



Tallinn, Estonia, 26.04.2012

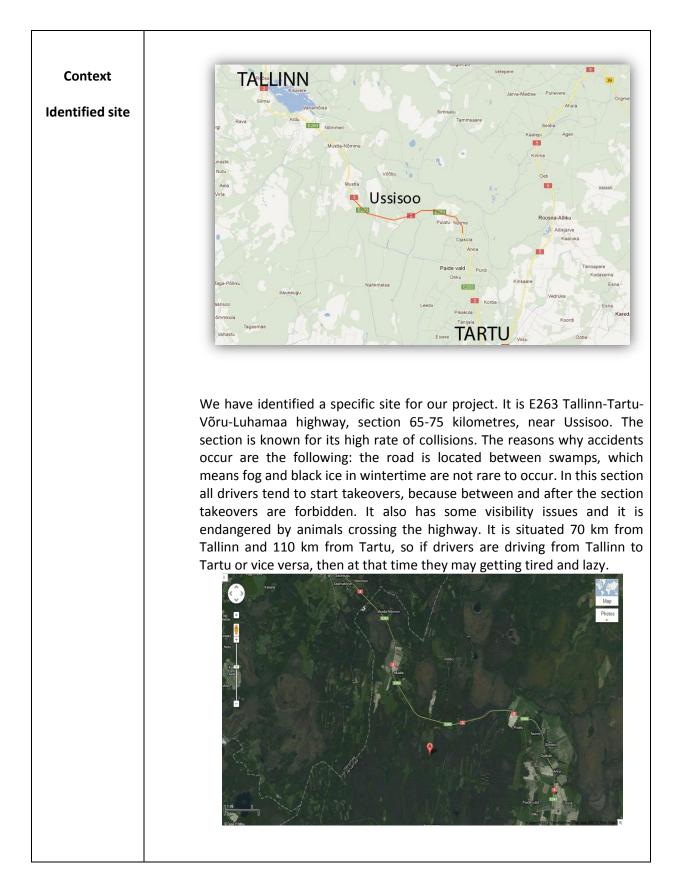
## **STARS Project description**

Names : Edgar Berman, Rivo Bonder City/University : Tallinn University of Technology Project name (if any) : Decreasing average speeds on Estonian Highway E263 near Ussisoo









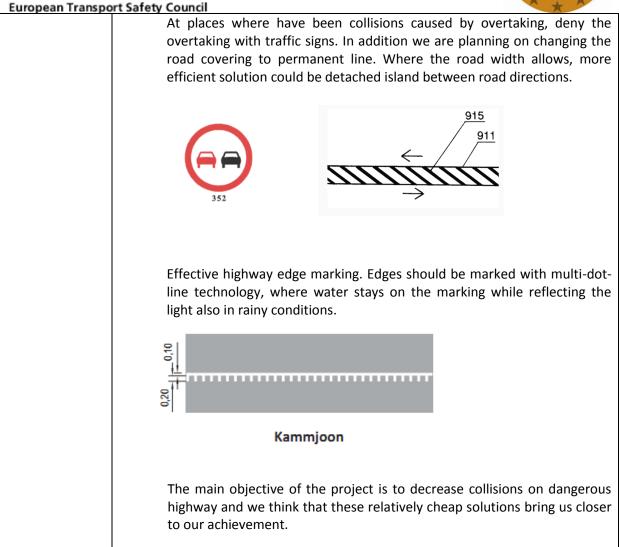




European Transpo	ort Safety Council
	We have access to all statistics regarding the accidents and collisions, including statistics for injured people and fatalities. We did not have the time to look into it yet, but we have talked to Estonian Police and they gave us the website of their statistics.
	<ul> <li>Road safety experts agree, that this section of the road is indeed dangerous, but not the most dangerous section on E263. Regardless of that, we would like to stop people from referring to the section as the Bermuda Triangle on the highway. Our professors from university are positively tuned for carrying out a project on that site.</li> </ul>
ldeas Objectives	<ul> <li>On the website <u>http://www.mnt.ee/public/kiirused3.pdf</u> can be seen, that speed limit for cars and motorcycles in summer period is 100km/h. The rule does not expand to buses and lorries. People travelling with maximum allowed speed have to overtake in order to keep steady speed. We think that on the road, where is plenty of traffic and overtaking places are limited the speed limit 100km/h in summer peeds to be capselled.</li> </ul>
	are limited, the speed limit 100km/h in summer needs to be cancelled. Saving in time while travelling 10km/h faster for 10 km(the length of our section) is only 39 seconds. This fact makes raising the speed limit even more fractional:
	$90\frac{km}{h} = \frac{90\ km}{60\ min} = 1,50\frac{km}{min};  10\ km : 1,50\frac{km}{h} = 6\ min\ 40\ s$
	$100\frac{km}{h} = \frac{100 \ km}{60 \ min} = 1,66\frac{km}{min}; \qquad 10 \ km : 1,66\frac{km}{h} = 6 \ min \ 1 \ s$
	We have been thinking to set up additional traffic signs on kilometres 65 to 75. Idea is to inform drivers of the danger in Ussisoo highway.
	Add reflective traffic signs as shown on the picture:
	Curves, where have been lots of collisions should be marked with additional traffic signs: $ \underbrace{\bigwedge_{141}}_{141} \underbrace{\bigwedge_{142}}_{142} \underbrace{\bigvee_{681}}_{681} \underbrace{\bigvee_{682}}_{682} $













professors from university. He gave us many ideas regarding our ideas, which





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	some of them we are now trying to implement (see "Ideas Objectives"). The
	reason is that if someone from Estonian Road Administration already suggests
	these ideas, it may be a chance to get it implemented.
	<ul> <li>We are now waiting for final approval from Estonian Road Administration, whether to change some points in project or get it approved. As we get it approved, we will start looking for exact positions on that section where to apply our ideas. We will also start looking for partners and sponsors, although if we are very lucky, Estonian Road Administration will cover these costs.</li> <li>If we still face Estonian Road Administration refusal, we would need ETSC to write us a confirmation letter that you support our ideas. But it still depends on whether they will not be satisfied at all regarding this project, because if they want us to change some points in it, we could do it on our own.</li> </ul>
Communications	<ul> <li>We will contact and inform press about our project as soon as we get it approved from Estonian Road Administration. We would like to have some support from people. Regardless of that, we have not talked to press at the moment.</li> </ul>
Evaluation	<ul> <li>We have planned to start pre evaluation on the section from next week(30.04.2012). The reason is that in Estonia weather has started getting warmer and with that, people tend to forget their lower speeds which they had in wintertime. So in that way we will have better results to compare after project implementation.</li> <li>We will compare the results before and after implementing the project and see if the average speeds of drivers have been dropped. We will conclude our project with graphs and final report.</li> </ul>
Observations	<ul> <li>Our main difficulty is lack of time. It is hard to divide time between implementation of STARS project, working full-time and spending a lot of time studying in the university. We will try our best to complete the project in time.</li> <li>Another difficulty is having a lot of closed doors on our ideas. Although we hope that with our last idea (see "Ideas Objectives") we are able to succeed and start moving towards actual implementation.</li> <li>We hope to get answers from Estonian Road Administration by the start of June, so the actual works on Ussisoo section will hopefully begin somewhere in mid-July. Final evaluation will be made in August or September.</li> </ul>