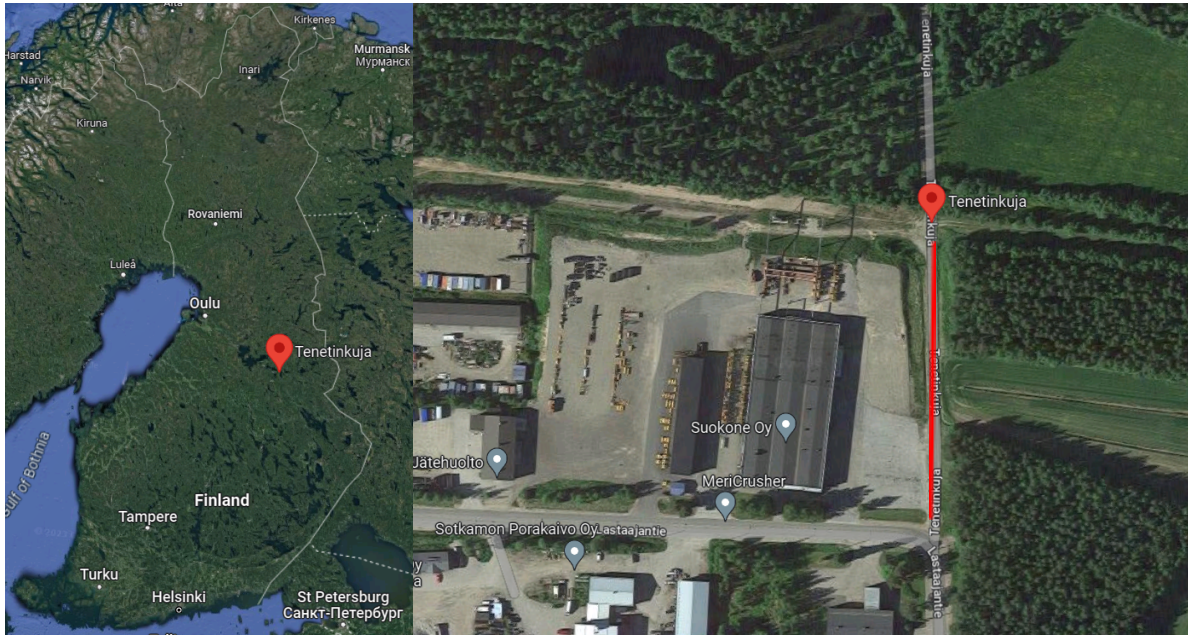


## Suokone Oy & Vumos Oy - Road Stabilization with improved MeriRoad

Date: 21.08.2023, Area: 100 m x 4 m  
Location: Tenetinkuja, Vuokatti, Finland



### Project information:

**Right lane:** Treated with Road//Stabilizr

**Left lane:** Treated with both products - Dust/Blokr Sugar Blend and Road//Stabilizr

**Amount of product used:** 1 L/m<sup>2</sup> of Dust Blokr Sugar Blend and 5 ml/m<sup>2</sup> of Road Stabilizr; 1 L/m<sup>2</sup> of water

No Topical sealing or slurry coat was applied for this project. 1 Litre of Road Stabilizr will treat 33m<sup>3</sup> resp. For depth of 20cm treatment you need 6 ml of RS per m<sup>2</sup>.

### Construction of the road in 7 Steps

**Step 1:** Make sure the water flow per metre squared is adequate. Before using any product liquids or any other machinery on the project area.



**Step 2 & 3:** Remove the vegetation on the side with MeriGrader and at the same time profile the road with the grader blade.



**Step 4:** Crush the road into desired depth, in this project, we choose to go to 15 cm.

Road//Stabilizr and Dust/Blokr Sugar Blend were easily diluted in water ( 200 L tank) and sprayed with pressurised 70 bar in one pass simultaneously while soil was mixed in the MeriRoad chamber.



**Step 5:** Deep compaction with the MeriRoad **Step 6:** Last profiling of the road to establish angles



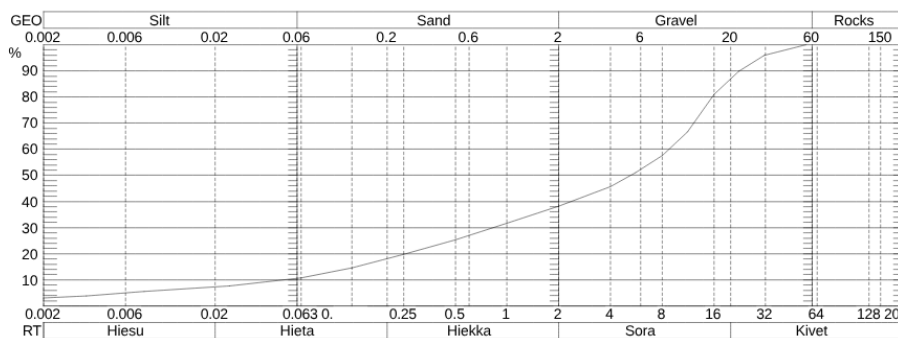
**Step 7:** Finishing compaction



Video on YouTube by scanning QR code:



*Soil Analysis of the soil from a Tenetinkuja:*



TY 332-2023 Tenetinkuja, Vuokatti			
TT NO - 2023			
XY 12092023 Tenetinkuja			
x	Tienäyte	x	hkSrMr
RK	55	100	
RK	31.5	96	
RK	22.4	90	
RK	16	81	
RK	11.2	67	
RK	8	58	
RK	5.6	51	
RK	4	46	
RK	2	38	
RK	1	32	
RK	0.5	25	
RK	0.25	20	
RK	0.125	15	
RK	0.063	10.7	
RK	0.0242	7.7	
RK	0.0077	5.6	
RK	0.0035	3.9	
RK	0.0020	3.1	
HM s2			
			-1

**Conclusion:**

The soil has 3,1% clay and 7,6% silt, which normally is not sufficient for road treatment with Road Stabilizr. We believe due to the perfect mix of the aggregates and the MeriRoad with the introduction of water and RS targeting OMC will further enhance the strong compaction of this soil.