



Road Running Technical Council
USA Track & Field

Measurement Certificate



Name of the course Zeigler Kalamazoo Half Marathon Distance 21.0975 km

Location (state) MI (city) Kalamazoo

Type of course: Road Race

Measuring Methods: Bicycle

Measured By Eric Bartz, 3110 Harvest Ave SW, Grandville, MI, 49418, 616-745-6750, eric.measure@gmail.com

Race Contact Carrie Drake, PO Box 51761, Kalamazoo, MI, 49005, 269-350-4828, director@zeiglerkalamazoomarathon.com

Date(s) when course measured: 3/20/2023, 4/6/2023, 4/8/2023

Number of measurements of entire course: 2 Course Configuration: Keyhole

Elevation (meters above sea level) Start 236.00 Finish 236.00 Lowest 232.00 Highest 285.00

Straight line distance between start and finish 0.00m Drop 0.00 m/km Separation 0.00 %

Type of surface: Paved 99 % Dirt 0 % Gravel 0 % Grass 1 % Track 0 %

Effective date of certification: April 19, 2023 Certification code: MI23004MN

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**

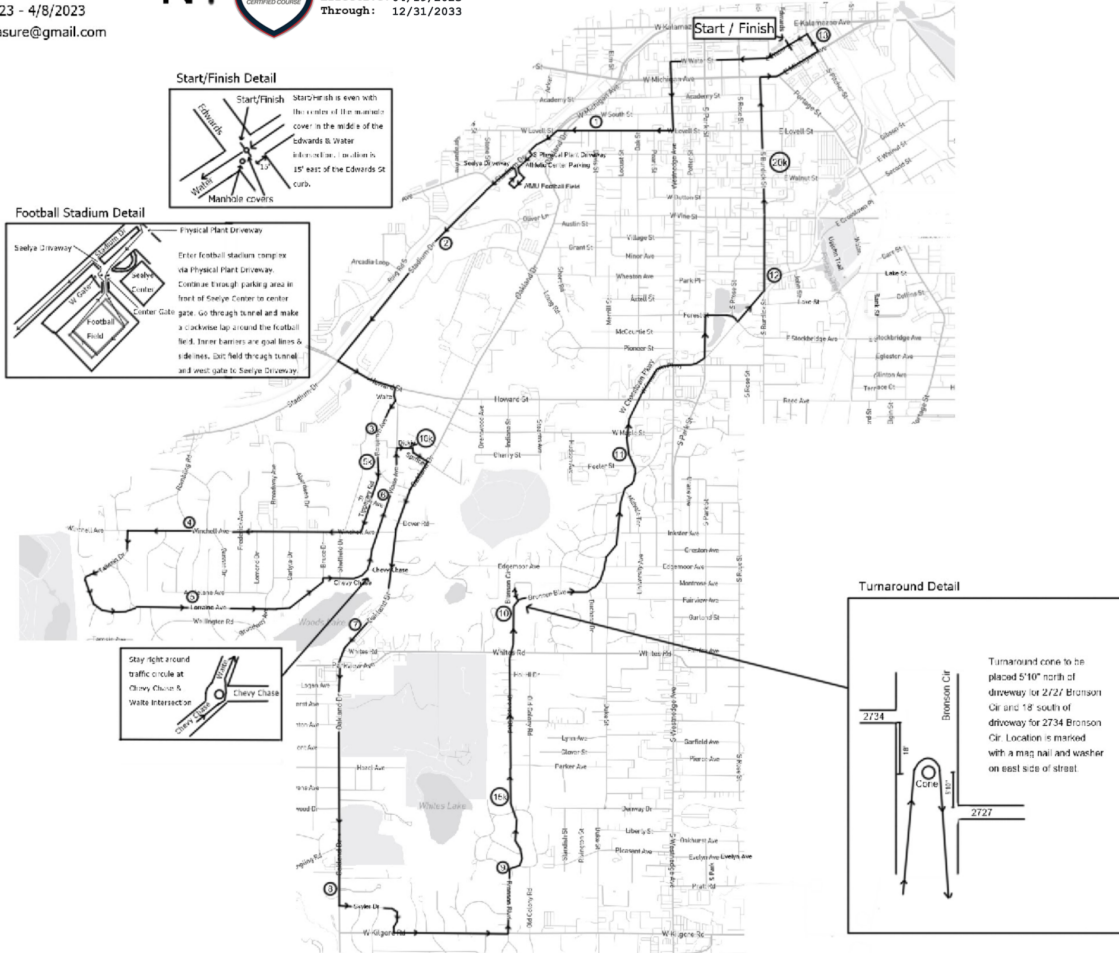
AS NATIONALLY CERTIFIED BY:

Date: April 29, 2023

Mark Neal - USATF/RRTC Certifier - 323 Griggs Street, Rochester MI 48307
(248) 894-3846 - runnermark@gmail.com

Zeigler Kalamazoo Half Marathon

Kalamazoo, MI
 21.0975 km
 Measured by Eric Bartz
 3/20/2023 - 4/8/2023
 eric.measure@gmail.com



The runners are restricted to only one lane on most roads. Barriers must be placed on the course to enforce lane restrictions. See page 2 for details on lane restrictions and barrier placement for race day set-up.

Mile/5k Marker Placement

Start/Finish: Even with center of manhole cover in the middle of the Edwards & Water intersection. There are 2 manhole covers in the intersection. The correct one is the NE one. Location is 15' east of Edwards St curb.

- Mile 1: On Lovell - In the Lovell/Davis intersection, 9 ft east of the telephone pole on the SW corner of the intersection.
- Mile 2: On Stadium - 50 ft south of second light pole south of Oliver St.
- Mile 3: On Benjamin - 15 ft south of manhole cover in front of 2004 Benjamin.
- 5km: On Benjamin - 56" south of 2142 Benjamin driveway.
- Mile 4: On Winchell - 17 ft east of manhole cover in center of Rambling Rd intersection.
- Mile 5: On Lorraine - 13 ft east of 2809 Lorraine driveway.
- Mile 6: On Waite - Event with center of driveway for 2218 Waite.
- 10km: On Dickie - 26" east of driveway for 1562 Spruce
- Mile 7: On Oakland - 39 ft north of large sign for Oakwood Plaza
- Mile 8: On Oakland - 96" north of storm drain north of Oakland in the middle of Autumn Crest lane intersection.
- Mile 9: On Bronson - 3 ft south of centerline between the 2 manhole covers in the White Oak intersection.
- 15km: On Bronson - 19 ft north of utility pole 3312 in front of 3904 Bronson.
- Mile 10: On Bronson - 4 ft north of 2890 Bronson driveway.
- Turnaround: On Bronson Cir: 510" north of 2727 Bronson Cir driveway. 18 ft south of 2734 Bronson Cir driveway. Marked with mag nail and washer on east side of street.
- Mile 11: On Crosstown - 48 ft south of storm drain north of 2000 Crosstown driveway. Across from 601 Maple (Girls Scouts)
- Mile 12: On Burdick - 46 ft south of first lamp pole south of Wall St. Near 101 Burdick (Old 5/3 Bank).
- 20km: On Burdick - 5 ft north of north end of brick office building on SE corner of Cedar and Burdick
- Mile 13: Mile 3: On Pitcher St - 616" south of hydrant on west side of Pitcher.

Course was measured using the entire width of the designated lanes, unless otherwise noted, maintaining the shortest possible route between each turn.

Zeigler Kalamazoo Half Marathon – Page 2 of 2

Course Directions and lane restrictions (with turn numbers):

Start WSW on E Water St (entire road)

1. Left on N Westnedge Ave (east bike lane)
2. Right on Lovell (south lane)
3. Left on Stadium Dr (east lane)
4. Left on Physical Plant Driveway (entire drive)
5. Through center gate to tunnel
6. Clockwise around football field
7. Through tunnel to west gate
8. Left on Selye Driveway (entire drive)
9. Left on Stadium Dr (east lane)
10. Left on Howard St (south lane)
11. Right on Waite Ave (west lane)
12. Continue onto Benjamin Ave (west lane)
13. Continue onto Tipperary Rd (west lane)
14. Right on Winchell Ave (south lane)
15. Left on Taliesin Dr (east lane)
16. Continue onto Lorraine (south lane)
17. Right on Chevy Chase Blvd (south lane)
18. Left at roundabout onto Waite Ave (east lane)
19. Right on Dickie Dr (south lane)
20. Right on Spruce Dr (south lane)
21. Right on Oakland Dr (east bike lane)
22. Left on Skyler Dr (north / west lane)
23. Left on W Kilgore Rd (north lane)
24. Left on Bronson Blvd (west lane)
25. Left on Bronson Cir (west lane)
26. Turn around on Bronson Cir (east lane)
27. Left on Bronson Blvd (8' of west lane)
28. Continue on W Crosstown Pkwy (8' of west lane)
29. Left on S Park St (east lane)
30. Right on Forest St (entire road)
31. Left on Crosstown Pkwy (west lane)
32. Left on S Burdick St (east lane)
33. Continue onto Kalamazoo Mall (entire road)
34. Right on Michigan Ave (north lane)
35. Left on S Pitcher St (west lane)
36. Left on E Water St (entire road)
37. Finish on E Water S

Barrier Placement:

Barriers to be placed at regular intervals on the lane lines as indicated above. Placement for corners crossing restricted lanes detailed below:

- Turn 2: Cone on Westnedge even with crosswalk. Cone on Lovell even with crosswalk
- Turn 10: Cone on Howard even with left turn stop line
- Turn 14: Cone on Winchell even with utility pole on south side
- Turn 16: Cross street at Parkwyn & Lorraine intersection
- Turn 18: Follow right side of roundabout
- Turn 21: Cone on Oakland even with utility pole on SW corner
- Turn 29: Cone on Park even with crosswalk
- Turn 32: Cone on Burdick even with crosswalk
- Turn 34: Cone on Michigan even with crosswalk