



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



Name of the course Holiday Half Distance 21.0975 km
Location (state) OR (city) Portland
Type of course: Road Race
Measuring Methods: Bicycle
Measured By Jeff Huber, 7965 SW 135th Ave. Beaverton, OR 97008
Race Contact Sean Rivers, 4020 NE Fremont St. Portland, OR 97212
Date(s) when course measured: 10/28/2018, 11/30/2018, 11/3/2019, 12/2/2019, 11/28/2021
Number of measurements of entire course: 4 Course Configuration: keyhole
Elevation (meters above sea level) Start 11.00 Finish 11.00 Lowest 11.00 Highest 61.00
Straight line distance between start and finish 0m Drop 0.00 m/km Separation 0.00 %
Type of surface: Paved 100 % Dirt 0 % Gravel 0 % Grass 0 % Track 0 %
Effective date of certification: December 10, 2021 Certification code: OR21005LB

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: **2031**

AS NATIONALLY CERTIFIED BY:

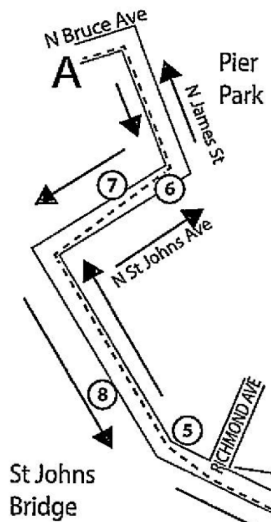
Date: December 10, 2021

Lee Barrett - USATF/RRTC Certifier - 3027 NE 20TH AVE., Portland OR 97212
(503) 867-3836 - cudapdx@bendtel.net



USATF Certificate
 OR21005LB
 Effective: 12/10/2021
 Through: 12/31/2031

Holiday Half Marathon - Swan Island, Portland, OR
21.0975K / 13.109 Miles

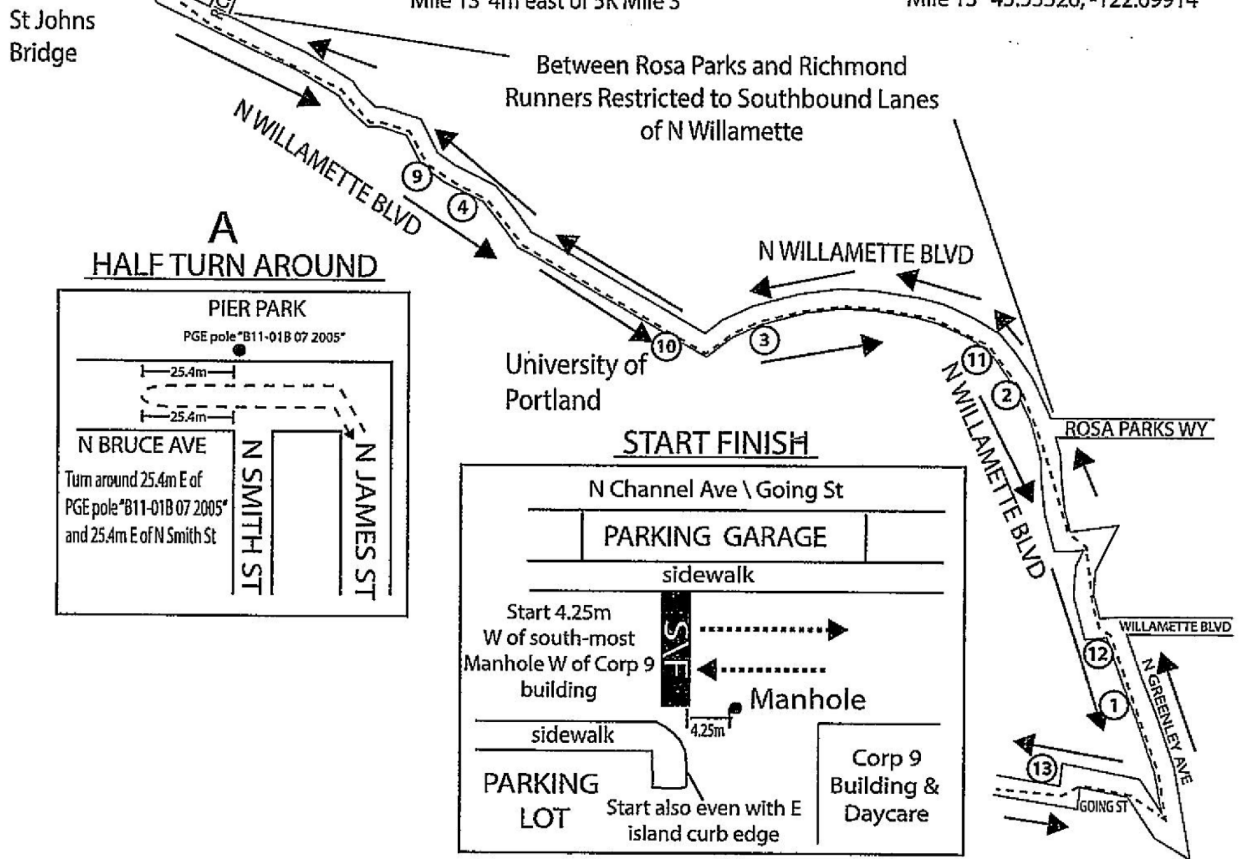


Descriptive Locations

- Mile 1 3.31m N of Pole "A11 21B 86"
- Mile 2 16.2m N of Pole "A11 16B # 401"
- Mile 3 12m W of pole "A1117P # 132"
- Mile 4 Even w house no 6620
- Mile 5 19m W of PGE "11 12 POLE NO 4144"
- Mile 6 Even w center of yellow house garage door (8354 N St Johns Ave)
- Mile 7 Even w sign "SCHOOL SPEED 20 WHEN CHILDREN ARE PRESENT"
- Mile 8 Even with W edge of front door of church (8660 St Johns Ave)
- Mile 9 Between houses 6812 and 6800
- Mile 10 4.1m W of 10K TA
- Mile 11 0.6m S of pole "A11 16B"
- Mile 12 1.18m S of pole A11 21B
- Mile 13 4m east of 5K Mile 3

GPS Coordinates

	SF	TA
Mile 1	45.55544, -122.70143	45.56052, -122.69488
Mile 2	45.57194, -122.70145	45.57388, -122.72028
Mile 3	45.57388, -122.72028	45.58022, -122.73781
Mile 4	45.58022, -122.73781	45.58722, -122.75529
Mile 5	45.58722, -122.75529	45.59756, -122.75794
Mile 6	45.59756, -122.75794	45.60266, -122.75951
Mile 7	45.59838, -122.75596	45.59838, -122.75596
Mile 8	45.58832, -122.75678	45.58127, -122.73952
Mile 9	45.58127, -122.73952	45.57359, -122.72224
Mile 10	45.57359, -122.72224	45.57313, -122.70281
Mile 11	45.57313, -122.70281	45.56199, -122.69572
Mile 12	45.56199, -122.69572	45.55526, -122.69914
Mile 13	45.55526, -122.69914	



Measured by Jeff Huber (World Athletics B) on 10/28/2018,
 11/30/2018, 11/3/2019, 12/2/2019, 11/28/2021
 jeff@hubertiming.com
 Google Map w GPS Pins: <https://tinyurl.com/4n28438c>

Jeff Huber