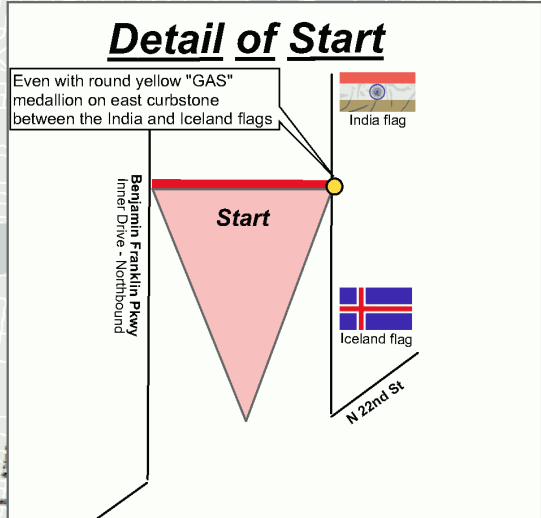
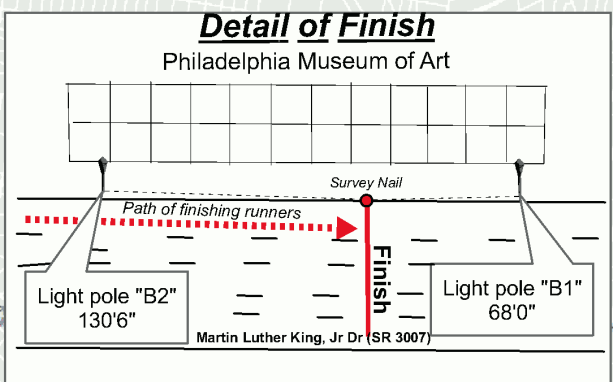


Rock n Roll HALF MARATHON PHILADELPHIA Pennsylvania



USATF Certificate
PA18001JG
Effective: 08/21/2018
through 12/31/2028



Route Description: Start on Benjamin Franklin Parkway (northbound lanes, inner drive) north of N 22nd St. Proceed through Logan Square (north and east sides) to L on Arch St to **M1**, R on N 6th St, R on Market St to **M2**, continuing around Penn Square (East and South) onto S 15th St, L on Market St to **M3**, to R on N 22nd St, R on Arch St, L on N 17th St, L on Benjamin Franklin Parkway (southbound lanes) through Logan Square (south and west sides) to **M4**, continuing to R at southwest side of The Oval (SR 3007), continuing on to Art Museum Dr, L on Pennsylvania Ave, L on Spring Garden St, R on Kelly Dr to **Miles 5-8**, L on Falls Bridge, L on Martin Luther King, Jr Dr to **Miles 9-13** and **Finish** in front of the Philadelphia Museum of Art on Martin Luther King, Jr Dr (SR 3007).



Pre-verified measurement on Aug 18-19, 2018 by Jim Gilmer | IAAF-A
jim.gilmer@gmail.com | 518-852-3562 and Mike Wickiser | IAAF-A



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

Measurement Certificate

recognized by



Name of the course Rock 'n' Roll Philadelphia Half Marathon Distance 21.0975 km
 Location (state) PA (city) Philadelphia
 Type of course: road race calibration course
 Measuring method: bicycle steel tape electronic distance meter
 Measured by (name, address, phone & e-mail) Pre-verified by Jim Gilmer, IAAF-A, 232 Van Wies Point Rd,
12077 Glenmont, NY 12077; 518-852-3562; jim.gilmer@gmail.com; and Mike Wickiser, IAAF-A
 Race contact (name, address, phone & e-mail) Meryl Leventon, ROCK 'N' ROLL MARATHON | IRONMAN
3407 Dr. Martin Luther King Jr. Blvd Suite 100 Tampa, FL 33607; meryl.leventon@ironman.com
 Date(s) when course measured: August 18-19, 2018
 Number of measurements of entire course: 2 Course Configuration: partial loop
 Elevation (meters above sea level) Start 9.14 Finish 14.33 Highest 19.81 Lowest 2.13
 Straight line distance between start & finish 469.32 m Drop -0.25 m/km Separation 2.22 %
 Type of surface: paved 100 % dirt - % gravel - % grass - % track - %
 Effective date of certification: August 21, 2018 Certification code: PA18001JG

Note: This is a pre-verified course measurement.

Notice 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 this course, or at the discretion of USA Track & Field, a verification remeasurement 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 in the year **2028**

AS NATIONALLY CERTIFIED BY:

Digitally signed by Jim Gilmer
DN: cn=Jim Gilmer, o=USATF Road Running Technical Council,
ou=Regional Certifier, New York, email=jim.gilmer@gmail.com, c=US
Date: 2018.08.21 09:43:41 -0400

Date: August 21, 2018

James A. Gilmer, USATF/RRTC Certifier • 232 Van Wies Point Rd., Glenmont, NY 12077-4222
 Phone: 518-852-3562 • Email: jim.gilmer@gmail.com

Point	Description	Lat/Long (DM.m)
Start	On Benjamin Franklin Parkway before N 22nd St. after India flag and before Iceland flag. Point is even with yellow "GAS" marker on east curbstone. Marked with white and orange paint	N39° 57.701167' W75° 10.532167'
M1	On Arch St after N 12th St at #1222; mark is 1' after entrance on R	N39° 57.24267' W75° 9.632'
M2	On Market St after N 9th St at #928 (across street); mark is on R even with east side of door frame at #928 on L	N39° 57.09083' W75° 9.374'
M3	On Market St after N 20th St at #2001 (FedEx Office); mark is even with west side door frame, 4 tiles after light pole and 3 tiles before tree drain on R.	N39° 57.2223' W75° 10.41267'
M4	On Benjamin Franklin Parkway at Logan Square traffic circle (southwest side); mark is directly across from "Do Not Enter" sign at Race St and 16'3" before walkway to center of the square on R	N39° 57.461' W75° 10.268'
M5	On Kelly Dr after Fairmount Ave; mark is 235' after intersection and 62' before storm drain K011 on R	N39° 58.058' W75° 10.886'
M6	On Kelly Dr after stone arch RR overpass; mark is 151" after north side of overpass and 16'3" before light pole F9 on L	N39° 58.635' W75° 11.617'
M7	On Kelly Dr at public parking area; mark is 48'6" after light pole H14 and 43'3" before light pole H15 on L	N39° 59.248' W75° 11.989'
M8	On Kelly Dr at Hunting Park Ave intersection; mark is 5'6" before storm drain at traffic light on L	N39° 59.975' W75° 11.438'
M9	MLK, Jr Dr after turn off Falls Bridge; mark is across from fountain and 32.5' before storm drain W139 on L	N40° 00.436' W75° 11.815'
M10	MLK, Jr Dr after Strawberry Mansion Dr overpass; mark is 43'3" after light pole E08 on L and 21'6" before storm drain W106 on R	N39° 59.721' W75° 11.773'
M11	MLK, Jr Dr before Black Rd; mark is 43'3" after storm drain W061 on L and 48'6" before storm drain W059 on L	N39° 59.005' W75° 12.370'
M12	MLK, Jr Dr after W Girard Ave overpass; mark is 62' storm drain W024 on R and 43'3" before light pole A29 on L	N39° 58.428' W75° 11.619'
M13	MLK, Jr Dr at Schuylkill Trail Connector crosswalk; mark is even with traffic light at crosswalk on L	N39° 57.835' W75° 10.885'
Finish	In front of Philadelphia Museum of Art ("Rocky Steps"); mark (and survey nail in roadway curbside) is at curbstone seam, exactly 130' 6" direct from light pole "B2" on west side and exactly 68'0" before pole "B1" on east side.	N39° 57.877' W75° 10.769'

All points are described as race is run. Marked in white paint unless otherwise noted. Distances describing mile splits are approximate. Miles are not certified.