

**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> |
|-------------------|-------------|--------------|----------------|------------------------------|
| FRG               | FARMINGDALE | NY           | 8              |                              |

**TAKEOFF MINIMUMS:**

RWY 1, 14, 19: STANDARD.

RWY 32: 300-1 5/8 OR STANDARD WITH MINIMUM CLIMB OF 215 FT/NM TO 400 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1500 FEET PRIOR TO DER.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 1: CLIMB ON HEADING 013.18 TO 700 BEFORE TURNING LEFT.

RWY 32: CLIMB ON HEADING 326.25 TO 700 BEFORE TURNING RIGHT.

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

RWY 1: POLE 2 FT FROM DER, 450 FT LEFT OF CENTERLINE, 8 FT AGL/83 FT MSL.

SIGNS BEGINNING 18 FT FROM DER, 140 FT RIGHT OF CENTERLINE, UP TO 3 FT AGL/83 FT MSL.

TREE, BUILDING BEGINNING 31 FT FROM DER, 319 FT RIGHT OF CENTERLINE, UP TO 39 FT AGL/119 FT MSL.

POLE 70 FT FROM DER, 290 FT LEFT OF CENTERLINE, 9 FT AGL/85 FT MSL.

FENCE 73 FT FROM DER, 252 FT LEFT OF CENTERLINE, 11 FT AGL/88 FT MSL.

VEHICLE ON ROAD, POLE BEGINNING 95 FT FROM DER, 268 FT LEFT OF CENTERLINE, UP TO 91 FT MSL.

TREES, POLES, FENCE, VEHICLES ON ROADS BEGINNING 115 FT FROM DER, 252 FT LEFT OF CENTERLINE, UP TO 25 FT AGL/101 FT MSL.

TREE, BUILDING BEGINNING 143 FT FROM DER, 268 FT RIGHT OF CENTERLINE, UP TO 52 FT AGL/132 FT MSL.

TREE, FENCE BEGINNING 203 FT FROM DER, 334 FT RIGHT OF CENTERLINE, UP TO 54 FT AGL/134 FT MSL.

TREES, POLES, FENCE, BUILDINGS, AGRICULTURAL EQUIPMENT BEGINNING 272 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 64 FT AGL/144 FT MSL.

BUILDINGS, TREES, POLES BEGINNING 667 FT FROM DER, 288 FT LEFT OF CENTERLINE, UP TO 33 FT AGL/112 FT MSL.

TREE 915 FT FROM DER, 710 FT LEFT OF CENTERLINE, 54 FT AGL/140 FT MSL.

TREES, POLES, TANK, UTILITY BUILDINGS, ELEVATOR BEGINNING 933 FT FROM DER, 73 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/142 FT MSL.

TREES BEGINNING 2024 FT FROM DER, 43 FT LEFT OF CENTERLINE, UP TO 59 FT AGL/145 FT MSL.

WATER TOWER, TANK BEGINNING 5549 FT FROM DER, 1431 FT LEFT OF CENTERLINE, UP TO 141 FT AGL/230 FT MSL.

RWY 14: SIGN, LIGHT POLES, TERRAIN BEGINNING 13 FT FROM DER, ON AND LEFT OF CENTERLINE, UP TO 3 FT AGL/63 FT MSL.

LIGHT POLES 30 FT FROM DER, 114 FT RIGHT OF CENTERLINE, 4 FT AGL/63 FT MSL.

VEHICLES ON ROAD, FENCE BEGINNING 115 FT FROM DER, 501 FT LEFT OF CENTERLINE, UP TO 74 FT MSL.

VEHICLES ON ROAD, TREE BEGINNING 187 FT FROM DER, 399 FT RIGHT OF CENTERLINE, UP TO 74 FT MSL.

TREES, VEHICLES ON ROAD BEGINNING 270 FT FROM DER, 258 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/105 FT MSL.

TREE 420 FT FROM DER, 319 FT RIGHT OF CENTERLINE, 50 FT AGL/106 FT MSL.

TREE, VEHICLE ON ROAD BEGINNING 441 FT FROM DER, 525 FT LEFT OF CENTERLINE, UP TO 37 FT AGL/93 FT MSL.

TREES, VEHICLE ON ROAD, POLES, SIGN BEGINNING 451 FT FROM DER, 43 FT RIGHT OF CENTERLINE, UP TO 58 FT AGL/112 FT MSL.

TREES BEGINNING 494 FT FROM DER, 421 FT LEFT OF CENTERLINE, UP TO 43 FT AGL/99 FT MSL.

TREES, POLES BEGINNING 684 FT FROM DER, 7 FT LEFT OF CENTERLINE, UP TO 46 FT AGL/104 FT MSL.

TREES BEGINNING 863 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/121 FT MSL.

TREES BEGINNING 1189 FT FROM DER, 33 FT LEFT OF CENTERLINE, UP TO 53 FT AGL/107 FT MSL.

TREES BEGINNING 1255 FT FROM DER, 79 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/109 FT MSL.

TREES BEGINNING 1311 FT FROM DER, 410 FT LEFT OF CENTERLINE, UP TO 58 FT AGL/114 FT MSL.

TREES BEGINNING 1365 FT FROM DER, 487 FT LEFT OF CENTERLINE, UP TO 59 FT AGL/116 FT MSL.

TREES BEGINNING 1410 FT FROM DER, 51 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/117 FT MSL.

TREES BEGINNING 1823 FT FROM DER, 232 FT RIGHT OF CENTERLINE, UP TO 74 FT AGL/124 FT MSL.

TREES BEGINNING 1917 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 73 FT AGL/125 FT MSL.

TREE 2068 FT FROM DER, 267 FT LEFT OF CENTERLINE, 69 FT AGL/120 FT MSL.

TREE 2107 FT FROM DER, 300 FT LEFT OF CENTERLINE, 69 FT AGL/121 FT MSL.

TREES BEGINNING 2134 FT FROM DER, 322 FT LEFT OF CENTERLINE, UP TO 77 FT AGL/129 FT MSL.

RWY 19: FENCE 15 FT FROM DER, 451 FT LEFT OF CENTERLINE, 7 FT AGL/68 FT MSL.

WALL, LIGHT POLES, POLE, FENCE BEGINNING 22 FT FROM DER, 115 FT LEFT OF CENTERLINE, UP TO 13 FT AGL/74 FT MSL.

SIGN, LIGHT POLES BEGINNING 26 FT FROM DER, 115 FT RIGHT OF CENTERLINE, UP TO 2 FT AGL/65 FT MSL.

SIGN 157 FT FROM DER, 520 FT RIGHT OF CENTERLINE, 19 FT AGL/82 FT MSL.

TREES, WALLS, POLES BEGINNING 179 FT FROM DER, 489 FT LEFT OF CENTERLINE, UP TO 42 FT AGL/100 FT MSL.

SIGN, BUILDINGS BEGINNING 489 FT FROM DER, 401 FT RIGHT OF CENTERLINE, UP TO 43 FT AGL/102 FT MSL.

TREE 765 FT FROM DER, 520 FT LEFT OF CENTERLINE, 46 FT AGL/106 FT MSL.

TREES BEGINNING 776 FT FROM DER, 610 FT LEFT OF CENTERLINE, UP TO 48 FT AGL/108 FT MSL.



POLES, TREES BEGINNING 791 FT FROM DER, 207 FT RIGHT OF CENTERLINE, UP TO 49 FT AGL/111 FT MSL.  
TREES BEGINNING 818 FT FROM DER, 509 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/113 FT MSL.  
TREES, POLES, ELECTRICAL SYSTEMS BEGINNING 1149 FT FROM DER, 63 FT LEFT OF CENTERLINE, UP TO 58 FT AGL/116 FT MSL.  
POLES BEGINNING 1219 FT FROM DER, 49 FT RIGHT OF CENTERLINE, UP TO 53 FT AGL/113 FT MSL.  
POLES, TREES, ELECTRICAL SYSTEM BEGINNING 1290 FT FROM DER, 193 FT RIGHT OF CENTERLINE, UP TO 56 FT AGL/115 FT MSL.  
TREE 1448 FT FROM DER, 876 FT RIGHT OF CENTERLINE, 59 FT AGL/117 FT MSL.  
TREES, ELECTRICAL SYSTEM, POLE BEGINNING 1448 FT FROM DER, 5 FT RIGHT OF CENTERLINE, UP TO 63 FT AGL/119 FT MSL.  
TREES BEGINNING 1635 FT FROM DER, 88 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/122 FT MSL.  
TREES, POLES BEGINNING 1648 FT FROM DER, 553 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/127 FT MSL.  
TOWER 2865 FT FROM DER, 317 FT RIGHT OF CENTERLINE, 84 FT AGL/141 FT MSL.

RWY 32: SIGN 12 FT FROM DER, 401 FT LEFT OF CENTERLINE, 4 FT AGL/79 FT MSL.  
SIGN 17 FT FROM DER, 240 FT LEFT OF CENTERLINE, 5 FT AGL/80 FT MSL.  
POLE, VEGETATION BEGINNING 20 FT FROM DER, 242 FT RIGHT OF CENTERLINE, UP TO 11 FT AGL/84 FT MSL.  
VEHICLE ON ROAD, TREE, POLES, VEGETATION, LIGHT POLES, FENCE BEGINNING 33 FT FROM DER, ON CENTERLINE, UP TO 89 FT MSL.  
FENCES BEGINNING 92 FT FROM DER, 474 FT LEFT OF CENTERLINE, UP TO 7 FT AGL/83 FT MSL.  
VEHICLES ON ROAD, FENCES BEGINNING 141 FT FROM DER, 343 FT LEFT OF CENTERLINE, UP TO 93 FT MSL.  
VEGETATION, VEHICLE ON ROAD BEGINNING 184 FT FROM DER, 254 FT RIGHT OF CENTERLINE, UP TO 18 FT AGL/91 FT MSL.  
VEHICLES ON ROAD, SIGNS, POLE, TREE, LIGHT POLES BEGINNING 243 FT FROM DER, 27 FT LEFT OF CENTERLINE, UP TO 95 FT MSL.  
VEGETATION, POLES, LIGHT POLES, VEHICLE ON ROAD BEGINNING 246 FT FROM DER, ON CENTERLINE, UP TO 17 FT AGL/94 FT MSL.  
POLES, VEHICLES ON ROAD, TREES, BUILDINGS BEGINNING 330 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/103 FT MSL.  
TREES, VEHICLES ON ROAD, POLES BEGINNING 368 FT FROM DER, 137 FT RIGHT OF CENTERLINE, UP TO 19 FT AGL/95 FT MSL.  
LIGHT POLES, POLES, VEHICLE ON ROAD, TREE BEGINNING 507 FT FROM DER, ON CENTERLINE, UP TO 20 FT AGL/97 FT MSL.  
TREES, POLE, LIGHT POLES BEGINNING 589 FT FROM DER, 38 FT RIGHT OF CENTERLINE, UP TO 21 FT AGL/98 FT MSL.  
TREES, BUILDING BEGINNING 600 FT FROM DER, 209 FT LEFT OF CENTERLINE, UP TO 38 FT AGL/104 FT MSL.  
TREES BEGINNING 629 FT FROM DER, 257 FT LEFT OF CENTERLINE, UP TO 32 FT AGL/105 FT MSL.  
TREES BEGINNING 705 FT FROM DER, 26 FT LEFT OF CENTERLINE, UP TO 52 FT AGL/118 FT MSL.  
LIGHT POLES, TREES BEGINNING 726 FT FROM DER, ON CENTERLINE, UP TO 28 FT AGL/104 FT MSL.  
SIGN, TREE BEGINNING 946 FT FROM DER, 102 FT RIGHT OF CENTERLINE, UP TO 29 FT AGL/108 FT MSL.  
POLES, TREES BEGINNING 975 FT FROM DER, 21 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/115 FT MSL.  
TREES, POLES BEGINNING 1077 FT FROM DER, 52 FT RIGHT OF CENTERLINE, UP TO 48 FT AGL/117 FT MSL.  
TREES, POLE BEGINNING 1151 FT FROM DER, 19 FT RIGHT OF CENTERLINE, UP TO 55 FT AGL/124 FT MSL.  
TREE 1154 FT FROM DER, 698 FT LEFT OF CENTERLINE, 51 FT AGL/121 FT MSL.  
TREES BEGINNING 1155 FT FROM DER, 10 FT LEFT OF CENTERLINE, UP TO 55 FT AGL/126 FT MSL.  
TREES, POLE BEGINNING 1264 FT FROM DER, 48 FT RIGHT OF CENTERLINE, UP TO 58 FT AGL/125 FT MSL.  
TREES BEGINNING 1294 FT FROM DER, 217 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/133 FT MSL.  
TREES, POLES, BUILDINGS BEGINNING 1350 FT FROM DER, 136 FT LEFT OF CENTERLINE, UP TO 62 FT AGL/135 FT MSL.  
TREES, BUILDING, POLES BEGINNING 1545 FT FROM DER, 89 FT LEFT OF CENTERLINE, UP TO 69 FT AGL/146 FT MSL.  
TREE, POLE BEGINNING 1668 FT FROM DER, 23 FT RIGHT OF CENTERLINE, UP TO 54 FT AGL/131 FT MSL.  
TREES BEGINNING 1891 FT FROM DER, 749 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/135 FT MSL.  
TREE 4185 FT FROM DER, 1222 FT LEFT OF CENTERLINE, 106 FT AGL/184 FT MSL.  
TANK 1.3 NM FROM DER, 1120 FT LEFT OF CENTERLINE, 107 FT AGL/296 FT MSL.

CONTROLLING OBSTACLES:

RWY 1: 551 FT MSL TOWER 404632.29N/0732630.02W (CLIMB-TO ALTITUDE).  
RWY 32: 296 FT MSL TANK 404451.00N/0732647.00W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE) (CEILING) (VISIBILITY), 551 FT MSL TOWER 404632.29N/0732630.02W (CLIMB-TO ALTITUDE).  
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 1, 32: 551 FT MSL TOWER 404632.29N/0732630.02W.

REMARKS:

ORDER 8260.3G, LEGACY ICA USED FOR DESIGN AND EVALUATION

| FLIGHT INSPECTED BY                | OFFICE   | DATE       |         |
|------------------------------------|----------|------------|---------|
| DEVELOPED BY                       | OFFICE   | DATE       |         |
| APRIL SARMENTO (DANIEL R. JOHNSON) | AJV-A432 | 08/11/2026 |         |
| APPROVED BY                        | OFFICE   | DATE       | TITLE   |
| APRIL SARMENTO                     | AJV-A432 | 11/19/2026 | MANAGER |

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

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



**OTHER:** ZNY, N90, FRG TOWER, ARPT MGR

**CHANGES - REASONS:**

1. TAKEOFF MINIMUMS: CHANGED RWY 1 FROM "300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 300, 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" TO "STANDARD" - NEW OBSTACLE EVALUATION.
2. TAKEOFF MINIMUMS: RWY 32 VIS CHANGED FROM "1 3/4" TO "1 5/8" - IAW 8260.3G 3-5-2 A. (2).
3. UPDATED TAKEOFF OBSTACLES NOTES - NEW OBSTACLE EVALUATION, CLEARS NOTAM 5-0501.
4. UPDATED RWY 1 CONTROLLING OBSTACLE FROM "244 FT MSL TANK 404511.46N/0732512.18W" TO "551 FT MSL TOWER 404632.29N/0732630.02W (CLIMB-TO ALTITUDE)" - NEW OBSTACLE EVALUATION.
5. UPDATED RWY 32 CONTROLLING OBSTACLE FROM "296 FT MSL TANK 40451.00N/0732647.00W" TO "296 FT MSL TANK 40451.00N/0732647.00W (CLIMB GRADIENT)(CLIMB GRADIENT TERMINATION ALTITUDE)(CEILING)(VISIBILITY), 551 FT MSL TOWER 404632.29N/0732630.02W (CLIMB-TO ALTITUDE)" - NEW OBSTACLE EVALUATION.
6. CONTROLLING OBSTACLES: ADDED "OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 1, 32: 551 FT MSL TOWER 404632.29N/0732630.02W" - NEW OBSTACLE EVALUATION.

