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COURSE MEASUREMENT REPORT: Podgorica Marathon 2015

I measured the whole course of the „Podgorica Marathon“ from the start to the finish.
I was accompanied by Milena Vuksanovic and Kire Sinadinovski with the bike and by the
organisers (two cars).

APPLICATION FOR CERTIFICATION OF A ROAD COURSE

NAME OF COURSE: Podgorica Marathon 2015

DATE OF THE EVENT: 25. 10. 2015

ADVERTISED RACE DISTANCE: 42195 m

LOCATION OF START: U. Slobode 72

LOCATION OF FINISH (IF DIFFERENT): Trg Repubike in front of Elmag shopping
centre

ELEVATION CHANGE (+/-) start & finish: 0 m/km

SEPERATION between start & finish as a % of the race distance: < 0% (107,51m)

RACE DIRECTOR (IF COURSE IS MEASURED FOR SPECIFIC EVENT)

NAME: Milan Madžgalj (maraton@t-com.me)
ADRESS: St 19. Decembra 21, 81000 Podgorica, Montenegro

DATE OF THE MEASUREMENT: 09.09.2015

TYPE OF TERRAIN; FLAT ROLLING HILLY

ALTITUDE: START: 44 m HIGHEST: 66m LOWEST: 44m FINISH: 44 m

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

DETAIL OF CALIBRATION COURSE

NAME OF EVENT: Podgorica Marathon 2015

NAME OF CALIBRATION COURSE: street without name in front of VOLI Centre near the airport

LENGTH OF CALIBRATION COURSE: 400m

CITY: Podgorica

DATE MEASURED: 09.09.2015

METHOD USED TO MEASURE CALIBRATION COURSE: steel tape

HOW ARE START AND FINISH POINTS MARKED; by nails

MEASURING TEAM LEADER:

Rainer Soos
Kanzelweg 8
9220 Velden am Wörthersee
Austria

BICYCLE CALIBRATION DATA SHEET

DATE OF MEASUREMENT: 09.09.2015

LENGTH OF CALIBRATION COURSE: 400m

PRE - MEASUREMENT:

RIDE	START COUNT	FINISH COUNT	DIFFERENCE
1	700500	705062	4562
2	705062	709624	4562
3	709624	714185	4561
4	714185	718746	4561

time of day: 10:40 am
27°C

temperature:

PRE-MEASUREMENT AVERAGE COUNT:

$$\begin{array}{rclcl}
 18246 & : & 4 & = & 4561,5 & = & 11403,75 / \text{km} \\
 11403,75 & \times & 1,001 & = & 11414,15375 & & \text{WORKING CONSTANT}
 \end{array}$$

POST - MEASUREMENT:

RIDE	START COUNT	FINISH COUNT	DIFFERENCE
1	203000	207562	4562
2	207562	212123	4561
3	212123	216684	4561
4	216684	221245	4561

time of day: 02:50 pm

temperature: 27°C

POST-MEASUREMENT AVERAGE COUNT:

$$\begin{array}{rclcl}
 18245 & : & 4 & = & 4561,25 & = & 11403,125 / \text{km} \\
 11403,125 & \times & 1,001 & = & 11403,125 & & \text{FINISHING} \\
 \text{CONSTANT} & & & & & &
 \end{array}$$

CONSTANT OF THE DAY: 11414,84094 per km

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

COURSE MEASUREMENT DATA SHEET

DATE OF MEASUREMENT: 09.09.2015

CONSTANT OF THE DAY: 11414,84094 per km

START TIME: 11:30 am

TEMPERATURE: 26 °C

FINISH TIME: 02:30 pm

TEMPERATURE: 26 °C

Measurement:

finish (Trg Republika) → finish (Trg Republika) = one lap

START COUNT: 720000

FINISH: 1200422

DIFFERENCE: 480422 → 42087,49m

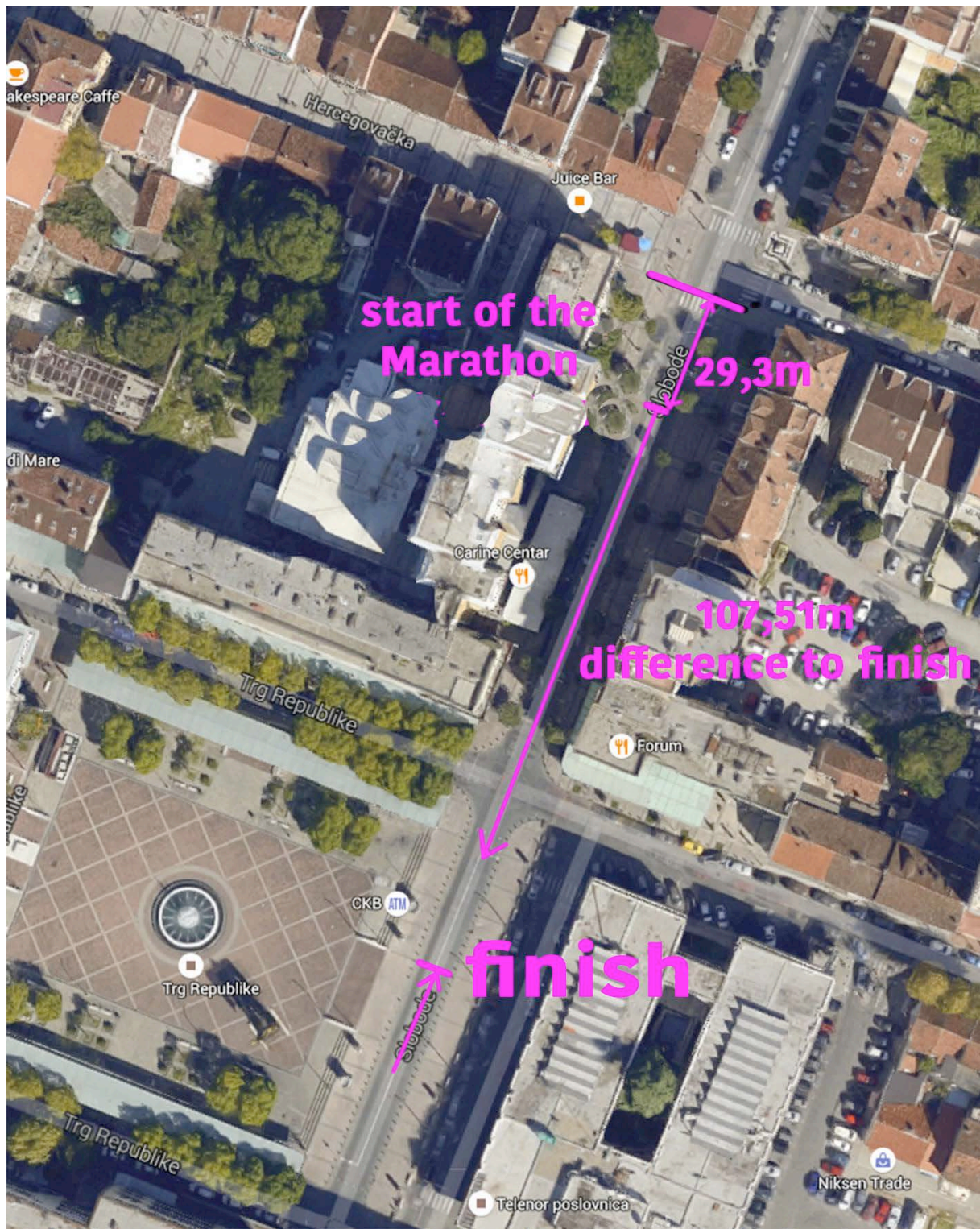
The marathon is too short: 107,51m

We fixed the start line to U. Slobode 72 (separation 107,51m)

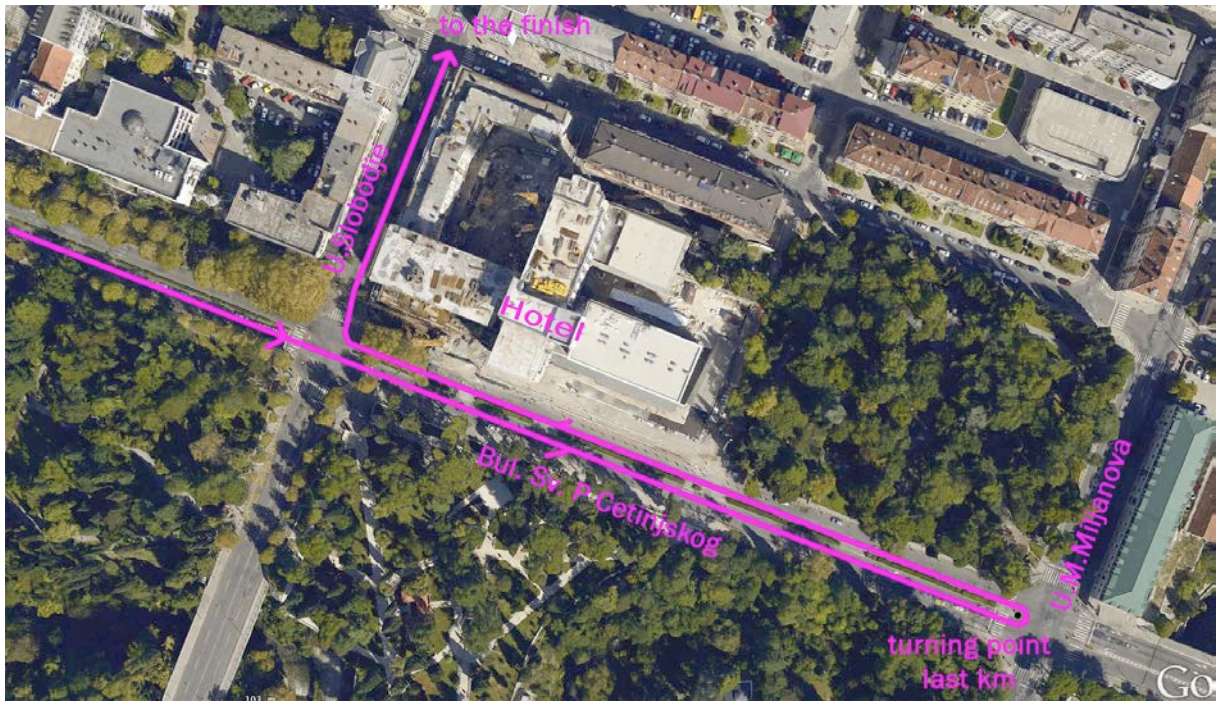
Measured Point	Recorded Count	Count Elapsed since previous Point	Interval Length Metres	Cumulative Length Metres	After the correction at the start
New start line → beginning of the measurement (Trg Republika)					107,51
Beginning of the measurement (Trg Republika) → km 5 (Ul.27.Jua)	720000 → 777076	57076	5000,16	5000,16	5107,67
Km 5 → Km 10 (Dajababe,KAP)	777076 → 834152	57076	5000,16	10000,32	10107,83
Km 10 → Km 15	834152 → 891228	57076	5000,16	15000,48	15107,99
Km 15 → Km 20 (Milatovici)	891228 → 948304	57076	5000,16	20000,64	20108,15
Km 20 → Km 25 (Vladni)	948304 → 1005380	57076	5000,16	25000,80	25108,31
Km 25 → Km 30	1005380 → 062456	57076	5000,16	30000,96	30108,47
Km 30 → Km 35	062456 → 119532	57076	5000,16	35001,12	35108,63
Km 35 → Km 40 (Crveni Krst)	119532 → 176608	57076	5000,16	40001,28	40108,79
Km 40 → Trg Republika (beginning of the measurement)	176608 → 200422	23814	2086,21	42087,49	42195

Description of the course

Start: U. Slobode 72: 29,30m in front of U. Herzogovacka →

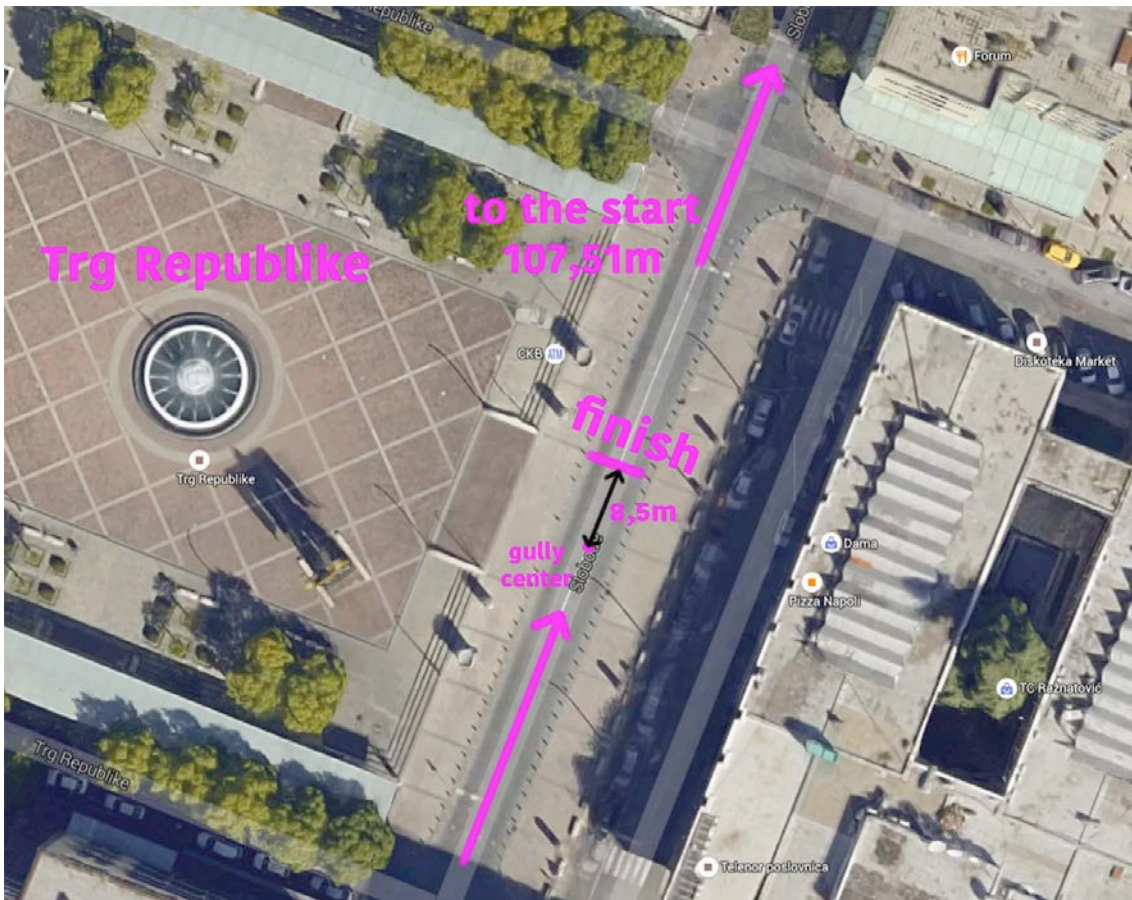


→ Bul.Sv.p.Cetinjskog → U.S.Dragojevic → Millenium Bridge → U.13.Jula → U.Dalmatinska → Bul.Dz.Vasingtona → U.27.Marta → U.Z.Vladara → Sripska → Golubovci → Milatovica → Mataguzi → Vladni → Dusici → Tuzi → Put R.Ivanovicia → U.Bracanovica → U.Kralja Nikole → Union Bridge → U.J.Tomasevica → Millenium Bridge → U.S.Dragojevic → Bul.Sv.P.Cetinjskog → turning point at U.M.Miljanova → Bul.Sv.Cetinjskog → U.Slobode →



turning point at Bul. P. Cetinskog (last km)

finish at Trg (Place) Republike (in front of Elmag shopping centre)



MARATHON PODGORICA COURSE MAP



Podgorica (Montenegro)
42,195 km



PODGORICA



Note:
The course proceeds
within the streets
(not sidewalks)
Primijetite:
Staza je na ulicama
(ne na trotoarima)



- Medicinska ekipa
Medical team
- Race direction - pravac trčanja
- Barriers(cones, tape) - ograda
- Start
- Finish - cilj
- 5km splits - prolazne tačke
- Street - ulica
- Boulevard - bulevar
- Length of the course - dužina staze
- Green Belt - zeleni pojas
- Islet - ostrva
- Osvežavajuća stanica / Refreshment Station

provisional

IAAF

ROAD RACE COURSE MEASUREMENT CERTIFICATE

Name of Race:	Podgorica Marathon 2015		
Location:	Podgorica	Country:	Montenegro
Date of Race:	25.10.2015	Distance of Race:	42195 km
Measured Distance of Course:	42195 km	Date Measured:	09.09.2015
Altitude (in metres above sea level)			
Start: 44m	Highest: 65m	Lowest: 44m	Finish: 44m
Type of Course:	Loop course		
Local Race Measurer:	Milan Madžgalj (maraton@t-com.me)		
Adress:	19. Decembra 21, 81000 Podgorica, Montenegro		
Method of Measuring:	Bicycle	Steel tape	
IAAF Approved Course Measurer:	Mag. Rainer Soos (aims.austria@gmail.com)		
Adress:	Kanzelweg 8 9220 Velden am Wörthersee 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.



Signature

IAAF Approved Course Measurer

09.09.2015

Date