



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

Measurement Certificate



Name of the course ATFS Bridge the Gap Half Marathon Distance 21.0975 km
 Location (state) WA (city) Puyallup
 Type of course: Road Race
 Measuring Methods: Bicycle
 Measured By Lisa Pyle, 404 186 Avenue Ct. E., Lake Tapps, WA 98391, gretelpoo63@gmail.com, 253-632-1287
 Race Contact Kim Field, allthingsfunsports@gmail.com, 253-592-9061
 Date(s) when course measured: 01/07/2024, 01/08/2024
 Number of measurements of entire course: 2 Course Configuration: Out and Back
 Elevation (meters above sea level) Start 8.00 Finish 8.00 Lowest 8.00 Highest 24.00
 Straight line distance between start and finish 0.0m Drop 0.00 m/km Separation 0.00 %
 Type of surface: Paved 100 % Dirt 0 % Gravel 0 % Grass 0 % Track 0 %
 Effective date of certification: January 10, 2024 Certification code: WA24002RMB

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: **2034**



AS NATIONALLY CERTIFIED BY:

Date: January 12, 2024

Bob Brennand - USATF/RRTC Certifier - 4113 Banbridge Loop SE, Olympia WA 98501
 (360) 310-0747 - bobbrennand@comcast.net

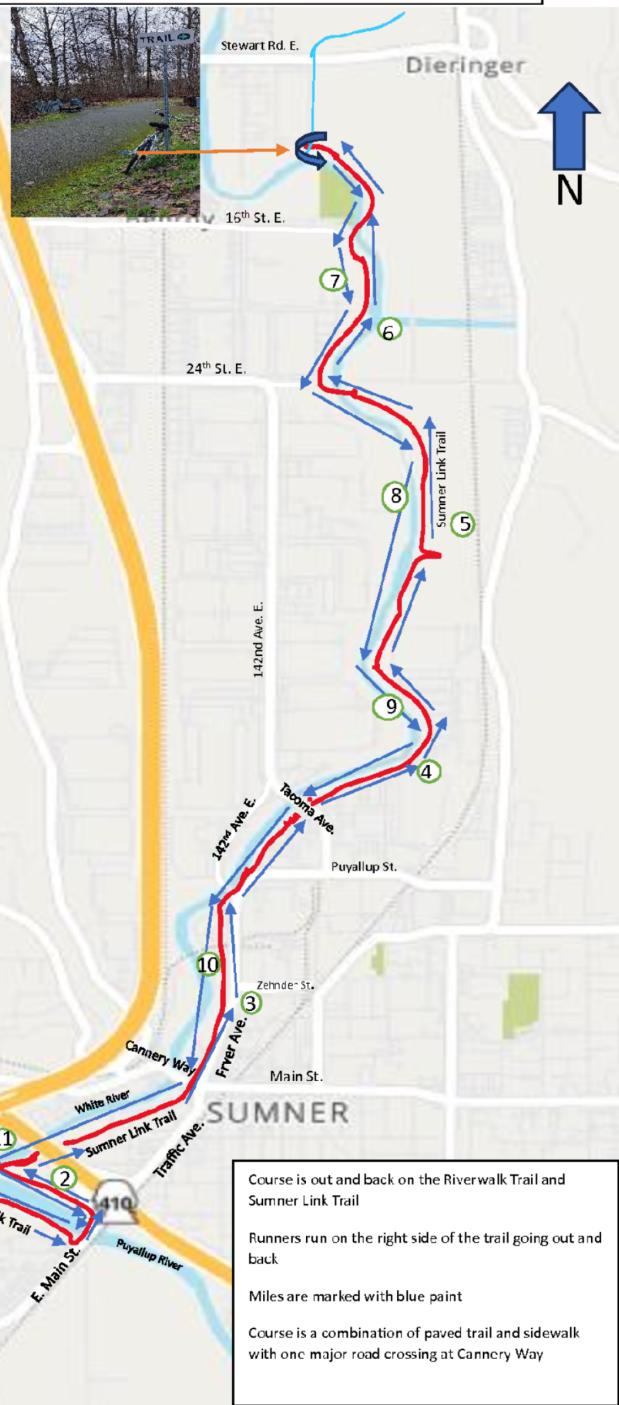
3329_map.png



USATF Certificate
 WA24002RMB
 Effective: 01/10/2024
 Through: 12/31/2034

ATFS Bridge the Gap Half Marathon Puyallup, WA Measured by Lisa Pyle Gretelpoo63@gmail.com 253-632-1287
 January 7&8, 2024 Todd Rd. Calibration Course 366.61m WA20010RMB MAP NOT TO SCALE

- START/FINISH** – in line with the east end of painted mural on concrete wall on the Riverwalk trail on the North side of the Puyallup Executive Park building (blue glass building) at 1011 E. Main St., Puyallup, WA
- MILE 1** – 194 ft. east of 911 marker #06-007 painted in the middle of the Riverwalk trail
- MILE 2** – 69 Ft. east of corner turn sign on the North side of Sumner Link trail, in line with the treatment plant on the North side of the trail
- MILE 3** – 1 Ft. north of power/tp pole 568820/156737 on the west side of Fryer Ave. at the intersection with Zehnder St. and 28 ft. south of the crosswalk sign.
- MILE 4** – 57 ft. west of trail bollard – trail bollard is 24 ft. west of crosswalk to cross 149th Ave. E. from the Sumner Link trail to REI building
- MILE 5** – 126 ft. north of the north side of a garbage can next to a bench on the east side of the Sumner Link trail
- MILE 6** – in line with second white pipe in fence on the west side of the Sumner Link trail and on the southern end of retention pond
- TURN AROUND** – 1 ft. west of trail directional sign on north side of the Sumner Link trail and 25 ft. east of bench on south side of the trail just before the trail curves to the north towards Stewart Rd. and along a warehouse building
- MILE 7** – approximately 400 ft. south of the 16th St. E. approach to the Sumner Link trail and approximately in the middle of the retention pond on the west side of the trail
- MILE 8** – near the south end of the agricultural field on the east side of the trail. In line with the entrance to gravel pit on the far east side of the field and railroad tracks.
- MILE 9** – 108 ft. south of the south side of garbage can next to bench that are near an information sign for the Sumner Link trail
- MILE 10** – 35 ft. north of the north end of 1516 Fryer Ave. Sekisui business sign and 109 ft. north of the volcano evacuation sign
- MILE 11** – 59 ft. north of the corner turn sign on the west side of the Sumner Link trail and approximately 115 ft. north of the Y in the trail
- MILE 12** – 98 ft. west of west side of garbage can next to bench on the north side of the Riverwalk trail and approximately 115 ft. west of picnic tables on the north side of the Riverwalk trail
- MILE 13** – 56 ft. east of large tree on the north side of the Riverwalk trail and the tree is directly across from a chain link gate on the south side of the Riverwalk trail



Course is out and back on the Riverwalk Trail and Sumner Link Trail
 Runners run on the right side of the trail going out and back
 Miles are marked with blue paint
 Course is a combination of paved trail and sidewalk with one major road crossing at Cannery Way

ATFS Bridge the Gap Half Marathon

Pre-Cal	1/7/2024	12:45 PM	41F
Ride	Start	Finish	Difference
1	197406	201447	4041
2	201447	205489	4042
3	205489	209531	4042
4	209531	213572	4041
Average			4041.5
Safety Factor			1.001
Cal Course Distance, m			366.61
Working Constant, count/km			11,035.0004

Post-Cal	1/8/2024	10:35 AM	39F
Ride	Start	Finish	Difference
1	685048	689091	4043
2	689091	693134	4043
3	693134	697177	4043
4	697177	701219	4042
Average			4042.75
Safety Factor			1.001
Cal Course Distance, m			366.61
Working Constant, count/km			11,038.41344

Ride 1

Lisa Pyle	Working Constant:	11,035.0004
1/7/2024	Start:	1:10 PM 42F
	Finish:	3:30 PM 42F

Ride 2

Lisa Pyle	Working Constant:	11,035.0004
1/8/2024	Start:	8:45 AM 39F
	Finish:	10:15 AM 39F

Distance	Counts	Meas Int
Start/0 mile	216400	0
1 mile	234159	17759
2 mile	251918	17759
3 mile	269678	17760
4 mile	287437	17759
5 mile	305196	17759
6 mile	322955	17759
10.54875 km	332806	9851
7 mile	340714	7908
8 mile	358473	17759
9 mile	376232	17759
10 mile	393991	17759
11 mile	411750	17759
12 mile	429510	17760
13 mile	447269	17759
21.0975 km	449211	1942
Total Count	232811	

Distance	Counts	Meas Int
Start/0 mile	451090	0
1 mile	468842	17752
2 mile	486577	17735
3 mile	504336	17759
4 mile	522078	17742
5 mile	539815	17737
6 mile	557576	17761
10.54875 km	567402	9826
7 mile	575317	7915
8 mile	593071	17754
9 mile	610810	17739
10 mile	628552	17742
11 mile	646309	17757
12 mile	664036	17727
13 mile	681800	17764
21.0975 km	683802	2002
Total Count	232712	

Measurement Length Calcs

	S-F Counts	Working Constant	Measured Length, km
Measurement #1	232811	11,035.00041	21.09751
Measurement #2	232712	11,035.00041	21.08854

Use lesser of Working Constant and Final Constant for Final Measurement

	S-F Counts	Working Constant	Measured Length, km
Measurement #1	232811	11,038.41344	21.09098
Measurement #2	232712	11,038.41344	21.08202

Measurement Comparison

Length Difference, km	0.00897
Percent Agreement	0.043%

Measurement Length Adjustment

Measured Length:	21.08202
Desired Length:	21.09750
Adjustment necessary, m:	15.48
Adjustment necessary, ft:	50.80

Applied Adjustment:

Added 50.8/2 = 25.4 = 25 ft 4.8 inches to the TA point