FAA)

TAKE-OFF MINIMUMS: **Rwy 20**, 400-1¾ or std. w/ a min. climb of 310' per NM to 1500.

NOTE: **Rwy 2**, numerous trees beginning 503' from departure end of runway, 146' left of centerline, up to 100' AGL/1039' MSL. **Rwy 20**, numerous trees beginning 544' from departure end of runway, 25' right of centerline, up to 200' AGL/1349' MSL. Tower 1.2 NM from departure end of runway, 2020' right of centerline, 114' AGL/1223' MSL.

## PERU, IN

PERU MUNI (I76)  
AMDT 3 07018 (FAA)

NOTE: **Rwy 1**, multiple trees beginning 2201' from departure end of runway, 321' left of centerline, 100' AGL/879' MSL. Road plus vehicle beginning 407' from departure end of runway, 1524' right of centerline, 15' AGL/794' MSL. Trees beginning 1656' from departure end of runway, 815' right of centerline, 100' AGL/879' MSL. **Rwy 19**, multiple trees beginning 44' from departure end of runway, 204' left of centerline, 100' AGL/869' MSL. Multiple trees beginning 588' from departure end of runway, 134' right of centerline, 100' AGL/859' MSL.

## PHILLIPSBURG, OH

PHILLIPSBURG (3I7)  
TAKE-OFF MINIMUMS: **Rwy 21**, 300-1.

## PLYMOUTH, IN

PLYMOUTH MUNI (C65)  
ORIG 74199 (FAA)  
TAKE-OFF MINIMUMS: **Rwys 10, 28**, 300-1.

## PORT CLINTON, OH

CARL R. KELLER FIELD (PCW)  
AMDT 6 09183 (FAA)

TAKE-OFF MINIMUMS: **Rwy 27**, std. w/ min. climb of 250' per NM to 1600 or 1000-2½ for climb in visual conditions. DEPARTURE PROCEDURE: **Rwy 27**, for climb in visual conditions: cross Carl R Keller Field at or above 1400 MSL before proceeding on course.

NOTE: **Rwy 9**, multiple trees and poles beginning 417' from DER, 398' left of centerline, up to 78' AGL/668' MSL. Multiple trees and poles beginning 407' from DER, 550' right of centerline, up to 67' AGL/657' MSL. **Rwy 18**, multiple trees beginning 626' from DER, 424' left of centerline, up to 100' AGL/684' MSL. Trees 511' from DER, 471' right of centerline, 100' AGL/684' MSL. Vehicles on road 475' from DER, 31' right of centerline, 15' AGL/604' MSL. **Rwy 27**, multiple trees beginning 1210' from DER, 176' left of centerline, up to 65' AGL/650' MSL. Pole 1066' from DER, 609' right of centerline, 35' AGL/620' MSL. Multiple trees beginning 2558' from DER, 311' right of centerline, up to 91' AGL/676' MSL. **Rwy 36**, trees 558' from DER, 406' left of centerline, 100' AGL/684' MSL. Trees 770' from DER, 564' right of centerline, 100' AGL/679' MSL. Trees 5097' from DER, 1661' right of centerline, 100' AGL/719' MSL.

## PORTLAND, IN

PORTLAND MUNI (PLD)  
ORIG 08213 (FAA)

TAKE-OFF MINIMUMS: **Rwys 18, 36**, NA - Turf runways.

NOTE: **Rwy 9**, multiple trees beginning 2290' from departure end of runway, 517' right of centerline, up to 100' AGL/1029' MSL. Multiple trees beginning 2843' from departure end of runway, 36' left of centerline, up to 100' AGL/1029' MSL. **Rwy 27**, barn 1082' from departure end of runway, 572' right of centerline, 34' AGL/945' MSL. Multiple trees beginning 263' from departure end of runway, 551' left of centerline, up to 100' AGL/1019' MSL.

## PORTSMOUTH, OH

GREATER PORTSMOUTH RGNL (PMH)  
AMDT 2 91262 (FAA)

DEPARTURE PROCEDURE: **Rwy 18**, climb heading 170° to 1200 before proceeding on course.

## RENSSELAER, IN

JASPER COUNTY (RZL)  
AMDT 1 88014 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9, 18, 27, 36**, 300-1. DEPARTURE PROCEDURE: **Rwys 9, 18, 27, 36**, climb to 1100 on runway heading before proceeding on course.

## RICHMOND, IN

RICHMOND MUNI (RID)  
ORIG 09183 (FAA)

TAKE-OFF MINIMUMS: **Rwys 10, 28**, NA - Environmental.

NOTE: **Rwy 15**, tree 2970' from DER, 198' right of centerline, 86' AGL/1226' MSL. **Rwy 24**, road and antenna beginning 298' from DER, 7' right of centerline, up to 22' AGL/1156' MSL. Trees beginning 1185' from DER, 529' left of centerline, up to 40' AGL/1174' MSL. Obstruction light on localizer 300' from DER, on centerline, 8' AGL/1142' MSL. **Rwy 33**, trees beginning 515' from DER, 283' right of centerline, up to 48' AGL/1175' MSL. Antenna and trees beginning 1041' from DER, 141' left of centerline, up to 71' AGL/1198' MSL.

## ROCHESTER, IN

FULTON COUNTY (RCR)  
ORIG 08269 (FAA)

NOTE: **Rwy 11**, terrain 469' right of centerline, 797' MSL.

Trees beginning 619' from departure end of runway, 181' right of centerline, up to 105' AGL/894' MSL. Trees beginning 2534' from departure end of runway, 27' left of centerline, up to 97' AGL/886' MSL. **Rwy 29**, pole 1' from departure end of runway, 480' left of centerline, 28' AGL/817' MSL. Pole 195' from departure end of runway, 460' left of centerline, 28' AGL/817' MSL. Pole 524' from departure end of runway, 503' left of centerline, 33' AGL/823' MSL. Vehicle on road 578' from departure end of runway, 100' left of centerline, 15' AGL/804' MSL. Vent on building 890' from departure end of runway, 262' left of centerline, 23' AGL/812' MSL. Trees beginning 614' from departure end of runway, 355' left of centerline, up to 87' AGL/876' MSL. Vent on building 229' from departure end of runway, 525' right of centerline, 40' AGL/829' MSL. Pole 843' from departure end of runway, 94' right of centerline, 23' AGL/812' MSL. Trees beginning 883' from departure end of runway, 152' right of centerline, up to 103' AGL/892' MSL.

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## ST. CLAIRSVILLE, OH

ALDERMAN (2P7)  
AMDT 2 91010 (FAA)

TAKE-OFF MINIMUMS: **Rwys 1, 19**, 300-1.  
DEPARTURE PROCEDURE: **Rwys 1, 19**, climb on  
runway heading to 1800 before proceeding on course.

## SALEM, OH

SALEM AIRPARK, INC (38D)  
AMDT 1 97058 (FAA)

DEPARTURE PROCEDURE: **Rwys 10, 28**, climb  
runway heading to 2200 before turning south.

## SANDUSKY, OH

GRIFFING-SANDUSKY (SKY)  
AMDT 1 81162 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9, 18, 27**, 300-1.

## SEBRING, OH

TRI-CITY (3G6)  
ORIG 76036 (FAA)

DEPARTURE PROCEDURE: **Rwys 17, 35**, climb  
runway heading to 3000 before turning east.

## SEYMOUR, IN

FREEMAN MUNI (SER)  
ORIG 07130 (FAA)

DEPARTURE PROCEDURE: **Rwy 5**, climb heading  
046° to 1100 before turning left. **Rwy 14**, climb heading  
136° to 1100 before turning right.

NOTE: **Rwy 5**, multiple trees beginning 845' from  
departure end of runway, 523' left of centerline, up to 90'  
AGL/669' MSL. Multiple towers beginning 2870' from  
departure end of runway, 1231' left of centerline, up to  
73' AGL/657' MSL. Multiple trees beginning 1035'  
from departure end of runway, 691' right of centerline,  
up to 73' AGL/652' MSL. **Rwy 14**, multiple trees  
beginning 2285' from departure end of runway, 309'  
right of centerline, up to 78' AGL/657' MSL. **Rwy 32**,  
multiple trees beginning 2339' from departure end of  
runway, 383' left of centerline, up to 63' AGL/662' MSL.

## SHELBY, OH

SHELBY COMMUNITY (12G)  
AMDT 1 83076 (FAA)

TAKE-OFF MINIMUMS: **Rwys 3, 18, 21, 36**, 300-1.

## SHELBYVILLE, IN

SHELBYVILLE MUNI (GEZ)  
AMDT 4A 10070 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9, 27** NA-  
Environmental.

DEPARTURE PROCEDURE: **Rwy 1**, climb runway  
heading to 1400 before turning west on course.  
**Rwys 9, 19**, climb runway heading to 1300 before  
turning on course. **Rwy 27**, climb to 1500 on heading  
240° before turning north on course.

## SIDNEY, OH

SIDNEY MUNI (112)  
AMDT 2 91038 (FAA)

TAKE-OFF MINIMUMS: **Rwys 5, 10, 23**, 300-1. **Rwy 28**,  
300-1 or std. with a min. climb of 350' per NM to 1300.

## SOUTH BEND, IN

SOUTH BEND RGNL (SBN)  
AMDT 9 09239 (FAA)

TAKE-OFF MINIMUMS: **Rwy 27R**, 300-1½ or std. w/min.  
climb of 240' per NM to 1100. Alternatively, with standard  
take-off minimums and a normal 200'/NM climb gradient,  
take-off must occur no later than 1800' prior to DER.  
DEPARTURE PROCEDURE: **Rwy 9R**, climb heading  
092° to 2000 before turning South. **Rwy 18**, climb heading  
182° to 2000 before turning East.

NOTE: **Rwy 9L**, tree 1226' from DER, 367' left of  
centerline, 60' AGL/831' MSL. Tree 1332' from DER, 93'  
right of centerline, 50' AGL/822' MSL. Transmission tower  
2159' from DER, 392' left of centerline, 117' AGL/872'  
MSL. **Rwy 18**, powerline and fence 199' from DER, left  
and right of centerline, up to 20' AGL/775' MSL. Multiple  
trees and poles beginning 684' from DER, from 829' left to  
720' right of centerline, up to 80' AGL/849' MSL. **Rwy 27L**,  
light pole 665' from DER, 479' left of centerline, 22' AGL/  
810' MSL. Trees beginning 1190' from DER, from 948'  
left to 900' right of centerline, up to 100' AGL/923' MSL.  
**Rwy 27R**, tree 207' from DER, 502' right of centerline, 60'  
AGL/849' MSL. Tree 1541' from DER, 93' left of  
centerline, 60' AGL/850' MSL. Transmission tower 5542'  
from DER, 1922' right of centerline, 100' AGL/954' MSL.  
**Rwy 36**, terrain 98' from DER, 390' left of centerline, 803'  
MSL. Barricade 130' from DER, 418' right of centerline, 10'  
AGL/807' MSL. Trees beginning 340' from DER, 332'  
right of centerline, up to 36' AGL/815' MSL. Tree 2726'  
from DER, 443' left of centerline, 60' AGL/867' MSL.

## SPRINGFIELD, OH

SPRINGFIELD-BECKLEY MUNI (SGH)  
ORIG 08157 (FAA)

NOTE: **Rwy 6**, Trees beginning 642' from departure end of  
runway, 664' left of centerline, up to 96' AGL/1133' MSL.  
Tree 66' from departure end of runway, 514' right of  
centerline, 27' AGL/1064' MSL. **Rwy 15**, Multiple trees  
beginning 1357' from departure end of runway, 160' left of  
centerline, up to 86' AGL/1127' MSL. Tree 1763' from  
departure end of runway, 410' right of centerline, 51' AGL/  
1092' MSL. **Rwy 24**, Trees beginning 1387' from  
departure end of runway, 66' left of centerline, up to 58'  
AGL/1109' MSL. Windsock 1' from departure end of  
runway, 228' right of centerline, 20' AGL/1071' MSL. **Rwy 33**,  
Tree 183' from departure end of runway, 438' right of  
centerline, 24' AGL/1066' MSL.

## STEUBENVILLE, OH

JEFFERSON COUNTY AIRPARK (2G2)  
ORIG 00055 (FAA)

DEPARTURE PROCEDURE: **Rwy 14**, climb runway  
heading to 2200 before turning north.

## SULLIVAN, IN

SULLIVAN COUNTY (SIV)  
AMDT 1 99364 (FAA)

TAKE-OFF MINIMUMS: **Rwys 18, 36**, 200-1 or std. with a  
min. climb of 320' per NM to 1800.  
DEPARTURE PROCEDURE: **Rwy 18**, climb runway  
heading to 1500 before turning west on course. **Rwys 18, 36**,  
climb runway heading to 1800 before turning east  
on course.

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## TELL CITY, IN

PERRY COUNTY MUNI (TEL)

AMDT 1 95145 (FAA)

TAKE-OFF MINIMUMS: **Rwy 31**, 300-1.

## TERRE HAUTE, IN

SKY KING (3I3)

AMDT 2 84075 (FAA)

TAKE-OFF MINIMUMS: **Rwys 8, 18**, 300-1.DEPARTURE PROCEDURE: **Rwy 26**, climb to 1400 on runway heading before turning south. **Rwy 18**, climb to 1400 on runway heading before turning west.

TERRE HAUTE INTL-HULMAN FIELD (HUF)

ORIG 08213 (FAA)

NOTE: **Rwy 5**, Terrain beginning 118' from departure end of runway, left and right of centerline, 0' AGL/591' MSL. Floodlight 967' from departure end of runway, 673' right of centerline, 32' AGL/621' MSL. Trees beginning 2019' from departure end of runway, 317' left of centerline, up to 100' AGL/689' MSL. Tree 3340' from departure end of runway, 533' right of centerline, 79' AGL/668' MSL. **Rwy 14**, trees beginning 1266' from departure end of runway, 570' left of centerline, up to 100' AGL/689' MSL. Trees beginning 1,520' from departure end of runway 462' right of centerline, up to 100' AGL/689' MSL. Powerlines 3084' from departure end of runway, left and right of centerline, 98' AGL/682' MSL. **Rwy 18**, terrain beginning 84' from departure end of runway, left and right of centerline, 0' AGL/581' MSL. Trees beginning 3040' from departure end of runway, 192' left of centerline, up to 66' AGL/655' MSL. **Rwy 23**, trees beginning 412' from departure end of runway, 537' left of centerline, up to 34' AGL/593' MSL. Tree 1201' from departure end of runway, 376' right of centerline, 38' AGL/607' MSL. **Rwy 32**, trees and a pole beginning 397' from departure end of runway, 308' left of centerline, up to 82' AGL/651' MSL. Tree 1195' from departure end of runway 544' left of centerline, 68' AGL/637' MSL. Trees beginning 2597' from departure end of runway, 340' right of centerline, up to 100' AGL/669' MSL. **Rwy 36**, trees beginning 1580' from departure end of runway, 120' right of centerline, up to 100' AGL/669' MSL, trees beginning 2475' from departure end of runway, 153' left of centerline, up to 102' AGL/671' MSL.

## TIFFIN, OH

SENECA COUNTY (16G)

AMDT 2 09183 (FAA)

NOTE: **Rwy 6**, multiple trees and buildings beginning 2' from DER, 186' right of centerline, up to 98' AGL/868' MSL. Antenna 129' from DER, 438' left of centerline, 66' AGL/836' MSL. Pole 408' from DER, 477' left of centerline, 39' AGL/809' MSL. Vehicle on road 501' from DER, 414' left of centerline, 26' AGL/796' MSL. Trees 2421' from DER, 207' left of centerline, 83' AGL/853' MSL. **Rwy 24**, multiple trees beginning 27' from DER, 280' left of centerline, up to 124' AGL/904' MSL. Building 1291' from DER, 528' left of centerline, 44' AGL/824' MSL. Multiple trees beginning 1071' from DER, 337' right of centerline, up to 92' AGL/872' MSL. Pole 1460' from DER, 562' right of centerline, 48' AGL/828' MSL.

## TOLEDO, OH

METCALF FIELD (TDZ)

AMDT 2A 07326 (FAA)

TAKE-OFF MINIMUMS: **Rwys 14, 22, 32**, 300-1. **Rwy 4**, 2100-2 or std. with a min. climb of 300' per NM to 2100.DEPARTURE PROCEDURE: **Rwys 14, 22, 32**, climb runway heading to 2000 before turning.NOTE: **Rwy 14**, tree 789' from departure end of runway, 249' left of centerline, 61' AGL/685' MSL.

TOLEDO EXPRESS (TOL)

AMDT 2 89040 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16**, 300-1 or std. with a min. climb of 260' per NM to 1000'.DEPARTURE PROCEDURE: **Rwy 25**, climb runway heading to 1100' before turning.

## UPPER SANDUSKY, OH

WYANDOT COUNTY (56D)

ORIG 80150 (FAA)

TAKE-OFF MINIMUMS: **Rwy 36**, 300-1.

## VALPARAISO, IN

PORTER COUNTY MUNI (VPZ)

ORIG 08045 (FAA)

NOTE: **Rwy 9**, Tree 51' from departure end of runway, 350' right of centerline, 100' AGL/874' MSL. Tree 1219' from departure end of runway, 775' left of centerline, 57' AGL/807' MSL. **Rwy 18**, Tower and multiple trees beginning 140' from departure end of runway, 157' right of centerline, up to 100' AGL/865' MSL. Trees 143' from departure end of runway, 71' left of centerline, 100' AGL/865' MSL. **Rwy 27**, Multiple trees, 1038' from departure end of runway, 308' left of centerline, up to 68' AGL/828' MSL. Sign, 1847' from departure end of runway, 263' right of centerline, 49' AGL/817' MSL. **Rwy 36**, Trees 105' from departure end of runway, 99' right of centerline, 100' AGL/895' MSL. Trees 108' from departure end of runway, 129' left of centerline, 100' AGL/874' MSL.

## VAN WERT, OH

VAN WERT COUNTY (VNW)

AMDT 3 09015 (FAA)

TAKE-OFF MINIMUMS: **Rwy 9**, 300-1¼ or std. w/ min. climb of 306' per NM to 1100. **Rwys 18, 36**, NA-Environmental.NOTE: **Rwy 9**, tower 6084' from departure end of runway, 1963' left of centerline, 170' AGL/955' MSL.

## VERSAILLES, OH

DARKE COUNTY (VES)

AMDT 2A 10154 (FAA)

NOTE: **Rwy 9**, trees 149' from DER, 353' left of centerline up to 50' AGL/1085' MSL. Tower 320' from DER, 326' left of centerline, 30' AGL/1033' MSL. Vehicle on road, 434' from DER, on centerline, 15' AGL/1019' MSL. **Rwy 27**, vehicle on road, 373' from DER, on centerline, 15' AGL/1019' MSL.

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# TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

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## WADSWORTH, OH

WADSWORTH MUNI (3G3)  
AMDT 1 08101 (FAA)

TAKE-OFF MINIMUMS: **Rwy 2**, std. w/ min. climb of 412' per NM to 1700, or 600-2½ with minimum climb of 289' per NM to 1900, or 1100-2½ for climb in visual conditions. **Rwy 10**, std. w/ min. climb of 585' per NM to 1800, or 700-3 with minimum climb of 340' per NM to 1800, or 1100-2½ for climb in visual conditions. **Rwy 20**, 300-1¼ or std. w/ min. climb of 336' per NM to 1300. **Rwy 28**, 400-2½ or std. w/ min. climb of 457' per NM to 1500.

DEPARTURE PROCEDURE: **Rwy 2**, for climb in visual conditions: cross Wadsworth Muni airport at or above 1900 MSL before proceeding on course. **Rwy 10**, for climb in visual conditions: cross Wadsworth Muni airport at or above 1900 MSL before proceeding on course. **Rwy 28**, climb heading 277° to 1600 before proceeding on course.

NOTE: **Rwy 2**, vehicle on road 23' from departure end of runway, 404' right of centerline, 15' AGL/994' MSL. Powerline 1425' from departure end of runway, left and right of centerline, 40' AGL/1029' MSL. Trees beginning 2947' from departure end of runway, 80' left of centerline, up to 100' AGL/1129' MSL. Trees beginning 4490' from departure end of runway, 119' right of centerline, up to 100' AGL/1249' MSL. **Rwy 10**, trees beginning 2813' from departure end of runway, 245' right of centerline, up to 100' AGL/1289' MSL. Trees beginning 1659' from departure end of runway, 56' left of centerline, up to 100' AGL/1319' MSL. **Rwy 20**, vehicle on road 289' from departure end of runway, left and right of centerline, 15' AGL/994' MSL. Trees beginning 389' from departure end of runway, 194' left of centerline, up to 100' AGL/1079' MSL. Trees beginning 1921' from departure end of runway, 605' right of centerline, up to 100' AGL/1099' MSL. **Rwy 28**, building 249' from departure end of runway, 530' right of centerline, 24' AGL/989' MSL. Trees beginning 169' from departure end of runway, 198' left of centerline, up to 100' AGL/1079' MSL. Trees beginning 3698' from departure end of runway, 9' right of centerline, up to 100' AGL/1299' MSL.

## WAPAKONETA, OH

NEIL ARMSTRONG (AXV)  
AMDT 2 08213 (FAA)

NOTE: **Rwy 8**, vehicle on road, 1' from departure end of runway, 403' right of centerline, 15' AGL/926' MSL. Fence 70' from departure end of runway, 222' right of centerline, 6' AGL/919' MSL. Fence 149' from departure end of runway, 270' left of centerline, 8' AGL/921' MSL. Obstruction light on pole, 348' from departure end of runway, 239' left of centerline, 15' AGL/928' MSL. Building, 614' from departure end of runway, 463' left of centerline, 15' AGL/929' MSL. Trees beginning 2385' from departure end of runway, 51' left of centerline, up to 101' AGL/1014' MSL. Trees beginning 2263' from departure end of runway, 268' right of centerline, up to 75' AGL/988' MSL. **Rwy 26**, obstruction light on DME, 401' from departure end of runway, 268' right of centerline, 9' AGL/922' MSL. Trees beginning 496' from departure end of runway, 51' right of centerline, up to 83' AGL/996' MSL. Trees beginning 563' from departure end of runway, 120' left of centerline, up to 72' AGL/985' MSL. Pole 620' from departure end of runway, 332' left of centerline, 25' AGL/938' MSL. Stack, 3021' from departure end of runway, 577' left of centerline, 125' AGL/1035' MSL. Tower, 3265' from departure end of runway, 729' right of centerline, 149' AGL/1050' MSL.

## WARSAW, IN

WARSAW MUNI (ASW)  
AMDT 1 83272 (FAA)

DEPARTURE PROCEDURE: **Rwy 36**, climb to 1200 on runway heading before turning west.

## WASHINGTON, IN

DAVIESS COUNTY (DCY)  
ORIG 84045 (FAA)

TAKE-OFF MINIMUMS: **Rwy 18**, 300-1.

## WASHINGTON COURT HOUSE, OH

FAYETTE COUNTY (I23)  
AMDT 2 07354 (FAA)

TAKE-OFF MINIMUMS: **Rwy 5**, 300-1¼ or std. w/ min. climb of 268' per NM to 1400.

NOTE: **Rwy 5**, train on railroad tracks 384' from departure end of runway, 243' right of centerline, 23' AGL/997' MSL. Terrain 81' from departure end of runway, 184' left of centerline, 0' AGL/978' MSL. Silo 8848' from departure end of runway, 772' right of centerline, 238' AGL/1213' MSL. **Rwy 23**, train on railroad tracks 509' from departure end of runway, 257' left of centerline, 23' AGL/1003' MSL.

## WAUSEON, OH

FULTON COUNTY (USE)  
AMDT 1 83048 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9, 27**, 300-1.

## WAVERLY, OH

PIKE COUNTY (EOP)  
ORIG-A 07270 (FAA)

TAKE-OFF MINIMUMS: **Rwy 25**, 300-1.

NOTE: **Rwy 7**, building 507' from departure end of runway, 439' right of centerline, 30' AGL/688' MSL. **Rwy 25**, 60' AGL trees 500' from departure end of runway 170' left of centerline.

## WEST UNION, OH

ALEXANDER SALAMON (AMT)  
AMDT 1 90347 (FAA)

TAKE-OFF MINIMUMS: **Rwys 5, 23**, 300-1.

DEPARTURE PROCEDURE: **Rwys 5, 23**, climb straight ahead to 1700 before turning west.

## WILLARD, OH

WILLARD (8G1)  
AMDT 1 81134 (FAA)

TAKE-OFF MINIMUMS: **Rwys 10, 28**, 300-1.

DEPARTURE PROCEDURE: **Rwys 10, 28**, climb runway heading to 1500 before proceeding on course.

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## WILLOUGHBY, OH

WILLOUGHBY LOST NATION MUNI (LNN)  
AMDT 2 06159 (FAA)

DEPARTURE PROCEDURE: **Rwy 10**, climb via heading 099° to 1600 before proceeding on course.  
**Rwy 23**, climb via heading 233° to 1400 before proceeding on course. **Rwy 28**, climb via heading 279° to 1400 before proceeding on course.

NOTE: **Rwy 5**, tree 1453' from departure end of runway, 725' right of centerline, 100' AGL/724' MSL. Building 509' from departure end of runway, 429' right of centerline, 20' AGL/644' MSL. **Rwy 10**, pole 663' from departure end of runway, 64' right of centerline, 52' AGL/675' MSL. **Rwy 23**, tree 634' from departure end of runway, 561' right of centerline, 100' AGL/724' MSL. Stacks 1.8 NM from departure end of runway, 1 NM right of centerline, 600' AGL/1207' MSL. **Rwy 28**, tree 1336' from departure end of runway, 699' left of centerline, 100' AGL/724' MSL, building 1101' from departure end of runway, 337' right of centerline, 35' AGL/661' MSL, stacks 2.1 NM from departure end of runway, 4444' left of centerline, 600' AGL/1207' MSL.

## WILMINGTON, OH

AIRBORNE AIRPARK (ILN)  
ORIG 09239 (FAA)

NOTE: **Rwy 4L**, tree 1032' from DER, 644' right of centerline, 35' AGL/1114' MSL. **Rwy 22L**, tree 2437' from DER, 468' left of centerline, 100' AGL/1134' MSL.

CLINTON FIELD (I66)  
AMDT 2 07186 (FAA)

TAKE-OFF MINIMUMS: **Rwy 3**, 300-1½ or std. w/ a min. climb of 224' per NM to 1300', or alternatively, w/ std. takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1700' prior to departure end of runway.

NOTE: **Rwy 3**, multiple trees beginning 76' from departure end of runway, 76' right of centerline, up to 88' AGL/1137' MSL. Multiple trees beginning 279' from departure end of runway, 140' left of centerline, up to 96' AGL/1105' MSL. Water tank 1 NM from departure end of runway, 554' left of centerline, 176' AGL/1205' MSL. **Rwy 21**, multiple trees beginning 187' from departure end of runway, 509' right of centerline, up to 87' AGL/1111' MSL. Multiple trees beginning 243' from departure end of runway, 214' left of centerline, up to 77' AGL/1086' MSL.

## WOODSFIELD, OH

MONROE COUNTY (4G5)  
AMDT 2 91150 (FAA)

TAKE-OFF MINIMUMS: **Rwy 25**, 300-1.

## WOOSTER, OH

WAYNE COUNTY (BJJ)  
AMDT 1 98169 (FAA)

TAKE-OFF MINIMUMS: **Rwy 28**, 300-1.

## WRIGHT-PATTERSON AFB (KFFO)

DAYTON, OH . . . . . 09295

**Rwy 5R, 200-1½\***  
**Rwy 23R, 400-2½\*\***  
**Rwy 23L, 400-2½\*\*\***

\* Or standard with minimum climb of 240ft/NM to 1100'.

\*\* Or standard with minimum climb of 260ft/NM to 1300'.

\*\*\* Or standard with minimum climb of 210ft/NM to 1300'.

**Rwy 5R**, Climb on track 050° until reaching 1100. TAKE-OFF OBSTACLES: **Rwy 23L**: 43' AGL VORTAC, 850' from DER, 662' right of centerline. **Rwy 5L**: Up to 105' AGL tree line beginning 3000' from DER, 700' right of centerline to 5100' from DER, 1300' left of centerline.

## YOUNGSTOWN, OH

LANSDOWNE (O4G)  
AMDT 2 95145 (FAA)

TAKE-OFF MINIMUMS: **Rwy 2**, 300-1. **Rwy 20**, 1500-2. DEPARTURE PROCEDURE: **Rwy 2**, climb runway heading to 1500 then climbing right turn to 2500 via heading 090° before turning southbound. **Rwy 20**, climb visually over the airport to 2700 or until RADAR contact is established before proceeding south.

## YOUNGSTOWN ELSER METRO (4G4)

AMDT 1 10182 (FAA)

TAKE-OFF MINIMUMS: **Rwy 10**, 300-1½ or std. w/ min. climb of 237' per NM to 1500. **Rwy 28**, 300-1 or std. w/ a min. climb of 463' per NM to 1300.

DEPARTURE PROCEDURE: **Rwy 10**, climb heading 098° to 2000 before proceeding on course. **Rwy 28**, climb heading 278° to 1700 before turning right.

NOTE: **Rwy 10**, vehicle on road 200' from DER, on centerline, 15' AGL/1104' MSL. Hangar and trees beginning 34' from DER, 203' right of centerline, up to 100' AGL/1189' MSL. Trees and tower beginning 283' from DER, 322' left of centerline, up to 138' AGL/1332' MSL. **Rwy 28**, trees on centerline, beginning 3380' from DER, up to 100' AGL/1209' MSL. Trees beginning at DER, 222' right of centerline, up to 100' AGL/1119' MSL. Trees beginning at DER, 191' left of centerline, up to 100' AGL/1119' MSL.

## YOUNGSTOWN-WARREN, OH

YOUNGSTOWN-WARREN RGNL (YNG)  
AMDT 4 90207 (FAA)

TAKE-OFF MINIMUMS: **Rwy 23**, 300-1.

## ZANESVILLE, OH

ZANESVILLE MUNI (ZZV)  
ORIG 03359 (FAA)

NOTE: **Rwy 22**, tree 303' from departure end of runway, 427' left of centerline, 948' MSL. Tree 182' from departure end of runway, 350' right of centerline, 942' MSL. **Rwy 34**, tree 2370' from departure end of runway, 189' left of centerline, 968' MSL. Tree 2309' from departure end of runway, 388' left of centerline, 962' MSL.

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