



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

Measurement Certificate



Name of the course 2023 Bismarck Half Marathon Distance 21.098979 km
 Location (state) ND (city) Bismarck
 Type of course: Road Race
 Measuring Methods: Bicycle
 Measured By Mark Momerak, 3619 Mayflower Circle, Bismarck, ND 58504, mmomerak@hotmail.com, 701-226-7798
 Race Contact Patrick Johnson, 1600 Larson Road, Bismarck, ND, 58504, 701-226-0172, patrick@thebismarckmarathon.com
 Date(s) when course measured: 06/26/2023, 06/29/2023
 Number of measurements of entire course: 2 Course Configuration: Out & back, Multiple loops
 Elevation (meters above sea level) Start 546.00 Finish 546.00 Lowest 497.00 Highest 546.00
 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: August 4, 2023 Certification code: ND23010TRR

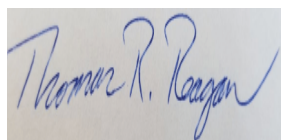
Note to Race Director: Use this Certification Code in all public announcements relating to your race.

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:

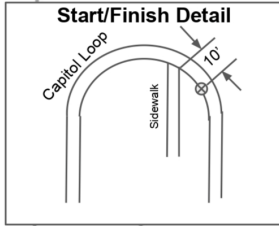
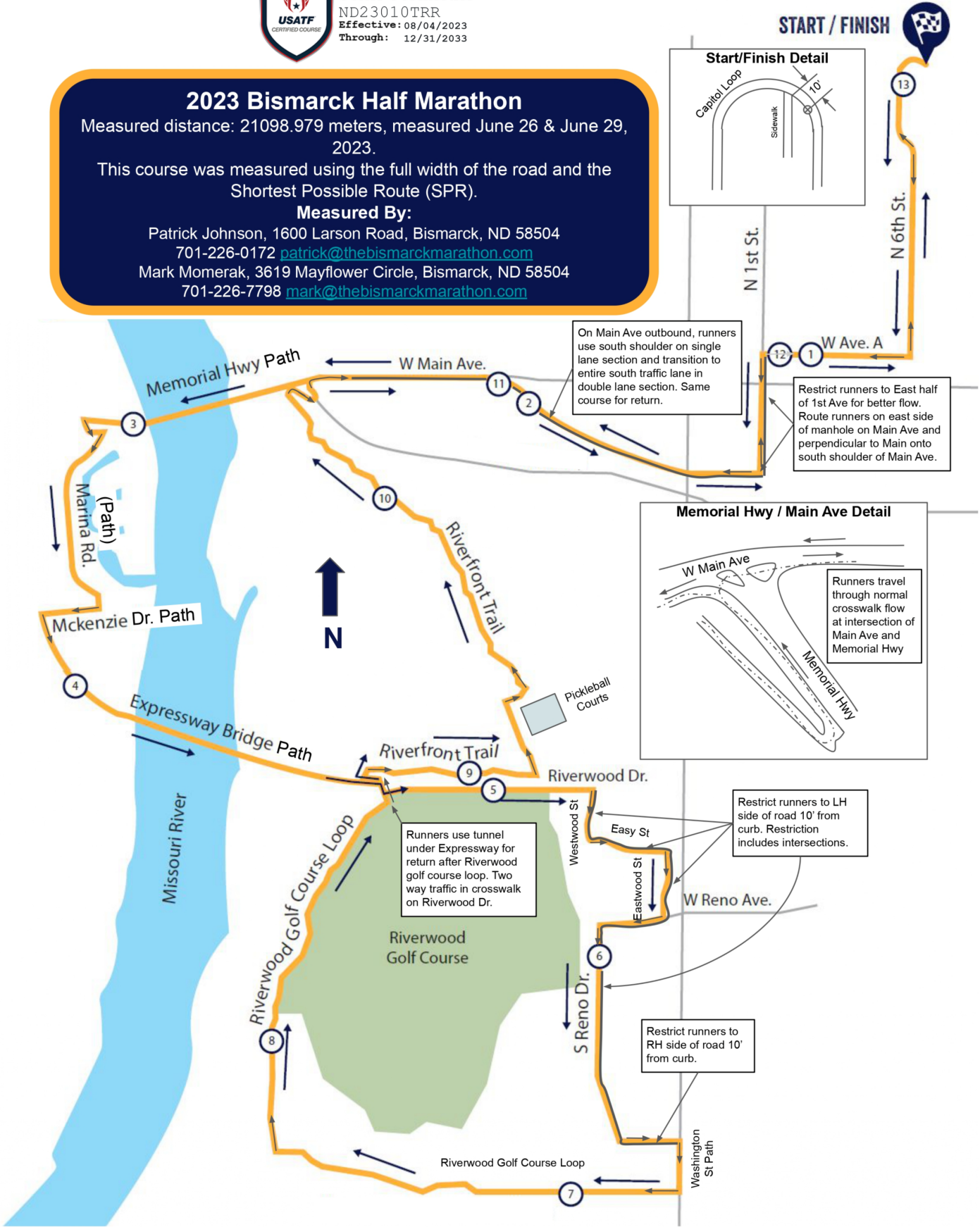
Date: September 5, 2023

Thomas Reagan - USATF/RRTC Certifier - 17515 County Road 6, Wahpeton ND 58075
 (701) 892-4351 - alert4u2@hotmail.com



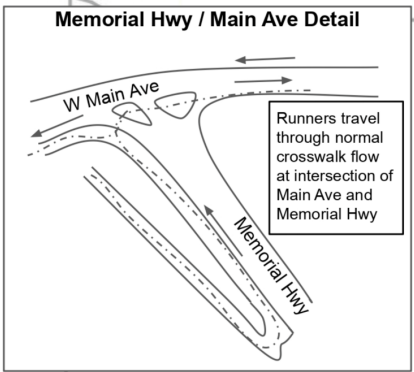
USATF Certificate
ND23010TRR
Effective: 08/04/2023
Through: 12/31/2033

2023 Bismarck Half Marathon
Measured distance: 21098.979 meters, measured June 26 & June 29, 2023.
This course was measured using the full width of the road and the Shortest Possible Route (SPR).
Measured By:
Patrick Johnson, 1600 Larson Road, Bismarck, ND 58504
701-226-0172 patrick@thebismarckmarathon.com
Mark Momerak, 3619 Mayflower Circle, Bismarck, ND 58504
701-226-7798 mark@thebismarckmarathon.com



On Main Ave outbound, runners use south shoulder on single lane section and transition to entire south traffic lane in double lane section. Same course for return.

Restrict runners to East half of 1st Ave for better flow. Route runners on east side of manhole on Main Ave and perpendicular to Main onto south shoulder of Main Ave.



Runners use tunnel under Expressway for return after Riverwood golf course loop. Two way traffic in crosswalk on Riverwood Dr.

Restrict runners to LH side of road 10' from curb. Restriction includes intersections.

Restrict runners to RH side of road 10' from curb.

Course Split Locations

- Start: On capitol loop, 10' southeast from east edge of east concrete walking path at the top of the Capitol loop
- Mile 1: On Avenue A, 27'3" west of fire hydrant located on northwest corner of 3rd Street and Avenue A
- Mile 2: On Main Avenue, 1' west of Speed Limit 40 sign on 7th light pole east of railroad bridge on south side of road
- Mile 3: On Memorial Hwy bridge path, 2' east of closest fence end post located just to the east of the 3rd light pole from the Mandan end of the bridge
- Mile 4: On the Expressway bridge path, Mandan side, located 22'8" southeast of large interstate light pole near 55 MPH sign on roadway, near path by opening in fence in ditch
- Mile 5: On bike path on south side of Riverwood Drive near golf course, 50' east of Bike Route sign located west of entrance to golf course parking lot
- Mile 6: On Reno Ave, 85'1" south of light pole on southeast corner of Reno Ave and Southwood Ave
- Mile 7: On path behind Solheim Elementary School, 337' west of last fence post next to coulee on south side of path, near school parking lot
- Mile 8: On path on the east side of Riverwood Drive, just south of The Pier, directly across from light pole in front of 1306 Riverwood Drive
- Mile 9: On path on the north side of Bismarck Expressway, west of zoo, 3' west of fence post along road, 13th fence pole west of light pole on north side of road, 2nd light pole west of entrance to Riverwood Golf Course entrance -OR- 262' west of curve in road sign near tree line near zoo clearing
- Mile 10: On Sertoma bike path, south side of road for entrance to shelters 10/11 and sand volleyball, 29'2" south of No Motor Vehicles / Stop sign located on east corner of road/path intersection (sign on right as you run toward it)
- Mile 11: On Main Ave, 45'5" west of light pole with Truck Route sign which is the 3rd light pole east of railroad bridge on the south side of the road
- Mile 12: On Avenue A, 39' west of light pole located on the south side of the street, west of 2nd street, next to alley entrance
- Mile 13: On capitol loop, west side of grassy commons area, south of top oval, 27'1" north of edge of sidewalk
- Finish: Same as start