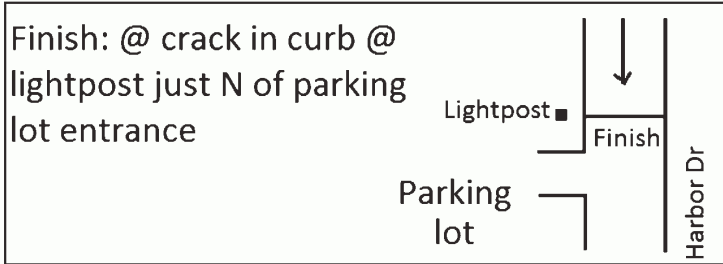


**William A Irvin 5km - Duluth, MN**  
 USATF Certified Course# MN16008RR  
 Measured by Rick Recker on Mar 25, 2016 - 612 375 0805  
 Effective May 12, 2016 - Dec 31, 2026

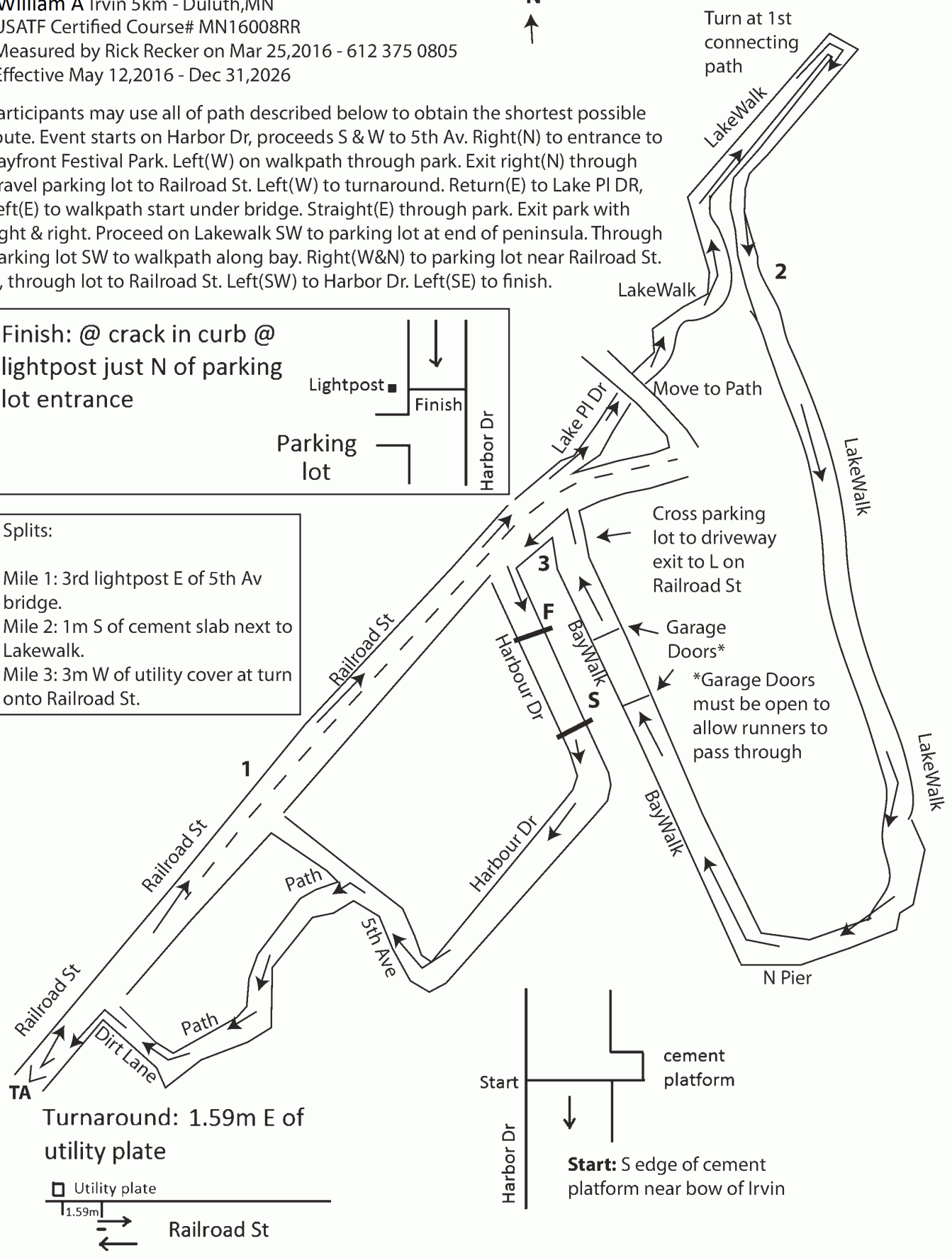


Participants may use all of path described below to obtain the shortest possible route. Event starts on Harbor Dr, proceeds S & W to 5th Av. Right(N) to entrance to Bayfront Festival Park. Left(W) on walkpath through park. Exit right(N) through gravel parking lot to Railroad St. Left(W) to turnaround. Return(E) to Lake PI DR, Left(E) to walkpath start under bridge. Straight(E) through park. Exit park with right & right. Proceed on Lakewalk SW to parking lot at end of peninsula. Through parking lot SW to walkpath along bay. Right(W&N) to parking lot near Railroad St. N, through lot to Railroad St. Left(SW) to Harbor Dr. Left(SE) to finish.

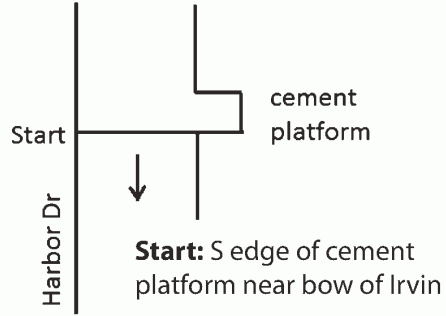
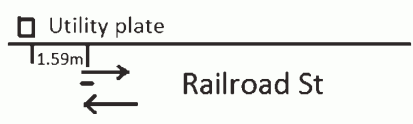


**Splits:**

Mile 1: 3rd lightpost E of 5th Av bridge.  
 Mile 2: 1m S of cement slab next to Lakewalk.  
 Mile 3: 3m W of utility cover at turn onto Railroad St.



**Turnaround: 1.59m E of utility plate**





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

# *Measurement Certificate*

recognized by



Name of the course William A Irvin 5km Distance 5km  
 Location (state) MN (city) Duluth  
 Type of course: road race  calibration course  track   
 Measuring methods: bicycle  steel tape  electronic distance meter   
 Measured by (name, address, phone & e-mail) Rick Recker - IAAF Measurer - 19 S 1st St #2203 - Minneapolis  
MN55401 - 612 375 0805 - rick\_recker@hotmail.com  
 Race contact (name, address, phone & e-mail) Grandma's Marathon - Bx 16234 - Duluth, MN55816 - 218 727  
0947 - grandmas@grandmasmarathon.com  
 Date(s) when course measured: Mar 25, 2016  
 Number of measurements of entire course: Two Course Configuration: Loop  
 Elevation (meters above sea level) Start 184 Finish 184 Highest 204 Lowest 184  
 Straight line distance between start & finish 45m Drop 0 m/km Separation .9 %  
 Type of surface: paved 98.64 % dirt      % gravel 1.36 % grass      % track      %  
 Effective date of certification: May 12, 2016 Certification code: MN16008RR

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:**

*Rick Recker*

Date: May 12, 2016

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