





The transport challenges one of the most beautiful micro region of Hungary

Real Corp 2022

Mobility, Knowledge and Innovation Hubs in Urban and Regional Development

14-16 November 2022

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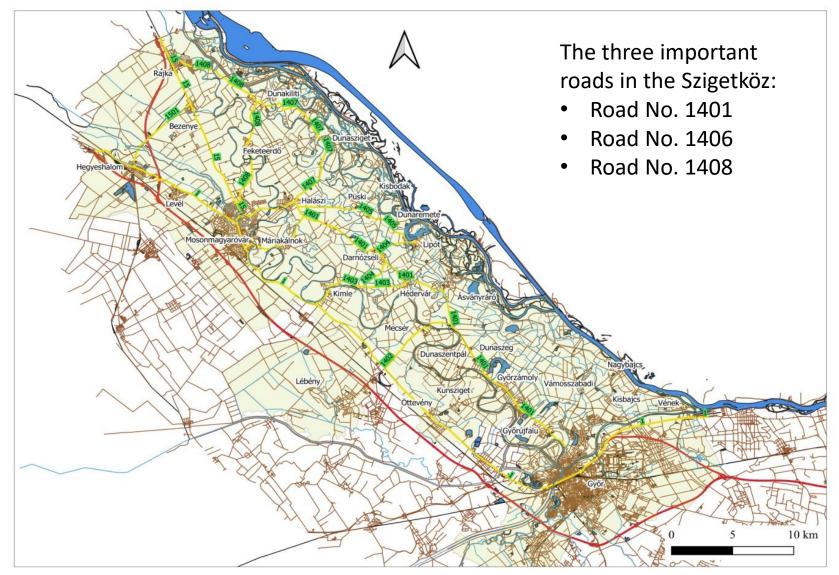
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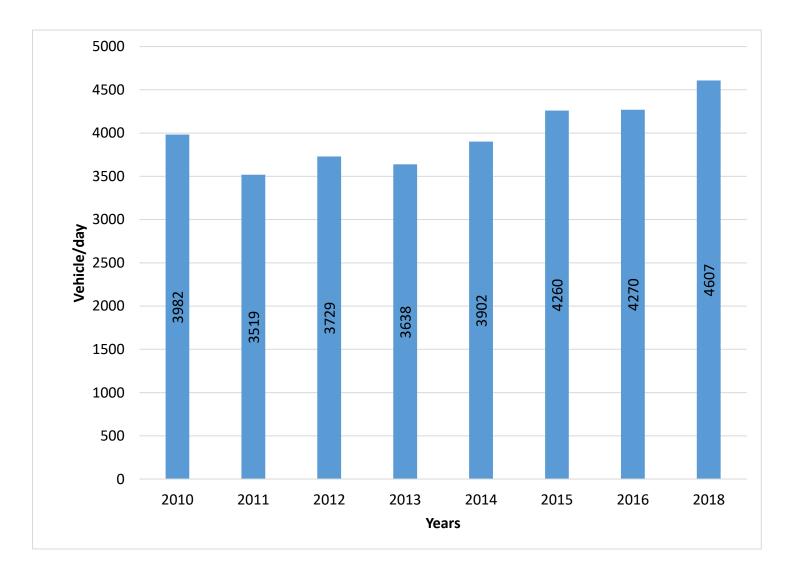
Introduction

- Szigetköz is one of the most beautiful areas in Western Transdanubia, Hungary
- In recent years more and more people have moved out of the region, mainly from the City of Győr
- The traffic has increased significantly in the Szigetköz
- All this is the result of Győr's growing industry and economy
- Serious congestions, especially in the morning and afternoon rush hours
- These congestions not only affect the city of Győr, but can already be felt in several settlements of the Szigetköz
- I present how the traffic has changed in recent years (2010-2018)
- What transport-related development is planned in each settlement

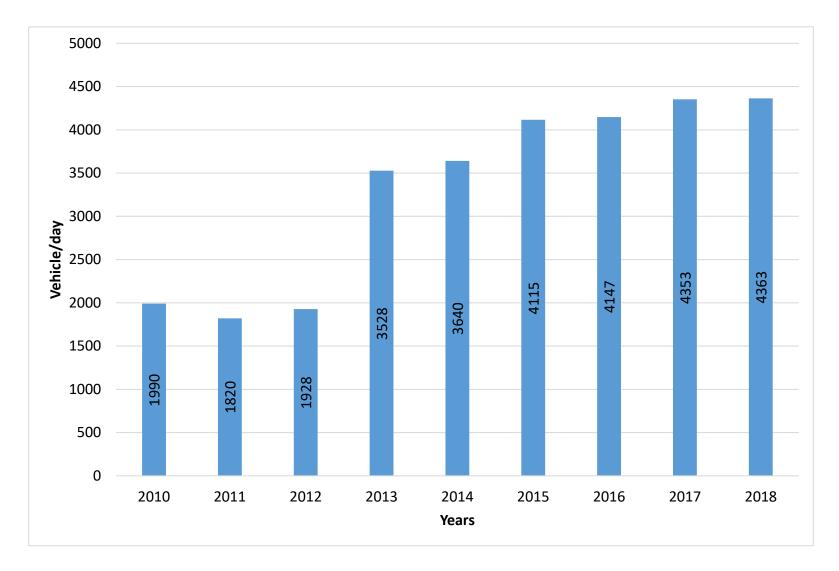
The road network of the Szigetköz



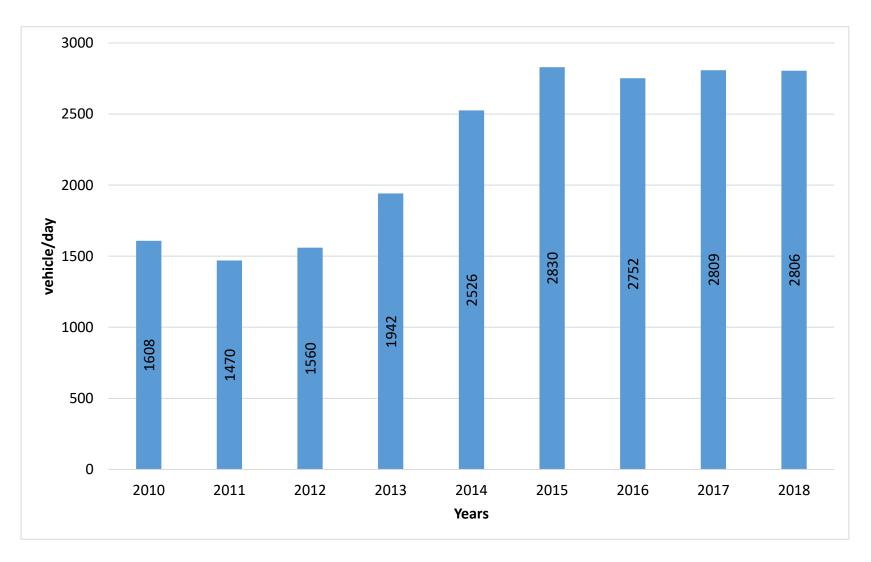
Traffic increase on the 1401 road



Traffic increase on the 1406 road



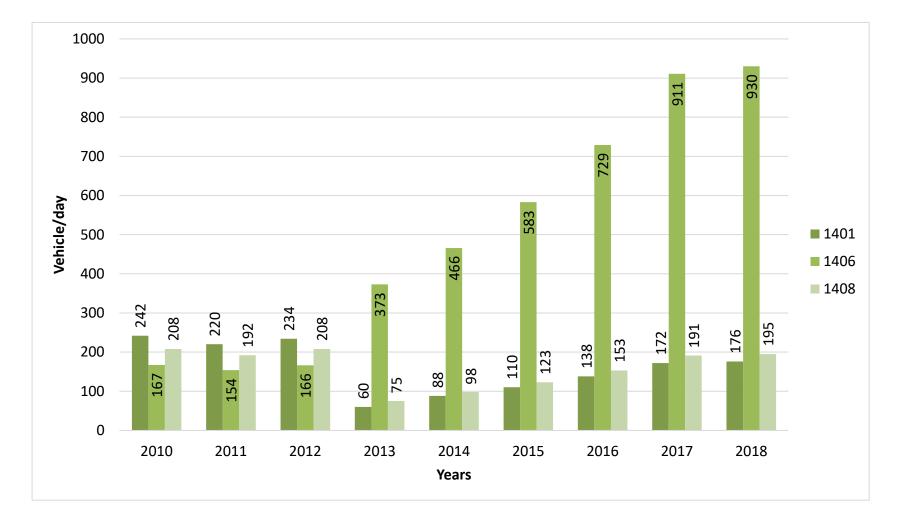
Traffic increase on the 1408 road



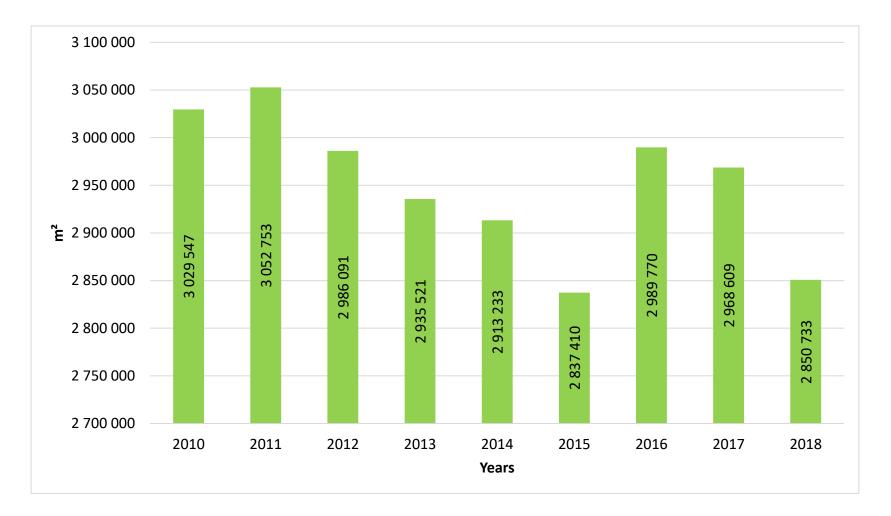
The rate of change in bus traffic between 2010 and 2018 (%)

Bus traffic			
	Road number		
Year	1401 (vehicle/day)	1406 (vehicle/day)	1408 (vehicle/day)
2010	41	7	33
2011	34	6	28
2012	35	6	28
2013	51	20	23
2014	60	25	46
2015	61	25	47
2016	52	20	38
2017	63	25	47
2018	65	25	47
Change 2010-2018 (%)	58,54	257,14	42,42

The change of rate in bicycle traffic between 2010 and 2018 (%)



The changing of the green areas in the settlements of the Szigetköz



The transport development plans of the settlements in the Szigetköz I.

- 32 master plan of the Szigetköz settlements were reviewed
- Primarly, the structural plan, the transport supporting document and the technical description of the master plan
- only in 15 cases were not reviewed the transport supporting document => It wasn't available either on the website, or at the office that prepared the master plan
- Missing data => Magyar Közút (Hungarian Public Roads the road maintenance company)

The transport development plans of the settlements in the Szigetköz II.

- From the study of the received data, the master plans, and the detailed study of the technical descriptions, the following three planned developments affecting the most settlements:
 - Construction of the 1401 bypass road
 - Construction of a bicycle road along the embankment of the Danube
 - Construction of connecting road/roads with the neighboring settlement/settlements

Beside of the above mentioned developments the M14 motorway must be highlighted which doesn't directly affect the area of Szigetköz, but after its construction will have a significant impact on its future traffic.

Conclusion

- The traffic of each highlighted roads (1401, 1406, 1408) of the Szigetköz has significantly increased between 2010 and 2018
- The highest increase in bus traffic was experienced on route 1406
- Between 2010 and 2012 the bicycle traffic showed a rather varied picture, and then started to increase significantly from 2013
- The most want development in the Szigetköz is the construction of the 1401 bypass road
- The bicycle transport is also a high priority in the plans, but primarily from a tourism point of view
- The third most wanted development is the construction of settlements connecting roads

Recommendation

- It would be recommended to construct settlement connecting roads
 - As a single-lane road
- Only public transport or alternative means of transport (electric vehicles, cycling, etc.) would be allowed on them
 - From early spring until late autumn
- The passenger cars could only use to a limited extent these roads
 - During the autumn and winter periods
 - In case of extreme weather (e.g. fog, intense rain, snow, etc.)
- Vegetation must be planted along these roads, and protecting the existing ones – traffic safety!







Thank you for your attention!

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