



AMAZON OF EUROPE BIKE TRAIL

D 5.2.1 Report on Route implementation
O 5.3 Functioning Amazon of Europe
Bike Trail

Northern route

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1. INTRODUCTION

The Amazon of Europe Bike Trail is a joint initiative of 5 countries to establish a long-distance bike trail along three rivers focusing on the territory of the 5-country UNESCO Biosphere Reserve Mura-Drava-Danube (TBR MDD), which has been officially designated in September 2021. The project is funded by the European Union (ERDF, IPA) within the framework of the Interreg Danube Transnational Programme, in the cooperation of 15 partners from 5 countries. The project aims to create a sustainable tourism product considering valorisation of natural and cultural resources as a basic pillar. The result of the project will be a unique brand and joint bookable sustainable tourism product, based on nature-oriented visitor guidance and equipped with commonly designed infrastructure (resting areas, info points) elements, offering an excellent nature and cycling experience at the same time.

The aim of current document is to give an overview about the results of route implementation process with specific regards to all infrastructure related elements that have been implemented in frame of the Amazon of Europe Bike Trail project.

This document is building on the contents of the “O.5.1. Amazon of Europe Bike Trail Route Plan”, which was prepared previously, in the middle of the project duration. In the route plan, 11 regional coordinators developed their respective route itinerary and laid down the basis of a successful route implementation by describing their intention regarding what and how do they want to implement in their area. After 1,5 years they had to summarize their progression, experiences, and results by preparing their regional route reports. The aim of this document is to provide a detailed overview on the results of the route implementation in each region of the involved five countries. In order to reach this goal, the regional route implementation reports were elaborated by the regional coordinators and the content of the already prepared route plan meant the most important basis.

Regional Coordinators / Name of organisation	Area responsible for
Tourism Association Region Bad Radkersburg	Austria
Municipality Velika Polana	Slovenia
West-Pannon Regional and Economic Development Public Nonprofit Ltd.	Hungary (Zala County)
Balaton-felvidéki National Park Directorate	Hungary (Zala County)
Entrepreneurs' Centre of Somogy County Foundation	Hungary (Somogy and Baranya Counties)
Tourism board of Međimurje county	Croatia (Međimurje County)
Koprivnica Križevci County	Croatia (Koprivnica Križevci County)
Public institution for management of protected parts of nature and ecological network in Virovitica Podravina county	Croatia (Virovitica Podravina County)
Public Institution Development Agency of Osijek-Baranja County	Croatia (Osijek-Baranja County)
Municipality of Apatin	Serbia
City of Sombor	Serbia

1. Table: List of regional coordinators with territories they are responsible for

West-Pannon Nonprofit Ltd. had multiple roles in the process of route implementation. Firstly, as a regional coordinator responsible for a specific region (Zala County), it needed to ensure that the route will be signposted in time, and the needed infra elements will be produced or purchased properly, then will be placed onto the field. During this task, Westpannon was facing the similar difficulties like the other regional coordinators did, especially in that period when nothing was going on fluently worldwide due to the pandemic situation.

Secondly, as work package leader of WP5, the most important task was the continuous monitoring of the implementation process. The tasks of Westpannon were during the route implementation phase:

- to ensure and check the consistency of the regional route itinerary proposals defined by respective coordinators - after the route plan, in several cases the route has changed – of course this changes couldn't be done without Westpannon as work package leader.
- it required continuous updates of the contents of the route plan, and also required continuous digitalization to keep update the itinerary

The route implementation report contains all the information regarding the route itself (with map, detailed tables about the route and its quality), the location of signposts (with pictures) and the location of other infrastructure elements (like infoboards, bike repair service station etc., with pictures) to document all the

work what the regional coordinators did. Additionally, this document will be the basis for the Booking Center and Amazon of Europe Bike Trail Destination Development Organization for the maintenance.

2. BRIEF SUMMARY OF THE ROUTE

The total length of the Amazon of Europe Bike Trail – without detours – is 1260 km, it has been divided into northern and southern routes which follow the Mura, Drava and Danube rivers on both sides and affect 5 countries - Austria, Slovenia, Croatia, Hungary and Serbia.

	Length of main route	Length of detours ¹
Total	1260 km	241 km
AoE BT Northern route	553 km	86 km
AoE BT Southern route	707 km	155 km

2. Table: Main figures of route lengths

The trail consists of several sections which can be passed and visited in one day by bicycle – called daily stages (the criteria of one single daily stage were defined in the common methodology). A total number of **27 daily stages are part of the trail**: 11 of them belong to the northern part of the route while the southern part of the route contains 16 daily stages. Each of them has an identifier which is a combination of a letter and a number. Letters “N” or “S” referring to northern or southern, while the continuous numbering of the stages starting from west to east, begins in Mureck, Austria. Stage points are start/end points of a daily stage, altogether 27 stage points have been selected along the entire trail. Besides the two main entry points / end points of the trail (Mureck and Mohács) city of Osijek in Croatia is the only spot where the two routes intersect each other but there are numerous other options (bridges, ferries) to change between routes.

The main route of the trail by definition is a continuous connection between two stage points without any bifurcation and has been defined in line with the set of criteria in the route planning methodology. It generally runs parallel to the rivers, but it is not necessarily using the closest road to them. Detours are connected to the main route where it is justifiable, often run perpendicularly to the rivers. A detour has been considered as justified if it creates a connection with natural/cultural sites closely related to the values of the project, offering river views, river access, or leading to popular natural or cultural sites, called them “must see” points. The total length of the detours regarding the entire trail is 241 km.

Total 11 daily stages have been defined along the northern route of the Amazon of Europe Bike Trail is 553 km. The average length of a daily stage on the northern route is 50,27 km, the shortest stage is N8 Szaporca-

¹ This is the length of the detour end points (usually a „must see” attraction or river viewpoint). The tourists have to cycle this length twice (to go there and back)

Villány with 37 km, while the longest one is just over 65 km (N7 Drávatamási-Szaporca). Daily stage N2 Murska Sobota-Lendava has extended detour sections (24 km) thus the combined length (main route + detours) is almost 65 km. The lengths of the stages on the northern route are more balanced compared to the southern.

Stage	Starting point	End point	Length of the main route	Length of the detours	Country
N 1	Mureck (AT)	Murska Sobota (SLO)	47,32 km	6,45 km	Austria & Slovenia
N 2	Murska Sobota (SLO)	Lendava (SLO)	40,22 km	23,91 km	Slovenia
N 3	Lendava (SLO)	Letenye (HU)	64,41 km	2,51 km	Slovenia & Hungary
N 4	Letenye (HU)	Gyékényes (HU)	45,03 km	4,89 km	Hungary
N 5	Gyékényes (HU)	Nagyatád (HU)	46,75 km	-	Hungary
N 6	Nagyatád (HU)	Drávatamási (HU)	48,54 km	12,92 km	Hungary
N 7	Drávatamási (HU)	Szaporca (HU)	65,22 km	10,42 km	Hungary
N 8	Szaporca (HU)	Villány (HU)	37 km	12,48 km	Hungary
N 9	Villány (HU)	Osijek (CRO)	54 km	2,48 km	Hungary & Croatia
N 10	Osijek (CRO)	Suza (CRO)	52,64 km	-	Croatia
N 11	Suza (CRO)	Mohács (HUN)	51,63 km	9,76 km	Croatia & Hungary
Total length of the northern route:			552,76 km	85,82 km	

3. Table: Daily stages of the Amazon of Europe Bike Trail's northern route

As result of the implementation process, the route has been equipped with different type of elements serving the cyclists. The numbers of the various installed items regarding the whole trail are the following:

1. 37 large info boards

2. 23 small info boards
3. 17 resting places
4. 50 other types of elements (17 bicycle repair stands, 26 bicycle racks, 4 solar benches, 2 solar lamps and one e-charging pillar for e-bicycles)
5. More than 1700 signposts/signs

The trail is similarly signposted everywhere in the affected regions, but in terms of the other elements, the territorial distribution is not equal among the stages. There are some areas where we can find many of them, while elsewhere need to cycle longer distances to encounter even one. Installing these elements was not obligatory for the partners, but regional coordinators commonly accepted that one large info board will be placed in every stage points. The northern route can be considered less well equipped compared to the south one, since only 2 out of the total 17 resting places, 1 out of 23 small info boards can be found somewhere along the northern sections. The exact places of all infrastructure elements have been listed, part of the annex of this document. The presentation of the installed infrastructure by stages is one of the main topics of this report.

3. STRUCTURE OF STAGE PRESENTATIONS

Regional implementation reports provided by the regional coordinators contain description and explanation about all the changes compared to the Amazon of Europe Bike Trail route plan, as well as provide relevant information regarding the implemented infrastructure (info boards, resting places, signposts, etc.). Based on this information, some important parts of the route plan can be updated and supplemented. This document goes through all 11 stages of the Northern route one by one, providing up-to-date content and presenting the result of route implementation. In case of each stage, the presentation follows the same structure and consists of five subchapters:

6. The first subchapter contains updated basic information about the respective daily stage which means the coordinates of the start and end points (stage points), total length, length of detours as well as the proportion of sections with unpaved surface. A simplified map shows the itinerary of the stage.
7. The second subchapter summarizes in a few sentences those main changes that happened in the past 1,5 years. All the information being mentioned here, has already been corrected.
8. Third subchapter is a brief summary about the daily stage.
9. Fourth subchapter with the title of “Information about the route and its condition” contains a table, using subsections as basic units. This table used to be the part of the route planning document as well, but now, this is the updated version based on the regional reports, so actually it presents the final version of each stage. The stages are divided into shorter stretches (subsections), in order to give a detailed picture on the route conditions. Every subsection has a unique identifier which is visible in the first column of the table. Second, third and fourth columns show their start and end points with coordinates (based on Google Maps) and their lengths. It also includes information regarding the type of the roads (bicycle lane, bicycle path, public road, etc.) and surface type (asphalt, gravel, dirt, grass, etc.) used by the trail. The last column is a quality-based classification of each stretch on a 3-point scale² which ensures comparability and helps to identify those parts where further improvement is needed. Traffic situation is not part of this classification, because it is focusing only on the physical condition of the roads. Anyway, the traffic related information can be found in the eighth column if data was available to the respective subsection. The unit of measure in these cases is annual average daily traffic (AADT).
10. Fifth and last subchapter is presenting the implemented infrastructure along the trail including all types of infrastructure elements. After a short textual description and few pictures, all the

² 3 stars: good quality, 2 stars: acceptable, 1 star: further improvement is needed

implemented elements (info boards, resting places, bike racks, repair stand, etc.) are listed one by one. Together with pictures and information about their location (coordinates) in order to each of them be accurately identifiable. An infrastructure element in a stage point technically belongs to two stages at the same time since the end point of a stage is the start point of the next stage, therefore certain elements (f.e. large info boards located at the stage points) are listed to two or more stages. The following table(s) are sharing similar information about the signposts and direction signs: coordinates of the location, size and type of the sign, textual content. Unfortunately, this part cannot be considered completed since in case of some stages these data are not available. Summarizing tables with the used number and type of signs along a specific stage are also often part of these chapters.

4. AMAZON OF EUROPE BIKE TRAIL – STAGE BY STAGE

4.1. N1 Mureck (AT) – Murska Sobota (SI)

4.1.1. Basic information

Start point of the daily stage: Mureck (AT), Austraße, coordinates: 46.704679 15.770654

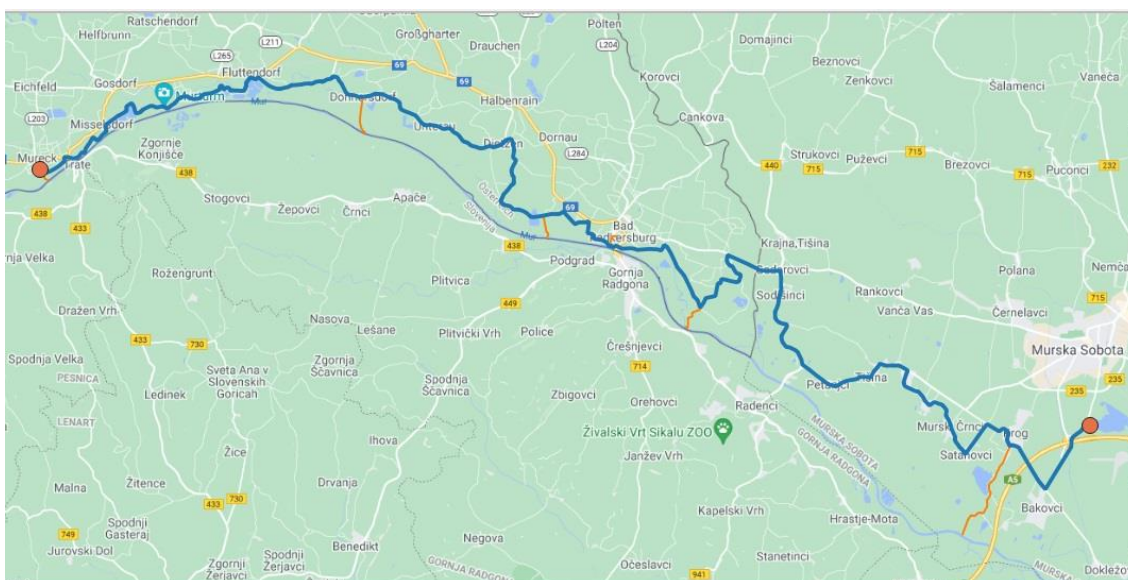
End point of the daily stage: Murska Sobota (SI), EXPANO, coordinates: 46.638579 16.165581

Length of the daily stage: 47,32 km

Length of the detour(s): 6,45 km

Length of the asphalt roads along the main route: 73,3% (34,7 km)

Length of the asphalt roads along the detour(s): 26,2 % (1,69 km)



1. Figure: Map of N1 stage Mureck - Murska Sobota

4.1.2. Changes compared to the route plan

The Austrian part of the daily stage remained unchanged and implemented according to the route plan. The Slovenian section of daily stage N1 has massively changed compared to the plans. Since the embankment is not suitable for cycling, the new track uses state/municipality roads through settlements, but the stage end point remained the same.

4.1.3. Short summary of the stage

Majority of this stage can be found in Austria, a shorter part (17,3 km) of it belongs to Slovenia. The route in Austria leads along the existing Muradweg R2 in the Biosphere Reserve with numerous attractive views on

the Mura river, and basically stays close to the river. The proportion of unpaved roads in the stage is relatively high, but they are mostly of excellent quality, well-maintained, suitable for cycling. On the Slovenian side, state/municipality roads – partially bicycle paths – are used all along, paved by asphalt.

As the path does not only lead through nature, but also through settlement areas, there are many services like gastronomy, overnight stay possibilities and cultural sights. Mureck, a small town is the starting point and Bad Radkersburg with its historic old town as well as Murska Sobota can be highlighted besides the nature on the river. In addition, mainly these three settlements can offer accommodation options at this stage.

Furthermore, the route has 4 connections to the south route in Slovenia. Three in Austria (Mureck, Donnersdorf, Bad Radkersburg) and one in Slovenia (Petanjci) and an additional ferry connection in Krog.

4.1.4. Information about the route and its condition

	Start point	End point	Length	Type of road	Type of the surface	Road no.	Traffic (AADT)	Quality
MAIN ROUTE								
N1/1	Mureck, Austraße	Röcksee	4 km	Cycling road, municipality road	asphalt			***
N1/2	Röcksee	Meinmühle (46.727248, 15.877528)	6,9 km	municipality road, forest road	gravel			***
N1/3	Meinmühle	Donnersdorf-Au (branch-off to the cycling bridge)	1,5 km	public road, municipality road	asphalt			***
N1/4	Donnersdorf-Au (branch-off to the cycling bridge)	Dietzen (46.708292, 15.940420)	4 km	municipality road	asphalt			***
N1/5	Dietzen	Leitersdorfweg, Dammweg crossroads (46.696931, 15.944419)	1,3 km	dyke	gravel			***
N1/6	Leitersdorfweg, Dammweg crossroads	Liebmannseestraße crossroad (46.692557, 15.958745)	1,45 km	municipality road	asphalt			***
N1/7	Liebmannseestraße crossroad	Crossroads Liebmannseestraße and road nr. 69 (46.695542, 15.969341)	0,82 km	municipality road	asphalt			***
N1/8	Crossroads Liebmannseestraße and road nr. 69	Altneudörfel (46.693832, 15.967830)	0,6 km	municipality road	asphalt			***
N1/9	Altneudörfel	Prentlweg (46.690559, 15.972389)	0,5 km	cycling route	gravel			***

N1/10	Prentlweg	Roundabout (road B69- Prentlstraße) (46.691439, 15.977450)	0,42 km	municipality road	asphalt			***
N1/11	Roundabout (road B69- Prentlstraße)	Bad Radkersburg, Entrance of Parktherme (46.686938, 15.979007)	0,64 km	municipality road	asphalt			***
N1/12	Bad Radkersburg, Entrance of Parktherme	Bad Radkersburg, intersection of Badstraße and Grazertorplatz (46.685097, 15.985869)	0,61 km	municipality road	asphalt			***
N1/13	Bad Radkersburg, intersection of Badstraße and Grazertorplatz	Bad Radkersburg, border bridge 46.684906, 15.987963	0,19 km	municipality road	asphalt			***
N1/14	Bad Radkersburg, border bridge	intersection of Kläranlageweg, Selenkoteich Weg 46.683735, 16.004569	1,3 km	Cycling street, municipality road	asphalt			***
N1/15	intersection of Kläranlageweg, Selenkoteich Weg	Laafeld, south 46.685292, 16.005781	0,19 km	municipality road	asphalt			***
N1/16	Laafeld, south	Grabenwiesen Weg-Oberer Wiesen Weg 46.669038, 16.019191	2,1 km	forest road	gravel			***
N1/17	Grabenwiesen Weg- Oberer Wiesen Weg	Intersection south of Sieldorf 46.676797, 16.034379	1,82 km	forest road	gravel			***
N1/18	Intersection south of Sieldorf 46.676797, 16.034379	Crossroads of Doktor-Schwaiger- Straße 46.682886, 16.029595	0,9 km	municipality road	asphalt			***
N1/19	Crossroads of Doktor- Schwaiger-Straße	Border Sieldorf 46.679070, 16.040746	0,8 km	municipality road	asphalt			***
N1/20	Border Sieldorf	Petanjci, intersection of roads nr. 440 and nr. 235 46.651012, 16.051375	4 km	public road	asphalt			***
N1/21	Petanjci, intersection of roads nr. 440 and nr. 235	Tropovci, intersection of road nr. 235 and	3,54 km	shared pedestrian/bicycle path	asphalt			***

		Kolesarska ulica 46.651012, 16.051375						
N1/22	Tropovci, intersection of road nr. 235 and Kolesarska ulica	Intersection, north of Satahovci 46.638966, 16.127198	4,53 km	municipality road	asphalt			***
N1/23	Intersection, north of Satahovci	Krog, intersection of Trubarjeva ulica and Brodarska ulica 46.633475, 16.135416	1,1 km	public road	asphalt			***
N1/24	Krog, intersection of Trubarjeva ulica and Brodarska ulica	Bakovci, intersection of Soboška ulica and Panonska ulica 46.622182, 16.148968	1,7 km	public road	asphalt			***
N1/25	Bakovci, intersection of Soboška ulica and Panonska ulica	Bakovci, north end 46.623469, 16.150146	0,19 km	shared pedestrian/bicycle path	asphalt			***
N1/26	Bakovci, north end	Murska Sobota, EXPANO 46.638579 16.165581	2,22 km	bicycle path	asphalt			***
DETOURS								
N1/D1	Mureck, Austraße	Mureck, ship mill	0,24 km		gravel			***
N1/D2	Donnersdorf-Au (branch-off to the cycling bridge)	Cycling bridge	1,05 km	municipality road	asphalt and gravel			***
N1/D3	Liebmannseestraße crossroad	Mura river viewpoint (46.687272, 15.961814)	0,65 km	forest road	gravel, dirt road			***
N1/D4	Bad Radkersburg, intersection of Badstraße and Grazertorplatz	Bad Radkersburg, Hauptplatz (46.687494, 15.987354)	0,4 km	municipality road	asphalt			***
N1/D5	Grabenwiesen Weg-Oberer Wiesen Weg	Confluence of Mura and Drauchenbach creek (46.664014, 16.013786)	0,91 km	forest road	gravel			***
N1/D6	Krog, intersection of Trubarjeva ulica and Brodarska ulica	Krog, ferry	3,2 km	municipality road, forest road	asphalt, dirt			***

4. Table: Subsections of N1 stage

4.1.5. Implemented infrastructure

Total 4 info boards have been installed along stage N1. A large info board have been placed in Mureck, which is starting point of the Amazon of Europe Bike Trail, and a further small info board was placed at the river`school near Donnersdorf. There is a large info board at the Austria-Slovenia border (Sodišinci), while Murska Sobota is the location of the fourth one. Along the Austrian section the total number of road signs is 70. Placement of the road signs in the Slovenian side was ongoing at the time this document has been finalized, therefore the locations in related table below has been filled in according to the signposting plan (elaborate).



2-3. Figures: AoE BT road signs in Austria

Stage N1

Nr.	Type	Latitude (in google map form)	Longitude (in google map form)	Name of the location
1.	Large info board, start point of S1 and the whole Amazon of Europe Bike Trail	46.704679	15.770654	Mureck, Austria
				
2.	Small info board	46.723358	15.892370	Donnersdorf, Austria
				
3.	Large info board	46.678866	16.040981	Sodišinci, Slovenia
				

4.	Large info board, end point of stage N1	46.638579	16.165581	Murska Sobota, Slovenia
No photo available				

5. Table: Installed infrastructure elements along stage N1

Stage N1 – road signs			
Nr.	Direction	Latitude (in google map form)	Longitude (in google map form) Information
1.	left	46.704763	15.771843
2.	right	46.703615	15.772636
3.	left	46.703615	15.772636
4.	right	46.707790	15.780217
5.	left	46.707790	15.780217
6.	straight	46.707644	15.784578
7.	straight	46.707644	15.784578
8.	left	46.712978	15.791096
9.	right	46.712978	15.791096
10.	right	46.716252	15.795961
11.	left	46.716252	15.795961
12.	straight	46.719122	15.807401
13.	straight	46.719122	15.807401
14.	straight	46.722446	15.822807
15.	straight	46.722446	15.822807
16.	left	46.726345	15.838797
17.	right	46.726345	15.838797
18.	right	46.728367	15.853157
19.	left	46.728367	15.853157
20.	right	46.726423	15.865516
21.	right	46.728724	15.881213
22.	left	46.728724	15.881213
23.	right	46.728399	15.882827
24.	straight	46.724083	15.899683
25.	straight	46.724083	15.899683
26.	straight	46.718291	15.912781
27.	straight	46.718291	15.912781
28.	right	46.712411	15.946091

29.	left	46.712411	15.946091
30.	right	46.712493	15.948033
31.	left	46.712493	15.948033
32.	right	46.706953	15.950069
33.	left	46.706953	15.950069
34.	right	46.693796	15.967847
35.	left	46.693796	15.967847
36.	right	46.690544	15.972354
37.	left	46.690544	15.972354
38.	right	46.690758	15.972526
39.	left	46.690758	15.972526
40.	right	46.691325	15.977466
41.	left	46.691325	15.977466
42.	right	46.688293	15.976769
43.	left	46.688293	15.976769
44.	right	46.687795	15.979183
45.	left	46.687795	15.979183
46.	right	46.687020	15.978866
47.	left	46.687020	15.978866
48.	right	46.685064	15.985872
49.	left	46.685064	15.985872
50.	straight	46.684707	15.988347
51.	straight	46.684707	15.988347
52.	straight	46.683955	15.995640
53.	straight	46.683955	15.995640
54.	right	46.683740	16.004601
55.	left	46.683740	16.004601
56.	right	46.685297	16.005837
57.	left	46.685297	16.005837
58.	right	46.669028	16.019237
59.	straight	46.672618	16.025049
60.	straight	46.672618	16.025049
61.	right	46.675305	16.025867
62.	left	46.675305	16.025867
63.	right	46.676450	16.027228
64.	left	46.676450	16.027228
65.	straight	46.677481	16.034445
66.	straight	46.677481	16.034445
67.	straight	46.680112	16.030203
68.	straight	46.680112	16.030203
69.	right	46.682820	16.029623
70.	left	46.682820	16.029623
71.	straight	46.678888	16.041505

72.	straight	46.678499	16.043429
73.	right	46.678567	16.048892
74.	straight	46.678794	16.049448
75.	right	46.678794	16.049448
76.	left	46.678794	16.049856
77.	straight	46.677883	, 16.049745
78.	straight	46.664757	16.051750
79.	straight	46.664524	16.051837
80.	left	46.654296	16.057558
81.	right	46.654296	16.057558
82.	straight	46.654134	16.057668
83.	left	46.654134	16.057668
84.	straight	46.654369	16.057792
85.	straight	46.651175	16.083176
86.	straight	46.651193	16.083608
87.	straight	46.654043	16.093318
88.	left	46.654275	16.093825
89.	left	46.654233	16.093307
90.	straight	46.654233	16.093307
91.	right	46.653091	16.096482
92.	left	46.652587	16.097273
93.	straight	46.652764	16.097720
94.	left	46.652764	16.097720
95.	straight	46.645476	16.103327
96.	straight	46.645537	16.103366
97.	straight	46.643778	16.105574
98.	straight	46.643663	16.105732
99.	straight	46.644681	16.106923
100.	straight	46.644604	16.107151
101.	right	46.631471	16.119150
102.	straight	46.631257	16.119112
103.	left	46.631257	16.119112
104.	straight	46.638860	16.127315
105.	left	46.638972	16.127012
106.	right	46.636727	16.135075
107.	left	46.636462	16.135303
108.	straight	46.636868	16.135845
109.	left	46.636868	16.135845
110.	straight left	46.633618	16.135202
111.	straight right	46.633465	16.135819
112.	left	46.633220	16.135551
113.	right	46.633220	16.135551

6. Table: Installed infrastructure elements along stage N1

4.2. N2 Murska Sobota (SI) – Lendava (SI)

4.2.1. Basic information

Start point of the daily stage: Murska Sobota (SI), EXPANO (coordinates: 46.638579, 16.165581)

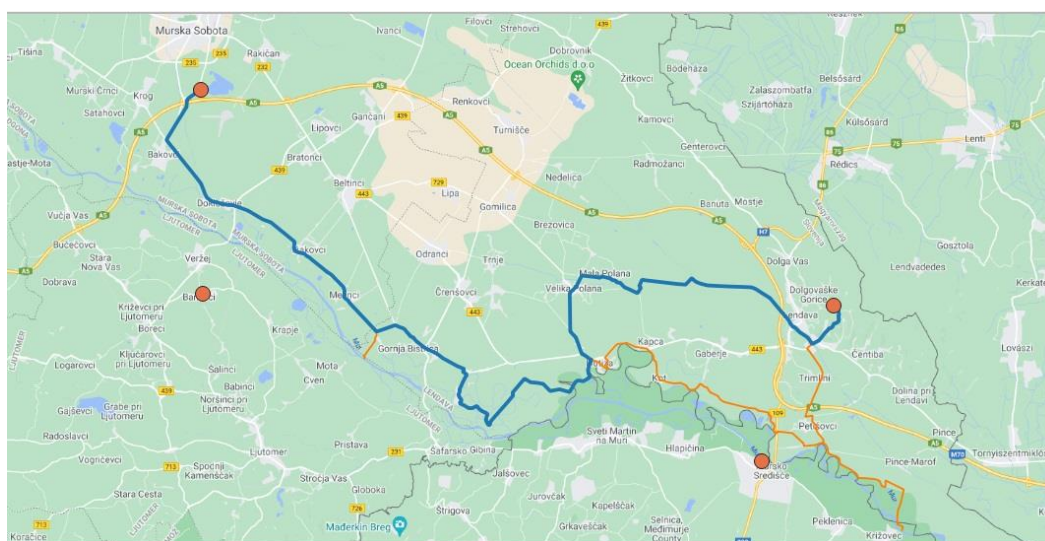
End point of the daily stage: Lendava (Slovenia), intersection of Tomšičeva ulica - Kranjčeva ulica (coordinates: 46.555903 16.461126)

Length of the daily stage: 40,22 km

Length of the detour(s): 23,91 km

Length of the asphalt roads along the main route: 70,1 % (28,22 km)

Length of the asphalt roads along the detour(s): 52% (12,33 km)



4. Figure: Map of stage N2: Murska Sobota-Lendava

4.2.2. Changes compared to the route plan

Regrading stage N2, considerable changes happened compared to the content of the route plan. The western section of the daily stage was affected most intensively by the changes, the trail between Banovci and Srednja Bistrica uses a completely new track. Due to rideability reasons, the regional coordinator decided to select another route to link the two above mentioned settlements, which is 100% asphalt surface, and the volume of traffic is very low on it. However, the previous one was closer to the Mura river, but the rideability of the used forest roads, and embankment were very questionable, particularly in case of bad weather conditions. This change resulted that the length of the stage shortened by 3 km.

Since the large information board in Lendava have been installed in the “Arboretum šolski gaj” (at the intersection of Tomšičeva ulica - Kranjčeva ulica; coordinates: 46.555871, 16.461373), the exact stage point is

relocated from the Vinarium tower. Therefore, the length of stage N2 shortened, while the length of stage N3 extended by 1,76 km.

4.2.3. Short summary of the stage

The total length of this stage leads through Slovenia. Besides 40 km of main route, it contains 24 km detours as well, altogether the itinerary covers the whole riverside of Mura river between Bakovci and Benica. Along the route there are numerous beautiful river views, nature sites, mills, educational paths, the unique attraction of Stork Village Velika Polana to visit, availability of services is not a problem since the route goes through a lot of settlements. Besides the stage points Murska Sobota and Lendava, there are some additional places with good quality accommodations and services (e.g. Velika Polana). Furthermore, the route has 4 connections to the southern route: bridges near Dokležovje and Srednja Bistrica, ferries near Ižakovci (Otok ljubezni) and Gornja Bistrica (Tinekov brod).

4.2.4. Information about the route and its condition

	Start point	End point	Length	Type of road	Type of the surface	Road no.	Traffic (AADT)	Quality
MAIN ROUTE								
N2/1	Murska Sobota, EXPANO	Bakovci, north end 46.623469, 16.150146	2,22 km	bicycle path	asphalt			***
N2/2	Bakovci, north end	Bakovci, intersection 46.622178, 16.148966	0,19 km	shared pedestrian/bicycle path	asphalt			***
N2/3	Bakovci, intersection	Ižakovci 46.584977, 16.213071	6,81 km	municipality roads	asphalt			***
N2/4	Ižakovci	Gornja Bistrica, west 46.559121, 16.249566	4 km	municipality roads	asphalt			***
N2/5	Gornja Bistrica, west	Srednja Bistrica, intersection 46.553791, 16.273058	2,2 km	municipality roads	asphalt			***
N2/6	Srednja Bistrica, intersection	Srednja Bistrica east end 46.550612, 16.280926	0,7 km	municipality road	asphalt			***
N2/7	Srednja Bistrica east end	Dolnja Bistrica west end 46.546656, 16.291953	0,95 km	shared pedestrian/bicycle path	asphalt			***

N2/8	Dolnja Bistrica west end	Dolnja Bistrica southeast 46.531862, 16.303140	2,84 km	municipality roads	asphalt			***
N2/9	Dolnja Bistrica southeast	Brezovec - del 46.542722, 16.347796	5,1 km	forest roads	gravel			**
N2/10	Brezovec - del	Hotiza, Nograd 46.549634, 16.353192	1,06 km	municipality roads	asphalt			***
N2/11	Hotiza, Nograd	Ložič, south 46.551626, 16.348262	0,39 km	separated bicycle path	asphalt			***
N2/12	Ložič, south	Ložič, north 46.556666, 16.345796	0,59 km	public road	asphalt	729		***
N2/13	Ložič, north	Velika Polana, south 46.570577, 16.342541	1,63 km	bicycle path	asphalt			***
N2/14	Velika Polana, south	Velika Polana, north 46.575492, 16.346712	0,68 km	public road, municipality road	asphalt	729		***
N2/15	Velika Polana, north	Mala Polana, west 46.576921, 16.355296	0,8 km	bicycle path	asphalt			***
N2/16	Mala Polana, west	Mala Polana, east 46.571660, 16.375078	1,74 km	municipality road	asphalt			***
N2/17	Mala Polana, east	Copekov mlin 46.575292, 16.378048	0,5 km		gravel			***
N2/18	Copekov mlin	Lendava, Kolodvorska ulica 46.561933, 16.448116	6,42 km		gravel			**
N2/19	Lendava, Kolodvorska ulica	Lendava, Tomšičeva ulica 46.560383, 16.449927	0,22 km	municipality road	asphalt			***
N2/20	Lendava, Tomšičeva ulica	Lendava, Tomšičeva ulica - Kranjčeva ulica intersection 46.555871, 16.461373	1,18 km	bicycle path	asphalt			***
DETOURS								
N2/D1-1	Ižakovci	Ižakovci south 46.581057, 16.213347	0,47 km	municipality road	asphalt			***
N2/D1-2	Ižakovci south	Otok ljubezni 46.579306, 16.208079	0,72 km		gravel			***

N2/D2-1	Gornja Bistrica, west	Gornja Bistrica, intersection to Tinekov brod 46.557678, 16.249891	0,16 km	municipality road	asphalt			***
N2/D2-2	Gornja Bistrica, intersection to Tinekov brod	Tinekov brod 46.550361, 16.244157	0,95 km		gravel			***
N2/D3	Srednja Bistrica, intersection	Gornja Bistrica bridge 46.539175, 16.273043	1,64 km	public road	asphalt	726		***
N2/D4-1	Hotiza, Nograd	Hotiza, church 46.550404, 16.359428	1,17 km	municipality roads	asphalt			***
N2/D4-2	Hotiza, church	Hotiza north 46.551814, 16.361336	0,2 km	public road	asphalt	443		***
N2/D4-3	Hotiza north	Kapca west 46.554279, 16.373017	1,08 km	separated bicycle path	asphalt			***
N2/D4-4	Kapca west	Kapca, Glavna ulica - Ribiška ulica intersection 46.553320, 16.379697	0,54 km	public road	asphalt	443		***
N2/D4-5	Kapca, Glavna ulica - Ribiška ulica intersection	Kot, east 46.542870, 16.387414	1,43 km	municipality roads	asphalt			***
N2/D4-6	Kot, east	Road 109 intersection -south 46.526100, 16.441968	5,36 km	forest/agricultural roads	gravel, dirt			**
N2/D4-7	Road 109 intersection -south	Petišovci, west 1 46.525664, 16.449281	0,54 km	municipality road	asphalt			***
N2/D4-8	Petišovci, west 1	Petišovci, west 2 46.522199, 16.454572	0,57 km		gravel			**
N2/D4-9	Petišovci, west 2	Petišovci, southeast 46.522398, 16.464218	0,83 km		asphalt			***
N2/D4-10	Petišovci, southeast	Petišovci, north 46.530891, 16.455523	1,53 km	municipality roads	asphalt			***
N2/D4-11-1	Petišovci, southeast	Embankment-gravel road intersection south of Benica 46.506030, 16.502495	3,82 km	embankment	dirt, grass (partly asphalt)			**

N2/D4-11-2	Embankment-gravel road intersection south of Benica	Mura riverside, south of Benica 46.496764, 16.499280	0,96 km		gravel			**
N2/D4-12	Petišovci, north	Lendava, Tomšičeva ulica 46.560383, 16.449927	3,07 km	shared pedestrian/bicycle path	asphalt			***

7. Table: Subsections of N2 stage

4.2.5. Implemented infrastructure

Regarding stage N2, two large info boards have been placed in the two stage points: Murska Sobota and Lendava, and three additional large info boards in the certain settlements that the trail intersects (Ižakovci, Gornja Bistrica, Velika Polana), so the total number of info boards is 5. Resting place or other type of infrastructure element have not been placed along the stage.



5. Figure: Sample of a road sign in Slovenia (with AoE BT logo and QR code)

Stage N2				
Nr.	Type	Latitude (in google map form)	Longitude (in google map form)	Name of the location
1.	Large info board, start point of stage N2	46.638579	16.165581	Murska Sobota
No photo available				
2.	Large info board	46.580384	16.208398	Ižakovci
				
3.	Large info board	46.559255	16.249593	Gornja Bistrica
No photo available				
4.	Large info board	46.573569	16.344325	Velika Polana
				
5.	Large info board, end point of stage N2	46.555903	16.461126	Lendava
				

8. Table: Placed infrastructure elements along stage N2

Stage N2 – road signs

Nr.	Direction	Latitude (in google map form)	Longitude (in google map form) Information
1.	straight	46.622034	16.148996
2.	straight	46.618901	16.152681
3.	straight	46.619062	16.152636
4.	straight	46.605281	16.167062
5.	straight	46.605026	16.167066
6.	straight	46.600447	16.181528
7.	straight	46.600354	16.182347
8.	left	46.600734	16.182052
9.	right	46.600734	16.182052
10.	left	46.599927	16.181891
11.	right	46.599927	16.181891
12.	straight	46.595314	16.198117
13.	straight	46.595150	16.198361
14.	straight	46.586767	16.210104
15.	straight	46.587013	16.210328
16.	straight	46.583733	16.216768
17.	straight	46.583884	16.216520
18.	straight	46.573495	16.234243
19.	straight	46.573223	16.234141
20.	straight	46.568449	16.237004
21.	straight	46.568292	16.237025
22.	straight	46.559006	16.249946
23.	straight	46.559193	16.249604
24.	left	46.558715	16.249698
25.	right	46.558715	16.249698
26.	straight	46.561041	16.258937
27.	straight	46.561052	16.258637
28.	straight	46.553695	16.272969
29.	straight	46.553496	16.273135
30.	straight	46.550600	16.280849
31.	straight	46.550747	16.280944
32.	straight	46.546663	16.291876
33.	right	46.546663	16.291876
34.	left	46.545816	16.291147
35.	right	46.545796	16.291236
36.	left	46.544738	16.293277
37.	right	46.544812	16.293140
38.	right	46.544882	16.293376

39.	straight	46.544882	16.293376
40.	straight	46.538222	16.289217
41.	straight	46.538013	16.289126
42.	straight	46.535438	16.289677
43.	straight	46.535489	16.289815
44.	straight	46.534585	16.297950
45.	straight	46.534458	16.298063
46.	right	46.531988	16.302846
47.	left	46.531667	16.303146
48.	right	46.528359	16.304371
49.	left	46.528249	16.304298
50.	straight	46.538902	16.315049
51.	straight	46.539011	16.315210
52.	straight	46.543059	16.321854
53.	straight	46.543010	16.321944
54.	left	46.539443	16.333055
55.	right	46.539492	16.333245
56.	left	46.539125	16.342412
57.	right	46.539256	16.342586
58.	straight	46.542699	16.347853
59.	straight	46.542760	16.347649
60.	straight	46.544548	16.352176
61.	straight	46.544429	16.352137
62.	straight	46.549231	16.352791
63.	right	46.549231	16.352791
64.	left	46.549574	16.353333
65.	right	46.549784	16.352381
66.	straight	46.549315	16.352639
67.	right	46.549953	16.352389
68.	left	46.551704	16.348067
69.	straight	46.551486	16.348189
70.	straight	46.551736	16.348388
71.	left	46.556695	16.345879
72.	left	46.556626	16.345707
73.	straight	46.556691	16.345710
74.	straight	46.559651	16.342721
75.	straight	46.559549	16.342655
76.	straight	46.567730	16.342467
77.	straight	46.567972	16.342494
78.	left	46.570556	16.342485
79.	straight	46.570543	16.342450
80.	straight right	46.573072	16.344395
81.	straight left	46.573365	16.345136

82.	straight	46.573675	16.345573
83.	straight	46.573545	16.345223
84.	straight left	46.573220	16.344346
85.	straight left	46.573507	16.343511
86.	straight right	46.573507	16.343511
87.	right	46.575357	16.346690
88.	straight	46.575514	16.346816
89.	left	46.575510	16.346786
90.	straight	46.577371	16.348165
91.	straight	46.577391	16.348291
92.	right	46.576880	16.355283
93.	straight	46.576906	16.355216
94.	left	46.576980	16.355313
95.	straight	46.575889	16.364695
96.	straight	46.576066	16.364558
97.	straight	46.571658	16.375138
98.	straight	46.571724	16.374959
99.	straight	46.573620	16.376664
100.	straight	46.573555	16.376626
101.	straight	46.576105	16.377152
102.	straight	46.576070	16.377393
103.	straight	46.576747	16.401038
104.	straight	46.576664	16.401121
105.	straight	46.573838	16.420697
106.	straight	46.573911	16.420158
107.	straight	46.565771	16.443764
108.	straight	46.565372	16.443852
109.	left	46.560431	16.449756
110.	right	46.560443	16.450216
111.	straight	46.560443	16.450216
112.	right	46.560546	16.450070
113.	left	46.560546	16.450070
114.	left	46.560542	16.450392
115.	straight	46.554914	16.458662
116.	straight	46.555014	16.458841
117.	left	46.554829	16.459048
118.	left	46.553487	16.456153
119.	left	46.553304	16.456316
120.	straight	46.553304	16.456316
121.	right	46.553344	16.456411
122.	straight	46.542779	16.462595
123.	straight	46.542853	16.462761
124.	straight	46.535822	16.458414

125.	straight	46.535680	16.458293
126.	left	46.531124	16.455534
127.	straight	46.530858	16.455620
128.	straight	46.530990	16.455653
129.	straight	46.531065	16.458834
130.	straight	46.531249	16.458552
131.	straight	46.527923	16.461293
132.	straight	46.528108	16.461335
133.	straight	46.527312	16.460630
134.	straight	46.527072	16.460296
135.	straight	46.522461	16.464320
136.	straight	46.522413	16.463947
137.	straight	46.522217	16.464235
138.	straight	46.522217	16.464235
139.	straight	46.519945	16.466599
140.	straight	46.519945	16.466599
141.	straight	46.519706	16.466511
142.	straight	46.519706	16.466511
143.	straight	46.519016	16.466663
144.	straight	46.519016	16.466663
145.	straight	46.507820	16.494033
146.	straight	46.507820	16.494033
147.	straight	46.507821	16.494124
148.	straight	46.507821	16.494124
149.	straight	46.509878	16.493924
150.	straight	46.509878	16.493924
151.	straight	46.509836	16.494072
152.	straight	46.509836	16.494072
153.	straight	46.507244	16.502261
154.	straight	46.507244	16.502261
155.	straight	46.507235	16.502563
156.	straight	46.506879	16.502711
157.	straight	46.512420	16.506053
158.	straight	46.512420	16.506053
159.	straight	46.512427	16.506350
160.	straight	46.521239	16.454914
161.	straight	46.521335	16.454862
162.	straight	46.525636	16.449010
163.	straight	46.525756	16.448793
164.	straight	46.526035	16.442106
165.	right	46.526109	16.441734
166.	straight	46.531743	16.437925
167.	straight	46.531866	16.437855

168.	straight	46.532285	16.437930
169.	straight	46.532369	16.438011
170.	straight	46.534383	16.425216
171.	straight	46.534543	16.424891
172.	straight	46.536657	16.414820
173.	straight	46.536496	16.414989
174.	straight	46.541866	16.405545
175.	straight	46.541681	16.405684
176.	straight	46.542097	16.390834
177.	straight	46.542186	16.390611
178.	straight	46.543045	16.385920
179.	straight	46.542941	16.386026
180.	straight	46.551003	16.382579
181.	straight	46.550740	16.382518
182.	straight	46.553251	16.379571
183.	straight	46.553400	16.379440
184.	straight	46.554166	16.373069
185.	straight	46.554356	16.372921
186.	straight	46.551853	16.361387
187.	straight	46.551841	16.361064
188.	straight	46.550399	16.359551
189.	straight	46.550299	16.359409
190.	straight	46.549464	16.360763
191.	straight	46.549375	16.360699
192.	straight	46.547133	16.360857
193.	straight	46.546953	16.360914
194.	straight	46.547714	16.358202
195.	straight	46.547620	16.358199
196.	straight	46.548629	16.356864
197.	straight	46.548810	16.356668

9. Table: Location and direction of the placed signs along stage N2

4.3. N3 Lendava (SI) – Letenye (HU)

4.3.1. Basic information

Start point of the daily stage: Lendava (Slovenia), intersection of Tomšičeva ulica - Kranjčeva ulica (coordinates: 46.555903 16.461126)

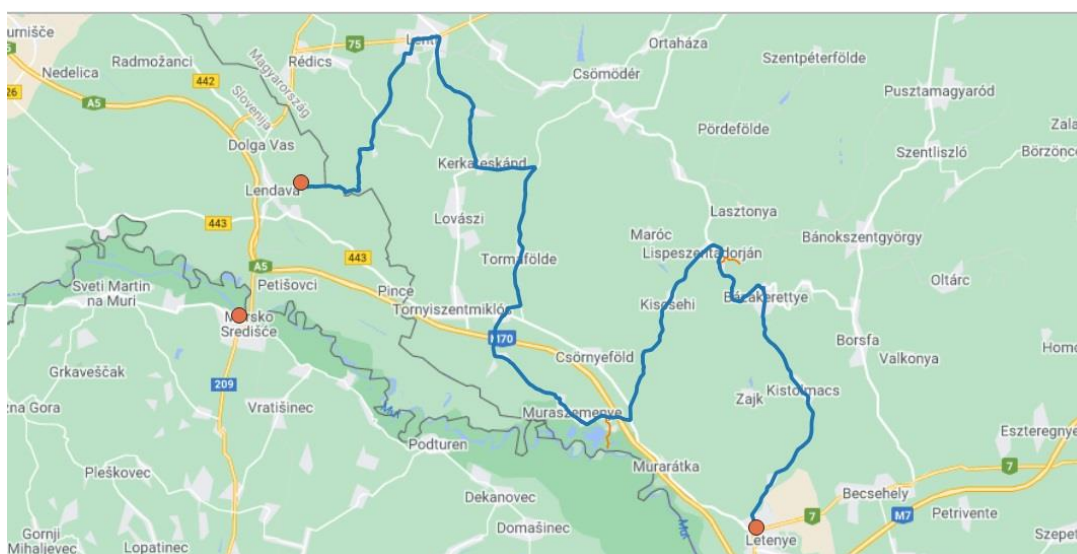
End point of the daily stage: Letenye (Hungary), city center (coordinates: 46.434660, 16.724318)

Length of the daily stage: 64,41 km

Length of the detour(s): 2,51 km

Length of the asphalt roads along the main route: 99% (63,8 km)

Length of the asphalt roads along the detour(s): 63% (1,59 km)



6. Figure: Map of daily stage between Lendava and Letenye

4.3.2. Changes compared to the route plan

In case of stage N3, the exact locations of both stage points were modified due to the placement of the large information boards. In Lendava, it has been installed in the “Arboretum šolski gaj” (at the intersection of Tomšičeva ulica - Kranjčeva ulica) instead of the Vinarium. In Letenye, local municipality did not allow to place this infrastructure in front of the Szapáry- Andrásy castle, therefore it has been installed in the park in front of the entrance of the thermal bath and camping, which is located 100-150 meters further from the previous spot.

The structure of detours has significantly changed compared to the plans. The lookout tower in Tormafölde had to be demolished, thus the related detour has been deleted. The other detours have also been removed, the stretch to the Lendva creek south of Kerkaszentkirály, neither the section to Mura Carp Lakes in

Muraszemenye are not part of the trail anymore. Due to ownership issues (private property) the signposting of these sections would have been very problematic. Furthermore, one new detour has been added to the route that leads up to the lookout tower in Lipeszentadorján.

4.3.3. Short summary of the stage

This is a longer stage with its more than 64 km main route and 2,5 km additional routes. For the reason to fit to the methodology as much as it possible (safety reasons, nature related attractions), the route moves away from the Mura river two times within the stage, then approaches it again. Cyclists can enjoy different landscapes in one day, they can visit a variety of nature attractions in the floodplain such as smaller sidearms of the river Mura (Kerka, Lendva, etc.) as well as the nearby hills. Furthermore, they have the opportunity to combine cycling with other available activities (canoeing, rafting or forest train ride) which makes this stage a complex in terms of the offered experience. The number of direct access points to the river Mura is very limited in this area, but a detour ensures a possibility to reach the riverside. Almost all settlements along the route have at least a small shop where cyclists can buy basic food or drink, while the start/end points as well as Lenti and Bázakerettye can offer the widest available range of accommodations, restaurants and other (bike) related services.

Majority of the proposed route has asphalted surface but in various quality (from excellent to poor), including separated bicycle paths and low traffic public and municipality roads. It contains only one short (~0,6 km long) section where cyclist must use the public road without separated bicycle lane or paths, while the traffic is not low, but moderate. Only a minimal proportion (3km) of the sections can be described as roads with non-asphalted surface (gravel or dirt roads), all of these are detours which lead to the riverside. This means that the stage can be comfortably completed with an average (trekking) bicycle.

4.3.4. Information about the route and its condition

	Start point	End point	Length	Type of road	Type of the surface	Road no.	Traffic (AADT)	Quality
MAIN ROUTE								
N3/1	Lendava, Tomšičeva ulica - Kranjčeva ulica intersection	Lendava, Vinarium 46.567550, 16.467801	1,76 km	municipality roads	asphalt			***
N3/2	Lendava (Vinarium tower)	Lendava-Dedeskecskés intermediate point - 46.566680, 16.501135	3,33 km	municipality road	asphalt			***

N3/3	Lendava-Dedeskecskés intermediate point	Rédics (Dedeskecskés)	1,23 km	municipality road	asphalt, gravel mixed			***
N3/4	Rédics (Dedeskecskés)	Lendvadedes road crossing	0,75 km	bicycle/walking path	asphalt			***
N3/5	Lendvadedes road crossing	Lendvadedes lake	0,67 km	municipality road	asphalt	75155	1218	***
N3/6	Lendvadedes lake	Lenti (Lovarda utca)	3,87 km	bicycle path	asphalt			***
N3/7	Lenti (Lovarda utca)	Lenti (Petőfi út – Harangláb út crossing)	2,50 km	municipality roads	asphalt			***
N3/8	Lenti (Petőfi út – Harangláb út crossing)	Lenti (Máhomfa), Bedőmajor bus stop	3,76 km	bicycle path	asphalt			***
N3/9	Lenti (Máhomfa), Bedőmajor bus stop	Kerkateskánd, Petőfi Sándor u. 1.	1,74 km	bicycle path	asphalt			***
N3/10	Kerkateskánd, Petőfi Sándor u. 1.	Szécsisziget, bejárati út bus stop	2,63 km	low traffic public and road	asphalt	7549	648	***
N3/11	Szécsisziget, bejárati út bus stop	Dobri (Bende-hegy crossing)	6,26 km	low traffic public road	asphalt	7539	702	**
N3/12	Dobri (Bende-hegy crossing)	Dobri Church	0,96 km	municipality road	asphalt			**
N3/13	Dobri Church	Kerkaszentkirály, bridge	1,87 km	municipality roads and low traffic public road	asphalt	7538		***
N3/14	Kerkaszentkirály bridge	Muraszemenye, II. Rákóczi Ferenc út 6-2	4,94 km	municipality roads and low traffic public road	asphalt	75149	276	***
N3/15	Muraszemenye, II. Rákóczi Ferenc út 6-2	Muraszemenye (Alsószemenye), II. bejárati út, bus stop	1,26 km	municipality roads and low traffic public road	asphalt	75149	276	***
N3/16	Muraszemenye (Alsószemenye), II. bejárati út, bus stop	Muraszemenye (Aligvár major), road nr. 7538 crossing	1,05 km	municipality road	asphalt	75149	276	***
N3/17	Muraszemenye (Aligvár major), road nr. 7538 crossing	Muraszemenye (Aligvár major, north crossing)	0,58 km	moderate traffic public road	asphalt	7538	1949	***
N3/18	Muraszemenye (Aligvár major, north crossing)	Kiscsehi road crossing (south)	4,00 km	low traffic public road	asphalt	7541	513	*
N3/19	Kiscsehi road crossing (south)	Lispesztadorján (Fő út-Ady E. út crossing)	4,43 km	municipality roads and low traffic public road	asphalt	7537	1711	**
N3/20	Lispesztadorján (Fő út-Ady E. út crossing)	Lispesztadorján (Kossuth út – Lispei út crossing)	1,1 km	municipality roads and low traffic public roads	asphalt	7537	1691	**

N3/21	Lispesztadorján (Kossuth út – Lispei út crossing)	Bázakerettye (Fő út-Petőfi út crossing)	3,58 km	municipality roads and low traffic public roads	asphalt	7537	1691	**
N3/22	Bázakerettye (Fő út-Petőfi út crossing)	Letenye, Kárpáti u. 1.	12,14 km	municipality roads and low traffic public roads	asphalt	7540	1227	***
DETOURS								
N3/D1-1	Muraszemenye (Alsószemenye), II. bejárati út, bus stop	Muraszemenye (Alsószemenye), Táncsics út, Pataki út crossing	0,59 km	municipality road	asphalt			***
N3/D1-2	Muraszemenye (Alsószemenye), Táncsics út, Pataki út crossing	„Hódvár” water tourism base	0,92 km	municipality road	gravel, dirt			**
N3/D2	Lispesztadorján (Kossuth út – Lispei út crsing)	Lispesztadorján, lookout tower	1 km	municipality road	asphalt			**

10. Table: Subsections of N3 stage

4.3.5. Implemented infrastructure




Besides the two large info boards at the stage points (Lendava, Letenye), there are no further info boards, neither resting places along the stage. A bicycle repair stand with tools has been placed next to the large info board in Letenye and an e-charging pillar for e-bikes in Lenti. Regarding stage N3 the total number of the placed signs is 80 on 37 locations, including larger and smaller signs with one, two, or three different logos depends on the location. Both the design and content of the signs are in accordance with the Hungarian standards. The field works has been finished by the end of October 2020.






7-8. Figures: Large and small signs along the section N3 – Lendava-Letenye, Hungary.

Stage N3				
Nr.	Type	Latitude (in google map form)	Longitude (in google map form)	Name of the location
1.	Large info board, start point of stage N3	46.555903	16.461126	Lendava, Slovenia
				
2.	Large info board, end point of stage N3	46.434723	16.724399	Letenye, Hungary
				
3.	Bicycle repair stand	46.434723	16.724399	Letenye, Hungary
				
4.	E-bike charging pillar	46.620553	16.532699	Lenti, Hungary
	No photo available			

11. Table: Placed infrastructure elements along stage N3

<i>image</i>	<i>direction</i>	<i>total</i>	<i>with 1 logo</i>	<i>with 2 logos</i>	<i>with 3 logos</i>
	right	8	5	1	2
	left	9	5	4	2
	straight	3	1	0	2
Number of LARGE road signs:		20			

<i>image</i>	<i>direction</i>	<i>total</i>	<i>with 1 logo</i>	<i>with 2 logos</i>	<i>with 3 logos</i>
	right	18	10	5	3
	left	17	11	3	3
	straight	25	17	6	2
Number of SMALL road signs:		60			
TOTAL NUMBER OF ROAD SIGNS:		80			

12. Table: number and type of the used signs along stage N3

Stage N3 – road signs

nr.	coordinates of the location		type of the sign (direction)	Content	
	x	y		Text and distance	logo(s)
1.	46.566011	16.482982	large (right)	Lendva/Lendava 1 km	AoE BT
2.	46.563721	16.493459	small (left)	-	AoE BT
3.			small (right)	-	AoE BT
4.	46.580241	16.501499	small (left)	-	AoE BT
5.			small (right)	-	AoE BT
6.	46.580548	16.508691	large (left)	Letenye 58 km Lenti 5 km	AoE BT
7.			large (right)	Lendva/Lendava 5 km	AoE BT
8.	46.586334	16.509447	small (straight)	-	AoE BT
9.			small (straight)	-	AoE BT
10.	46.592700	16.511871	small (straight)	-	AoE BT
11.			small (straight)	-	AoE BT
12.	46.617182	16.526928	small (right)	-	AoE BT
13.			small (left)	-	AoE BT
14.	46.616975	16.530215	small (right)	-	AoE BT
15.			small (left)	-	AoE BT
16.	46.622411	16.531676	large (left)	Lendva/Lendava 11 km Lendvadedes 5,5 km	AoE BT
17.			small (right)	-	4 + AoE BT
18.	46.623711	16.546061	large (left)	Lendva/Lendava 12 km	4 + AoE BT
19.			small (right)	-	4 + AoE BT
20.	46.615311	16.545200	large (straight)	Letenye 50 km Szécsisziget 7,5 km	4 + AoE BT
21.			small (straight)	-	4 + AoE BT
22.	46.588876	16.563797	small (straight)	-	4 + AoE BT
23.			small (straight)	-	4 + AoE BT
24.	46.573503	16.566618	small (right)	-	4 + AoE BT

25.			small (left)	-	4 + AoE BT
26.	46.573118	16.600476	large (right)	Letenye 43 km Muraszemenye 16 km	4 + AoE BT
27.			large (left)	Lendva/Lendava 20 km Lenti 9,5 km	4 + AoE BT
28.	46.542286	16.593076	small (straight)	-	4 + AoE BT
29.			small (straight)	-	4 + AoE BT
30.	46.520038	16.591883	small (right)	-	4 + AoE BT
31.			small (left)	-	4 + AoE BT
32.	46.519110	16.584535	small (right)	-	4 + AoE BT
33.			small (left)	-	4 + AoE BT
34.	46.516175	16.582020	small (straight)	-	4 + AoE BT
35.			small (straight)	-	4 + EV13 + AoE BT
36.	46.500600	16.577463	large (left)	Letenye 33 km Muraszemenye 6 km	4 + EV13 + AoE BT
37.			large (right)	Lendva/Lendava 30 km Szécsisziget 9,5 km	4 + EV13 + AoE BT
38.	46.48430	16.61417	small (right)	-	4 + EV13 + AoE BT
39.			small (left)	-	4 + EV13 + AoE BT
40.	46.482801	16.613778	small (right)	-	4 + EV13 + AoE BT
41.			small (left)	-	4 + EV13 + AoE BT
42.	46.477244	16.640073	large (straight)	Letenye 27 km Lispezsentadorján 10 km	AoE BT
43.			large (right)	Mura 1,5 km	4 + EV13 + Discover Mura logo
44.			large (straight)	Lendva/Lendava 36 km Szécsisziget 16 km	4 + EV13 + AoE BT
45.			large (left)	Mura 1,5 km	4 + EV13 + Discover Mura logo

46.	46.472932	16.641831	small (straight)	-	Discover Mura logo
47.			small (straight)	-	4 + EV13 + AoE BT
48.	46.475989	16.653413	small (left)	-	AoE BT
49.			small (straight)	-	AoE BT
50.			small (right)	-	AoE BT
51.	46.481344	16.653195	small (right)	-	AoE BT
52.			small (left)	-	AoE BT
53.	46.496372	16.660868	small (left)	-	AoE BT
54.			small (straight)	-	AoE BT
55.	46.511761	16.671070	small (straight)	-	AoE BT
56.			small (straight)	-	AoE BT
57.	46.542675	16.697607	small (straight)	-	AoE BT
58.			small (straight)	-	AoE BT
59.	46.543490	16.699640	large (left)	Lendva/Lendava 46 km Muraszemenye 10 km	AoE BT
60.			large (right)	Letenye 17 km Kistolmács 8,5 km	AoE BT
61.	46.536066	16.703189	large (left)	Lispei kilátó 1 km	Must see logo
62.			large (right)	Lispei kilátó 1 km	Must see logo
63.			small (straight)	-	AoE BT
64.			small (straight)	-	AoE BT
65.	46.538689	16.706507	small (right)	-	Must see logo
66.			small (left)	-	AoE BT
67.	46.522323	16.710931	small (straight)	-	AoE BT
68.			small (straight)	-	AoE BT
69.	46.526785	16.727686	large (right)	Letenye 12 km Kistolmács 4 km	AoE BT
70.			large (left)	Lendva/Lendava 51 km	AoE BT

				Lispesztadorján 3 km	
71.	46.484200	16.752942	small (straight)	-	AoE BT
72.			small (straight)	-	AoE BT
73.	46.455730	16.735072	small (right)	-	AoE BT
74.			small (left)	-	AoE BT
75.	46.439536	16.721439	small (right)	-	AoE BT
76.			small (left)	-	AoE BT
77.	46.433744	16.722367	small (left)	-	4 + EV13 + AoE BT
78.			small (left)	-	AoE BT
79.			small (right)	-	4 + EV13 + AoE BT
80.			small (right)	-	AoE BT

13. Table: location and type of the used signs along stage N3

4.4. N4 Letenye (HU) – Gyékényes (HU)

4.4.1. Basic information

Start point of the daily stage: Letenye (Hungary), city center (coordinates: 46.434660, 16.724318)

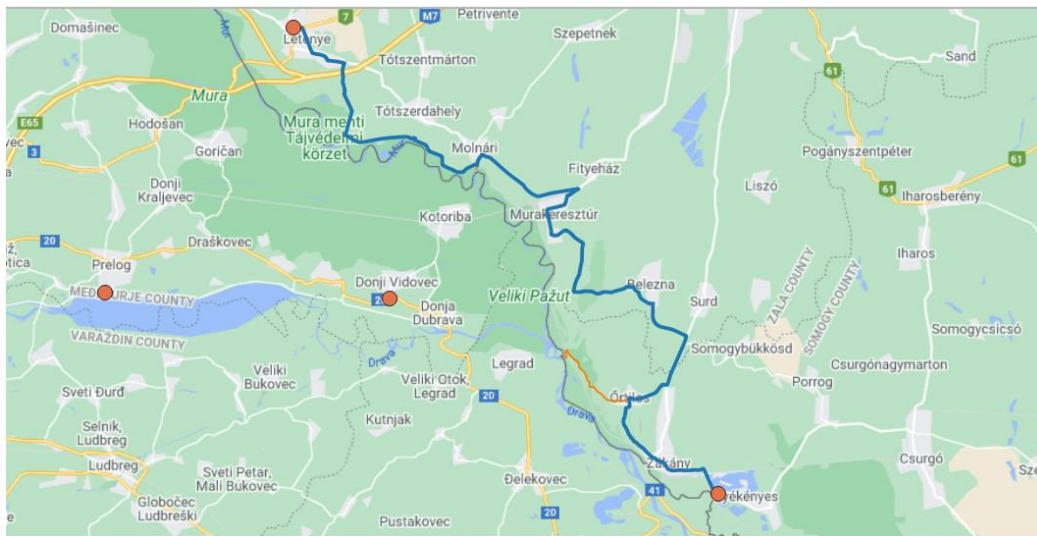
End point of the daily stage: Gyékényes, Üdülőtelep (Petőfi street, coordinates: 46.241567, 16.978926)

Length of the daily stage: 45,03 km

Length of the detour(s): 4,89 km

Length of the asphalt route along the main route: 61% (27,63 km)

Length of the asphalt route along the detour(s): 80% (3,9 km)



9. Figure: The daily stage between Letenye and Gyékényes

4.4.2. Changes compared to the route plan

In Letenye, the local municipality did not allow to install the large info board in front of the Szapáry- Andrásy castle, therefore it has been placed in the park in front of the entrance of the thermal bath and camping, which is located 100-150 m further compared to the previous spot.

The main route of daily stage N4 had a small-scale change that affected only the section between Órtilos and Gyékényes that resulted short extension of the stage.

Furthermore, the location of the resting point in Órtilos is changed as well from Mura-Drava confluence to Szentmihály hill because it was impossible to obtain the permit from the Hungarian State Railway Company, who is the landowner of that area.

4.4.3. Short summary of the stage

The signposted route presents the surroundings of the lower part of Mura section and the upper part of Drava section in Hungary. The longer stretch of a route goes on the Mura flood protection embankment with a great view of the natural floodplain forests surrounding the river, offering several opportunities to go into the forest and approach the river itself. The surface of the embankment is gravel all along, with mixed quality; it is better somewhere, worse elsewhere. This section may not be comfortable all along without an appropriate bicycle that fits to this surface. In the second half of the section, the route is slightly receding away from the rivers, because there is not any other option to find a bikeable road between Belezna railway station and Órtilos near to the river. Here the route passes through forest dominantly on asphalt roads. From the main road a longer detour leads down to the confluence of Mura and Drava rivers, which is an area with one of the most special natural views of the region.

The route stays close as possible to the river and offers beautiful viewpoints. Due to several sections that are not in perfect condition, it may take more time to complete, and an appropriate bicycle could be also important. Between Órtilos and Murakeresztúr the construction of a new road is now underway, which will ensure a shorter and more bikeable connection between the two mentioned settlements, much closer to the river and nature areas. As soon as this investment is finished (expectedly by the end of 2022), it will be possible to change the route and to avoid the long detour in the direction of Belezna. Further developments would need to improve the rideability on the embankment between Letenye and Tótszerdahely. Regarding accommodations and service providers, most of them are located at the start and end points Letenye and Gyékényes, in the mid sections their number is almost negligible. In Gyékényes, on the shore of the lake, there are many apartments, boarding houses and campsites to choose from. The rest of the route has a relatively small number of services.

4.4.4. Information about the route and its condition

	Start point	End point	Length	Type of the road	Type of the surface	Road no.	Traffic (AADT)	Quality
MAIN ROUTE								
N4/1	Letenye - Bajcsy-Zsilinszky street	Letenye – Szent Imre herceg street	0,47 km	main road, biking path on a short section	asphalt	7	4264	***
N4/2	Letenye – Szent Imre herceg street	Letenye – Petőfi Sándor street	1,52 km	municipality road	asphalt			***

N4/3	Letenye – Petőfi Sándor street	Letenye – East end of the city	1,73 km	public road	asphalt	6835	1094	***
N4/4	Letenye – East end of the city	dyke (Farming center)	1,45 km	municipality road	gravel			***
N4/5	dyke (Farming center)	Molnári – end of the embankment	9,16 km	embankment	gravel			**
N4/6	Molnári – end of the embankment	Molnári – East part of the settlement	0,53 km	local road	asphalt			***
N4/7	Molnári – East part of the settlement	Murakeresztúr – Alkotmány street	4,62 km	public road	asphalt	6835	1094	***
N4/8	Murakeresztúr – Alkotmány street	Murakeresztúr – Principális canal	3,33 km	public road	asphalt	68155	1393	***
N4/9	Murakeresztúr – Principális canal	crossroad towards Belezna	3,42 km	local road	gravel			**
N4/10	crossroad towards Belezna	Belezna	4,21 km	local road	asphalt			**
N4/11	Belezna	intersection of number 68154 and 6804 road	2,53 km	public road	asphalt	68154	880	***
N4/12	intersection of number 68154 and 6804 road	intersection of number 68154 and 68118 road	2,43 km	public road	asphalted	6804		***
N4/13	intersection of number 68154 and 68118 road	Órtilos- intersection of Rákóczi and Petőfi street	2,03 km	public road	asphalted			***
N4/14	intersection of Rákóczi and Petőfi street	intersection of Látóhegy and Hegyalja street	3,37 km	local road	gravel, partly asphalted			**
N4/15	intersection of Látóhegy and Hegyalja street	Gyékényes – Holiday village	4,23 km	public road	asphalted	68118		***
DETOURS								
N4/D1	Molnári – end of embankment	Molnári – resting point at Mura	0,22 km	local road	dirt			*
N4/D2	Órtilos- intersection of Rákóczi and Petőfi street	Órtilos - Szentmihályhegy	3,9 km	public road	asphalt	68118	1166	***
N4/D2	Órtilos – Szentmihályhegy (46.298433, 16.890490)	Órtilos Railway station	0,77 km	public road	gravel	68118	1166	**

14. Table: Subsections of N4 stage

4.4.5. Implemented infrastructure

The installation of the large info board in Letenye was carried out in November 2020, while in the end of January 2021 in Gyékényes. Their footing has been fixed to the ground in a cement base. In Gyékényes, the exact place of the infrastructure element is the entrance of a lake's parking lot. The info board has been made without sitting elements and roof and placed right next to an already standing info boards. The laser cut metal

sheet with Amazon of Europe sign has been placed on a front of the info panel. Besides the info boards, two resting places can be found along the stage in Letenye and Órtilos, each is equipped with benches table, bike racks and self-service bicycle repair stand.

Regarding stage N4 the total number of the placed signs is 65 on 43 locations. The design and the content of the signs are in accordance with the Hungarian and the AoE BT standards as well. In case of the larger signs the name of the closer settlement is the bottom, the distance is rounded to integer or half km.

Depending on the location, one or two logos have been put onto each sign. According to the national regulation the #4 logo is under the number of the related national cycle route (where it is relevant), while the second type is the relevant variant of the Amazon of Europe Bike Trail product logo that has been inserted into every sign. We used the Discover Mura, Discover Drava and the “Must see” logo.








10-11. Figures: Pictures of the placed signs along the stage N4

Stage N4				
Nr.	Type	Latitude (in google map form)	Longitude (in google map form)	Name of the location
1.	Large info board, start point of stage N4	46.434723	16.724399	Letenye, Hungary

				
2.	Bicycle repair stand	46.434723	16.724399	Letenye, Hungary
				
3.	Large info board, end point of stage N4	46.241567	16.978926	Gyékényes
				
4.	Resting place with benches, table, self service bike repair stand	46.390531	16.755113	Letenye
				

5.	Resting place with benches, table, self service bike repair stand and bicycle rack	46.297472	16.894814	Órtilos
				

15. Table: infrastructure elements along stage N4

<i>image</i>	<i>direction</i>	<i>total</i>
	right	11
	left	9
	straight	3
Number of LARGE road signs:		23
	right	19
	left	16

	straight	7
Number of SMALL road signs:		42
TOTAL NUMBER OF ROAD SIGNS:		65

16. Table: Type and number of the used signs along stage N4

Stage N4 – road signs								
Nr	Coordinates		Type of signs			Direction	Content	
	x	y	Small signs	Large signs	Posts	R:right L:left S:straight	Content and distance	Logo
1	46.43448	16.72919	2			R/L		AoE
2	46.42393	16.73508	1	1		R/L	Gyékényes 43 km Molnári 12 km	AoE; 4 + AoE
3	46.42082	16.74414	2			R/L		4 + AoE
4	46.41976	16.75431	2			R/L		AoE, 4 + AoE
5	46.40730	16.75412	2			R/L		AoE
6	46.39002	16.75507	2			R/L	Mura folyó	AoE, Discover Mura
				2		S/L		
7	46.38873	16.79624	2		1	R/L		AoE
8	46.38850	16.79663	2		1	R/L		AoE
9	46.37558	16.81879	2		0	S	Mura-folyó	AoE, Discover Mura
				2		R/L		
10	46.37774	16.83215	1		0	S		AoE
11	46.37770	16.83409	2		1	R/L	Mura-folyó	AoE Discover Mura
				2		S/R		

12	46.38212	16.83697		1	1	R	Gyékényes 30 km Murakeresztúr 5,5km	AoE
				1		L	Letenye 14,5 km	AoE
13	46.36708	16.88753	2		1	R/L		AoE
14	46.36501	16.88789	2		1	S		AoE
15	46.35940	16.87616	1			L		AoE
16	46.35895	16.87577	1			R		AoE
17	46.34901	16.87835	2		1	R/L		AoE
18	46.34850	16.88010	2		1	S		AoE
19	46.34961	16.88413	2			S		AoE
20	46.34868	16.89124		1		R	Gyékényes 21 km Belezna 7km	AoE
21	46.34846	16.89138		1		L	Letenye 23 km Molnári 8,5km	AoE
22	46.33995	16.89704	1			R		AoE
23	46.33950	16.89737	1			L		AoE
24	46.32524	16.89177	1			L		AoE
25	46.32522	16.89201	1			R		AoE
26	46.32763	16.92376	1			R		AoE
27	46.32761	16.92427	1			L		AoE
28	46.32705	16.92478	1			R		AoE
29	46.32691	16.92807	1		1	L		AoE
30	46.32019	16.93892		1	1	R	Gyékényes 14km Órtilos 7 km	AoE
31	46.31966	16.93927		1		L	Letenye 30 km Murakeresztúr 10 km	AoE
32	46.30696	16.95943		1	1	R	Gyékényes 12 km Órtilos 4,5 km	AoE
33	46.30665	16.95991		1	1	L	Letenye 33 km Murakeresztúr 12 km	AoE
34	46.28689	16.94801	1			R		AoE
35	46.28670	16.94752	1		1	L		AoE
				2		L/R	Gyékényes 7,5km	AoE
36	46.28130	16.92541		1	1	S	Dráva folyó 4,5 km	AoE, Discover Drava, Must see
37	46.28089	16.92539		1	1	R	Letenye 37km Murakeresztúr 24 km	AoE

				1		L	Dráva folyó 4,5 km	AoE, Discover Drava, Must see
38	46.29691	16.89296		1		R	Pihenő pont/ Resting point	AoE, Must see
39	46.27764	16.92542	2		1	R/L		AoE
40	46.27718	16.92306	2		1	R/L		AoE
41	46.25690	16.93838	2		1	R/L		AoE
42	46.25621	16.94101		1	1	R	Gyékényes 4 km	AoE+4
43	46.25588	16.94123		1		L	Letenye 41 km Órtilos 3,5 km	AoE

17. Table: Location and other features of the signposts along stage N4

4.5. N5 Gyékényes (HU) – Nagyatád (HU)

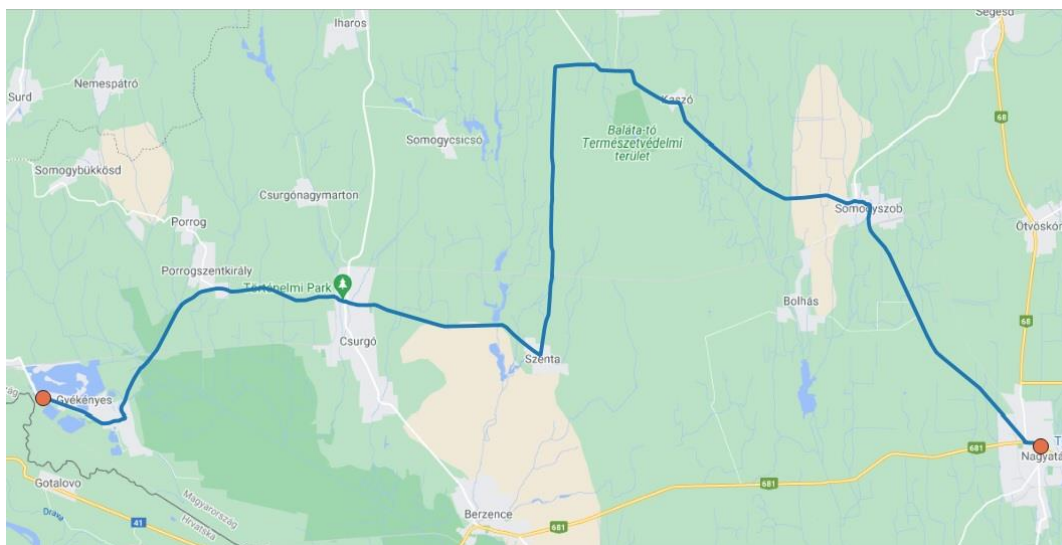
4.5.1. Basic information

Start point of the daily stage: Gyékényes, Üdülőtelep (Petőfi street), coordinates: 46.241567 16.978926

End point of the daily stage: Nagyatád, Széchenyi square, coordinates: 46.227904, 17.363107

Length of the daily stage: 46,75 km

Length of the asphalt roads along the main route: 100% (46,75 km)



12. Figure: The daily stage between Gyékényes and Nagyatád

4.5.2. Changes compared to the route plan

Regarding the trail, only one minor change happened compared to the route plan. Inside Gyékényes, the route does not turn to Hunyadi street, but remains on Petőfi street.

4.5.3. Short summary of the stage

Regarding the fact that the river Drava flows further from the Croatian-Hungarian border in this area, the trail has to move away from the riverside to secure the continuity of the northern route. Although this section does not go directly on the Drava riverside, it provides real nature experiences and beautiful landscapes in the wider Drava river area. The route towards Csurgó is utterly scenic, while the section through Kaszó forest offers a real green forest-ride experience. Baláta lake is a unique natural site, a swampy area, which is very well equipped with facilities to study the nature. Nagyatád is an important city in the border area with numerous accommodations and various services. Motorized traffic on this section is minimal, the terrain is generally flat, with some smaller hills on the way towards Csurgó, therefore it is easily accomplishable by anyone.

4.5.4. Information about the route and its condition

	Start point	End point	Length	Type of road	Type of the surface	Road no.	Traffic (AADT)	Quality
MAIN ROUTE								
N5/1	Gyékényes, lakeside parking lot	Gyékényes centre (Szabadság tér) 46.236159, 17.010444	2,64 km	public road, settlement main street	asphalt	6804	897	***
N5/2	Gyékényes centre (Szabadság tér) 46.236159, 17.010444	Csurgó, Johanniták tere 46.267043, 17.094922	9,02 km	public road	asphalt	6808	1847	***
N5/3	Csurgó, Johanniták tere 46.267043, 17.094922	Szenta centre 46.252742, 17.170287	6,26 km	public road	asphalt	68127	418	***
N5/4	Szenta centre 46.252742, 17.170287	Kaszó village centre 46.319541, 17.223936	12,72 km	forestry road	asphalt			***
N5/5	Kaszó village centre 46.319541, 17.223936	Somogyiszob western entrance (Szabadság u.) 46.293167, 17.288458	6,21 km	forestry road	asphalt			***
N5/6	Somogyiszob western entrance (Szabadság u.) 46.293167, 17.288458	Nagyatád, Luther Márton tér (roundabout) 46.230043, 17.357141	9,33 km	public road	asphalt	6814	1279	***
N5/7	Nagyatád, Luther Márton tér (roundabout) 46.230043, 17.357141	Nagyatád centre (Széchenyi tér)	0,57 km	public road, settlement main street, segregated bicycle path in progress	asphalt	681	4498	***

18. Table: Subsections of N5 stage

4.5.5. Implemented infrastructure

Two large info boards have been placed in the two stage points, Gyékényes and Nagyatád. The info board in Gyékényes is built without sitting elements and roof and placed right next to an already standing info board. The laser cut metal sheet with Amazon of Europe sign has been placed on a front of the info panel.

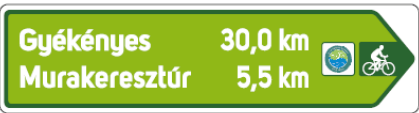





A large info board in Nagyatád can be found in the city center. The common design of the info board has been changed in this case, because the original design did not fit to the cityscape and a standardized information boards used there. In order to obtain permission to place the boards in the city center, the same aluminium

panel style had to be used like everywhere else throughout the city. The information board and the laser cut metal sheet with AoE sign has been placed between two aluminium columns.

Total 23 signs on 17 locations have been placed related to stage N5.

Stage N5				
Nr.	Type	Latitude (in google map form)	Longitude (in google map form)	Name of the location
1.	Large info board, start point of stage N5	46.241567	16.978926	Gyékényes
				
2.	Large info board, end point of stage N5	46.227904	17.363107	Nagyatád
				

19. Table: Infrastructure elements along stage N5

<i>image</i>	<i>direction</i>	<i>total</i>
	right	6
	left	5
	straight	1
Number of LARGE road signs:		12
	right	2
	left	2
	straight	7
Number of SMALL road signs:		11
TOTAL NUMBER OF ROAD SIGNS:		23

20. Table: Size, type and number of signs along stage N5

Stage N5 – road signs

Nr	Coordinates		Type of signs			Direction	Content	
	x	y	Small signs	Large signs	Posts	R:right L:left S:straight	Content and distance	Logo
1	46.27055	17.04546	1			S		AoE + 4
2	46.27065	17.04560	1		1	S		AoE + 4
3	46.23614	17.01020		1		L	Nagyatád 47 km Csurgó 9 km	AoE
4	46.23636	17.01018		1		R	Letenye 44 km Murakeresztúr 23 km	AoE + 4
5	46.26713	17.09440		1		L	Nagyatád 35 km Szenta 6 km	AoE
6	46.26745	17.09566		1		L	Gyékényes 12 km	AoE
				1		R	Nagyatád 35 km Szenta 6 km	
7	46.26720	17.09550 1		1	1	R	Gyékényes 12 km	AoE
8	46.25258	17.17034		1		L	Nagyatád 30 km Kaszó 13 km	AoE
				1		R	Gyékényes 29 km Csurgó 6 km	
9	46.32940	17.17608	2		1	R/L		AoE
10	46.32986	17.19116	2		1	S		AoE
11	46.31969	17.22356		1		R	Nagyatád 10 km Somogyszob 7 km	AoE, Must see
12	46.31920	17.22419		1	1	L	Gyékényes 31 km Szenta 13 km	AoE
13	46.29378	17.29197	2		1	S		AoE
14	46.29300	17.29702	2		1	L/R		AoE
15	46.23060	17.35663	1		1	S		AoE
16	46.22972	17.35821		1	1	S	Gyékényes 46 km Somogyszob 9 km	AoE
17	46.22868	17.36306		1	1	R	Barcs 37 km Háromfa 14 km	AoE, Must see

21. Table: Locations and number of signs along stage N5

4.6. N6 Nagyatád (HU) – Drávatamási (HU)

4.6.1. Basic information

Start point of the daily stage: Nagyatád, Széchenyi tér (square, coordinates:

46.227904, 17.363107)

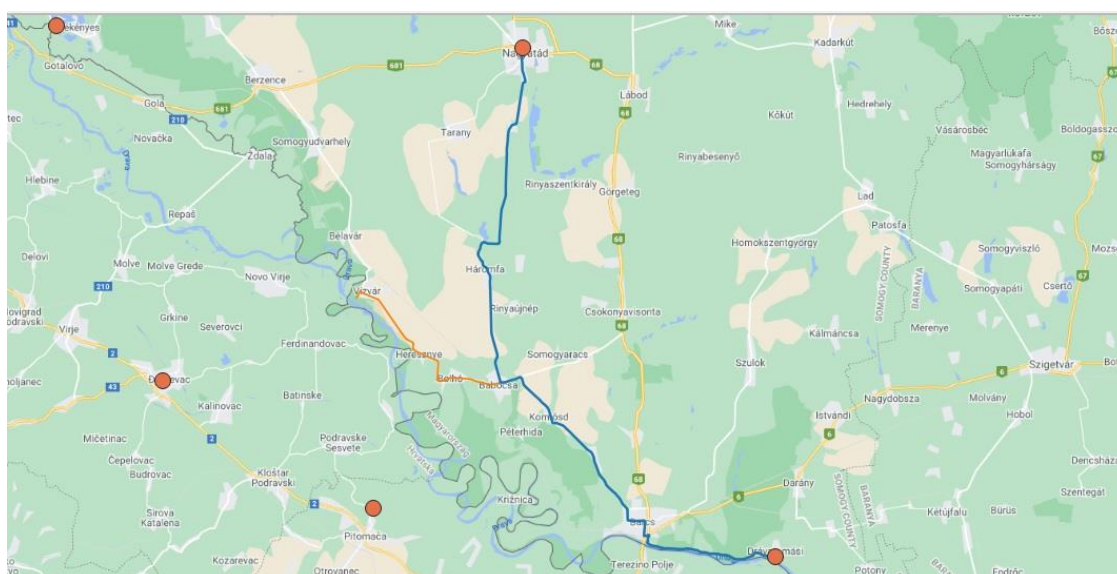
End point of the daily stage: Drávatamási, centre of the village (coordinates: 45.938651, 17.571519)

Length of the daily stage: 48,54 km

Length of the detour(s): 12,92 km

Length of the asphalt roads along the main route: 100% (48,54 km)

Length of the asphalt roads along the detour(s): 100% (12,92 km)



13. Figure: The daily stage between Nagyatád and Drávatamási

4.6.2. Changes compared to the route plan

This daily stage is implemented according to the plans, without any changes.

4.6.3. Short summary of the stage

This daily section can be divided into two major parts with different characteristics. The first part of the route is about approaching the river from Nagyatád, while the second part follows and stays close to river Drava. The type of the infrastructure and the quality of the roads along the stage are also different, including public roads on one hand, and newly built/renovated bicycle path on the other hand. Town of Barcs is a significant point of the daily stage, called the “capital of Drava” in Hungary, with a national park visitor center and spa facility. The city is also an important gateway to Croatia. The town has several access points to the river, which is dominantly kept their original natural status, and serves as state border as well. Barcs is well-connected with

cycling infrastructure to the nearby areas, which is currently undergoing a vast modernisation, resulting a real cyclists-friendly tourist area in the very near future. Between Barcs and Drávatamási, a more than 8 km new two-way bicycle path has been constructed in the last years that will ensure a pleasant ride for the cyclists.



4.6.4. Information about the route and its condition

	Start point	End point	Length	Type of road	Type of the surface	Road no.	Traffic (AADT)	Quality
MAIN ROUTE								
N6/1	Nagyatád centre (Széchenyi tér)	Nagyatád- Bodvica, Szigetvári u.	2,37 km	public road, main street through settlements	asphalt	6807	4643	**
N6/2	Nagyatád- Bodvica, Szigetvári u.	Babócsa centre, crossroads of Rákóczi u. – Zrínyi u 46.037911, 17.344658	21,05 km	public road	asphalt	6807	566	**
N6/3	Babócsa centre, crossroads of Rákóczi u. – Zrínyi u 46.037911, 17.344658	Barcs, Deák F. u. corner 45.965766, 17.449120	12,6 km	public road	asphalt	6801	1566	***
N6/4	Barcs, Deák F. u. corner 45.965766, 17.449120	Barcs, Dráva u. (public beach) 45.948086, 17.465817	3,78 km	streets in town	asphalt			***
N6/5	Barcs, Dráva u. (public beach) 45.948086, 17.465817	Drávatamási, Fő u. 45.938752, 17.566719	8,74 km	bicycle path	asphalt			***
DETOURS								
N6/D1	Babócsa centre, crossroads of Rákóczi u. – Zrínyi u 46.037911, 17.344658	Vízvár, Dráva u. 46.087107, 17.226590	12,92 km	public road	asphalt	6801		**







22. Table: Subsections of N6 stage

4.6.5. Implemented infrastructure

Two infrastructure elements have been built in relation to stage N6. A large info board in Nagyatád can be found in the city center. The common design of the info board has been changed in this case, due to the original design did not fit to the cityscape and a standardized information boards used there. In order to obtain permission to place the boards in the city center, the same aluminium panel style had to be used like everywhere else throughout the city. The information board and the laser cut metal sheet with AoE sign has been placed between two aluminium columns. The location of the other large info board is Barcs, which is the starting point of “Háromfolyó” asphalted bicycle path. The info board has been made without sitting elements. Total 47 signs have been placed out on 29 locations along stage N6 from Nagyatád to Drávatamási.

Stage N6				
Nr.	Type	Latitude (in google map form)	Longitude (in google map form)	Name of the location
1.	Large info board, start point of stage N6	46.227904	17.363107	Nagyatád
				
2.	Large info board, end point of stage N6	45.946315	17.465375	Barcs
				

23. Table: Placed infrastructure along stage N6

<i>image</i>	<i>direction</i>	<i>total</i>
	right	5
	left	5
	straight	5
Number of LARGE road signs:		15
	right	11
	left	10
	straight	11
Number of SMALL road signs:		32
TOTAL NUMBER OF ROAD SIGNS:		47

24. Table: Type and number of signs along stage N6

Stage N6 – road signs								
Nr	Coordinates		Type of signs			Direction	Content	
	x	y	Small signs	Large signs	Posts	R:right L:left S:straight	Content and distance	Logo
1	46.22761	17.36302		1	1	L	Gyékényes 46km	AoE
2	46.22371	17.36222	1		1	S		AoE
3	46.18105	17.35108	2		2	S		AoE
4	46.11785	17.34379		1	1	R	Barcs 24 km Babócsa 10 km	AoE
5	46.11719	17.34268		1	1	L	Nagyatád 13 km	AoE
6	46.11853	17.33052	2		1	R/L		AoE
7	46.03827	17.34459		1	1	L	Barcs 14 km Komlósd 4,5 km	AoE + 4
				1		R	Dráva-folyó 13 km	AoE, Discover Drava +4
8	46.09047	17.22875		1		R	Barcs 26 km Babócsa 12 km	AoE+ 4
						R		
9	46.03786	17.34427	1		1	S		AoE+ 4
10	46.03796	17.34492		1	1	R	Nagyatád 23 km Háromfa 7,5 km	AoE
				1		S	Dráva-folyó 13 km	AoE,4, Discover Drava
11	46.04120	17.36040	1		1	R		AoE,4
12	46.04084	17.36177	1		1	L		AoE, 4
				1		L	Basa kert	AoE, Must see
13	45.99297	17.42204		2	1	S	Barcs 6 km /// Babócsa 9km	AoE
			2			L/R		AoE, Must see
14	45.96566	17.44896	1		1	R		AoE, Must see, 4

15	45.96544	17.44911		1	1	L	Nagyatád 36km Babócsa 13 km	AoE,4
16	45.95919	17.44944	1		1	L		AoE,4
17	45.95905	17.44974	1		1	R		AoE,4
18	45.95914	17.45280	2		1	L/R		AoE, 4
19	45.95862	17.45333		1		L	Drávasztára 46 km Drávatamási 11 km	AoE, 4, EV13, Három folyó
				1		R	Nagyatád 37 km	AoE, 4, EV13, Három folyó
20	45.95911	17.46331	2			L/R		AoE, 4, EV13, Három folyó
21	45.95022	17.46267	2			L/R		AoE, 4, EV13, Három folyó
22	45.95081	17.46687	2			L/R		AoE, 4, EV13, Három folyó
23	45.95056	17.46728	2			L/R		AoE, 4, EV13, Három folyó
24	45.94806	17.46592	2			S/S		AoE, 4, EV13, Három folyó
25	45.94661	17.46520	2			L/R		AoE, 4, EV13, Három folyó
26	45.94632	17.46544		1		S	Drávasztára 43 km Drávatamási 8 km	AoE, 4, EV13, Három folyó
27	45.94420	17.47409	2			S/S		AoE, 4, EV13, Három folyó
28	45.93704	17.53960	2			S/S		AoE, 4, EV13, Három folyó
29	45.93862	17.56690	1			S		AoE, 4, EV13, Három folyó
				1		S	Barcs 8 km	

25. Table: Locations and number of signs along stage N6

4.7. N7 Drávatamási (HU) – Szaporca (HU)

4.7.1. Basic information

Start point of the daily stage: Drávatamási, centre of the village (coordinates: 45.938651, 17.571519)

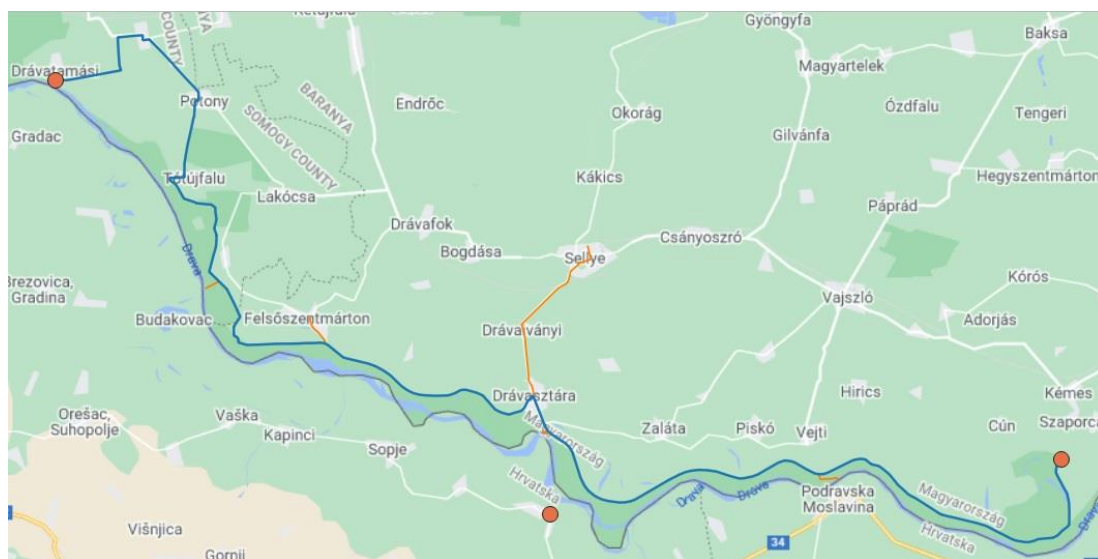
End point of the daily stage: Szaporca, Ancient Drava Visitor Centre (coordinates: 45.80063218.098088)

Length of the daily stage: 65,22 km

Length of the detour(s): 10,42 km

Length of the asphalt roads along the main route: 55% (35,55 km)

Length of the asphalt roads along the detour(s): 90% (9,42 km)



14. Figure: The daily stage between Drávatamási and Szaporca

4.7.2. Changes compared to the route plan

The route of this daily stage is not changed compared to the plans, but the road quality has been changed in a certain section. The dirt road section that connects the Drava embankment and the Ancient Drava Visitors' Centre at Szaporca has been covered with gravel, resulted significant improvement of cycling conditions, particularly in wet weather.

4.7.3. Short summary of the stage

This longer stage mainly consists of public roads with low traffic and embankment sections in considerable length and various quality. The section goes entirely through the area called "Ormánság", which is one of most isolated and depopulated areas in Hungary. Along the whole section Drava river is in close range, the trail often uses the embankment ensuring nature closeness. At the same time, it means the shortage of services:

the route avoids most of the settlements, therefore cyclists should have in mind to bring enough beverages and food with them. On the other hand, the tourists can taste the “being in the middle of nowhere” feeling and can enjoy landscapes in their original, natural form which is not available everywhere. Those sections where the quality of the roads is more challenging could cause some difficulties for the cyclists, especially when weather conditions are more unfavourable. This stage is particularly affected by the lack of accommodations, most of the possibilities can be found in Harkány which is 15 km away from the stage end point, Szaporca. Fortunately, many of the hotels in Harkány can provide transportation services, bicycles might be stored at the Visitors’ Centre for the night in Szaporca, from where the trip could start/continue the next day.

4.7.4. Information about the route and its condition

	Start point	End point	Length	Type of road	Type of the surface	Road no.	Traffic (AADT)	Quality
MAIN ROUTE								
N7/1	Drávatamási, Fő u.	Drávagárdony, Fő u.	2,67 km	municipality road	asphalt			***
N7/2	Drávagárdony, Fő u.	Kastélyosdombó, 5804-58162 intersection	1,35 km	public road	asphalt	58162	163	*
N7/3	Kastélyosdombó, 5804-58162 intersection	Potony, Petőfi – Kossuth u. crossing	4,77 km	public road, main street in settlement	asphalt	5804	432	***
N7/4	Potony, Petőfi – Kossuth u. crossing	Tótújfalu, Szabadság u. crossing	3,28 km	public road	asphalt	58163	209	*
N7/5	Tótújfalu, Szabadság u. crossing	Tótújfalu, stating point of the asphalted dyke	0,59 km	municipality road	asphalt, dirt			*
N7/6	Tótújfalu, stating point of the asphalted dyke	Felsőszentmárton, Tábor u., entrance to dyke	12,06 km	dyke	asphalt			***
N7/7	Felsőszentmárton, Tábor u., entrance to dyke	Drávasztára, Kossuth L. u. (church)	9,87 km	dyke	asphalt			***
N7/8	Drávasztára, Kossuth L. u. (church)	Drávasztára, crossroad towards dyke	1,25 km	public road, main street in settlement	asphalt	5821	117	***
N7/9	Drávasztára, crossroad towards dyke	Szaporca, crossing leaving off the dyke	26,4 km	dyke	dirt			**
N7/10	Szaporca, crossing leaving off the dyke	Szaporca, Ancient Drava Visitors’ Centre	2,98 km	municipality road	gravel			**
DETOURS								

N7/D1	Szentborbás, Drava embankment	Szentborbás, Drava riverside, water tour base	0,61 km	municipality road	asphalt			**
N7/D2	Felsőszentmárton, Tábor u., entrance to dyke	Felsőszentmárton, village centre	1,23 km	local road, street in settlement	asphalt			***
N7/D3	Vejti, crossing on dyke	Vejti, riverside, mooring	1 km	forest road	dirt			*
N7/D4	Drávasztára, Kossuth L. u. (church)	Sellye, Thermal bath	7,58 km	public road	asphalt	5821		***



26. Table: Subsections of N7 stage

4.7.5. Implemented infrastructure







Two large info boards have been installed at the stage points. At the Old Drava Visitor Center of Danube-Drava National Park the info board is equipped with a bench. Also 6 bicycle racks and a self-service bicycle station has been set up next to the info board. Total 127 road signs have been placed along daily stage N7, 93 signs along the main route, while further 34 signs along the detours.



15-16. Figures: signs along stage N7 (Source: Road Signal Ltd.)

Stage N7				
Nr.	Type	Latitude (in google map form)	Longitude (in google map form)	Name of the location
1.	Large info board, start point of stage N7	45.946315	17.465375	Barcs
				
2.	Large info board, end point of stage N7	45.800632	18.098088	Szaporca
				

27. Table: Installed infrastructure elements along stage N7

<i>image</i>	<i>direction</i>	<i>total</i>
	right	14
	left	13
	straight	22
Number of LARGE road signs:		49
	right	14
	left	13
	straight	51
Number of SMALL road signs:		78

28. Table: Type and number of signs along stage N7

Stage N7 – road signs

nr.	coordinates of the location		type of the sign (direction)	Content	
	x	y		Text and distance	logo(s)
1.	45.938583	17.571933	large (straight)	Drávasztára 34 km Drávagárdony 2,5 km	AoE, 4, EV13, Három folyó
2.	45.938692	17.571885	small (straight)	-	AoE, 4, EV13, Három folyó
3.	45.942224	17.605303	large (straight)	Barcs 11 km Drávatamási 2,5 km	AoE, 4, EV13, Három folyó
4.	45.942150	17.605368	small (left)	-	AoE, 4, EV13, Három folyó
5.	45.942333	17.605443	small (right)	-	AoE, 4, EV13, Három folyó
6.	45.948146	17.604332	large (straight)	Drávasztára 31 km Kastélyosdombó 1,7 km	AoE, 4, EV13, Három folyó
7.	45.954080	17.603861	small (right)	-	AoE, 4, EV13, Három folyó
8.	45.954255	17.603939	small (left)	-	AoE, 4, EV13, Három folyó
9.	45.954950	17.616452	small (right)	-	AoE, 4, EV13, Három folyó
10.	45.955028	17.616150	large (straight)	Barcs 13 km Drávagárdony 1,7 km	AoE, 4, EV13, Három folyó
11.	45.954780	17.616906	small (left)	-	AoE, 4, EV13, Három folyó
12.	45.953408	17.616713	small (left)	-	AoE, 4, EV13, Három folyó
13.	45.953188	17.617314	small (right)	-	AoE, 4, EV13, Három folyó
14.	45.953457	17.620100	small (right)	-	AoE, 4, EV13, Három folyó
15.	45.953319	17.620700	small (left)	-	AoE, 4, EV13, Három folyó
16.	45.952971	17.620975	large (straight)	Drávasztára 28 km Potony 2,5 km	AoE, 4, EV13, Három folyó
17.	45.934258	17.646231	large (straight)	Barcs 17 km Kastélyosdombó 2,5 km	AoE, 4, EV13, Három folyó

18.	45.931171	17.646115	small (right)	-	AoE, 4, EV13, Három folyó
19.	45.931015	17.645979	small (left)	-	AoE, 4, EV13, Három folyó
20.	45.930855	17.644272	large (straight)	Drávasztára 25 km Tótújfalu 3 km	AoE, 4, EV13, Három folyó
21.	45.904058	17.639010	large (straight)	Barcs 21 km Potony 3 km	AoE, 4, EV13, Három folyó
22.	45.903335	17.638764	small (right)	-	AoE, 4, EV13, Három folyó
23.	45.903076	17.638532	small (left)	-	AoE, 4, EV13, Három folyó
24.	45.903166	17.635627	large (straight)	Drávasztára 22 km Felsőszentmárton 13 km	AoE, 4, EV13, Három folyó
25.	45.902991	17.631289	small (left)	-	AoE, 4, EV13, Három folyó
26.	45.902852	17.631194	small (straight)		AoE, 4, EV13, Három folyó
27.	45.902870	17.631308	small (right)		AoE, 4, EV13, Három folyó
28.	45.893695	17.646046	small (straight)	-	AoE, 4, EV13, Három folyó
29.	45.893561	17.646357	small (straight)	-	AoE, 4, EV13, Három folyó
30.	45.872274	17.653539	small (straight)	-	AoE, 4, EV13, Három folyó
31.	45.872274	17.653539	small (straight)	-	AoE, 4, EV13, Három folyó
32.	45.868312	17.652553	small (straight)	-	AoE, 4, EV13, Három folyó
33.	45.867995	17.652598	small (straight)	-	AoE, 4, EV13, Három folyó
34.	45.842724	17.667997	small (straight)	-	AoE, 4, EV13, Három folyó
35.	45.842724	17.667997	small (straight)	-	AoE, 4, EV13, Három folyó
36.	45.842590	17.712003	small (straight)	-	AoE, 4, EV13, Három folyó
37.	45.842590	17.712003	large (left)	Felsőszentmárton 1 km	AoE, 4, EV13, Három folyó

38.	45.842493	17.712508	small (straight)	-	AoE, 4, EV13, Három folyó
39.	45.842493	17.712508	large (right)	Felsőszentmárton 1 km	AoE, 4, EV13, Három folyó
40.	45.831399	17.745945	small (straight)	-	AoE, 4, EV13, Három folyó
41.	45.831399	17.745945	small (straight)	-	AoE, 4, EV13, Három folyó
42.	45.823956	17.779241	small (straight)		AoE, 4, EV13, Három folyó
43.	45.823956	17.779241	large (right)	Révfa 0,3 km	AoE
44.	45.824105	17.779895	small (straight)		AoE, 4, EV13, Három folyó
45.	45.824105	17.779895	large (left)	Révfa 0,3 km	AoE
46.	45.818085	17.816053	small (straight)	-	AoE, 4, EV13, Három folyó
47.	45.818287	17.816062	small (straight)	-	AoE, 4, EV13, Három folyó
48.	45.821180	17.818603	large (straight)	Barcs 43 km Felsőszentmárton 6 km	AoE, 4, EV13, Három folyó
49.	45.823187	17.821461	small (left)	-	AoE, 4, EV13, Három folyó
50.	45.823016	17.821303	small (right)	-	AoE, 4, EV13, Három folyó
51.	45.823310	17.821939	large (right)	Barcs 46 km Révfa 4 km	AoE, 4, EV13, Három folyó
52.	45.823310	17.821939	large (straight)	Szaporca 30 km Zaláta 8 km	AoE, 4, EV13, Három folyó
53.	45.823200	17.822073	large (right)	Szaporca 30 km Zaláta 8 km	AoE, 4, EV13, Három folyó
54.	45.823200	17.822073	large (left)	Sellye 6 km Drávaiványi 3 km	AoE
55.	45.822947	17.822051	large (straight)	Sellye 6 km Drávaiványi 3,5 km	AoE
56.	45.822947	17.822051	large (left)	Barcs 46 km Révfa 4 km	AoE, 4, EV13, Három folyó
57.	45.816205	17.825795	large (straight)	Szaporca 29 km Zaláta 7 km	AoE, 4, EV13, Három folyó
58.	45.813040	17.827849	small (straight)	-	AoE, 4, EV13, Három folyó

59.	45.812934	17.828309	large (left)	Szaporca 29 km Zaláta 7 km	AoE, 4, EV13, Három folyó
60.	45.812934	17.828309	large (right)	Drávasztára 0,6 km	AoE, 4, EV13, Három folyó
61.	45.812516	17.827785	small (straight)	-	AoE, 4, EV13, Három folyó
62.	45.810319	17.829621	small (straight)	-	AoE, 4, EV13, Három folyó
63.	45.810259	17.829997	small (straight)	-	AoE, 4, EV13, Három folyó
64.	45.788889	17.850274	small (straight)	-	AoE, 4, EV13, Három folyó
65.	45.788889	17.850274	small (straight)	-	AoE, 4, EV13, Három folyó
66.	45.790357	17.887893	small (straight)	-	AoE, 4, EV13, Három folyó
67.	45.790357	17.887893	large (left)	Zaláta 2,5 km	AoE
68.	45.790687	17.888199	small (straight)	-	AoE, 4, EV13, Három folyó
69.	45.790687	17.888199	large (right)	Zaláta 2,5 km	AoE
70.	45.795268	17.919846	small (straight)	-	AoE, 4, EV13, Három folyó
71.	45.795268	17.919846	small (straight)	-	AoE, 4, EV13, Három folyó
72.	45.799056	17.958572	small (straight)	-	AoE, 4, EV13, Három folyó
73.	45.799056	17.958572	small (straight)	-	AoE, 4, EV13, Három folyó
74.	45.794774	17.971474	large (left)	Vejti 1 km	AoE
75.	45.794774	17.971474	large (straight)	Szaporca 15 km Mailáthpuszta 9 km	AoE, 4, EV13, Három folyó
76.	45.794790	17.971716	large (left)	Szaporca 15 km Mailáthpuszta 9 km	AoE, 4, EV13, Három folyó
77.	45.794790	17.971716	large (straight)	Drávasztára 16 km Zaláta 7 km	AoE, 4, EV13, Három folyó
78.	45.794605	17.971899	large (right)	Drávasztára 16 km Zaláta 7 km	AoE, 4, EV13, Három folyó
79.	45.794605	17.971899	large (right)	Vejti 1 km	AoE
80.	45.797649	18.003667	small (straight)	-	AoE, 4, EV13, Három folyó

81.	45.797649	18.003667	small (straight)	-	AoE, 4, EV13, Három folyó
82.	45.779413	18.040015	small (straight)	-	AoE, 4, EV13, Három folyó
83.	45.779413	18.040015	small (straight)	-	AoE, 4, EV13, Három folyó
84.	45.775563	18.060112	large (left)	Mailáthpuszta 2km	AoE
85.	45.775563	18.060112	large (straight)	Drávaszabolcs 16 km Szaporca 7 km	AoE, 4, EV13, Három folyó
86.	45.775323	18.060392	large (left)	Drávaszabolcs 16 km Szaporca 7 km	AoE, 4, EV13, Három folyó
87.	45.775323	18.060392	large (right)	Drávasztára 23 km Vejeti 8 km	AoE, 4, EV13, Három folyó
88.	45.775314	18.060711	large (straight)	Drávasztára 23 km Vejeti 8 km	AoE, 4, EV13, Három folyó
89.	45.775314	18.060711	large (right)	Mailáthpuszta 2km	AoE
90.	45.776017	18.103143	large (left)	Drávaszabolcs 13 km Szaporca 4 km	AoE, 4, EV13, Három folyó
91.	45.776132	18.103148	large (right)	Drávasztára 27 km Mailáthpuszta 6 km	AoE, 4, EV13, Három folyó
92.	45.776324	18.103352	large (straight)	Drávasztára 27 km Mailáthpuszta 6 km	AoE, 4, EV13, Három folyó
93.	45.776324	18.103352	large (right)	Drávaszabolcs 13 km Szaporca 4 km	AoE, 4, EV13, Három folyó
detours					
94.	45.865246	17.657327	small (straight)	-	AoE
95.	45.865246	17.657327	large (left)	Drávasztára 16 km Felsőszentmárton 6 km	AoE, 4, EV13, Három folyó
96.	45.865246	17.657327	large (right)	Barcs 27 km Tótújfalu 6 km	AoE, 4, EV13, Három folyó
97.	45.862846	17.650696	small (straight)	-	AoE
98.	45.842596	17.712425	small (straight)	-	AoE
99.	45.842596	17.712425	large (left)	Drávasztára 10 km Révfalu 6 km	AoE, 4, EV13, Három folyó
100.	45.842596	17.712425	large (right)	Barcs 33 km Tótújfalu 12 km	AoE, 4, EV13, Három folyó

101.	45.851355	17.704571	small (straight)	-	AoE
102.	45.823853	17.779651	small (straight)	-	AoE
103.	45.877118	17.851786	small (straight)	-	AoE
104.	45.876933	17.850986	small (right)	-	AoE
105.	45.877038	17.850951	small (left)	-	AoE
106.	45.873433	17.852072	small (right)	-	AoE
107.	45.873231	17.852114	small (left)	-	AoE
108.	45.873309	17.851963	small (straight)	-	AoE
109.	45.872248	17.848215	small (straight)	-	AoE
110.	45.872100	17.845715	small (right)	-	AoE
111.	45.872100	17.845715	small (left)	-	AoE
112.	45.871915	17.845772	small (right)	-	AoE
113.	45.867801	17.841076	large (straight)	Drávasztára 5 km Drávaiványi 3 km	AoE
114.	45.864509	17.839763	small (straight)	-	AoE
115.	45.864245	17.838928	small (straight)	-	AoE
116.	45.849127	17.815822	small (right)	-	AoE
117.	45.849473	17.815788	small (left)	-	AoE
118.	45.849518	17.816138	large (straight)	Sellye 3 km	AoE
119.	45.846890	17.816544	small (straight)	-	AoE
120.	45.846198	17.816923	large (straight)	Drávasztára 2,5 km	AoE
121.	45.829296	17.819588	large (straight)	Sellye 5 km Drávaiványi 2,5 km	AoE
122.	45.795584	17.902307	small (straight)	-	AoE
123.	45.794586	17.971664	small (straight)	-	AoE
124.	45.792981	17.981991	small (straight)	-	AoE

125.	45.794773	17.971727	small (straight)	-	AoE
126.	45.775674	18.060484	small (straight)	-	AoE
127.	45.807246	18.102462	small (straight)	-	AoE

29. Table: Locations, number and other features of the signs placed along stage N7

4.8. N8 Szaporca (HU) – Villány (HU)

4.8.1. Basic information

Start point of the daily stage: Szaporca, Ancient Drava Visitor Centre (coordinates: 45.800632, 18.098088)

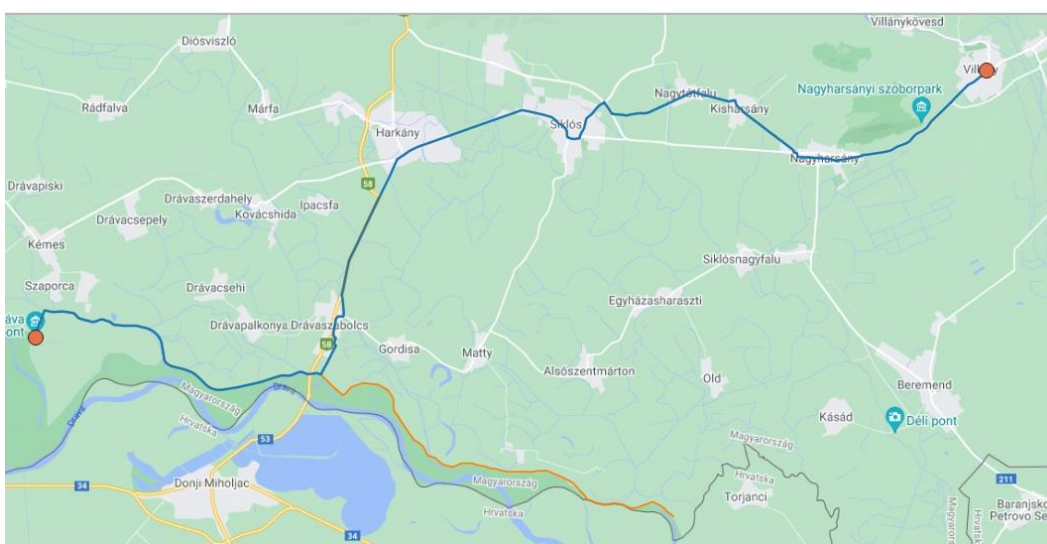
End point of the daily stage: Villány, Baross street – Batthyány street crossing (coordinates: 45.866747, 18.451242)

Length of the daily stage: 37 km

Length of the detour(s): 12,48 km

Length of the asphalt roads along the main route: 100% (37 km)

Length of the asphalt roads along the detour(s): 100% (12,48 km)



17. Figure: The daily stage between Szaporca and Villány

4.8.2. Changes compared to the route plan

The route has been implemented as it was planned, only the location of the large info board inside Villány has been modified.

4.8.3. Short summary of the stage

The section goes through various landscapes. It starts near the Drava in the area called “Ormánság”, then follows the river, heading north towards the core area of South Baranya, and going through the picturesque hills and settlements of the Villány-Siklós wine-growing area. Since the region is famous for its tourism, various services are available here regarding culture, wellness, gastronomy, and wine. In Villány, wide variety of accommodations makes easier to spend nice overnights here. Thanks to the railway connection, the regional

capital, Pécs is easily accessible by train, bicycle carriage on the trains is allowed. Most of the route runs on traffic-free sections, but the most tourist-oriented parts are equipped with excellent cycling infrastructure. More than half of the stage length consists of separated bicycle paths or bicycle lanes (Drávaszabolcs–Harkány, Harkány–Siklós, Siklós–Nagyótfalu, Kisharsány–Nagyharsány, Nagyharsány–Villány) which contribute greatly to the safety of the cyclists.

4.8.4. Information about the route and its condition

	Start point	End point	Length	Type of road	Type of the surface	Road no.	Traffic (AADT)	Quality
MAIN ROUTE								
N8/1	Szaporca, Ancient Drava Visitors' Centre	Drávaszabolcs, dyke-reeve house	9,99 km	embankment	asphalt			***
N8/2	Drávaszabolcs, dyke-reeve house	Drávaszabolcs, Köztársaság tér	1,88 km	bicycle path	asphalt			***
N8/3	Drávaszabolcs, Köztársaság tér	Drávaszabolcs – 58-5712 crossing	0,18 km	street in settlement	asphalt			**
N8/4	Drávaszabolcs – 58-5712 crossing	Harkány, József Attila u.	4,9 km	bicycle path	asphalt			***
N8/5	Harkány, József Attila u	Harkány, Ady Endre u. – Kossuth L. u. crossing	0,24 km	bicycle lane, cycling trace	asphalt	5717	2622	***
N8/6	Harkány, Ady Endre u. – Kossuth L. u. crossing	Siklós, Harkányi út – Zombori u. crossing	4 km	bicycle path	asphalt			***
N8/7	Siklós, Harkányi út – Zombori u. crossing	Siklós, Harkányi út – Felszabadulás u. crossing	0,06 km	street in settlement	asphalt			***
N8/8	Siklós, Harkányi út – Felszabadulás u. crossing	Siklós centre (Baross G. – Széchenyi u. crossing)	1,32 km	separated pedestrian and cycling path	asphalt			***
N8/9	Siklós centre (Baross G. – Széchenyi u. crossing)	Siklós, Széchenyi – Rákóczi u. crossing	0,34 km	separated pedestrian and cycling path	asphalt			***
N8/10	Siklós, Széchenyi – Rákóczi u. crossing	Siklós, Rákóczi u. – bypass road crossing (roundabout)	1,37 km	street in settlement	asphalt			***
N8/11	Siklós, Rákóczi u. – bypass road crossing (roundabout)	Nagyótfalu, western entrance (Kossuth u.)	2,14 km	separated bicycle path	asphalt			***
N8/12	Nagyótfalu, western entrance (Kossuth u.)	Nagyótfalu centre (Rákóczi – Kossuth u. crossing)	0,53 km	street in settlement	asphalt			**

N8/13	Nagytótfalu centre (Rákóczi – Kossuth u. crossing)	Nagytótfalu centre (Kossuth – Dózsa u. crossing)	1,9 km	street in settlement	asphalt	5715	1012	***
N8/14	Nagytótfalu centre (Kossuth – Dózsa u. crossing)	Nagyharsány cemetery (western entrance)	1,96 km	separated bicycle path	asphalt			***
N8/15	Nagyharsány cemetery (western entrance)	Nagyharsány eastern entrance (Arany – Petőfi u. crossing)	2,13 km	street in settlement	asphalt			***
N8/16	Nagyharsány eastern entrance (Arany – Petőfi u. crossing)	Villány, Baross G. – Petőfi S. u. crossing	3,85 km	separated bicycle path	asphalt			***
N8/17	Villány, Baross G. – Petőfi S. u. crossing	Villány centre (Baross G. – Batthyány u. crossing)	0,2 km	street in settlement	asphalt	5705	3504	**
DETOURS								
N8/D1	Drávaszabolcs, dyke-reeve house	Old-Keselyősfapuszta, Boros-Drava	12,48 km	embankment	asphalt			**

30. Table: Subsections of N8 stage



4.8.5. Implemented infrastructure

Two large info boards have been placed out in the two end points of the stage. The Old Drava Visitor Center of the Danube-Drava National Park is the location of one of them. The info board there is equipped with a bench. Also 6 bicycle racks and a self-service bicycle service station has been set up next to the info board. - The large info board in the center of Villány is without sitting element. The laser cut metal sheet with Amazon of Europe sign has been placed on the front of the info panel.







Total 138 signs have been placed along stage N8, 128 signs along the main route, while further 10 signs along the only one detour of the stage to Keselyősfapuszta.



18-19. Figures: AoE BT signs in Siklós and Villány (Hungary)
Source: Road Signal Ltd.

Stage N8				
Nr.	Type	Latitude (in google map form)	Longitude (in google map form)	Name of the location
1.	Large info board, start point of stage N8	45.800632	18.098088	Szaporca
				
2.	Large info board, end point of stage N8	45.866747	18.451242	Villány
				

31. Table: Infrastructure elements along stage N8

<i>image</i>	<i>direction</i>	<i>total</i>
	right	9
	left	7
	straight	19
Number of LARGE road signs:		35
	right	28
	left	26
	straight	49
Number of SMALL road signs:		103

32. Table: Type and number of the used signs along stage N8

Stage N8 – road signs

nr.	coordinates of the location		type of the sign (direction)	Content	
	x	y		Text and distance	logo(s)
1.	45.800396	18.099077	small (straight)	-	AoE, 4, EV13, Három folyó
2.	45.800427	18.099016	small (straight)	-	AoE, 4, EV13, Három folyó
3.	45.806296	18.102190	small (straight)	-	AoE, 4, EV13, Három folyó
4.	45.806465	18.101993	small (left)	-	AoE, 4, EV13, Három folyó
5.	45.806465	18.101993	small (right)	-	AoE, 4, EV13, Három folyó
6.	45.807153	18.102645	large (straight)	Szaporca 1 km	AoE
7.	45.807153	18.102645	large (right)	Harkány 16 km Drávaszabolcs 9 km	AoE, 4, EV13, Három folyó
8.	45.807121	18.102311	large (left)	Drávasztára 13 km Mailáthpuszta 7 km	AoE, 4, EV13, Három folyó
9.	45.807121	18.102311	large (right)	Szaporca 1 km	AoE
10.	45.803119	18.136282	small (straight)	-	AoE, 4, EV13, Három folyó
11.	45.803119	18.136282	small (straight)	-	AoE, 4, EV13, Három folyó
12.	45.786426	18.166661	small (straight)	-	AoE, 4, EV13, Három folyó
13.	45.786426	18.166661	small (straight)	-	AoE, 4, EV13, Három folyó
14.	45.790503	18.201593	small (straight)	-	AoE, 4, EV13, Három folyó
15.	45.790376	18.2019015	small (right)	-	AoE
16.	45.790376	18.2019015	large (straight)	Siklós 11 km Harkány 7 km	AoE, 4, EV13, Három folyó
17.	45.790398	18.202344	large (right)	Siklós 11 km Harkány 7 km	AoE, 4, EV13, Három folyó
18.	45.790398	18.202344	large (left)	Drávasztára 39 km Szaporca 9 km	AoE, 4, EV13, Három folyó
19.	45.790458	18.202473	small (straight)	-	AoE, 4, EV13, Három folyó

20.	45.790593	18.202527	small (left)	-	AoE
21.	45.790593	18.202527	large (straight)	Drávasztára 39 km Szaporca 9 km	AoE, 4, EV13, Három folyó
22.	45.790608	18.202194	large (right)	Drávasztára 39 km Szaporca 9 km	AoE, 4, EV13, Három folyó
23.	45.790608	18.202194	large (left)	Siklós 11 km Harkány 7 km	AoE, 4, EV13, Három folyó
24.	45.790608	18.202194	small (straight)	-	AoE
25.	45.790323	18.205949	large (left)	Siklós 11 km Harkány 7 km	AoE, 4, EV13, Három folyó
26.	45.790323	18.205949	large (straight)	Keselyősfapuszta 9 km	AoE, Három folyó
27.	45.790503	18.206046	large (right)	Drávasztára 39 km Szaporca 9 km	AoE, 4, EV13, Három folyó
28.	45.790503	18.206046	large (left)	Keselyősfapuszta 9 km	AoE, 4, EV13, Három folyó
29.	45.790503	18.206046	large (straight)	Siklós 11 km Harkány 7 km	AoE, 4, EV13, Három folyó
30.	45.790376	18.206196	large (straight)	Siklós 11 km Harkány 7 km	AoE, 4, EV13, Három folyó
31.	45.790376	18.206196	large (right)	Siklós 11 km Harkány 7 km	AoE, 4, EV13, Három folyó
32.	45.792958	18.208086	small (left)	-	AoE, 4, EV13, Három folyó
33.	45.793130	18.208097	small (right)	-	AoE, 4, EV13, Három folyó
34.	45.794394	18.209240	small (right)	-	AoE, 4, EV13, Három folyó
35.	45.794708	18.209204	small (left)	-	AoE, 4, EV13, Három folyó
36.	45.797677	18.211694	small (left)	-	AoE, 4, EV13, Három folyó
37.	45.797677	18.211694	small (right)	-	AoE, 4, EV13, Három folyó
38.	45.797853	18.211406	small (left)	-	AoE, 4, EV13, Három folyó
39.	45.797853	18.211406	small (right)	-	AoE, 4, EV13, Három folyó
40.	45.798495	18.211117	small (straight)	-	AoE, 4, EV13, Három folyó

41.	45.798684	18.210954	small (left)	-	AoE, 4, EV13, Három folyó
42.	45.800599	18.210778	small (straight)	-	AoE, 4, EV13, Három folyó
43.	45.805268	18.212290	small (right)	-	AoE, 4, EV13, Három folyó
44.	45.805410	18.212354	small (left)	-	AoE, 4, EV13, Három folyó
45.	45.805357	18.213553	large (straight)	Siklós 9 km Harkány 5 km	AoE
46.	45.805285	18.214306	small (left)	-	AoE, 4, EV13, Három folyó
47.	45.805615	18.214446	small (right)	-	AoE, 4, EV13, Három folyó
48.	45.805570	18.214701	small (right)	-	AoE, 4, EV13, Három folyó
49.	45.811336	18.214345	small (straight)	-	AoE, 4, EV13, Három folyó
50.	45.811336	18.214345	small (straight)	-	AoE, 4, EV13, Három folyó
51.	45.837051	18.228443	small (straight)	-	AoE, 4, EV13, Három folyó
52.	45.837051	18.228443	small (straight)	-	AoE, 4, EV13, Három folyó
53.	45.841490	18.231359	large (straight)	Szaporca 16 km Drávaszabolcs 5 km	AoE, 4, EV13, Három folyó
54.	45.841612	18.231810	small (left)	-	AoE, 4, EV13, Három folyó
55.	45.841986	18.231682	small (straight)	-	AoE, 4, EV13, Három folyó
56.	45.842057	18.231510	small (right)	-	AoE, 4, EV13, Három folyó
57.	45.843305	18.232379	small (right)	-	AoE, 4, EV13, Három folyó
58.	45.843305	18.232379	small (right)	-	AoE, 4, EV13, Három folyó
59.	45.844029	18.233081	small (straight)	-	AoE, 4, EV13, Három folyó
60.	45.846176	18.234561	small (right)	-	AoE, 4, EV13, Három folyó

61.	45.846500	18.234631	small (left)	-	AoE, 4, EV13, Három folyó
62.	45.847481	18.236551	small (straight)	-	AoE, 4, EV13, Három folyó
63.	45.847604	18.236686	small (straight)	-	AoE, 4, EV13, Három folyó
64.	45.847624	18.236765	small (right)	-	AoE, 4, EV13, Három folyó
65.	45.847873	18.237130	small (right)	-	AoE, 4, EV13, Három folyó
66.	45.847891	18.237095	small (straight)	-	AoE, 4, EV13, Három folyó
67.	45.852975	18.255003	large (straight)	Villány 18 km Siklós 2 km	AoE, 4, EV13, Három folyó
68.	45.859215	18.279969	large (straight)	Drávaszabolcs 9 km Harkány 2 km	AoE, 4, EV13, Három folyó
69.	45.858686	18.285836	small (straight)	-	AoE, 4, EV13, Három folyó
70.	45.858506	18.286322	small (straight)	-	AoE, 4, EV13, Három folyó
71.	45.857914	18.290199	small (left)	-	AoE, 4, EV13, Három folyó
72.	45.858025	18.290229	small (straight)	-	AoE, 4, EV13, Három folyó
73.	45.857358	18.292641	small (left)	-	AoE, 4, EV13, Három folyó
74.	45.857358	18.292641	small (right)	-	AoE, 4, EV13, Három folyó
75.	45.856185	18.294879	small (straight)	-	AoE, 4, EV13, Három folyó
76.	45.855963	18.295043	small (straight)	-	AoE, 4, EV13, Három folyó
77.	45.852126	18.298497	small (left)	-	AoE, 4, EV13, Három folyó
78.	45.852126	18.298497	small (right)	-	AoE, 4, EV13, Három folyó
79.	45.851783	18.302787	small (left)	-	AoE, 4, EV13, Három folyó
80.	45.851783	18.302787	small (right)	-	AoE, 4, EV13, Három folyó

81.	45.852377	18.303132	small (straight)	-	AoE, 4, EV13, Három folyó
82.	45.858771	18.308323	large (straight)	Villány 13 km Nagytótfalu 3 km	AoE, 4, EV13, Három folyó
83.	45.861159	18.311570	small (straight)	-	AoE, 4, EV13, Három folyó
84.	45.860811	18.312344	small (straight)	-	AoE, 4, EV13, Három folyó
85.	45.858412	18.314847	small (right)	-	AoE, 4, EV13, Három folyó
86.	45.858412	18.314847	small (left)	-	AoE, 4, EV13, Három folyó
87.	45.861063	18.336425	small (left)	-	AoE, 4, EV13, Három folyó
88.	45.861063	18.336425	large (right)	Harkány 8 km Siklós 3 km	AoE, 4, EV13, Három folyó
89.	45.863181	18.342623	small (straight)	-	AoE, 4, EV13, Három folyó
90.	45.863213	18.343254	small (straight)	-	AoE, 4, EV13, Három folyó
91.	45.863144	18.342920	small (right)	-	AoE, 4, EV13, Három folyó
92.	45.863144	18.342920	small (left)	-	AoE, 4, EV13, Három folyó
93.	45.863829	18.344601	small (left)	-	AoE, 4, EV13, Három folyó
94.	45.864030	18.345318	small (straight)	-	AoE, 4, EV13, Három folyó
95.	45.863044	18.350129	large (straight)	Villány 10 km Kisharsány 1 km	AoE, 4, EV13, Három folyó
96.	45.861755	18.358110	large (straight)	Harkány 9,5 km Nagytótfalu 1 km	AoE, 4, EV13, Három folyó
97.	45.861704	18.361481	small (left)	-	AoE, 4, EV13, Három folyó
98.	45.861179	18.360918	small (right)	-	AoE, 4, EV13, Három folyó
99.	45.859148	18.364004	small (right)	-	AoE, 4, EV13, Három folyó
100.	45.858961	18.364362	small (left)	-	AoE, 4, EV13, Három folyó

101.	45.858991	18.364094	small (left)	-	AoE, 4, EV13, Három folyó
102.	45.858809	18.364373	small (right)	-	AoE, 4, EV13, Három folyó
103.	45.857875	18.366074	large (straight)	Villány 7,5 km Nagyharsány 1,5 km	AoE, 4, EV13, Három folyó
104.	45.849352	18.382525	large (straight)	Siklós 7 km Kisharsány 1,5 km	AoE, 4, EV13, Három folyó
105.	45.848338	18.383135	small (left)	-	AoE, 4, EV13, Három folyó
106.	45.848269	18.383367	small (right)	-	AoE, 4, EV13, Három folyó
107.	45.848096	18.384321	small (right)	-	AoE, 4, EV13, Három folyó
108.	45.848043	18.384497	small (left)	-	AoE, 4, EV13, Három folyó
109.	45.847066	18.384732	small (left)	-	AoE, 4, EV13, Három folyó
110.	45.847066	18.384732	small (right)	-	AoE, 4, EV13, Három folyó
111.	45.846766	18.392100	large (straight)	Villány 5 km	AoE, 4, EV13, Három folyó
112.	45.846766	18.392100	large (right)	Beremend 6 km Kistapolca 2,5 km	AoE, Három folyó
113.	45.846819	18.392609	large (straight)	Harkány 13 km Kisharsány 2,5 km	AoE, 4, EV13, Három folyó
114.	45.846819	18.392609	large (left)	Beremend 6 km Kistapolca 2,5 km	AoE, Három folyó
115.	45.846190	18.398302	small (straight)	-	AoE, 4, EV13, Három folyó
116.	45.846111	18.398822	small (straight)	-	AoE, 4, EV13, Három folyó
117.	45.847441	18.400847	small (left)	-	AoE, 4, EV13, Három folyó
118.	45.847485	18.408541	small (right)	-	AoE, 4, EV13, Három folyó
119.	45.847624	18.408018	small (left)	-	AoE, 4, EV13, Három folyó
120.	45.847610	18.408216	small (right)	-	AoE, 4, EV13, Három folyó

121.	45.847645	18.408630	large (straight)	Villány 3,5 km	AoE, 4, EV13, Három folyó
122.	45.855438	18.433720	small (straight)	-	AoE, 4, EV13, Három folyó
123.	45.855589	18.433761	small (straight)	-	AoE, 4, EV13, Három folyó
124.	45.863209	18.444494	large (straight)	Harkány 18 km Nagyharsány 3,5 km	AoE, 4, EV13, Három folyó
125.	45.868613	18.454715	small (straight)	-	AoE, 4, EV13, Három folyó
126.	45.868764	18.454621	small (straight)	-	AoE, 4, EV13, Három folyó
127.	45.869775	18.455735	small (straight)	-	AoE, 4, EV13, Három folyó
128.	45.873109	18.456594	small (straight)	-	AoE, 4, EV13, Három folyó
detours					
129.	45.781254	18.233397	small (straight)	-	AoE, Három folyó
130.	45.781254	18.233397	small (straight)	-	AoE, Három folyó
131.	45.766611	18.265092	small (straight)	-	AoE, Három folyó
132.	45.766611	18.265092	small (straight)	-	AoE, Három folyó
133.	45.765000	18.286685	small (straight)	-	AoE, Három folyó
134.	45.765000	18.286685	large (left)	Siklós 12 km Matty 5 km	AoE, Három folyó
135.	45.765000	18.286685	large (right)	Drávaszabolcs 9 km	AoE, Három folyó
136.	45.755599	18.322899	small (straight)	-	AoE, Három folyó
137.	45.755599	18.322899	small (straight)	-	AoE, Három folyó
138.	45.762357	18.29978	small (straight)	-	AoE, Három folyó

33. Table: Locations and other features of the signs along stage N8

4.9. N9 Villány (HU) – Osijek (CR)

4.9.1. Basic information

Start point of the daily stage: Villány (Hungary), Baross street – Batthyány street crossing (coordinates: 45.866747 18.451242)

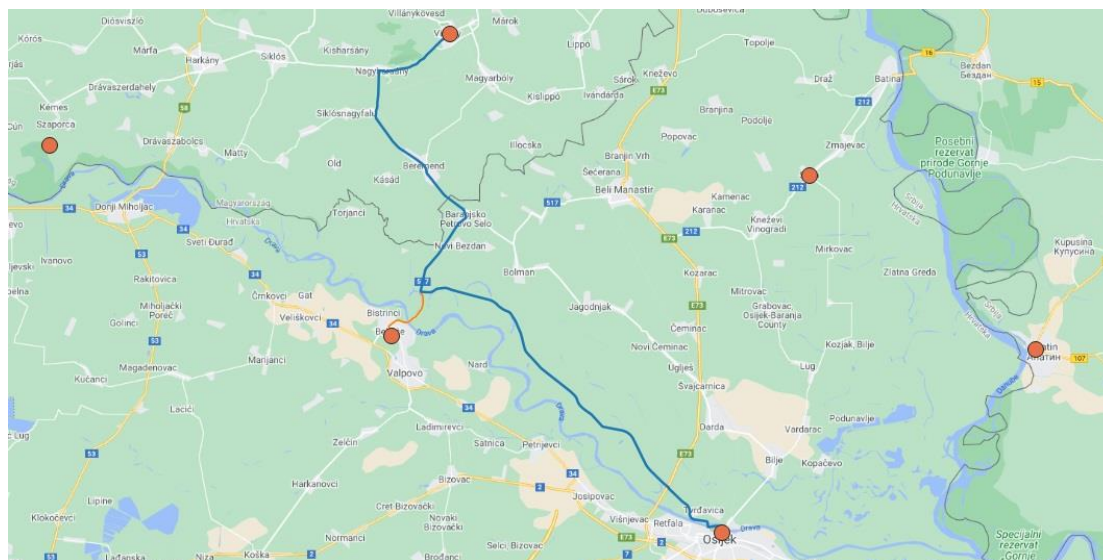
End point of the daily stage: Osijek Tvrđa (Biljska cesta – ul. Franje Kuhaća crossing, coordinates: 45.559190, 18.698950)

Length of the daily stage: 54 km

Length of the detour(s): 2,48 km

Length of the asphalt roads along the main route: 50% (27,19 km)

Length of the asphalt roads along the detour(s): 100% (2,48 km)



20. Figure: The daily stage between Villány and Osijek

4.9.2. Changes compared to the route plan

Since Osijek is stage point on both the north and south route, a special two-sided info board needed to be designed, produced, and placed in the city. In the start point of the stage, Villány, the large info board had to be placed in another site, less than a kilometre farther compared to the planned spot. This change resulted the shortening of the daily stage by 0,9 km. Besides this, both in the Croatian and the Hungarian side, the implementation was in accordance with the plans was written in the Amazon of Europe Bike Trail detailed route plan document (O.5.1.).

4.9.3. Short summary of the stage

The route of this daily stage goes on various types of infrastructure, from the bicycle path to gravel roads. It runs in two countries, can be split into a Hungarian and a Croatian part. The Hungarian section goes through the inside parts of Villány, then on the separated bicycle path between Villány and Nagyharsány. The section Nagyharsány – Beremend – state border is going a public road with low traffic. Majority of the Croatian section is gravel road on the Drava embankment, which means that 50 % of the total length of the stage is not asphalted.

It is an advantage that relatively high percentage of the stage runs close to the river and the floodplain. At the same time, this closeness to the nature means the lack of any services in a longer stretch, but it is compensated by the concentration of services in the start/ end points.

4.9.4. Information about the route and its condition

	Start point	End point	Length	Type of road	Type of the surface	Road no.	Traffic (AADT)	Quality
MAIN ROUTE								
N9/1	Villány centre (Baross G. – Batthyány u. crossing)	Villány, Baross G. – Petőfi S. u. crossing	0,2 km	street in settlement	asphalt	5705	3504	**
N9/2	Villány, Baross G. – Petőfi S. u. crossing	Nagyharsány eastern entrance (Arany – Petőfi u. crossing)	3,86 km	segregated bicycle path	asphalt			***
N9/3	Nagyharsány eastern entrance (Arany – Petőfi u. crossing)	Nagyharsány, Beremendi út – Vörösmarty u. crossing	1,32 km	street in settlement	asphalt			***
N9/4	Nagyharsány, Beremendi út – Vörösmarty u. crossing	Beremend centre (Kossuth L. – Hegyalja u. crossing)	8,41 km	public road	asphalt	5708	2265	***
N9/5	Beremend centre (Kossuth L. – Hegyalja u. crossing)	Beremend, state border	2,51 km	public road	asphalt	5708	2265	***
N9/6	Beremend, state border	Baranjsko Petrovo Selo, Kolodvorska ul. 45.760575, 18.467697	1,3 km	public road	asphalt	D211		***
N9/7	Baranjsko Petrovo Selo, Kolodvorska ul.	Baranjsko Petrovo Selo, Daljok ul.	1,43 km	street in settlement	asphalt			***




		45.750674, 18.462745						
N9/8	Baranjsko Petrovo Selo, Daljok ul.	D517-Glavni dravski nasip (Main Drava embankment) 45.709288, 18.429655	5,39 km	public road	asphalt	D517	1160	***
N9/9	D517-Glavni dravski nasip (Main Drava embankment)	Glavni dravski nasip (Main Drava embankment), pedestrian / bicycle bridge Osijek crossing 45.566170, 18.684176	27,68 km	embankment	stabilised gravel			*** (**)
N9/10	Glavni dravski nasip (Main Drava embankment), pedestrian / bicycle bridge Osijek crossing	Pedestrian / bicycle bridge, Promenade crossing 45.562523, 18.685420	0,39 km	separated bicycle path	asphalt			***
N9/11	Pedestrian / bicycle bridge, Promenade crossing	Promenade, Ulica Kneza Trpimira crossing 45.561244, 18.700740	1,23 km	separated bicycle path	asphalt			***
N9/12	Promenade, Ulica Kneza Trpimira crossing	Osijek, Tvrdča (Biljska cesta – ul. Franje Kuhaća crossing 45.559382, 18.698981	0,24 km	separated bicycle lane	asphalt			***
DETOURS								
N9/D1	D517-Glavni dravski nasip (Main Drava embankment) 45.709288, 18.429655	Drava bridge Belišće 45.690541, 18.418109	2,48 km		asphalt	D517		***

34. Table: Subsections of N9 stage







4.9.5. Implemented infrastructure

Two large info board have been placed in the stage points: Villány (Hungary) and Osijek (Croatia). Since Osijek is a stage point both on the north and south routes, a special two-sided information board has been installed there. In the middle of the stage, a bicycle repair stand has been placed as well on the shore of the old Drava oxbow lake, north of Belišće.




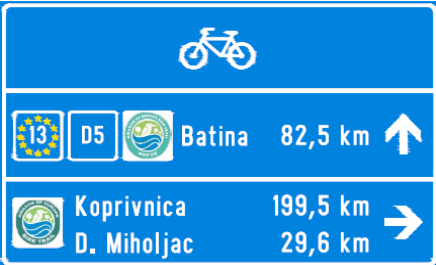

The number of road signs along the stage is 60, 36 of them can be found in Hungary, while 24 are on the Croatian part. In Osijek, there are overlaps with other stages in some sections, thus the placed signs there are part of multiple stages of the Amazon of Europe Bike Trail. On the Hungarian part, Villány-Nagyharsány is a common section of stages N8 and N9, the related road signs (19 signs) are listed in both chapters.

Stage N9				
Nr.	Type	Latitude (in google map form)	Longitude (in google map form)	Name of the location
1.	Large info board, start point of stage N9	45.866747	18.451242	Villány, Hungary
				
2.	Bicycle repair stand	45.70393	18.43163	Old Drava, near Belišće, Croatia
				
3.	Large info board, end point of stage N9	45.55919	18.69895	Osijek, Croatia
				

35. Table: Installed infrastructure elements along stage N9

<i>image</i>	<i>direction</i>	<i>total</i>
	right	4
	left	3
	straight	9
Number of LARGE road signs:		16
	right	2
	left	2
	straight	16
Number of SMALL road signs:		20
TOTAL NUMBER OF ROAD SIGNS:		36

36. Table: Size, type and number of the used signs along the Hungarian part of stage N9

image	dimension [cm]	Total number of signs	1 logo	2 logos
	30 X 30	7	3	4
	45 X 30	1	1	
	60 X 30	2	2	
	100 X 60	4	4	
	60 x 30	2	2	
	Total:	16		

36. Table: Type and number of the used signs along the Croatian part of stage N9

Stage N9 – road signs

nr.	coordinates of the location		type of the sign (direction)	Content	
	x	y		Text and distance	logo(s)
Hungary					
1.	45.873109	18.456594	small (straight)	-	AoE, 4, EV13, Három folyó
2.	45.869775	18.455735	small (straight)	-	AoE, 4, EV13, Három folyó
3.	45.868764	18.454621	small (straight)	-	AoE, 4, EV13, Három folyó
4.	45.868613	18.454715	small (straight)	-	AoE, 4, EV13, Három folyó
5.	45.863209	18.444494	large (straight)	Harkány 18 km Nagyharsány 3,5 km	AoE, 4, EV13, Három folyó
6.	45.855589	18.433761	small (straight)	-	AoE, 4, EV13, Három folyó
7.	45.855438	18.433720	small (straight)	-	AoE, 4, EV13, Három folyó
8.	45.847645	18.408630	large (straight)	Villány 3,5 km	AoE, 4, EV13, Három folyó
9.	45.847610	18.408216	small (right)	-	AoE, 4, EV13, Három folyó
10.	45.847624	18.408018	small (left)	-	AoE, 4, EV13, Három folyó
11.	45.847485	18.408541	small (right)	-	AoE, 4, EV13, Három folyó
12.	45.847441	18.400847	small (left)	-	AoE, 4, EV13, Három folyó
13.	45.846111	18.398822	small (straight)	-	AoE, 4, EV13, Három folyó
14.	45.846190	18.398302	small (straight)	-	AoE, 4, EV13, Három folyó
15.	45.846819	18.392609	large (left)	Beremend 6 km Kistapolca 2,5 km	AoE, Három folyó
16.	45.846819	18.392609	large (straight)	Harkány 13 km Kisharsány 2,5 km	AoE, 4, EV13, Három folyó

17.	45.846766	18.392100	large (right)	Beremend 6 km Kistapolca 2,5 km	AoE, Három folyó
18.	45.846766	18.392100	large (straight)	Villány 5 km	AoE, 4, EV13, Három folyó
19.	45.846694	18.392293	small (straight)	-	AoE, Három folyó
20.	45.846692	18.392482	large (right)	Villány 5 km	AoE, 4, EV13, Három folyó
21.	45.846692	18.392482	large (left)	Harkány 13 km Kisharsány 2,5 km	AoE, 4, EV13, Három folyó
22.	45.822796	18.390144	large (straight)	Petárda (HR) 10 km Beremend 3,5 km	AoE
23.	45.822796	18.390144	large (right)	Matty 12 km Kistapolca 0,1 km	AoE, Három folyó
24.	45.822466	18.390227	small (straight)	-	AoE, Három folyó
25.	45.822512	18.389763	large (right)	Beremend 3,5 km	AoE
26.	45.822512	18.389763	large (left)	Nagyharsány 2,5 km	AoE, Három folyó
27.	45.822291	18.389828	small (straight)	-	AoE
28.	45.796978	18.413897	small (straight)	-	AoE
29.	45.796978	18.413897	small (straight)	-	AoE
30.	45.784849	18.434793	small (straight)	-	AoE
31.	45.784849	18.434793	large (straight)	Nagyharsány 6 km Kistapolca 3,5 km	AoE
32.	45.785186	18.434762	small (straight)	-	AoE
33.	45.784255	18.434473	small (straight)	-	AoE
34.	45.776018	18.442770	large (straight)	Eszék (HR) 35 km	AoE
35.	45.769413	18.450429	large (straight)	Eszék (HR) 33 km	AoE
36.	45.769660	18.450507	large (straight)	Nagyharsány 10 km Beremend 1 km	AoE
Croatia					

37.	45.760635	18.467465	right	Donji Miholjac 40,6 km Osijek 35,6 km	AoE
38.	45.760725	18.467669	no direction (Amazon of Europe)	-	AoE
39.	45.755645	18.470306	no direction (Amazon of Europe)	-	AoE
40.	45.755697	18.470134	left/right	Batina 41,8 km Donji Miholjac 40 km Osijek 35 km	AoE, D5, EV13
41.	45.733509	18.446470	no direction (Amazon of Europe)	-	AoE, D5, EV13
42.	45.733659	18.446234	no direction (Amazon of Europe)	-	AoE, D5, EV13
43.	45.710039	18.429455	straight/left	Donji Miholjac 34 km Belišće 4 km Erdut 64,7 km Osijek 28,7 km	AoE, D5, EV13
44.	45.709195	18.430010	no direction (Amazon of Europe)	-	AoE
45.	45.709294	18.429938	right/left	Donji Miholjac 34 km Belišće 4 km Baranjsko Petrovo Selo 8 km	AoE, D5, EV13
46.	45.708948	18.429613	straight/right	Baranjsko Petrovo Selo 8 km Erdut 64,7 km Osijek 28,7 km	AoE, D5, EV13
47.	45.569170	18.669655	straight	Erdut 37 km	AoE
48.	45.569050	18.669870	straight	B.P.Selo 26 km	AoE
49.	45.566068	18.684924	right	Udvar 71 km Erdut 36 km	AoE
50.	45.566019	18.685101	left	B.P.Selo 27 km	AoE
51.	45.564795	18.685090	straight/left	Erdut 35,7 km Udvar 70,3 km	AoE, D9, EV6
52.	45.564588	18.685256	straight/right	Baranjsko Petrovo Selo 27,3 km	AoE, D9, EV6

				Udvar 70,3 km	
53.	45.564569	18.685401	left/right	Erdut 35,7 km Baranjsko Petrovo Selo 27,3 km	AoE, D9, EV6
54.	45.562398	18.685165	straight/left	Erdut 35,4 km Udvar 70,6 km B.P.Selo 28 km	AoE, D9, EV6, Drava Bike
55.	45.562409	18.685315	left/right	D. Miholjac 61,4 km Erdut 35,4 km	AoE, D9, EV6, Drava Bike
56.	45.562447	18.685628	straight/right	D. Miholjac 61,4 km Udvar 70,6 km B.P.Selo 28 km	AoE, D9, EV6, Drava Bike
57.	45.561340	18.700391	right	Erdut 34,2 km	AoE
58.	45.561201	18.700763	left	Udvar 72 km D.Miholjac 62,6 km	AoE
59.	45.559494	18.699020	left	Erdut 33,8 km	AoE, Drava Bike, EV6
60.	45.559494	18.699020	right	Udvar 72,2 km D.Miholjac 63 km	AoE, Drava Bike, EV6

38. Table: Locations and other features of the signs along stage N9

4.10. N10 Osijek (CR) – Suza (CR)

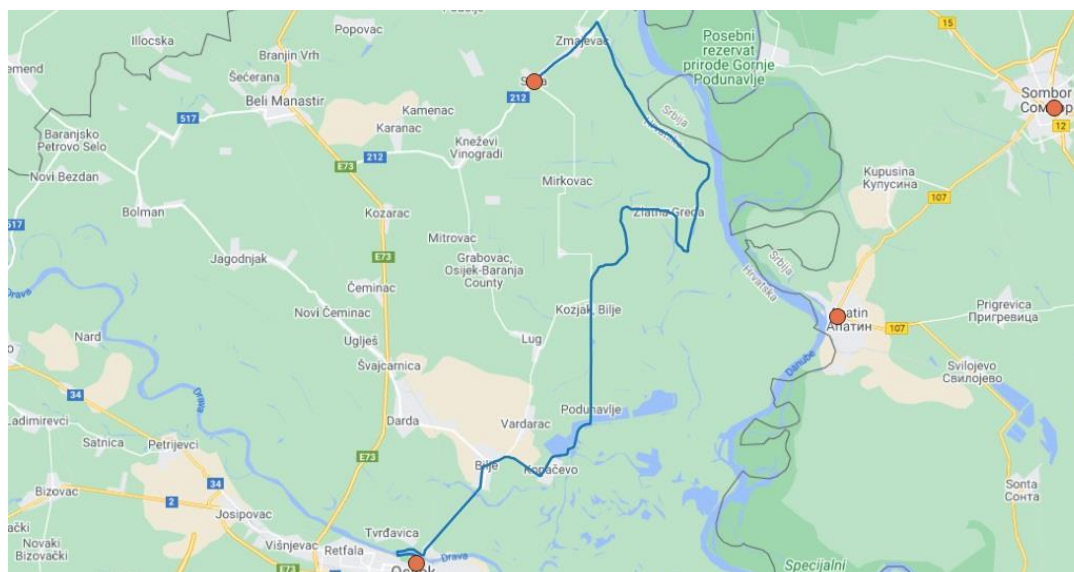
4.10.1. Basic information

Start point of the daily stage: Osijek, Tvrđa (Biljska cesta – ul. Franje Kuhaća crossing); Coordinates: 45.559190, 18.698950

End point of the daily stage: Suza, village centre; Coordinates: 45.781660, 18.775620

Length of the daily stage: 52,64 km

Length of the asphalt roads along the main route: 84 % (44,26 km)



21. Figures: The daily stage between Osijek and Suza

4.10.2. Changes compared to the route plan

There were two changes regarding the route N10. In Osijek, the route does not use the Franjo Tuđman Bridge to cross the Drava River, but the cyclist/pedestrian bridge 1 km west of it, then it returns to the main road towards Bilje. In Bilje, due to the change in the spatial plan of the Bilje municipality, compared to the initial plans the route has to use another street north of the church to reach the roundabout in the center of the settlement.

The large info board in Osijek built in a special design, with info panels on both sides, but its location remained the same.

4.10.3. Short summary of the stage

Total length of the daily stage runs in Croatia, this is among the most interesting and cyclist-friendly sections of the whole trail because it goes mainly on the low-traffic roads and traffic-free embankments through Nature

Park, with plenty of panoramic views of the wetlands, forests, and fields. There is also a great possibility to encounter wild animals such as red deer, wild boars, eagles, etc. and opportunities for various activities such as hiking, guided tours, canoeing, kayaking, boat tours, observing wildlife. Furthermore, there are also plenty of quality restaurants with traditional cuisine, and wine cellars with the production of domestic wine in the area. Accommodation is available in every village, whether it is a hotel, hostel, camp or rural household with domestic animals, even the wilderness accommodation is possible.

Along the section there is also a lot to see related to protected cultural heritage: castles (in Bilje and Tikveš) „puszta” (Podunavlje, Kozjak, Tikveš, Zlatna Greda), but also various festivals are held throughout the year, celebrating local cuisine, customs, music, and traditional heritage (Paprika fest, fishing days, Ethno meetings, Wine marathon, Danube Day, etc.) which makes this daily stage more colourful.

This daily stage can be considered as appropriate both from the perspectives of cycling and nature closeness, it is suitable for providing a rich and complex experience.

4.10.4. Information about the route and its condition

	Start point	End point	Length	Type of road	Type of the surface	Road no.	Traffic (AADT)	Quality
MAIN ROUTE								
N10/1	Osijek, Tvrdá (Biljska cesta – ul. Franje Kuhaća crossing 45.559190, 18.698950	Franjo Tuđman bridge, south 45.561316, 18.700667	0,24 km	separated bicycle lane	asphalt	4257	8016	**
N10/2	Franjo Tuđman bridge, south	Cyclist/pedestrian bridge, south 45.562619, 18.685508	1,23 km	bicycle path	asphalt			***
N10/3	Cyclist/pedestrian bridge, south	Cyclist/pedestrian bridge, north 45.564428, 18.685215	0,2 km	pedestrian/bicycle bridge	asphalt			***
N10/4	Cyclist/pedestrian bridge, north	Franjo Tuđman bridge, road nr. 4257 crossing	1,7 km	bicycle path	asphalt			***
N10/5	Franjo Tuđman bridge, road nr. 4257 crossing	Bilje 4257, Blatna street crossing 45.594271, 18.740572	4,37 km	separated bicycle path	asphalt			***

N10/6	Bilje 4257, Blatna street crossing	Bilje, Blatna ul-Crkvena ul. intersection 45.604031, 18.741838	0,95 km	roads in settlement	asphalt			**
N10/7	Bilje, Blatna ul-Crkvena ul. intersection	Bilje, roundabout 45.604101, 18.743703	0,15 km	roads in settlement	asphalt			**
N10/8	Bilje, roundabout	Bilje, 4042, 4056 intersection 45.608239, 18.756143	1,1 km	public road	asphalt	4042		***
N10/9	Bilje, 4042, 4056 intersection	Kopačevo, ul. Ferenc Kiša-Podunavska crossing 45.599498, 18.780270	2,17 km	public road	asphalt	4056		***
N10/10	Kopačevo, ul. Ferenc Kiša-Podunavska crossing	Podunavlje, End of the asphalted embankment 45.623660, 18.813238	4,17 km	public road, embankment	asphalt	4056		***
N10/11	Podunavlje, End of the asphalted embankment	Kozjak 4056, 4055 crossing 45.681369, 18.813373	6,42 km	public road	asphalt	4056		**
N10/12	Kozjak 4056, 4055 crossing	Tikveš castle 4055, local road to Zlatna Greda crossing 45.689936, 18.813595	0,93 km	public road	asphalt	4055		***
N10/13	Tikveš castle 4055, local road to Zlatna Greda crossing	Local road to Zlatna Greda, Danube embankment crossing 45.703588, 18.877774	10 km	public road	asphalt			***
N10/14	Local road to Zlatna Greda, Danube	Zlatna Greda, hunting lodge 45.707913, 18.878284	0,62 km	embankment	asphalt			***



	embankment crossing							
N10/15	Zlatna Greda, hunting lodge (southern)	Zlatna Greda, hunting lodge (northern) 45.765636, 18.848731	8,38 km	Water management road, embankment	stabilized gravel			***
N10/16	Zlatna Greda, hunting lodge (northern)	Danube embankment, D212 crossing 45.809349, 18.817530	5,42 km	Water management road, embankment	asphalt			***
N10/17	Danube embankment, D212 crossing	Suza, village centre	4,59 km	public road	asphalt	D212	1930	***

39. Table: Subsections of N10 stage


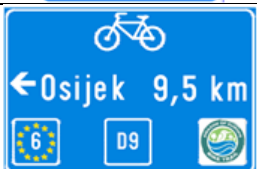



4.10.5. Implemented infrastructure

Two large info boards have been placed to the two stage points of the stage: Osijek and Suza. Since Osijek is a stage point of multiple daily stages both on the north and south routes, a special two-sided large info board with info panels on its both sides has been produced and installed there. Besides the info boards, one bicycle self-service repair stand has been also placed along the daily stage in Kozjak.

The total number of road signs have been placed in relation to stage N10 is 48, but since there are many overlapping sections between the stages, the number of those signs belong only to this is slightly less.

Stage N10				
Nr.	Type	Latitude (in google map form)	Longitude (in google map form)	Name of the location
1.	Large info board, start point of stage N10	45.55919	18.69895	Osijek
				
2.	Bicycle repair stand	45.67533	18.81330	Kozjak
				
3.	Large info board, end point of stage N10	45.78166	18.77562	Suza
				

40. Table: Installed infrastructure elements along stage N10

Image	Dimension [cm]	Total number of signs	1 logo	2 logos	3 logos
	30 X 30	14	8	3	3
	60 X 30	7	3	3	1
	60 X 30	2		1	1
	100 X 60	8		3	5
	60 x 30	10	4	5	1
	Total:	41			

41. Table: Size, type and number of the used signs along stage N10

Stage N10 – road signs

Nr.	Direction	Latitude (in google map form)	Longitude (in google map form) Information
1.	right	45.559494	18.699020
2.	left	45.559494	18.699020
3.	left	45.561201	18.700763
4.	right	45.561340	18.700391
5.	straight/right	45.562447	18.685628
6.	left/right	45.562409	18.685315
7.	straight/left	45.562398	18.685165
8.	left/right	45.564569	18.685401
9.	straight/right	45.564588	18.685256
10.	straight/left	45.564795	18.685090
11.	left	45.562841	18.701482
12.	right	45.562860	18.701654
13.	no direction (Amazon of Europe)	45.564779	18.703349
14.	left	45.593908	18.740053
15.	no direction (Amazon of Europe)	45.594118	18.740372
16.	no direction (Amazon of Europe)	45.594659	18.740576
17.	no direction (Amazon of Europe)	45.603889	18.741703
18.	right	45.603870	18.741842
19.	no direction (Amazon of Europe)	45.604155	18.743430
20.	no direction (Amazon of Europe)	45.604099	18.744503
21.	right	45.608066	18.755964
22.	left	45.608332	18.756844
23.	left	45.600164	18.777751
24.	right	45.600659	18.781168
25.	left	45.623526	18.812727
26.	right	45.624047	18.813214
27.	no direction (Amazon of Europe)	45.652710	18.813335
28.	no direction (Amazon of Europe)	45.652616	18.813414
29.	straight	45.680891	18.813444
30.	straight	45.681755	18.813358
31.	straight/right	45.689582	18.813700
32.	left/right	45.690818	18.814070
33.	no direction (Amazon of Europe)	45.697942	18.830433
34.	no direction (Amazon of Europe)	45.698482	18.831313
35.	no direction (Amazon of Europe)	45.722740	18.840301
36.	no direction (Amazon of Europe)	45.722646	18.840221

37.	right	45.721954	18.863904
38.	left	45.721235	18.864827
39.	right	45.721033	18.865331
40.	left	45.721591	18.864998
41.	left	45.703035	18.877274
42.	right	45.703676	18.877703
43.	left/right	45.809037	18.817835
44.	no direction (Amazon of Europe)	45.809013	18.817717
45.	left/straight	45.809639	18.817669
46.	straight/right	45.809050	18.817082
47.	no direction (Amazon of Europe)	45.809288	18.817245
48.	right	45.781822	18.775692

42. Table: Locations and other features of the used signs along stage N10

4.11. N11 Suza (CR) – Mohács (HU)

4.11.1. Basic information

Start point of the daily stage: Suza (Croatia), village centre Coordinates: 45.781660, 18.775620

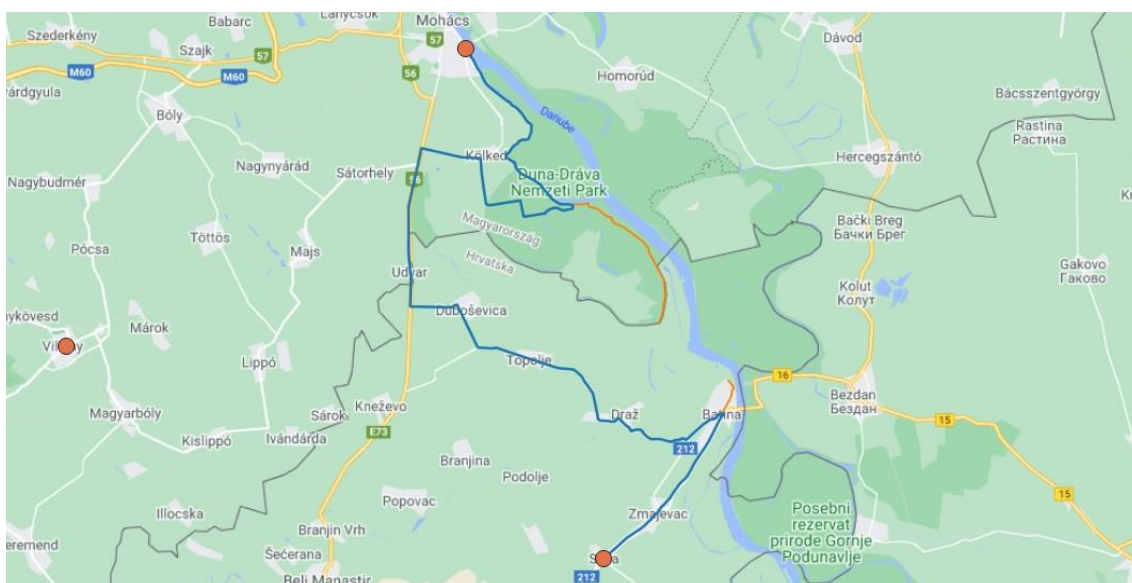
End point of the daily stage: Mohács (Hungary), Szent János u. (ferry port); Coordinates: 45.992770, 18.693759

Length of the daily stage: 51,63 km

Length of the detour(s): 9,76 km

Length of the asphalt roads along the main route: 100% (51,63 km)

Length of the asphalt roads along the detour(s): 100% (9,76 km)



22. Figure: The daily stage between Suza and Mohács

4.11.2. Changes compared to the route plan

Regarding this stage, everything was implemented in accordance with the plans.

4.11.3. Short summary of the stage

The Croatian part of the section consists of only asphalt public roads in good quality, with low and moderate traffic. At Batina, it reaches the Danube, the hill with the monument offers spectacular view on the river. Then the route moves away from the Danube due to the features of local road network, the location where the Amazon of Europe Bike Trail intersects the state border (Udvar) is 12-13 km from the river. On the Hungarian side, the route quickly approaches the Danube again and enters the protection area of Béda, then finishes in

the town of Mohács. The Béda-Karapanca Landscape Protection area is a fascinating experience of river floodplain with multiple side branches and oxbows, it is part of the Danube-Drava National Park. The National Park maintains an educational site together with an educational trail and they organise tours to the oxbows as well. Along the Danube the pleasant cycling is ensured on the asphalted embankment, this section is part of the Eurovelo 6 and 13 routes as well. The public roads that the trail is using on the Hungarian side are entirely asphalted, in mixed condition.

The town of Mohács is a small town, yet rich in spiritual and built heritage. It offers plenty of facilities for visitors, sacral heritage, gastronomy, sport opportunities (kayak, canoe, bike) and motorboat excursion to the border area.

4.11.4. Information about the route and its condition

	Start point	End point	Length	Type of road	Type of the surface	Road no.	Traffic (AADT)	Quality
MAIN ROUTE								
N11/1	Suza, village centre	Batina, roundabout before the border crossing 45.841264, 18.846702	8,8 km	public road	asphalt	D212	1930	***
N11/2	Batina, roundabout before the border crossing	Batina, road D212 – Planina Zapad crossing 45.839215, 18.838701	0,9 km	public road	asphalt	4018	920	***
N11/3	Batina, road D212 – Planina Zapad crossing	Draž, crossing of roads 4018 and 4259 45.836043, 18.791014	4,42 km	public road	asphalt	4018	920	***
N11/4	Draž, crossing of roads 4018 and 4259	4018, 4011 crossing 45.869258, 18.700734	8,94 km	public road	asphalt	4018	920	***
N11/5	4018, 4011 crossing	4011, D7 crossing 45.886265, 18.660380	4,39 km	public road	asphalt	4011	588	***
N11/6	4011, D7 crossing	Udvar border crossing	3,42 km	public road	asphalt	D7	1772	***

N11/7	Udvar border crossing	Sátorhely, 56-5702 crossing 45.945060, 18.664999	3,18 km	public road	asphalt	56	1772	***
N11/8	Sátorhely, 56-5702 crossing	Kölked, 56-5117 crossing 45.951721, 18.667111	0,76 km	segregated bicycle path	asphalt			***
N11/9	Kölked, 56-5117 crossing	Kölked centre, 5117-51171 crossing 45.947546, 18.702304	2,78 km	public road	asphalt	5117	746	**
N11/10	Kölked centre, 5117-51171 crossing	Erdőfű access road, crossing towards Béda oxbow 45.923323, 18.727965	4,51 km	public road	asphalt	51171	453	*
N11/11	Erdőfű access road, crossing towards Béda oxbow	Dyke crossing at Béda oxbow 45.928505, 18.757305	2,61 km	forest road, dyke	asphalt			***
N11/12	Dyke crossing at Béda oxbow	Kölked, access road to the dyke (EuroVelo sign) 45.948157, 18.717242 (?)	4,01 km	dyke	asphalt			***
N11/13	Kölked, access road to the dyke (EuroVelo sign)	Mohács, Szabadság tér, end of dyke 45.989071, 18.697403	6,31 km	dyke	asphalt			***
N11/14	Mohács, Szabadság tér, end of dyke	Mohács, Szent János u. (ferryport) 45.992770, 18.693759	0,61 km	public road, street in settlement	asphalt	51137	236	***
DETOURS								
N11/D1	Batina, road D212 – Planina Zapad crossing	Monument of the Bolman battle roads 4018 and 4259 crossing	1,78 km	street in settlement	asphalt			**

N11/D2	Dyke crossing at Béda oxbow	End of dyke at the Croatian border 45.879628, 18.808774	7,98 km	dyke	asphalt			***
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43. Table: Subsections of N11 stage



4.11.5. Implemented infrastructure

Two large info boards have been placed at the two stage points: Suza (Croatia), and Mohács (Hungary). The one in Mohács is technically the end point of the Amazon of Europe Bike Trail.







Altogether 84 signs have been placed along stage N11 Suza – Mohács, 61 on the Hungarian side including 6 signs helping the cyclist to reach Béda oxbow lakes at the Hungarian-Croatian border, which is a detour of this stage.



23. Figure: small sign near Mohács

Stage N11				
Nr.	Type	Latitude (in google map form)	Longitude (in google map form)	Name of the location
1.	Large info board, start point of stage N11	45.78166	18.77562	Suza
				
2.	Large info board, end point of stage N11 and the whole Amazon of Europe Bike Trail	45.992195	18.694243	Mohács, Hungary
				

44. Table: Installed infrastructure elements along stage N11

<i>image</i>	<i>direction</i>	<i>total</i>
	right	3
	left	3
	straight	5
Number of LARGE road signs:		11
	right	10
	left	14
	straight	25
Number of SMALL road signs:		49
TOTAL NUMBER OF ROAD SIGNS:		60

45. Table: Type and number of the used signs on the Hungarian part of stage N11

Stage N11 – road signs					
nr.	coordinates of the location		type of the sign (direction)	Content	
	x	y		Text and distance	logo(s)
Croatia					
1.	45.781822	18.775692	right	Udvar 28,4 km Osijek 52,2 km	AoE, D9, EV6
2.	45.809288	18.817245	no direction (Amazon of Europe)	-	AoE, D9, EV6
3.	45.809050	18.817082	straight/right	Udvar 23,8 km Batina 5,2 km Erdut 83,4 km Osijek 47,4 km	AoE, D9, EV6
4.	45.809037	18.817835	left/right	Suza 4,7 km Udvar 23,8 km Batina 5,2 km	AoE, D9, EV6
5.	45.809013	18.817717	no direction (Amazon of Europe)	-	AoE
6.	45.809639	18.817669	left/straight	Suza 4,7 km Erdut 83,4 km Osijek 47,4 km	AoE, D9, EV6
7.	45.841211	18.846322	no direction (Amazon of Europe)	-	AoE, D9, EV6
8.	45.841704	18.846215	no direction (Amazon of Europe)	-	AoE, D9, EV6
9.	45.841734	18.845217	no direction (Amazon of Europe)	-	AoE, D9, EV6
10.	45.841958	18.846429	right	Batina 1,5 km	AoE Discover Danube
11.	45.841748	18.846073	straight/left	Erdut 87,4 km Osijek 51,4 km Batina 1,5 km	AoE, D9, EV6, AoE Discover Danube
12.	45.831825	18.826173	right	Udvar 17,9 km	AoE, D9, EV6
13.	45.831136	18.824099	left	Osijek 54 km	AoE, D9, EV6
14.			right	Udvar 15 km	AoE, D9, EV6

15.			left	Osijek 57 km	AoE, D9, EV6
16.	45.860186	18.757236	no direction (Amazon of Europe)	-	AoE, D9, EV6
17.	45.860107	18.757036	no direction (Amazon of Europe)		AoE, D9, EV6
18.	45.869343	18.701677	right	Udvar 5,8 km	AoE, D9, EV6
19.	45.869787	18.700266	left	Osijek 66 km	AoE, D9, EV6
20.	45.886229	18.689075	left	Udvar 3,6 km	AoE, D9, EV6
21.	45.886901	18.687970	right	Osijek 68 km	AoE, D9, EV6
22.	45.886317	18.661160	right	Udvar 1,3 km	AoE, D9, EV6
23.	45.886707	18.660279	left	Osijek 70 km	AoE, D9, EV6
Hungary					
24.	45.897045	18.661156	large (straight)	Mohács 23 km Kölked 6 km	AoE, 2, EV6, Három folyó
25.	45.897108	18.661015	large (straight)	Eszék (HR) 46 km	AoE, EV6
26.	45.904605	18.659999	large (straight)	Mohács 22 km Kölked 5 km	AoE, 2, EV6, Három folyó
27.	45.932111	18.660788	small (straight)	-	AoE, 2, EV6, Három folyó
28.	45.932111	18.660788	small (straight)	-	AoE, 2, EV6, Három folyó
29.	45.944731	18.664505	small (straight)	-	AoE, 2, EV6, Három folyó
30.	45.945492	18.664755	small (straight)	-	AoE, 2, EV6, Három folyó
31.	45.944818	18.664318	large (right)	Villány 29 km Bóly 13 km	AoE, 4, EV13, Három folyó
32.	45.944818	18.664318	large (left)	Villány 29 km Bóly 13 km	AoE, 4, EV13, Három folyó
33.	45.951590	18.666916	small (right)	-	AoE, Három folyó
34.	45.951590	18.666916	small (right)	-	2,4,EV6,EV13
35.	45.951900	18.666888	small (left)	-	AoE, Három folyó
36.	45.951900	18.666888	small (left)	-	2,4,EV6,EV13
37.	45.951758	18.667427	small (left)	-	AoE, Három folyó

38.	45.951758	18.667427	small (left)	-	2,4,EV6,EV13
39.	45.948032	18.694388	small (straight)	-	2,4,EV6,EV13
40.	45.948032	18.694388	large (straight)	Eszék (HR) 52 km Udvar 5 km	AoE, Három folyó
41.	45.947516	18.702060	small (straight)	-	2,4,EV6,EV13
42.	45.947516	18.702060	small (right)	-	AoE, Három folyó
43.	45.947458	18.702380	small (left)	-	AoE, Három folyó
44.	45.947458	18.702380	small (left)	-	2,4,EV6,EV13
45.	45.947458	18.702380	small (right)	-	2,4,EV6,EV13
46.	45.929213	18.717818	small (straight)	-	AoE, Három folyó
47.	45.929213	18.717818	small (straight)	-	AoE, Három folyó
48.	45.923365	18.727872	small (left)	-	AoE, Három folyó
49.	45.923365	18.727872	small (right)	-	AoE, Három folyó
50.	45.928608	18.757252	large (left)	Hercegszántó 37 km Mohács 10 km	AoE, Három folyó
51.	45.928608	18.757252	large (right)	Udvar 15 km Kölked 6,5 km	AoE, Három folyó
52.	45.928608	18.757252	large (right)	Bédai holtág 8 km	AoE, Három folyó
53.	45.941827	18.725268	small (straight)	-	AoE, Három folyó
54.	45.941827	18.725268	small (straight)	-	AoE, Három folyó
55.	45.948088	18.717054	small (left)	-	AoE, Három folyó
56.	45.948088	18.717054	small (right)	-	AoE, Három folyó
57.	45.948088	18.717054	small (left)	-	2,4,EV6,EV13
58.	45.948088	18.717054	small (right)	-	2,4,EV6,EV13
59.	45.954836	18.725556	small (straight)	-	AoE, Három folyó

60.	45.954836	18.725556	small (straight)	-	AoE, Három folyó
61.	45.954836	18.725556	small (straight)	-	2,4,EV6,EV13
62.	45.954836	18.725556	small (left)	-	2,4,EV6,EV13
63.	45.954836	18.725556	small (right)	-	2,4,EV6,EV13
64.	45.971091	18.718320	small (straight)	-	AoE, Három folyó
65.	45.971091	18.718320	small (straight)	-	AoE, Három folyó
66.	45.988920	18.697424	large (straight)	Udvar 25 km Kölked 17 km	AoE, Három folyó
67.	45.988920	18.697424	small (straight)	-	2,4,EV6,EV13
68.	45.988920	18.697424	small (left)	-	2,4,EV6,EV13
69.	45.988920	18.697424	small (left)	-	AoE, Három folyó
70.	45.989146	18.696825	small (left)	-	2,4,EV6,EV13
71.	45.989146	18.696825	small (left)	-	AoE, Három folyó
72.	45.989400	18.696751	small (straight)	-	2,4,EV6,EV13
73.	45.989400	18.696751	small (straight)	-	AoE, Három folyó
74.	45.992840	18.693649	small (straight)	-	2,4,EV6,EV13
75.	45.992840	18.693649	small (straight)	-	AoE, Három folyó
76.	45.992831	18.693783	small (right)	-	2,4,EV6,EV13
77.	45.992831	18.693783	small (right)	-	AoE, Három folyó
78.	45.993034	18.693540	large (left)	Udvar 26 km Kölked 18 km	AoE, Három folyó
79.	45.993034	18.693540	small (left)	-	2,4,EV6,EV13
detours					
80.	45.924185	18.776112	small (straight)	-	AoE, Három folyó
81.	45.924185	18.776112	small (straight)	-	AoE, Három folyó

82.	45.905250	18.805305	small (straight)	-	AoE, Három folyó
83.	45.905250	18.805305	small (straight)	-	AoE, Három folyó
84.	45.879766	18.808791	small (straight)	-	AoE, Három folyó

46. Table: Locations and other features of the used signs along stage N11

ANNEXES

1. annex: Location of every large info board along the Amazon of Europe Bike Trail

Large info boards				
nr.	Latitude (in google map form)	Longitude (in google map form)	Settlement	Country
1.	46.704679	15.770654	Mureck	Austria
2.	46.678866	16.040981	Sodišinci	Slovenia
3.	46.638579	16.165581	Murska Sobota	Slovenia
4.	46.580384	16.208398	Ižakovci	Slovenia
5.	46.559255	16.249593	Gornja Bistrica	Slovenia
6.	46.573569	16.344325	Velika Polana	Slovenia
7.	46.555903	16.461126	Lendava	Slovenia
8.	46.434723	16.724399	Letenye	Hungary
9.	46.241567	16.978926	Gyékényes	Hungary
10.	46.227904	17.363107	Nagyatád	Hungary
11.	45.946315	17.465375	Barcs	Hungary
12.	45.800632	18.098088	Szaporca	Hungary
13.	45.866747	18.451242	Villány	Hungary
14.	45.55919	18.69895	Osijek	Croatia
15.	45.78166	18.77562	Suza	Croatia
16.	45.992195	18.694243	Mohács	Hungary
17.	46.708276	15.799062	Vratja vas	Slovenia
18.	46.684099	15.963576	Podgrad	Slovenia
19.	46.640931	16.044233	Radenci	Slovenia
20.	46.595475	16.103442	Vučja vas	Slovenia
21.	46.580366	16.164572	Veržej	Slovenia
22.	46.51632	16.43476	Mursko Središće	Croatia
23.	46.32251	16.78105	Donji Vidovec	Croatia
24.	46.32367	16.60507	Prelog	Croatia
25.	46.162455	16.841791	Koprivnica	Croatia
26.	46.039070	17.066494	Đurđevac	Croatia
27.	45.9710249	17.2228496	Pitomača	Croatia
28.	45.8888289	17.4208190	Kapela Dvor	Croatia
29.	45.7788377	17.8312060	Noskovci	Croatia
30.	45.68788	18.40128	Belišće	Croatia
31.	45.52457	19.06248	Erdut	Croatia
32.	45.536319	19.082101		Serbia
33.	45.669533	18.969912	Apatin	Serbia
34.	45.673230	18.975355	Apatin	Serbia
35.	45.72289	18.94249	Kupusina	Serbia

36.	45.730587	18.978001	Kupusina	Serbia
37.	45.769303	19.119868	Sombor	Serbia

2. annex: Location of every small info boards along the Amazon of Europe Bike Trail

Small info boards				
nr.	Latitude (in google map form)	Longitude (in google map form)	Settlement	Country
1.	46.723358	15.892370	Donnersdorf	Austria
2.	46.46581	16.61411	Dekanovec	Croatia
3.	46.36649	16.79607	Kotoriba	Croatia
4.	46.295154	16.866960	Legrad	Croatia
5.	46.249563	16.862184	Đelekovec	Croatia
6.	46.150990	16.968948	Hlebine	Croatia
7.	46.106126	17.031770	Molve	Croatia
8.	46.145728	17.083593	Repaš	Croatia
9.	46.099503	17.126483	Novo Virje	Croatia
10.	46.074273	17.204909	Ferdinandovac	Croatia
11.	46.022968	17.253178	Brodić	Croatia
12.	45.9329801	17.3679360	Okrugljača	Croatia
13.	45.8882906	17.3764755	Bušetina, Turanovac	Croatia
14.	45.8247314	17.7361441	Sopje	Croatia
15.	45.8989308	17.6006781	Liman	Croatia
16.	45.7996105	17.8055558	Noskovci	Croatia
17.	45.7828090	17.9097659	Ilmin Dvor	Croatia
18.	45.75781	18.14798	Donji Miholjac	Croatia
19.	45.52444	18.84154	Sarvaš	Croatia
20.	45.53060	18.94566	Aljmaš	Croatia
21.	45.54393	18.91963	Aljmaš	Croatia
22.	45.771805	19.111863	Sombor	Serbia
23.	45.894061	18.869589	Bezdan	Serbia

3. annex: Location of every resting places along the Amazon of Europe Bike Trail

Resting places				
nr.	Latitude (in google map form)	Longitude (in google map form)	Settlement	Country
1.	46.390531	16.755113	Letenye	Hungary
2.	46.297472	16.894814	Órtilos	Hungary
3.	46.32527	16.87102	Veliki Pažut	Croatia
4.	46.36003	16.32674	Gornji Hrašćan	Croatia
5.	46.244263	16.927163	Šoderica	Croatia
6.	46.133557	17.056089	Čingi Lingi	Croatia
7.	45.9355389	17.4620923	Terezino Polje	Croatia
8.	45.76450	18.16518	Donji Miholjac	Croatia
9.	45.57400	18.64346	Osijek	Croatia
10.	45.559476	19.012958	Sonta	Serbia
11.	45.678088	18.967586	Apatin	Serbia
12.	45.740865	19.117238	Sombor	Serbia
13.	45.784394	19.083182	Sombor	Serbia
14.	45.771805	19.111863	Sombor	Serbia
15.	45.79252	18.9331	Bački Monoštor	Serbia
16.	45.852103	18.920472	Bezdan	Serbia
17.	45.849896	18.860614	Bezdan	Serbia

4. annex: Location of other type of elements along the Amazon of Europe Bike Trail

Other infra elements					
nr.	Type	Latitude (in google map form)	Longitude (in google map form)	Settlement	Country
1.	bicycle repair stand	46.434723	16.724399	Letenye	Hungary
2.	bicycle repair stand	46.390531	16.755113	Letenye	Hungary
3.	bicycle repair stand	46.297472	16.894814	Órtilos	Hungary
4.	bicycle repair stand	45.70393	18.43163	Belišće	Croatia
5.	bicycle repair stand	45.67533	18.81330	Kozjak	Croatia
6.	bicycle repair stand	46.46581	16.61411	Dekanovec	Croatia

7.	bicycle repair stand	46.32251	16.78105	Donji Vidovec	Croatia
8.	bicycle repair stand	46.32367	16.60507	Prelog	Croatia
9.	bicycle repair stand	46.244263	16.927163	Šoderica	Croatia
10.	bicycle repair stand	46.133557	17.056089	Čingi Lingi	Croatia
11.	bicycle repair stand	45.9721589	17.3574782	Križnica	Croatia
12.	bicycle repair stand	45.9355389	17.4620923	Terezino Polje	Croatia
13.	bicycle repair stand	45.8469552	17.6261359	Budakovac	Croatia
14.	bicycle repair stand	45.8302318	17.7102031	Kapinci	Croatia
15.	bicycle repair stand	45.7799570	17.8305266	Noskovci	Croatia
16.	bicycle repair stand	45.76450	18.16518	Donji Miholjac	Croatia
17.	bicycle repair stand	45.57400	18.64346	Osijek	Croatia
18.	bike racks	46.390531	16.755113	Letenye	Hungary
19.	bike racks	46.297472	16.894814	Órtilos	Hungary
20.	bike racks	46.46581	16.61411	Dekanovec	Croatia
21.	bike racks	46.51632	16.43476	Mursko Središće	Croatia
22.	bike racks	46.36649	16.79607	Kotoriba	Croatia
23.	bike racks	46.32251	16.78105	Donji Vidovec	Croatia
24.	bike racks	46.36003	16.32674	Gornji Hrašćan	Croatia
25.	bike racks	46.32367	16.60507	Prelog	Croatia
26.	bike racks	46.244263	16.927163	Šoderica	Croatia
27.	bike racks	46.133557	17.056089	Čingi Lingi	Croatia
28.	bike racks	45.9591732	17.3100560	Križnica	Croatia
29.	bike racks	45.8889814	17.4187593	Kapela Dvor	Croatia
30.	bike racks	45.9355389	17.4620923	Terezino Polje	Croatia
31.	bike racks	45.8469552	17.6261359	Budakovac	Croatia
32.	bike racks	45.7799570	17.8305266	Noskovci	Croatia
33.	bike racks	45.536319	19.082101	Special Reserve	Serbia
34.	bike racks	45.559476	19.012958	Sonta	Serbia
35.	bike racks	45.72289	18.94249	Kupusina	Serbia
36.	bike racks	45.730587	18.978001	Kupusina	Serbia
37.	bike racks	45.740865	19.117238	Sombor	Serbia
38.	bike racks	45.784394	19.083182	Sombor	Serbia
39.	bike racks	45.771805	19.111863	Sombor	Serbia

40.	bike racks	45.769303	19.119868	Sombor	Serbia
41.	bike racks	45.79252	18.9331	Bački Monoštor	Serbia
42.	bike racks	45.852103	18.920472	Bezdan	Serbia
43.	bike racks	45.849896	18.860614	Bezdan	Serbia
44.	E-bike charger	46.620553	16.532699	Lenti	Hungary
45.	solar bench	45.8889814	17.4187593	Kapela Dvor	Croatia
46.	solar bench	45.8469552	17.6261359	Budakovac	Croatia
47.	solar bench	45.7799570	17.8305266	Noskovci	Croatia
48.	solar bench	45.9355389	17.4620923	Terezino Polje	Croatia
49.	solar lamp	46.297472	16.894814	Őrtilos	Hungary
50.	solar lamp	46.390531	16.755113	Letenye	Hungary