

# KYIP - Detroit - Willow Run

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## Airport details

|             |                          |
|-------------|--------------------------|
| State       | Michigan                 |
| Country     | United States of America |
| Region      | K5                       |
| Elevation   | 712ft (217m)             |
| Timezone    | GMT -5                   |
| Coordinates | 42.24003, -83.53089      |
| Type        | land                     |
| ICAO code   | KYIP                     |
| IATA code   | YIP                      |
| FAA code    | YIP                      |

## Runway info

|                        |                         |
|------------------------|-------------------------|
| Runway 5R / 23         |                         |
| length                 | 9478836m (31098543ft)   |
| bearing                | 117° / 297°             |
| width                  | 46m (151ft)             |
| surface                | concrete                |
| blast zone             | 61m (200ft) / m (0ft)   |
| Runway 9 / 27          |                         |
| length                 | 2218m (7277ft)          |
| bearing                | 89° / 269°              |
| width                  | 49m (161ft)             |
| surface                | asphalt                 |
| displacement threshold | 176m (577ft) / 0m (0ft) |
| Runway 5L / 23         |                         |
| length                 | 9478998m (31099075ft)   |
| bearing                | 117° / 297°             |
| width                  | 49m (161ft)             |
| surface                | asphalt                 |

## Communication

|                   |         |
|-------------------|---------|
| Willow Run ATIS   | 127.450 |
| Willow Run ATIS   | 127.450 |
| Willow Run ATIS   | 127.450 |
| Willow Run ATIS   | 127.450 |
| Willow Run UNICOM | 122.950 |
| Willow Run UNICOM | 122.950 |
| Willow Run UNICOM | 122.950 |
| Willow Run UNICOM | 122.950 |
| Willow Run GND    | 121.750 |
| Willow Run GND    | 121.750 |

|                            |         |
|----------------------------|---------|
| Willow Run GND             | 121.750 |
| Willow Run GND             | 121.750 |
| Willow Run TWR             | 125.275 |
| Willow Run TWR             | 125.275 |
| Willow Run TWR             | 125.275 |
| Willow Run TWR             | 125.275 |
| Willow Run DETROIT APP/DEP | 118.950 |
| Willow Run DETROIT APP/DEP | 118.950 |
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## Approach frequencies

|           |     |       |         |
|-----------|-----|-------|---------|
| ILS-cat-I | 23L | 109.5 | 18.00mi |
| ILS-cat-I | 05R | 109.5 | 18.00mi |
| 3° GS     | 23L | 109.5 | 18.00mi |
| 3° GS     | 05R | 109.5 | 18.00mi |

## Nearby beacons

| code | identifier                       | dist | bearing | frequency |
|------|----------------------------------|------|---------|-----------|
| DXO  | DETROIT VOR/DME                  | 7.4  | 99.2°   | 113.40    |
| DT   | REVUP (DETROIT) NDB              | 8.4  | 140.4°  | 388       |
| SVM  | SALEM VORTAC                     | 10.5 | 339.5°  | 114.30    |
| CRL  | CARLETON VOR/DME                 | 11.9 | 159°    | 115.70    |
| DM   | SPENC (DETROIT) NDB              | 14.6 | 93.4°   | 223       |
| RYS  | GROSSE ILE (DETROIT) NDB         | 18.7 | 110.1°  | 419       |
| TCU  | TECUMSEH NDB                     | 20   | 239.8°  | 239       |
| PSI  | DME                              | 27.6 | 359.7°  | 111       |
| QG   | WINDSOR NDB                      | 29.7 | 83.7°   | 353       |
| ADG  | ADRIAN NDB                       | 32.9 | 235.9°  | 278       |
| MTC  | SELFRIIDGE (MOUNT CLEMENS) TACAN | 38.2 | 61.9°   | 133.70    |
| TOL  | TOLEDO TACAN                     | 40.6 | 202.5°  | 112.50    |
| JXN  | DME                              | 41.2 | 271.1°  | 115.45    |
| FNT  | FLINT VORTAC                     | 44.6 | 343.4°  | 116.90    |
| TO   | TOPHR (TOLEDO) NDB               | 44.7 | 209.6°  | 219       |
| PCW  | PORT CLINTON NDB                 | 52.4 | 137.4°  | 423       |
| PH   | PHURN (PORT HURON) NDB           | 54.9 | 57.1°   | 332       |

## Departure and arrival routes

|                     |         |
|---------------------|---------|
| Transition altitude | 18000ft |
| Transition level    | 18000ft |

| SID end points | distance | outbound direction |
|----------------|----------|--------------------|
| ALL            |          |                    |
| METRO3         | 42.8     | 31°                |

## RW05 (ALL)

|        |       |      |
|--------|-------|------|
| ZETTR3 | 69.2  | 56°  |
| HHWE3  | 89.5  | 90°  |
| PAVYL2 | 86.8  | 94°  |
| LIDDS2 | 124.9 | 117° |
| CLVIN2 | 200.3 | 191° |
| BARII2 | 114.1 | 206° |
| SNDRS2 | 98.4  | 211° |
| CCOBB2 | 68.9  | 270° |
| KAYLN2 | 116.0 | 275° |
| MIGGY2 | 95.5  | 311° |
| TRMML3 | 88.8  | 355° |

## RW09

|        |       |      |
|--------|-------|------|
| ZETTR3 | 69.2  | 56°  |
| HHWE3  | 89.5  | 90°  |
| PAVYL2 | 86.8  | 94°  |
| LIDDS2 | 124.9 | 117° |
| CLVIN2 | 200.3 | 191° |
| BARII2 | 114.1 | 206° |
| SNDRS2 | 98.4  | 211° |
| CCOBB2 | 68.9  | 270° |
| KAYLN2 | 116.0 | 275° |
| MIGGY2 | 95.5  | 311° |
| TRMML3 | 88.8  | 355° |

## RW23 (ALL)

|        |       |      |
|--------|-------|------|
| ZETTR3 | 69.2  | 56°  |
| HHWE3  | 89.5  | 90°  |
| PAVYL2 | 86.8  | 94°  |
| LIDDS2 | 124.9 | 117° |
| CLVIN2 | 200.3 | 191° |
| BARII2 | 114.1 | 206° |
| SNDRS2 | 98.4  | 211° |
| CCOBB2 | 68.9  | 270° |
| KAYLN2 | 116.0 | 275° |
| MIGGY2 | 95.5  | 311° |
| TRMML3 | 88.8  | 355° |

## RW27

|        |       |      |
|--------|-------|------|
| ZETTR3 | 69.2  | 56°  |
| HHWE3  | 89.5  | 90°  |
| PAVYL2 | 86.8  | 94°  |
| LIDDS2 | 124.9 | 117° |
| CLVIN2 | 200.3 | 191° |
| BARII2 | 114.1 | 206° |
| SNDRS2 | 98.4  | 211° |
| CCOBB2 | 68.9  | 270° |
| KAYLN2 | 116.0 | 275° |
| MIGGY2 | 95.5  | 311° |
| TRMML3 | 88.8  | 355° |

| <b>STAR starting points</b> | <b>distance</b> | <b>inbound direction</b> |
|-----------------------------|-----------------|--------------------------|
| ALL                         |                 |                          |
| PETTE2                      | 37.4            | 79°                      |
| RRALF3                      | 31.2            | 117°                     |
| OKLND1                      | 77.1            | 249°                     |
| FOREY2                      | 45.3            | 295°                     |

## Holding patterns

| <b>STAR name</b> | <b>hold at</b> | <b>type</b> | <b>turn</b> | <b>heading*</b> | <b>altitude</b> | <b>leg</b> | <b>speed limit</b> |
|------------------|----------------|-------------|-------------|-----------------|-----------------|------------|--------------------|
| FOREY2           | FOREY          | VHF         | right       | 144 (324)°      |                 | DME 10.0mi | ICAO rules         |
| PETTE2           | PETTE          | VHF         | left        | 241 (61)°       |                 | DME 10.0mi | ICAO rules         |
| RRALF3           | KILTT          | VHF         | right       | 313 (133)°      |                 | DME 10.0mi | ICAO rules         |

\*) magnetic outbound (inbound) holding course

## Disclaimer

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## To be used with X-Plane simulation only