



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



Name of the course Mora Half Marathon Distance 21.0975 km  
Location (state) MN (city) Mora  
Type of course: Road Race  
Measuring Methods: Bicycle  
Measured By Tim Zbikowski, 11270 East French Lake Road, Maple Grove, MN 55369, timzib123@gmail.com, 763-420-435  
Race Contact Mary Johnson, 2110 Elcliff St., Mora MN 55051, 320-515-1553  
Date(s) when course measured: 08042023  
Number of measurements of entire course: 2 Course Configuration: Point to Point  
Elevation (meters above sea level) Start 309.00 Finish 308.00 Lowest 293.00 Highest 321.00  
Straight line distance between start and finish 91m Drop 0.05 m/km Separation 0.43 %  
Type of surface: Paved 100 % Dirt 0 % Gravel 0 % Grass 0 % Track 0 %  
Effective date of certification: September 5, 2023 Certification code: MN23022JHP

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:*** **2033**

**AS NATIONALLY CERTIFIED BY:**

Date: September 5, 2023

Jane Parks - USATF/RRTC Certifier - 8606 Wiese Rd, Brecksville OH 44141  
(973) 349-0033 - janehp3+ctcert@gmail.com

# Mora Half Marathon

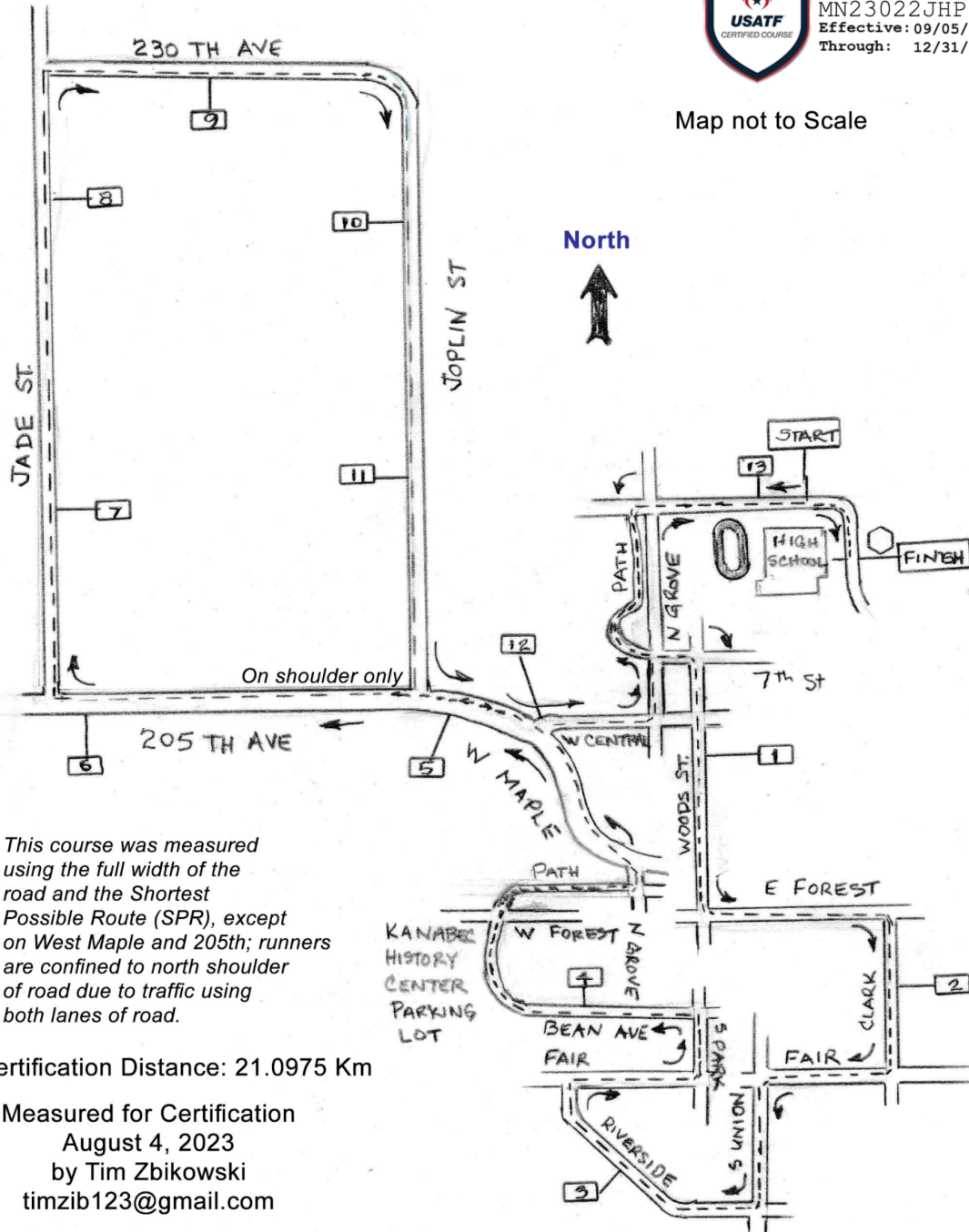
Mora, Minnesota



**USATF Certificate**

MN23022JHP  
Effective: 09/05/2023  
Through: 12/31/2033

Map not to Scale



*This course was measured using the full width of the road and the Shortest Possible Route (SPR), except on West Maple and 205th; runners are confined to north shoulder of road due to traffic using both lanes of road.*

Certification Distance: 21.0975 Km

Measured for Certification  
August 4, 2023  
by Tim Zbikowski  
timzib123@gmail.com

## Location Descriptions Mora Half Marathon

**Start** North of Mora High School on East/West parking lot access road. Even with West edge of second metal storm drain in north curb West of East end of road. Across from light pole on south side of road.

**Mile 1** On Woods Street, even with sidewalk steps for house address 407,

**Mile 2** On Clark Street, 30 feet South of South edge of house address 501.

**Mile 3** On Riverside Street, 10 feet Southeast of SE edge of driveway for address 509.

**Mile 4** On Bean Street, 5 feet East of mailbox for address 712.

**Mile 5** On West Maple Avenue, SE edge of first driveway SE of West Central Avenue.

**Mile 6** On County 6 (205<sup>th</sup> Ave) 255 feet East of County 8 (Jade Street)

**Mile 7** On County 8 (Jade Street) ~100 feet North of Fire Marker address 2144J

**Mile 8** On County 8 (Jade Street) [No permanent nearby features, refer to mile 7 or 9.]

**Mile 9** On 230<sup>th</sup> Avenue, West edge of driveway for address 1947.

**Mile 10** On Joplin Street, even with first telephone pole North of address 2225.

**Mile 11** On Joplin Street, 75 feet North of address 2124.

**Mile 12** On West Central Avenue, 30 feet NE from stop sign for West Maple Avenue.

**Mile 13** On East/West parking lot road N of High School, 10 feet east of road to south.

**Finish** On North/South access road East of High School. 45 feet 4 inches South of light pole directly West from play fields pavilion.