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COURSE MEASUREMENT REPORT: 19. OBERBANK Linz Marathon 2021

This is a remeasurement of the "Linz Halfmarathon and Marathon".

The halfmarathon starts on the east side of the motorway and the marathon only on the west side of the motorway near Danube bridge. There is no difference of the course measured in 2014.

I measured the whole course of the „Linz Halfmarathon and Marathon“ from start to finish. I was accompanied by the police (three cars) and the race director Peter Weidlinger.

First I measured from approx. km 3 to a virtual start line, then I went back to km 3 and measured the course from km 3 to the end. The measurement of the halfmarathon fixed the new start line. The start line of the marathon has the same distance to km 3 (but on the west side of the motorway). In order to get the correct distance of the marathon we have to make a turning point at Unionstraße. The details can be seen in the measuring report of the marathon.

APPLICATION FOR CERTIFICATION OF A ROAD COURSE

NAME OF COURSE: 19. OBERBANK Linz Marathon 2020/2021

DATE OF THE EVENT: 05. 04. 2020 cancelled/ 11. 04. 2021

ADVERTISED RACE DISTANCE: 42195 m

LOCATION OF START: A7 Mühlkreisautobahn (motorway) west side, at the "Danube bridge"

LOCATION OF FINISH (IF DIFFERENT): Linz, Hauptplatz

DIFFERENCE IN HEIGHT BETWEEN START AND FINISH: 8m; < 10% of the race distance

DIFFERENCE IN DISTANCE BETWEEN START AND FINISH: 1740m; 4,14% of the race distance

RACE DIRECTOR (IF COURSE IS MEASURED FOR SPECIFIC EVENT)

NAME: Günther Weidlinger
ADDRESS: Weyerstr. 20, A – 4616 Weißenkirchen

TYPE OF TERRAIN: FLAT ROLLING HILLY

ALTITUDE: START: 259 m HIGHEST: 264 m LOWEST: 251 m FINISH: 254 m

TYPE OF COURSE: ~~OUT & BACK~~ POINT TO POINT LOOP COURSE

DETAIL OF CALIBRATION COURSE

NAME OF EVENT: 19. OBERBANK Linz Marathon 2021

DATE OF THE EVENT: 05. 04. 2020 cancelled / 11.04. 2021

NAME OF CALIBRATION COURSE: Linz, Hochwasserdamm

LENGTH OF CALIBRATION COURSE: 800m

CITY: Linz an der Donau

DATE MEASURED: 2014

METHOD USED TO MEASURE CALIBRATION COURSE: electric system

HOW ARE START AND FINISH POINTS MARKED: by nails

MEASURING TEAM LEADER: Doris Linz

OFFICIAL AIMS/IAAF COURSE MEASURER:

Rainer Soos
Kanzelweg 8
9220 Velden am Wörthersee
Tel: 0043 699 12 11 13 40

BICYCLE CALIBRATION DATA SHEET

DATE OF MEASUREMENT: 08.03.2020

LENGTH OF CALIBRATION COURSE: 800m

PRE - MEASUREMENT:

RIDE	START COUNT	FINISH COUNT	DIFFERENCE
1	614000	623127	9127
2	623127	632252	9125
3	632252	641378	9126
4	641378	650503	9125

time of day: 07:00 am

temperature: 4°C

PRE-MEASUREMENT AVERAGE COUNT:

$$\begin{array}{rclcl}
 36503 & : & 4 & = & 9125,75 \\
 11407,1875 & \times & 1,001 & = & 11418,59469
 \end{array}
 \quad = \quad 11407,1875 / \text{km}$$

WORKING CONSTANT

POST - MEASUREMENT:

RIDE	START COUNT	FINISH COUNT	DIFFERENCE
1	214000	223122	9122
2	223122	232243	9121
3	232243	241365	9122
4	241365	250486	9121

time of day: 11:30 am

temperature: 7°C

POST-MEASUREMENT AVERAGE COUNT:

$$\begin{array}{rclcl}
 36486 & : & 4 & = & 9121,5 \\
 11401,875 & \times & 1,001 & = & 11413,27688
 \end{array}
 \quad = \quad 11401,875 / \text{km}$$

FINISHING CONSTANT

CONSTANT OF THE DAY: 11415,93578 per km

average of both Working Constant and Finishing Constant = Constant of the Day

COURSE MEASUREMENT DATA SHEET

DATE: 08. 03. 2020

START TIME: 07:30 am
FINISH TIME: 11:00 am

TEMPERATURE: 4 °C
TEMPERATURE: 7 °C

CONSTANT OF THE DAY: **11415,93578 per km**

Measurement 1: west side of the motorway:

reference point near km 3 (lamp 125/3 at "OBI centre") → desired startline

START COUNT 1: 670400
FINISH 1: 704565

DIFFERENCE: 34256

Measurement 1: 34256 → 3000,72m

Measurement 3:

Km 3 → Taubenmarkt

START COUNT 3: 742000
FINISH 3: 946226

DIFFERENCE 3: 204226 → 17889,55m

Measurement 6:

Taubenmarkt → Gürtelstr. 4/6 (= km 15 of the halfmarathon)

START COUNT 6: 951000
FINISH 6: 1124594

DIFFERENCE 4: 173595 → 15206,29m

Measurement 5:

Gürtelstr. 4/6 (= km 15 of the halfmarathon) → finish

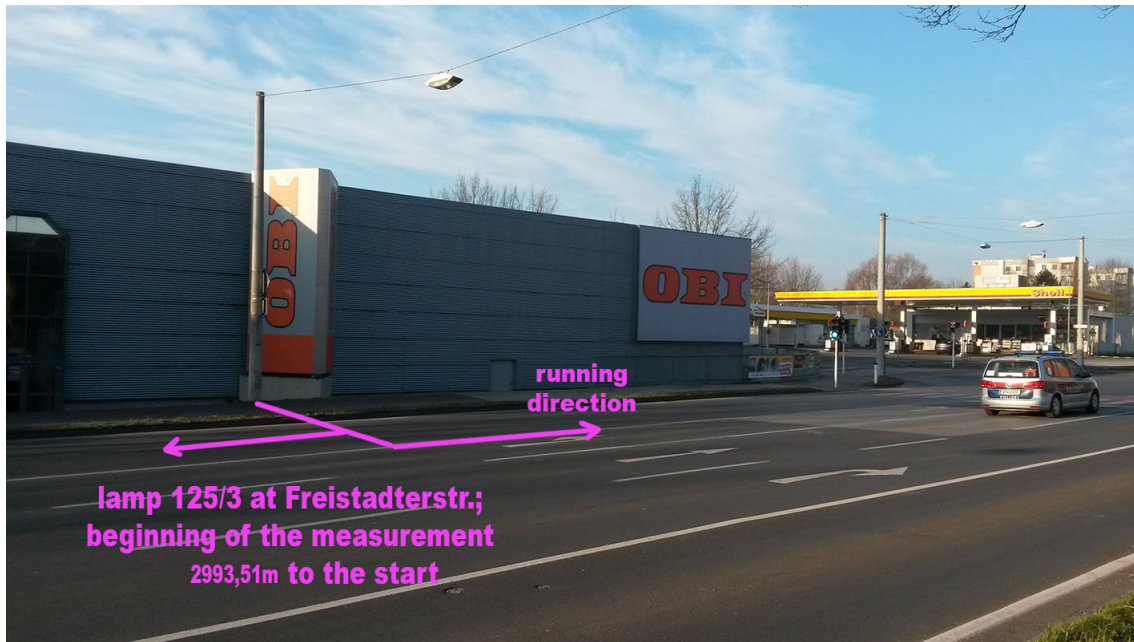
START COUNT 5: 873973
FINISH 5: 948674

DIFFERENCE 5: 69701 → 6105,59m

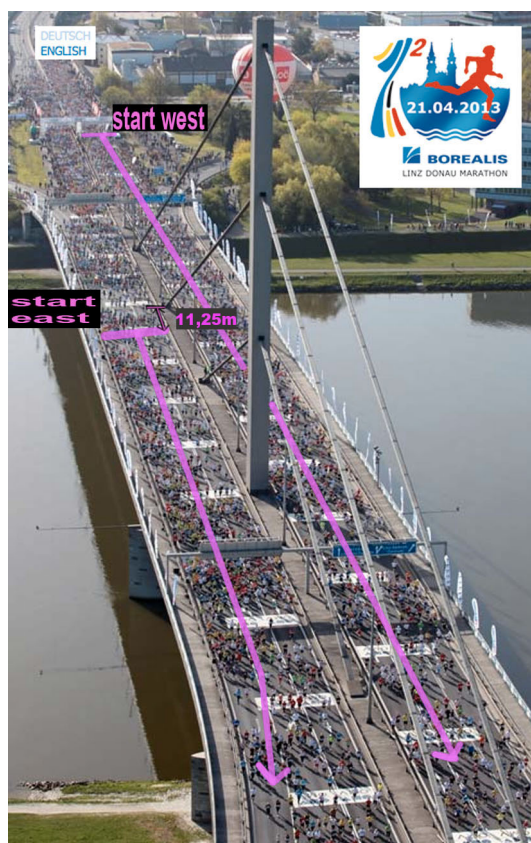
3000,72m + 17889,55m + 15206,29m + 6105,59 = 42202,14m

to get the correct length of the halfmarathon we need 2993,51m instead of 3000,72m → this results in a length of 42194,93m

the previous start line will be moved: 7,21m into direction north



START LINE OF THE MARATHON 2020



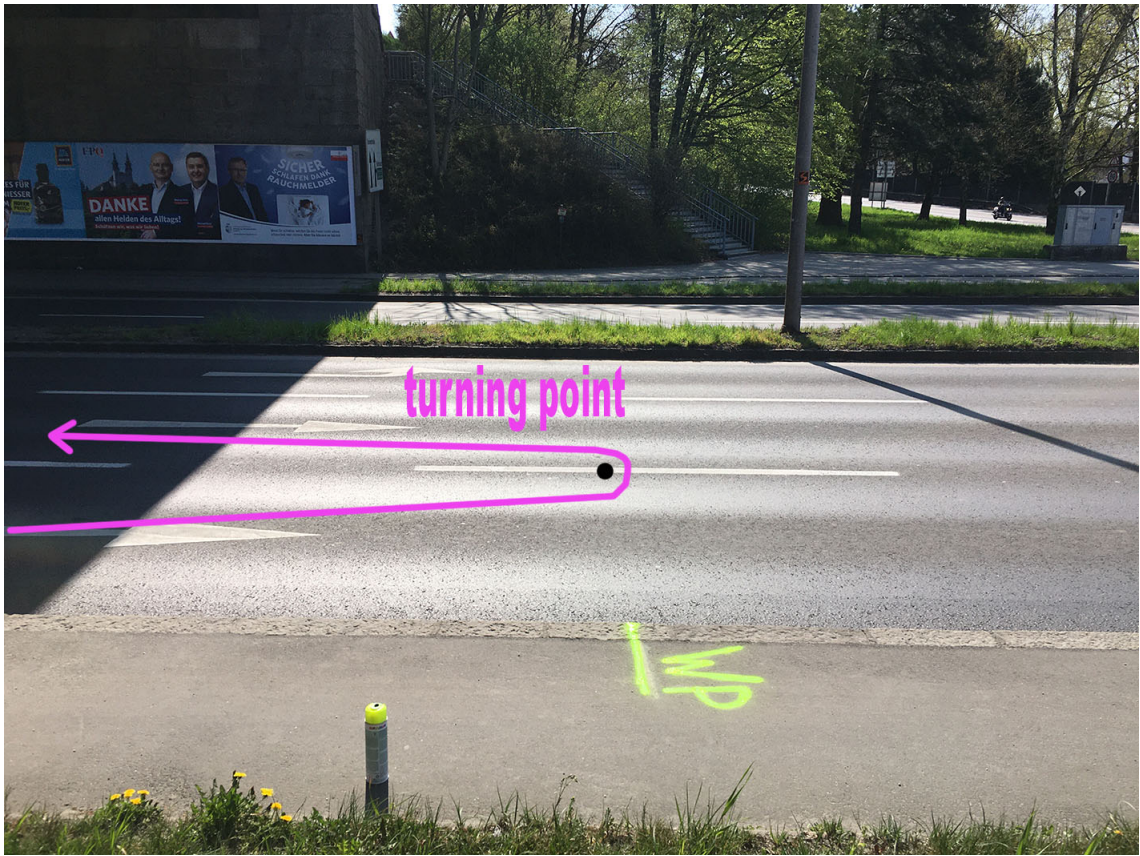
Measured Point	Recorded Count	Count Elapsed since previous Point	Interval Length Metres	Cumulative length metres after the correction at the start (west side, to get the correct distance of the half marathon)
New start line (west side of the Motor way): 21,20m before the emergency phone (direction south)	steel tape (- 7,21m direction bridge) necessary to get the correct distance of the half marathon			
km 3 (Freistädterstr., lamp Baumax) → desired startline on the west side of the motorway	670400 → 704565	34256	3000,72 (west side)	2993,51
Km 3 → km 5 (F. Marklstr. lamp 23)	742000 → 764787	22787	1996,07	4989,58
Km 5 → km 10 (Gruberstr. 24, lamp 14/1)	764787 → 821695	56908	4984,96	9974,54
Km 10 → km 15 (Gürtelstr. 8; Gossenschlitz)	821695 → 878973	57278	5017,37	14991,91
Km 15 → km 20 (Landstr. 105)	878973 → 935895	56922	4986,19	19978,10
Km 20 → Taubenmarkt (Gully)	935895 → 946226	10359	904,96	20883,06
Taubenmarkt (Gully) → km 25 (Unionstr. 41/39; Gossenschlitz)	951000 → 997986	46986	4115,83	24997,21
Km 25 → km 30 (am langem Zaun, Laterne 46 nach Brunnenfeldstr.)	997986 → 1055243	57257	5015,53	30012,74
Km 30 → km 35 (Wienerstr., letzter Mast vor Rosenbaumerstr.)	55243 → 112246	57003	4993,28	35015,47
Km 35 → km 15 (first lap) (Gürtelstr. 4/6)	112246 → 124594	12348	1081,64	36056,87
Km 15 (of the halfmarathon; Gürtelstr 8) → finish	878973 → 948674	69701	6105,59	42194,93



Finish at "Hauptplatz"

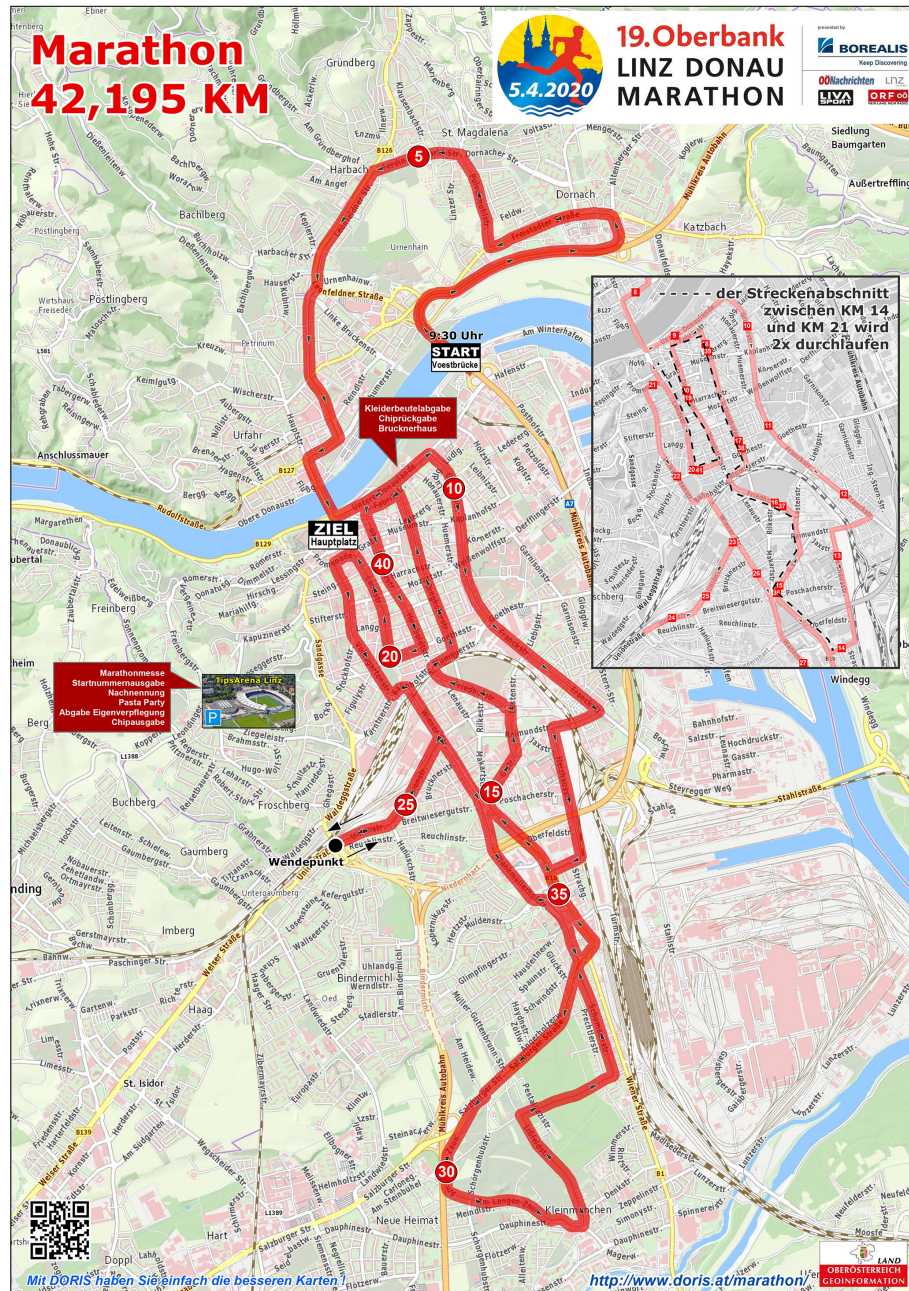


turning point



turning point

Description of the course



Start Marathon: Motorway (VÖESTBRÜCKE direction Freistadt, west side)
 → direction north → exit Dornach → Freistädterstr. → Pulvermühlstr. → F. Marklstr. → Leonfelderstr. (gegen Fahrtrichtung) → Wildbergstr. → Ferihumerstr. → Hauptstr. Nibelungenbrücke → Untere Donaulände → Gruberstr. → Kevenhüllerstr. → Frankstr. → Fuchselstr. → Raimundstr. → Heizhausstr. → Westbahnstr. → Fichtenstr. → Wienerstr. → Bulgariplatz → Gürtelstr. → Lastenstr. → Friedhofstr. → Blumauerstr. → Dinghofstr. → Elisabethstr. → Kaisergasse → Fabrikstr. → Rechte Donaustr. Graben → Dametzstr. → Humboldtstr. → Goethestr. → Landstr. → Taubenmarkt → Promende → Herrengasse → Volksgartenstr. → Bahnhofstr. → Wienerstr → Unionstr. → turning point → Unionstr. → Wienerstr. → Bulgariplatz → Wankmüllerhofstr. → Kremplstr. → Salzburgerstr. → Am langen Zaun → Dauphinstr. → Denkstr. → Pestalozzistr. → Lißfeldstr. → Brunnenfeldstr. → schumannstr. → Salzburgerstr. → Kremplstr. → Wankmüllerhofstr. → Bulgariplatz → Gürtelstr. → Lastenstr. → Friedhofstr. → Blumauerstr. → Dinghoferstr. → Elisabethstr. → Kaisergasse → Fabrikstr. → Rechte Donaustr. → Graben → Dametzstr. → Humboldtstr. → Goethestr. → Landstr. → Schmidtor → Hauptplatz (finish)

IAAF

ROAD RACE COURSE MEASUREMENT CERTIFICATE

Name of Race:	19. Oberbank Linz Marathon 2021 (Lower Austria)		
Location:	Linz / Donau	Country:	Austria
Date of Race:	11.04.2021	Distance of Race:	42195 km
Measured Distance of Course:	42195 km	Date Measured:	08.03.2020
Altitude (in metres above sea level)			
Start: 259m	Highest: 264m	Lowest: 251m	Finish: 254m
Type of Course:	Point to point		
Local Race Measurer:	Günther Weidlinger (guenther.weidlinger@liva.linz.at)		
Address:	Weyerstr. 20; 4616 Weißkirchen, Austria		
Method of Measuring:	Bicycle	Steel tape	
IAAF Approved Course Measurer:	Rainer Soos (aims.austria@gmail.com)		
Address:	Kanzelweg 8 9220 Velden am Würthersee Austria		

This is to certify that the course described above and defined by the attached map has been measured and approved for certification. The course measurement complies with IAAF Rules for Road Race Course Measurement and the measured distance is not less than the official distance for the event. It remains valid for five years. Any modification of the course, however minimal, will require a new official measurement.

Map. Rainer Soos

Signature
IAAF Approved Course Measurer

08.03.2020
Date