



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



Name of the course Frightening 4K Distance 4 km  
Location (state) FL (city) Vero Beach  
Type of course: Road Race  
Measuring Methods: Bicycle  
Measured By Jacob Smith - 3696 N Wickham Rd - Melbourne, FL 32935 - (386) 747-3532 - jacob@runningzone.com  
Race Contact Jacob Smith - 3696 N Wickham Rd, Melbourne, FL 32935 - 321-751-8890 - jacob@runningzone.com  
Date(s) when course measured: 08/30/2022, 08/31/2022  
Number of measurements of entire course: 2 Course Configuration: keyhole (out/loop/back)  
Elevation (meters above sea level) Start 7.01 Finish 7.01 Lowest 6.71 Highest 7.92  
Straight line distance between start and finish 0 m 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: September 15, 2022 Certification code: FL22030JK

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:*** **2032**

**AS NATIONALLY CERTIFIED BY:**

Date: September 15, 2022

Justin Kuo - USATF/RRTC Certifier - 39 Oakland Rd, Brookline MA 02445  
(617) 487-4463 - jkuo+certifier@usatfne.org

**Frightening 4K**  
Vero Beach, FL

Vero Beach, FL

Map is not to scale.

Points marked with white paint on the pavement.

Runners have use of the entire road.  
No coning is necessary.

### List of Measured Points

Start/Finish - On the access road, east of Brackett Library, 29 feet 3 inches north of the southern edge of the Brackett Library, Building L.

GPS coordinates: 27.634264 -80.456900

Turnaround – On College Lane, 11 feet 4 inches east of the traffic light pole on the northeast corner of the intersection of College Lane and 66<sup>th</sup> Avenue.

GPS coordinates: 27.631724 -80.463169

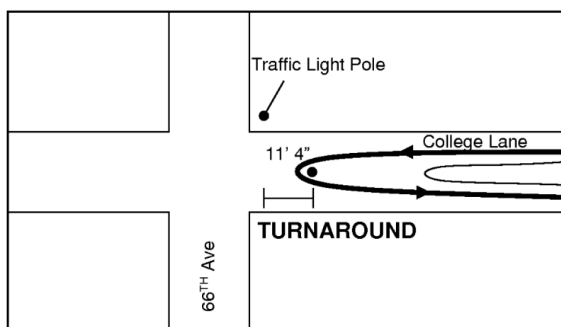
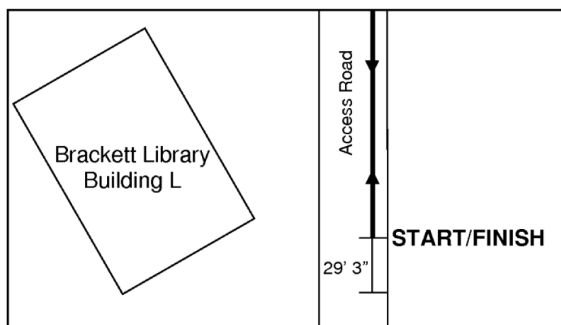
Mile 1 - On College Lane, 1 foot 10 inches west of power pole # 206H14.

GPS coordinates: 27.631682 -80.460064

Mile 2 – In the driveway for Indian River Charter High School, even with the east edge of Building 800.

GPS coordinates: 27.634263 -80.451729

Measured by: Jacob Smith  
Measured on: 08/31/2022  
jacob@runningzone.com  
321-751-8890



# USATF Certificate

FL22030JK

**Effective: 09/15/2022**

**Through:** 12/31/2032

