



**Road Running Technical Council
USA Track & Field
Measurement Certificate**



Name of the course Bird in Hand Half Marathon Distance 21.0975 km
Location (state) PA (city) Bird in Hand
Type of course: Road Race
Measuring Methods: Bicycle
Measured By Marshall Pickard, 240 W. Lemon Street, Lancaster, PA 17603, marshall@2lraceservices.com, 610-301-5792
Race Contact Lowell Ladd, 1144 Cotswold Lane, West Chester, PA 484.319.1185
Date(s) when course measured: 06/01/2023
Number of measurements of entire course: 2 Course Configuration: Loop
Elevation (meters above sea level) Start 109.73 Finish 109.73 Lowest 101.80 Highest 144.78
Straight line distance between start and finish 396.24m Drop 0.00 m/km Separation 1.88 %
Type of surface: Paved 92 % Dirt 0 % Gravel 4 % Grass 4 % Track 0 %
Effective date of certification: June 4, 2023 Certification code: PA23008NP

Note to Race Director: Use this Certification Code
in all public announcements relating to your race.

Be It Officially Noted That

Based on examination of data provided by the above named measurer, the course described above and in the map attached is hereby certified as reasonably accurate in measurement according to the standards adopted by the Road Running Technical Council. If any changes are made to the course, this certification becomes void, and the course must then be recertified.

Verification of Course --- In the event a National Open Record is set on the course, or at the discretion of USA Track & Field, a verification measurement may be required to be performed by a member of the Road Running Technical Council. If such a remeasurement shows the course to be short, then all pending records will be rejected and the course certification will be cancelled.

This certification expires on December 31 of the year: **2033**

AS NATIONALLY CERTIFIED BY:

Date: June 14, 2023

Nathan Porch - USATF/RRTC Certifier - 1309 Park Ave, Ste 4R, Baltimore MD 21217
(856) 803-7678 - Nathanporch@gmail.com





START

N 40° 2' 28.16610"
W 76° 10' 27.98960"
26 ft 10" (193') South of light pole S26 6
Parallel to Utility Pole affixed with permanent Green Half
Marathon Start & Blue 5K Start Signs
South of 338 N Ronks Rd, Bird in Hand PA

FINISH

N 40° 2' 25.25.71070"
W 76° 10' 30.94420 "
Right into meadow just pass gate
Finish 6 feet past 16th pole from street, in line with silo

TURN AROUND

Musser School Rd
N 40° 4' 40.37070"
W 76° 7' 42.480"
3.8° NE (63°) of Cement Curbing for Culvert. Located before
driveway of 622 Musser School Rd.
Marked by Blue Bird on edge of road (Both Sides)

Runners will cross onto
the right side of road when
they turn onto Musser
School Rd and run with
traffic. Travel COUNTER CLOCKWISE &
Resume Running with
traffic until you pass
S. Groffdale Rd

NOTES

Measurement assumes a single runner traveling against the flow
of traffic — **EXCEPT** on Musser School Rd as indicated
Course is restricted to within 3 ft. lane
that extends from the pavement edge
Course is NOT a closed course
Route line represents measurement along the Shortest Possible
Route (SRP)
Mile Markers indicated by a Blue Bird on edge of the road
Map not to scale

Mile 1

Church Rd
N 40° 3' 8.10140"
W 76° 9' 10.10670"

Mile 2

N Weavertown Rd
N 40° 8' 8.10140"
W 76° 9' 10.10670"
29° 10' East (102°) of Utility Pole W-36

Mile 3

W Newport Rd
N 40° 3' 28.34700"
W 76° 8' 23.74050"
15.4° East (111°) of Utility Pole #45053

Mile 4

S. Groffdale Rd
N 40° 3' 42.13040"
W 76° 7' 30.92600"
66° SW (212°) of Mailbox #325

Mile 5

Musser School Rd
N 40° 4' 22.24980"
W 76° 7' 26.42480"
11° 5' E (76°) of 20 MPH Curve Sign

Mile 6

Musser School Rd
N 40° 4' 22.75710"
W 76° 7' 37.29730"
17° 5' W (278°) of 40 MPH Speed Limit Sign

Mile 7

Musser School Rd
N 40° 3' 52.50050"
W 76° 8' 9.82340"
8° 5' from Dead Tree and Evergreen Tree after 899 Musser
School Rd

Mile 8

Hess Rd
N 40° 4' 3.33830"
W 76° 8' 50.56510"
10° NW (335°) of Utility Pole #44843

Mile 9

E Eby Rd
N 40° 4' 31.79000"
W 76° 9' 13.00460"
18° 8' NW (310°) of 20 MPH Curve Sign

Mile 10

E Eby Rd
N 40° 4' 14.78200"
W 76° 10' 10.97570"
50° 1° SE (138°) of Mailbox #17

Mile 11

Red Lane
N 40° 4' 14.75420"
W 76° 10' 10.98570"
Before Crest of Last Hill 265' from end of road
— NO Permanent Marker (Gravel Drive)

Mile 12

Driveway off of Gibbons Rd
N 40° 3' 15.09250"
W 76° 10' 46.20440"
26° 5' SW from corner of fence towards end of drive
— NO Permanent Marker (Private Property)

Mile 13

N Ronks Rd
N 40° 2' 30.97220"
W 76° 10' 28.93680"
12° from white post in the field
96' from Utility Pole #44085/S26208

Turn-by-Turn Course Directions

Race starts heading north on N. Ronks Rd.
Right on Church Rd
Left on N Weavertown Rd
Continue straight on W Newport Rd/772
Left on Scenic Rd
Left on S Groffdale Rd
Right on Musser School Rd
Turnaround
Follow Musser School past S Groffdale Rd & past N Groffdale Rd
Left on E Eby Rd
E Eby becomes W Eby (crossing 772)
Left on Red Ln
Right on Stumptown Rd
Left on Gibbons Rd
Left into drive opposite bakery
Right at end of drive in front of houses
Continue on farm lane onto John Smucker property
Bear left after small silo
Follow driveway around house
Continue on farm lane toward Church Rd
Left on Church Rd
Right on N Ronks Rd
Right into meadow just passed gate
Finish 6 feet past 16th pole from street, in line with silo