

APPLICATION FOR THE CERTIFICATION OF A ROAD RACE

Name of event:	Valga Valka City Run		
City, Country:	Valga, Estonia		
Race distance:	10km, 5km	Race date:	21-Apr-24
Race director:	Margus Lepik		
Phone:	372 5032901	Email:	cityrun@triathloniakade.ee
Measurement team lead:	Arturs Onzuls		
Address:	Jurmalas gatve 92-74, Riga, Latvia LV-1029		
Phone:	37128606372	Email:	arturs.onzuls@gmail.com
Location of start:	Sopruse street		
Location of finish:	Sopruse street		
Type of terrain:	asphalt		
Type of course:	Loop		
Distance in straight line, between start and finish:	75m for 10k, 30m for 5k		

SUMMARY OF MEASUREMENT

Location of calibration course:	not on the course
Lenght of calibration course:	300
Date measured:	18-Apr-2024
Method used:	Jones counter
Times measured:	2
Measurement team leader:	Arturs Onzuls
Address of team leader:	Jurmalas gatve 92-74, Riga, Latvia LV-1029
Phone of team leader:	37128606372
Email of team leader:	arturs.onzuls@gmail.com
Team members:	Margus Lepik
Calibration course is:	straight
Start and finish lines marked:	tape

OVERVIEW OF THE MEASUREMENT PROCEDURE

Calibration course is 300m, not on the course. We measured 10km lap - it was 100m38cm short. we then adjusted the course a little bit, removed 29m50cm and added 54m48cm, difference is 25m76cm, meaning that we still miss 74m61cm or 840count. We moved start back. Same approach for 5km lap, after measurement we understood that course is 26m11cm short (or 294 counts). We moved Start back.

Course consist of road (full width used), pedestrian road and bicycle road.

STEEL TAPING DATA SHEET

Name of calibration course: Lai street
City, Country: Valga, Estonia
Date: 18-Apr-24
Start time: 17:10
Finish time: 17:40

Start temp (C): 14.4
Finish Temp (C): 12.6

Measurements and calculations

tape lengths x distance per tape length + partial tape length

1st measurement (m): 300.000 6 x 50 + 0
2nd measurement (m): 300.024 6 x 49 + 6.001
Average raw (m): 300.012
Temperature correction: 0.9999246
Corrected measurement (m): 299.9893791 0.0106
Final adjusted measurement (m): 300

BICYCLE CALIBRATION DATA SHEET

Date of measurement: 18-Apr-24
Name of measurer: Arturs Onzuls
Length of calibration course (m): 300

PRE-CALIBRATION

Start time: 17:50 Start temp (C): 12
Finish time: 18:00 Finish Temp (C): 12

Ride	Start count	Finish count	Difference
1	441680	445052	3372
2	445052	448425	3373
3	448425	451797	3372
4	451797	455169	3372

Pre-measurement average count: 3372.25
Count per km 11240.83333
Working constant (incl. SCPF): 11252.07417

POST-CALIBRATION

Start time: 19:40 Start temp (C): 12
Finish time: 19:50 Finish Temp (C): 12

Ride	Start count	Finish count	Difference
1	584099	587473	3374
2	587473	590847	3374
3	590847	594220	3373
4	594220	597594	3374

Post-measurement average count: 3373.750
Count per km 11245.83333
Finish constant (incl. SCPF): 11257.07917

CONSTANT FOR THE DAY (AVERAGE): 11254.57667

CURSE MEASUREMENT DATA SHEET

Date of measurement:

Name of measurer: Arturs
Onzuls

Distance (km): 10km, 5km

Start time: 18:05 **Start temp (C):** 12

Finish time: 20:00 **Finish Temp (C):** 12

Working (original) constant (incl. SCPF): 11252.07417 0.08887250343

CONSTANT FOR THE DAY (AVERAGE): 11254.57667 0.08885274228

LOCATION OF SPLIT POINTS

distance=[counts*constant(distance)/1000
counts=[distance*constant(counts)]

Reading	Counts	Distance (km)	Location
464900			
576316	111416	9.899617134	10km lap
		0.1003828665	missing till 10km
	840	0.07461557121	missing till 10km with adjustment
606334			
606951	617	0.05482214198	add to the course
607278	327	0.02905484672	remove from the course
		0.02576729526	difference
607385			
663364	55979	4.97388766	5km lap
	294	0.02611234008	missing till 5km



Photo 1 – Calibration course



Photo 2 – start of bicycle road



Photo 3 – crossing the road



Photo 4 – we use bicycle road, not pedestrian road



Photo 5 – we use bicycle road, not pedestrian road



Photo 6 – turn around from bicycle road



Photo 7 – bicycle road



Photo 8 – through kinder park



Photo 9 – through kinder park



Photo 10 – here we use pedestrian road



Photo 11 – after right turn we can use road again



Photo 12 – to turn-around



Photo 13 – after turn-around



Photo 14 – after turn-around



Photo 15 – turn, cone located opposite to tree



Photo 16 – turn around for 5km, when grass ends

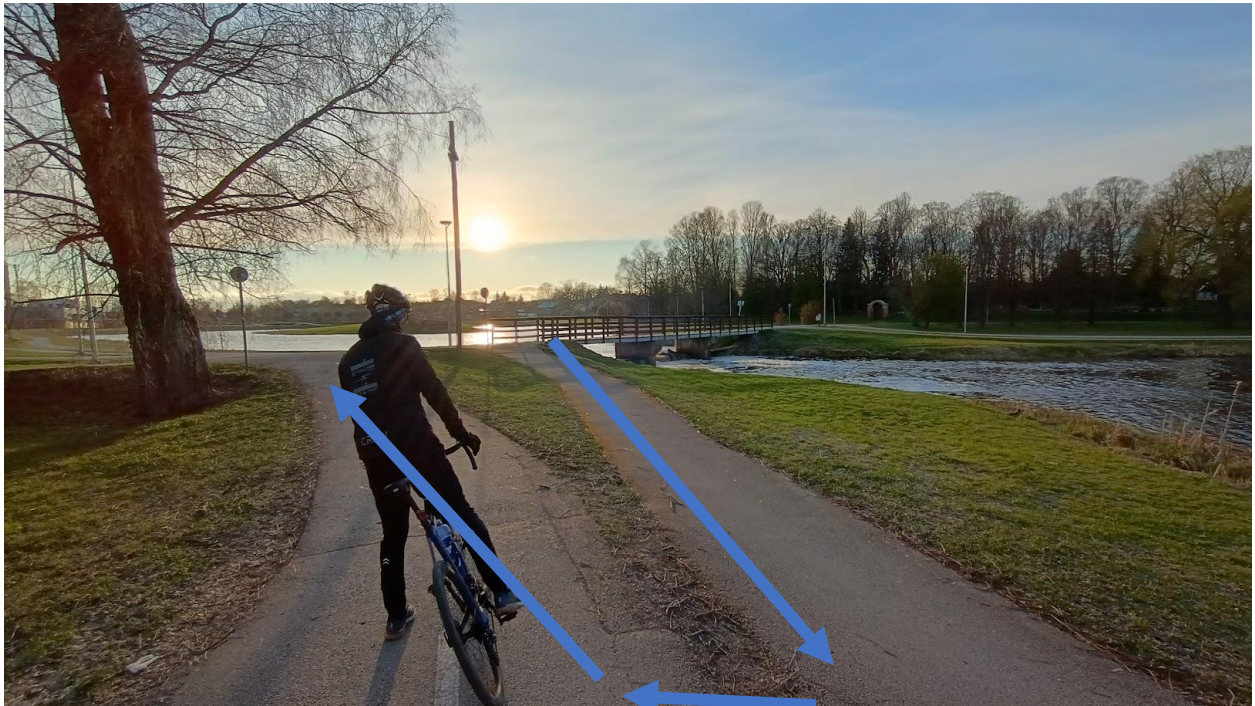


Photo 17 – turn around for 5km, when grass ends

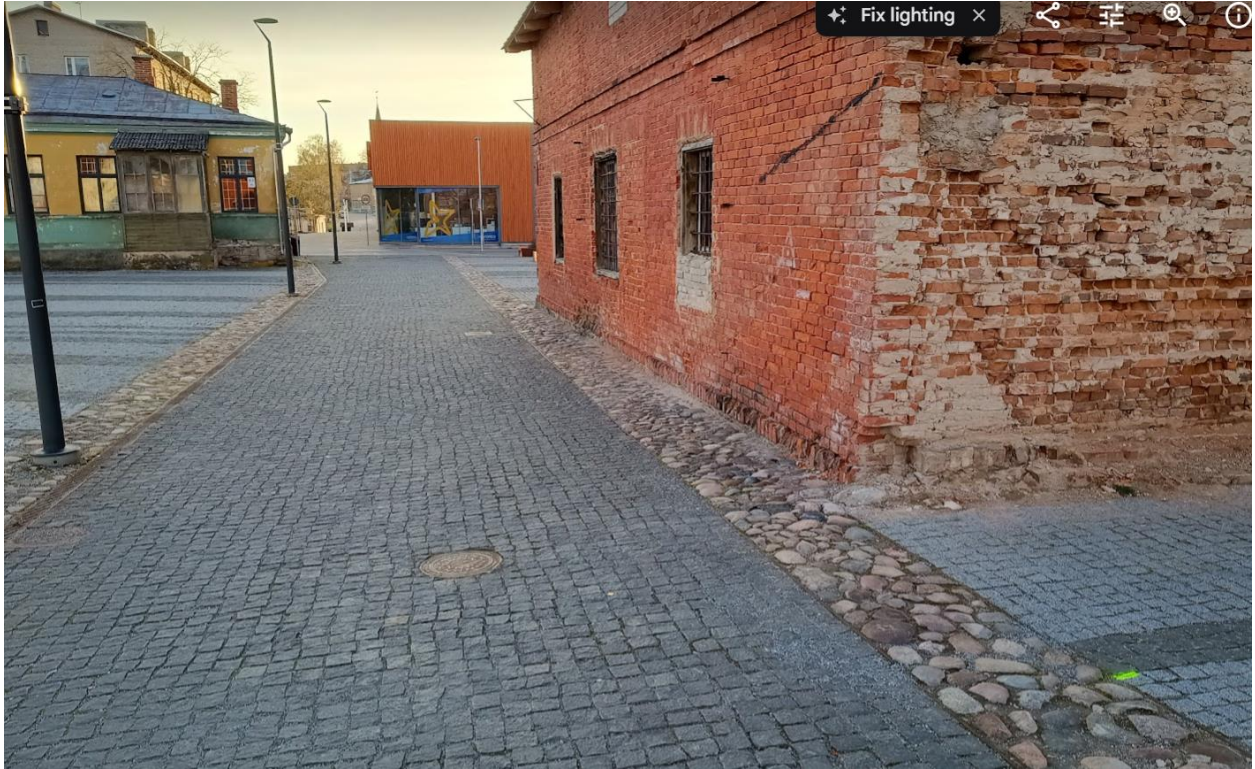


Photo 18 – Finish all distances, black line to the right



Photo 19 – Finish all distances, black line (left), 2m95cm from building

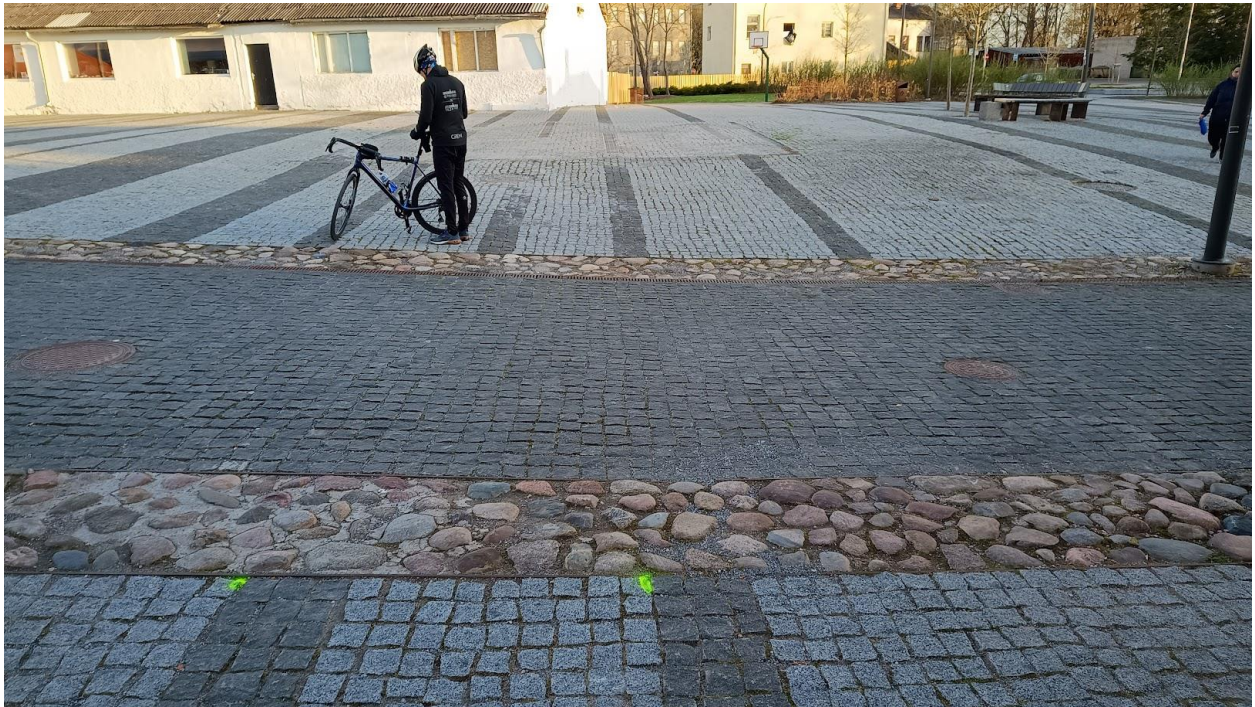


Photo 20 – Finish all distances, black line (left)

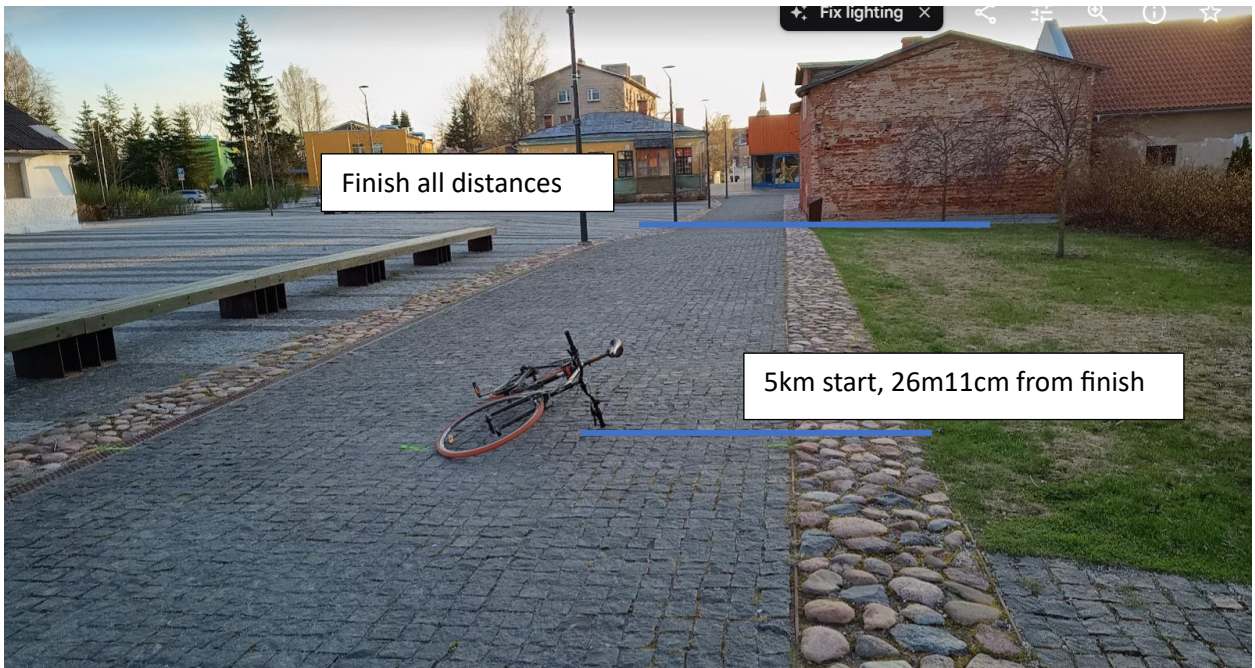


Photo 21 – 5km Start



Photo 22 – 5km Start



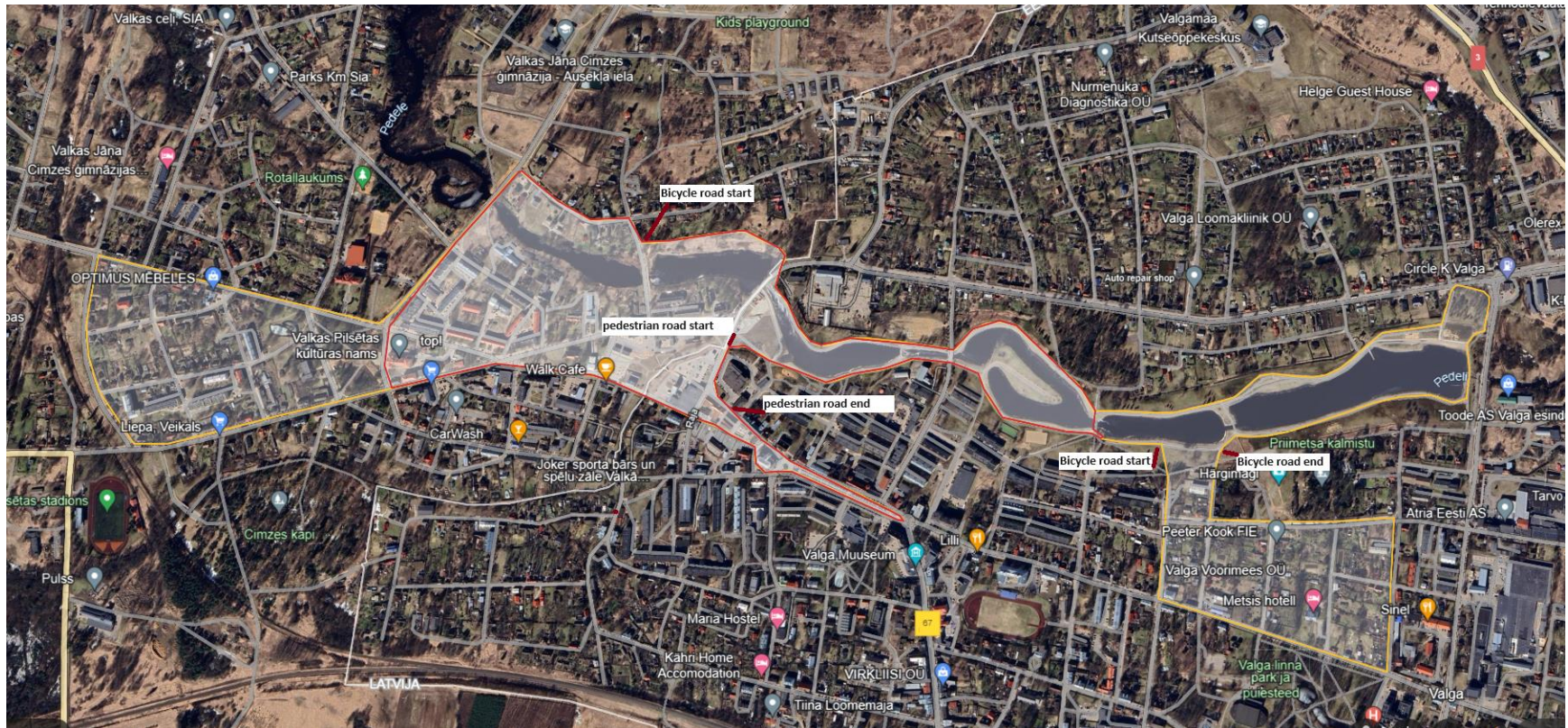
Photo 23 – 5km Start, 2m55cm from 1st lamp post from turn



Photo 24 – Start 10km, 4m14cm from yellow building



Photo 25 – Start 10km, opposite bench edge



Map 1 – 5km and 10km



Map 1 – 5km map



Map 3- 10km map

