



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

Measurement Certificate



Name of the course Bethlehem Running Festival Half Marathon Distance 21.0975 km
 Location (state) PA (city) Bethlehem
 Type of course: Road Race
 Measuring Methods: Bicycle
 Measured By Nathan Porch, 1309 Park Ave, Ste 4R, Baltimore, MD 21217, Nathanporch@gmail.com, 856-803-7678
 Race Contact Michael Ragozzino, info@runegades.com, 203-816-7936
 Date(s) when course measured: 09/20/2023
 Number of measurements of entire course: 2 Course Configuration: Partial Loop
 Elevation (meters above sea level) Start 71.00 Finish 77.00 Lowest 64.00 Highest 116.00
 Straight line distance between start and finish 144m Drop -0.28 m/km Separation 0.68 %
 Type of surface: Paved 100 % Dirt 0 % Gravel 0 % Grass 0 % Track 0 %
 Effective date of certification: September 22, 2023 Certification code: PA23022NP

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: October 5, 2023

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



Mile 1:
 40° 36' 51.15", -75° 22' 43.50"
 On Fahy Bridge heading North
 Even with the North edge of the Riverport Public
 Parking building

Mile 2:
 40° 36' 57.08", -75° 23' 38.61"
 On West Lehigh St heading West
 Even with the door to #806

Mile 3:
 40° 37' 21.04", -75° 24' 16.66"
 On 1st Ave heading North
 Even with North edge of #1601 Broad St.

Mile 4:
 40° 37' 50.67, -75° 24' 36.97"
 On Eaton Ave heading Northeast
 Even with East edge of driveway to house # 1828

Mile 5:
 40° 38' 11.84", -75° 23' 45.73"
 On 8th Ave. heading North
 At the North corner of Jerome St.
 Even with pole #65309/54833

Mile 6:
 40° 38' 31.04", -75° 22' 55.64"
 On Illicks Mill Rd heading Southeast
 55' after pole #VZ11½



Start:
 40°36'52.53", -75°21'56.09"
 On E 1st Street heading West
 A) 28'1" East of light pole with
 "Heritage Trail 74" sign
 B) 7'1/2" West of unmarked lightpole
 C) 169" NE of "City of Bethlehem
 Sanitary Sewar" manhole cover

Finish:
 40° 36' 51.82", -75° 22' 05.03"
 On 1st Ave, approaching from the East
 Even with the center-line of the flaming arch

Mile 7:
 40° 38' 47.02", -75° 22' 53.47"
 On W. Langhorne Ave heading West
 Even with West side of driveway to #135

Mile 8:
 40° 38' 27.84", -75° 22' 53.61"
 On Monocacy Trail heading Southeast
 6' after green park bench

Mile 9:
 40° 37' 53.07", -75° 23' 13.65"
 On Mauch Chunck Rd heading South
 12' after the 4th lightpole on Mauch Chunck

Mile 10:
 40° 37' 9.66", -75° 22' 59.36"
 On Old York Road heading South
 Even with manhole cover that is 20' before the
 "Bark Shed" info board

Mile 11:
 40° 37' 9.11", -75° 22' 23.79"
 On High St. heading South
 Even with door to #418

Mile 12:
 40° 37' 7.38", -75° 21' 33.01"
 On Minisi Trail Bridge heading South
 70' after the 1st lightpole on bridge

Mile 13:
 40° 36' 52.61", -75° 21' 54.85"
 On E. 1st St. heading West
 45' before light pole with
 "Heritage Trail 74" sign