



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



Name of the course Helderberg to Hudson Half Marathon 2023 Distance 21.0975 km
Location (state) NY (city) Town of New Scotland
Type of course: Road Race
Measuring Methods: Bicycle
Measured By Jim Gilmer, 232 Van Wies Point Rd, Glenmont, NY 12077, jim.gilmer@gmail.com, 518-852-3562
Race Contact Josh Merlis, c/o ARE Event Productions, PO Box 38195, Albany, NY 12203
Date(s) when course measured: 03/18/22, 03/28/23
Number of measurements of entire course: 2 Course Configuration: point to point
Elevation (meters above sea level) Start 131.67 Finish 3.35 Lowest 2.44 Highest 155.14
Straight line distance between start and finish 13274.00m Drop 6.08 m/km Separation 72.02 %
Type of surface: Paved 100 % Dirt 0 % Gravel 0 % Grass 0 % Track 0 %
Effective date of certification: March 29, 2023 Certification code: NY22022JG

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**

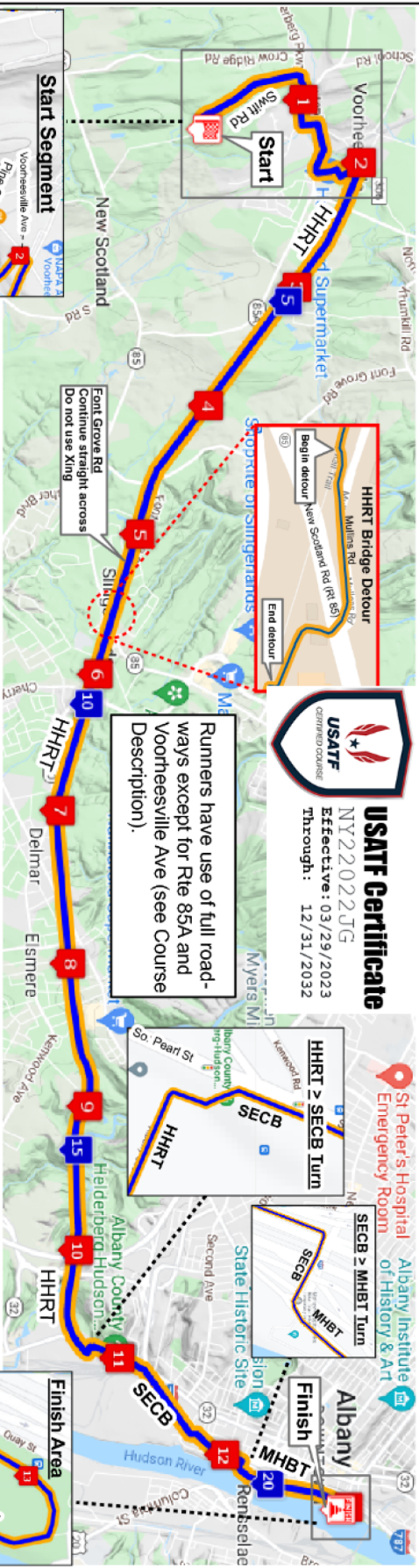
AS NATIONALLY CERTIFIED BY:

Date: March 29, 2023

Jim Gilmer - USATF/RRTC Certifier - 232 Van Wies Point Rd, Glenmont NY 12077
(518) 852-3562 - jim.gilmer@gmail.com

Helderberg to Hudson Half Marathon 2023

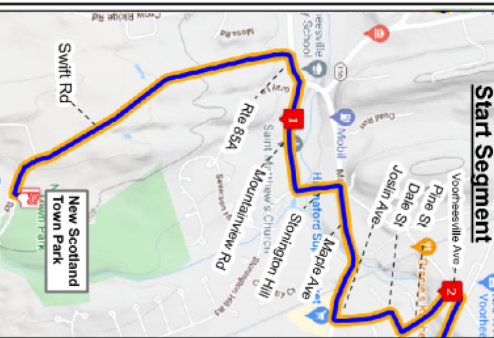
Start: New Scotland Town Park, Voorheesville, NY Finish: Corning Waterfront, Albany, NY



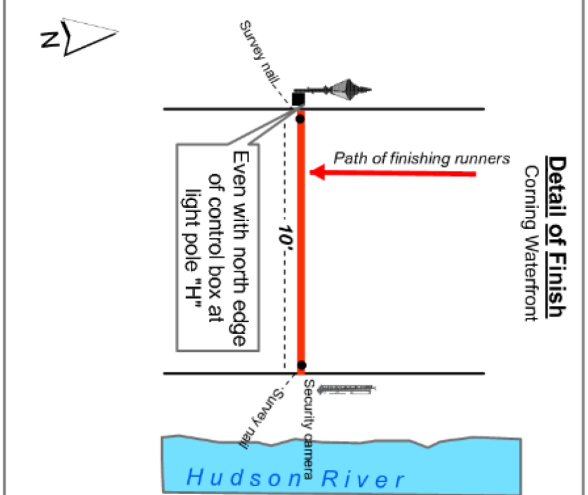
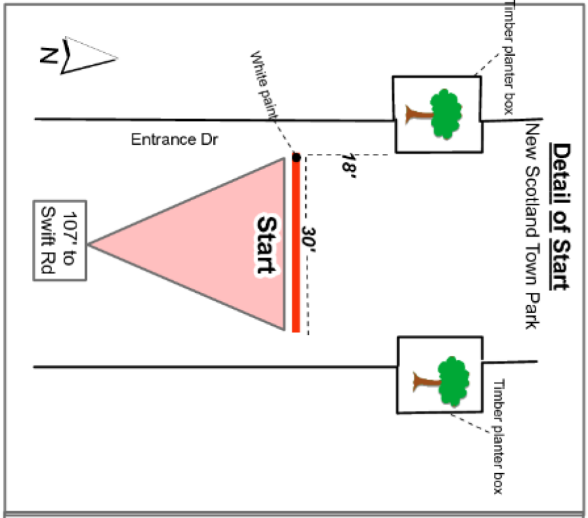
USATF Certificate
 NY22022JG
 Effective: 03/29/2023
 Through: 12/31/2023

USATF
 CERTIFIED COURSE

Runners have use of full roadways except for Rte 85A and Voorheesville Ave (See Course Description).



Certified Intermediate Split Distance
 HHRT segment: 14.147886 km
 Begin elev: 102.11 m
 End elev: 25.60m
 Straight-line distance: 13.274 km
 Highest: 118.87m
 Lowest: 25.60m
 Drop: 5.41 m/km
 Separation: 93.83%



Legend

- 0 Mile split
- 5 5 km split

HHRT Albany Co Helderberg Hudson Rail Trail

SECB South End Connector Bikeway

MHBT Mohawk Hudson Bike-Hike Trail

Measured 3/18/22; adjusted 3/28/23. Mapped by Jim Gilmer | AIMS-World Athletics "A" Measurer | 518-852-3562 | jim.gilmer@gmail.com

Key Points for 2023 Detoured Course (described as course is run)			
Key Point	General Location	GPS Coordinates	Location Detail Description (all points marked with paint and survey nail unless indicated)
Start	New Scotland Town Park	42.638445°, -73.930020°	On New Scotland Town Park entrance drive, 81' south of edge of first landscape tree planter box closest to Swift Rd Marked on R (white paint only).
1	Mountain View St	42.648049°, -73.933523°	Point is in front of #12, 13' 3" Speed Hump. Marked on L (white paint only).
2	62 Voorheesville Ave	42.653937°, -73.925454°	Point is on Pine St, 53' 3" before stop sign and 33" after LP #14 (on R). Marked on R.
HHRT-Begin (M2022)	Entrance from Voorheesville Ave	42.654159°, -73.925028°	Certified segment begin point: at entrance to rail trail path. SE corner of concrete apron by steel plate. Marked on R. Point is 2' 11" direct from SE corner and 1' 10" direct from SW corner of "Durast" steel plate. Nail, no paint.
3	HHRT: btw Rte 155 & Hilton Rd	42.647330°, -73.908381°	Point is 265' 7" before HHRT Mile 8.0 marker. No other landmarks available (white paint only).
5K (3.106856 mi)	HHRT: before Hilton Rd	42.646475°, -73.906847°	Point is 458' 5" before Hilton Rd. Marked on R (white paint only).
4	HHRT: btw Hilton Rd & Upper Front Grove Rd	42.638685°, -73.892757°	25' 4" after HHRT Mile 7.0 marker. Marked on R (white paint only).
5	HHRT: after Upper Front Grove Rd & Font Grove Rd	42.632024°, -73.875618°	129' 8" after HHRT Mile 6.0 marker. Marked on R (white paint only).
6	HHRT: -453m after E/End Kenwood Ave access and -225m before Cherry Ave overpass	42.627940°, -73.857077°	66' 8" before orange "Warning Do Not Dig" sign on R and 724' before overpass. Marked on R.
10K (6.213719 mi)	HHRT: -84m after Cherry Ave overpass	42.627027°, -73.853130°	Point is 377' after overpass and 95' 10" before HHRT mileage sign "6.5 mi" on L. Marked on R.
7	HHRT: across from Hunter Rd junction with Hudson Av	42.624261°, -73.838866°	Point is 30' 2" after orange "Warning" sign Rd and -305m before Adams St. No landmarks available. Marked on R.
8	HHRT: after American Legion Post 1040	42.625256°, -73.818563°	Point is 524' after Booth Rd access on L and 4' 1" before utility pole "NG 20" on R. Marked on R.
9	HHRT: -87m after Rockefeller Rd access	42.626921°, -73.799523°	Point is 278' 4" after access off Rockefeller Rd (S side) and 115' 5" before beginning of rail fence on R. Marked on R.
19K (9.3205679 mi)	HHRT: -600m after Rockefeller Rd	42.625943°, -73.793561°	Point is 66' 6" after "King" park bench on L and 72' 8" before rail fence on L. Marked on R.
10	HHRT: -270m after old RR Bridge (no access) entrance to South Pearl St Apts	42.626010°, -73.780213°	Point is 40' 4" after beginning of post-and-rail fence on R (after 6th post). Marked on R.
HHRT-End (M10.823)	HHRT: Rail Trail parking lot exit onto So Pearl St	42.627867°, -73.767073°	Certified segment end point: N edge of concrete sidewalk xing at CDTA Albany Rail Trail Park 'n' Ride sign. No paint; no nail. Segment length is 8.791 mi (14.1479 km).
11	SEC: at #648 So. Pearl St middle of south entrance to South Pearl St Apts	42.629981°, -73.765794°	Point is 13' 4" after S cut-out and 6' 9" before N cut-out. Marked on R.
12	SEC: at I-787 overpass pier marked #14	42.640354°, -73.753000°	Point is 23' 2" after green lamp post and 15' 11" before overpass pier. Marked on R.
20K (12.42742 mi)	MHBT (Quay St): -330m after Broadway	42.645356°, -73.748632°	Point on green paved bike path even with S edge of storm drain, 62' 7" after lamp post #17 on R and 16' 10" before lamp post #18 on R. Marked on L, no nail.
13	MHBT at Corning Preserve	42.662528°, -73.745836°	Point is on green paved bike path connector before curve at north tidal pond, 23' 2" after lamp post and 12' 1' 3" before end of rail fence on R. Marked on R.
Finish	MHBT before Jennings Landing	42.651725°, -73.745463°	Line is at lamp post "H" even with N edge of control box at base of post. Marked both sides with nails.

Note: Start, intermediate mile splits as well as begin and end of Rail Trail are marked with survey nail and orange paint. All intermediate 5km splits are marked with blue paint and survey nail.

Note: Certified intermediate split from HHRT-Begin to HHRT-End is a distance of 14.1479 km.

Abbreviations HHRT = Albany County Heiderberg-Hudson Rail Trail
 MHBT = Mohawk Hudson Bike Trail SEC = South End Connector

NY22022JG | Heiderberg to Hudson Half Marathon 2023 p 3 of 4

Helderberg to Hudson Half Marathon		
Course Description (Turn by Turn)		
Turn	Route	Split/Restriction (as noted)
Start	Town of New Scotland Park	
R	Swift Rd	
R	Helderberg Pkwy (Rte 85A)	Right of centerline
R	Mountainview St	Mile 1
L	Stonington Hill Rd	Right of traffic island
R	Maple Ave (Rte 85A)	Right of centerline to end of lane taper at Joslin Ave
L	Joslin Av	Turn between lane taper and crosswalk
R	Dale St	
L	Pine St	
R	Voorheesville Ave (CR 306)	Mile 2 (Right of centerline)
R	HHRT	Miles 3 thru 5, 5km
L	Mullins Rd (HHRT Bridge Detour)	Mile 5.57
L	HHRT	Miles 6 thru 10; 10 & 15 km
R	SEC at So Pearl St/Rte 32	Mile 11; dedicated 8' bike lane
R	SEC at I-787 Frontage Rd	dedicated bike lane; use xwalk at Church St to remain on SEC thru Mile 12
L	SEC at Broadway & Quay St	Use xwalk; tum after traffic island on to MHBT (green pavement); Mile 13
R	MHBT	End of MHBT green pavement
Finish	MHBT	
Note:	HHRT = Albany County Helderberg-Hudson Rail Trail	
	SEC = South End Connector	
	MHBT = Mohawk Hudson Bike Trail	