





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



Name of the course Red, White And Boom! Half Marathon Distance 21.0975km
Location (state) MN (city) Minneapolis
Type of course: road race ☒ calibration course ☐ track ☐
Measuring methods: bicycle ☒ steel tape ☐ electronic distance meter ☐
Measured by (name, address, phone & e-mail) Soren Larson - 1823 Laurel Av #5 - St Paul, MN 55104 - 651 428 5174 - soren.m.larson@gmail.com
Race contact (name, address, phone & e-mail) Ed Wetham - 2635 University Av W #190 - St Paul, MN 55114 651 491 9649 - ed@tcmevents.org
Date(s) when course measured: Jun 21, 2016
Number of measurements of entire course: Two Course Configuration: Keyhole
Elevation (meters above sea level) Start 245 Finish 246 Highest 288 Lowest 234
Straight line distance between start & finish 853m Drop -.047 m/km Separation 4.04 %
Type of surface: paved 100 % dirt % gravel % grass % track %
Effective date of certification: Jun 27, 2016 Certification code: MN16020RR

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 **2026**

AS NATIONALLY CERTIFIED BY:

Date: Jun 27, 2016

Rick Recker - USATF/RRTC Certifier
19 S 1st St #2203 - 612 375 0805 - rick_recker@hotmail.com