



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

Measurement Certificate



Name of the course Helderberg to Hudson Half Marathon 2022 Distance 21.0975 km

Location (state) NY (city) Voorheesville

Type of course: Road Race

Measuring Methods: Steel Tape & Bicycle

Measured By Jim Gilmer, 232 Van Wies Point Rd., Glenmont, NY 12077

Race Contact Josh Merlis, c/o ARE Event Productions, PO Box 38195, Albany, NY 12203

Date(s) when course measured: 03/18/2022

Number of measurements of entire course: 2 Course Configuration: Point-to-point

Elevation (meters above sea level) Start 131.67 Finish 2.44 Lowest 3.35 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: April 8, 2022 Certification code: NY22001JG

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: April 8, 2022

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 2022

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



USATF Certificate
 NY22001JG
 Effective: 04/08/2022
 Through: 12/31/2032

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

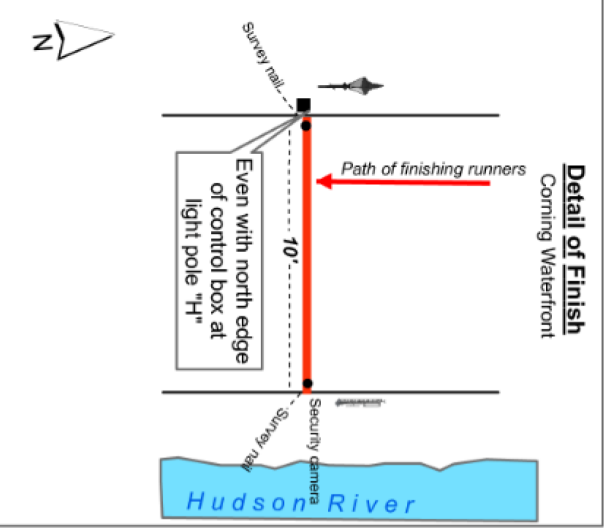
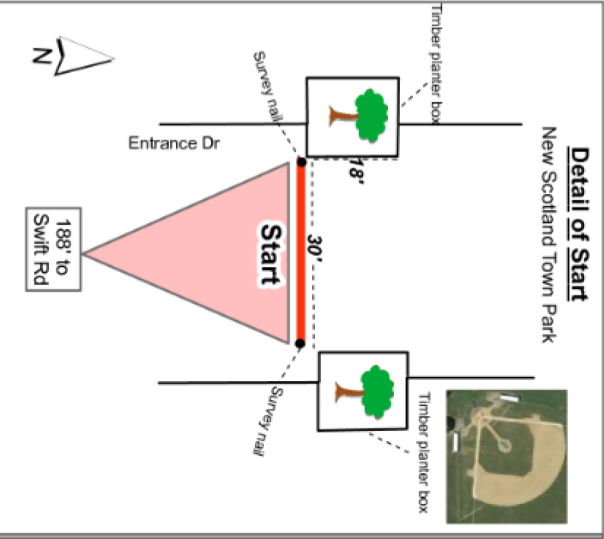
HHRT ≥ SECB Turn

SECB ≥ MHBT Turn

Finish



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

- Mile split
- 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 and mapped by Jim Gilmer | World Athletics "A" Measurer | 518-852-3562 | jim.gilmer@gmail.com

Key Points (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	42.638656°, -73.929970°	On New Scotland Town Park entrance drive, even with edge of first landscape tree planter box closest to of entrance Marked on R.
1	Mountain View St	42.648097°, -73.933834°	Point is after driveway for #10, 2/6" after east edge of driveway and 2'2" before mailbox. Marked on L.
2	2 Pine St (before Voorheesville Ave)	42.653783°, -73.925426°	Point is on Pine St, 53' 3" before stop sign and 3'3" after LP #14 (on R). Marked on R.
HHRT-Begin (M2.032)	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 "Duralast" steel plate. Nail; no paint.
3	HHRT: ~1033m after Rte 155 ~325m before Hilton Rd	42.647490°, -73.908723°	Point is 324' before rail fence on R (leading to Hilton Rd). No other references.
5K (3.106856 mi)	HHRT: ~145m before Hilton Rd	42.646551°, -73.906967°	Point is 240' 7" after beginning of post-and-rail fence on R and 618' 9" before end of fence. Marked on R.
4	HHRT: ~1275m after Hilton Rd; ~1063m before Upper Font Grove Rd	42.638737°, -73.893022°	Between rail fence sections, 3,504' after W end of fence section. No landmarks available. Marked on R.
5	HHRT: ~535m after Upper Font Grove Rd; ~401m before Font Grove Rd	42.632060°, -73.875904°	Wood picket boundary fence on R and 23' 10" before Warning sign, "NY-020060". No other landmarks. Marked on R.
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 (6.2137119 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°, -73.838856°	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 324' 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.
15K (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)	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 #646 So. Pearl St middle of south entrance to South Pearl St Apts	42.629981°, -73.765794°	Point is 13' 4" after S curbcut and 6' 9" before N curbcut 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 Coming Preserve	42.652528°, -73.745836°	Point is on green paved bike path connector before curve at north tidal pond, 23' 2" after lamp post and 121' 3" before end of rail fence on R. Marked on R.
Finish	MHBT before Jennings Landing	42.627859°, -73.767072°	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 Helderberg-Hudson Rail Trail
 SEC = South End Connector
 MHBT = Mohawk Hudson Bike Trail

Helderberg to Hudson Half Marathon 2022		
Turn-by-Turn Course Description		
<i>[Runners have full use of roadway unless restriction specified]</i>		
Turn	Route	Split/Restriction (as noted)
Start	Town of New Scotland Park entrance drive	S edge (closest to Swift Rd) of tree planter box on W side of drive
R	Swift Rd	
R	Rte 85A (Helderberg Pkwy)	Keep R of centerline
R	Mountainview St	Mile 1
L	Stonington Hill Rd	Keep R of traffic island after turn
R	Rte 85A (Maple Ave)	Keep R of centerline to xing at Joslin Ave/Voorheesville Center
L	Joslin Av	
R	Dale St	
L	Pine St	Mile 2
R	Voorheesville Ave (CR 306)	Keep R of centerline
R	Albany Co Helderberg to Hudson Rail Trail (HHRT)	Mile 3, 5K, M4-6, 10K, M7-9, 15K, M10 ; Directly cross Font Grove Rd, do not use xing.
R	South End Connector Bikeway (SECB)	Miles 11-12
L	Mohawk Hudson Bike-Hike Trail (MHBT)	Use Broadway/Quay St xing to traffic island, 20K, M13
R	MHBT Corning Waterfront	Turn R at end of green asphalt
Finish	MHBT Corning Waterfront	N edge of control box at base of lamp post "H".