

The logo graphic consists of a stylized, three-dimensional diamond shape. The top half of the diamond is a light gray, curved shape that resembles a road surface or a stylized 'S'. The bottom half is a darker gray, also curved, creating a sense of depth and perspective. The word 'ROADSCANNERS' is written in a bold, white, sans-serif font across the center of the diamond.

ROADSCANNERS

Advanced Tools for Infrastructure Design & Management

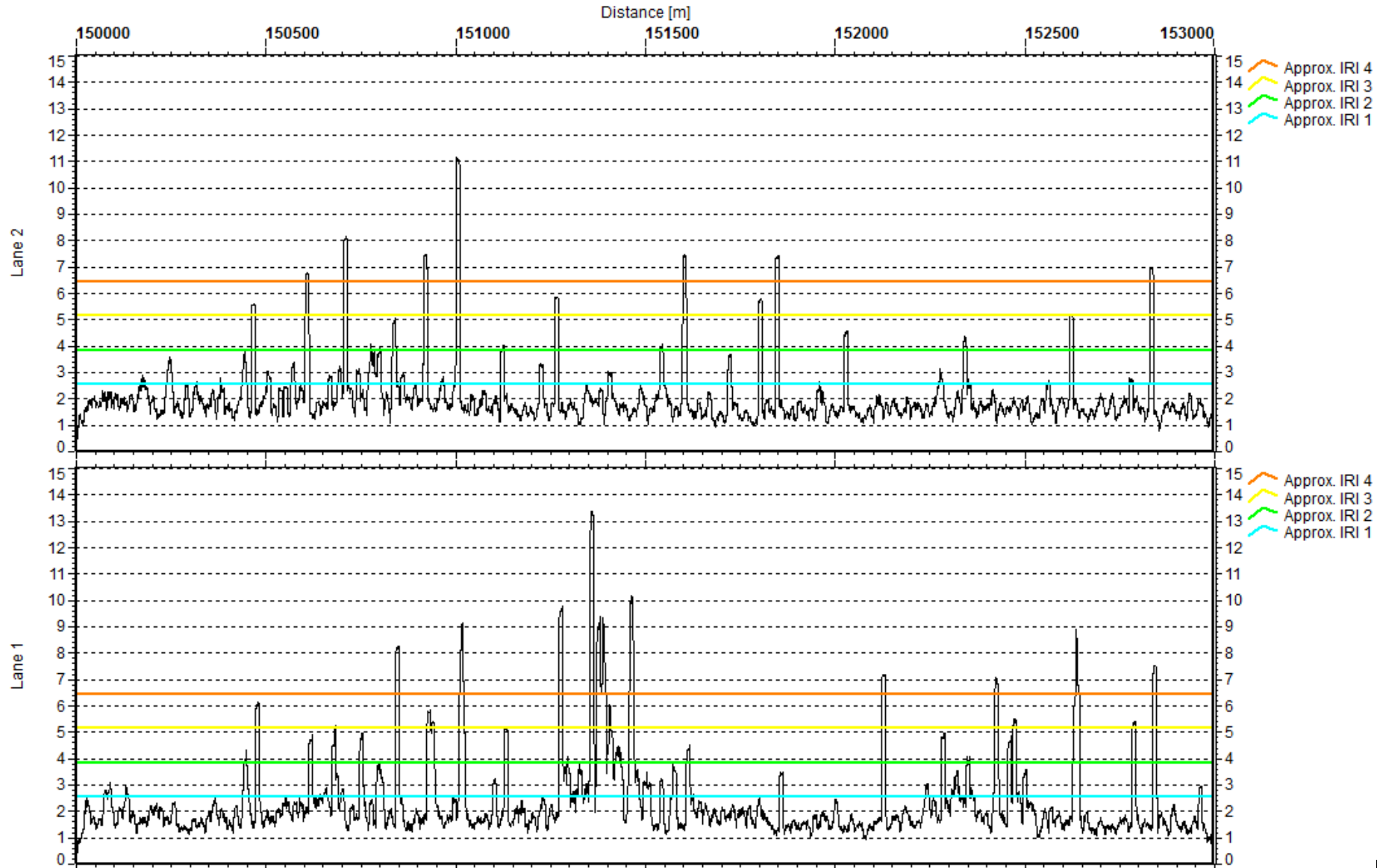
Section 6

Road 2, km 150-153



Roughness from Accelerometer Data

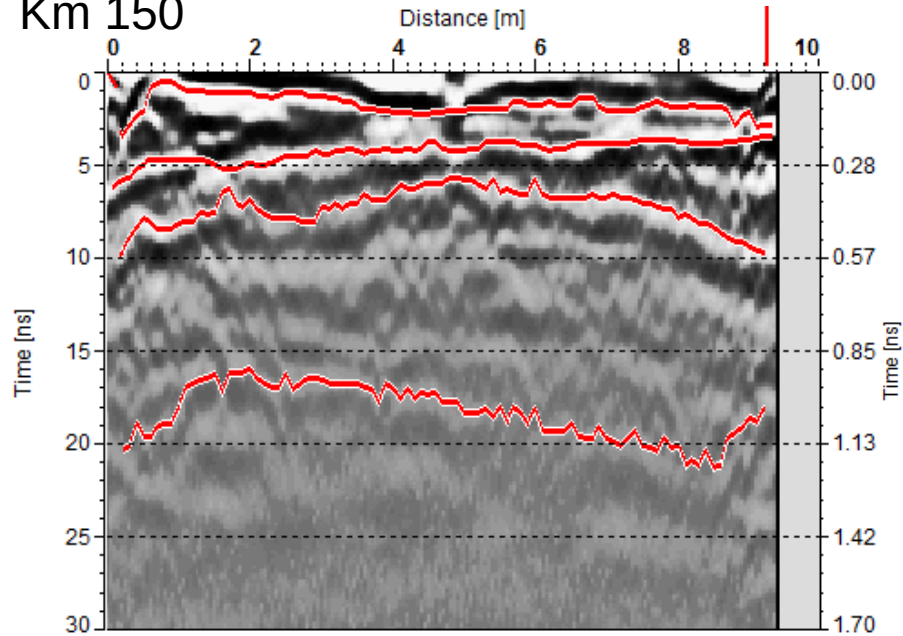
6_Road2_km150_153



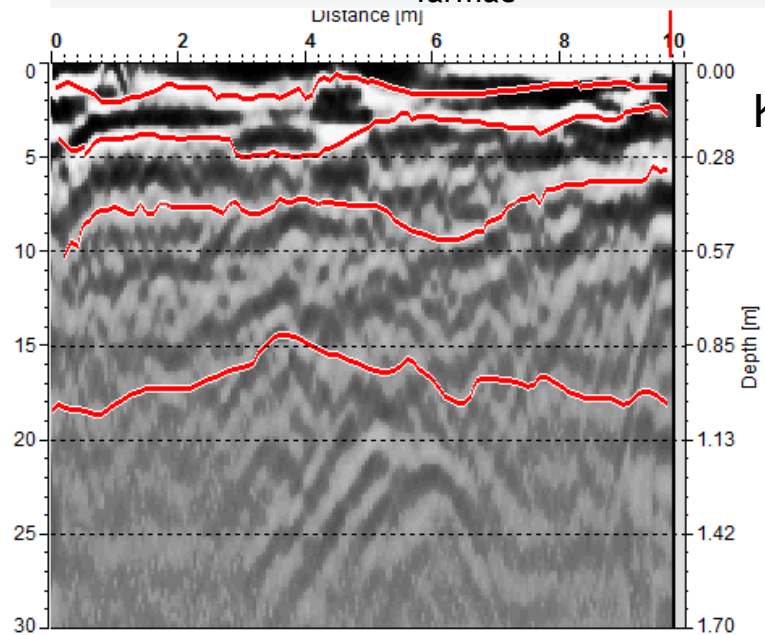
GPR Cross Sections

Materials	[cm]
Stone mastic asphalt KMA 12 (Top layer of pavement)	3.5
Porous asphalt concrete PAB 16 (Base layer of pavement)	5
Tarmac	25

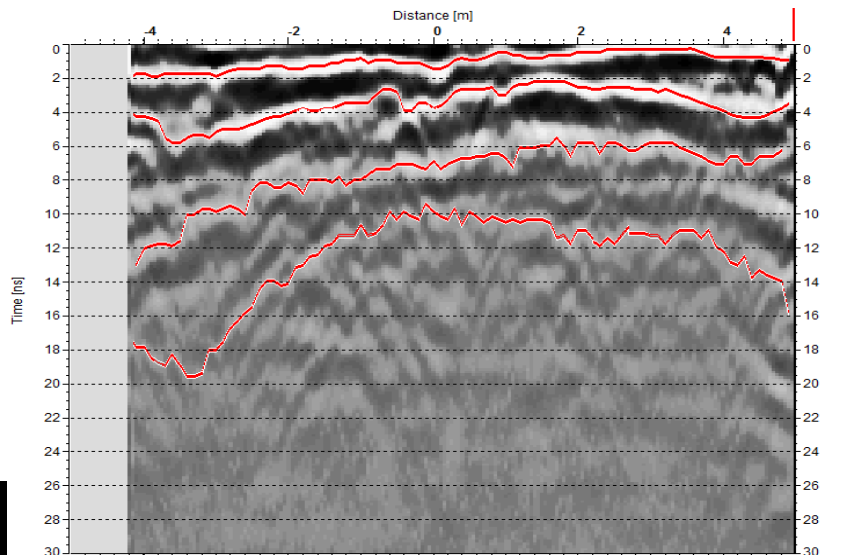
Km 150



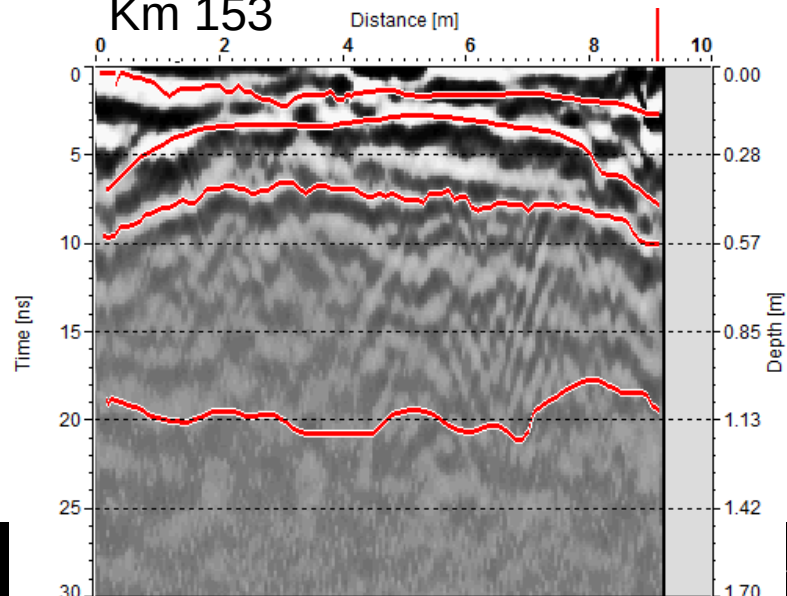
Km 151



Km 152



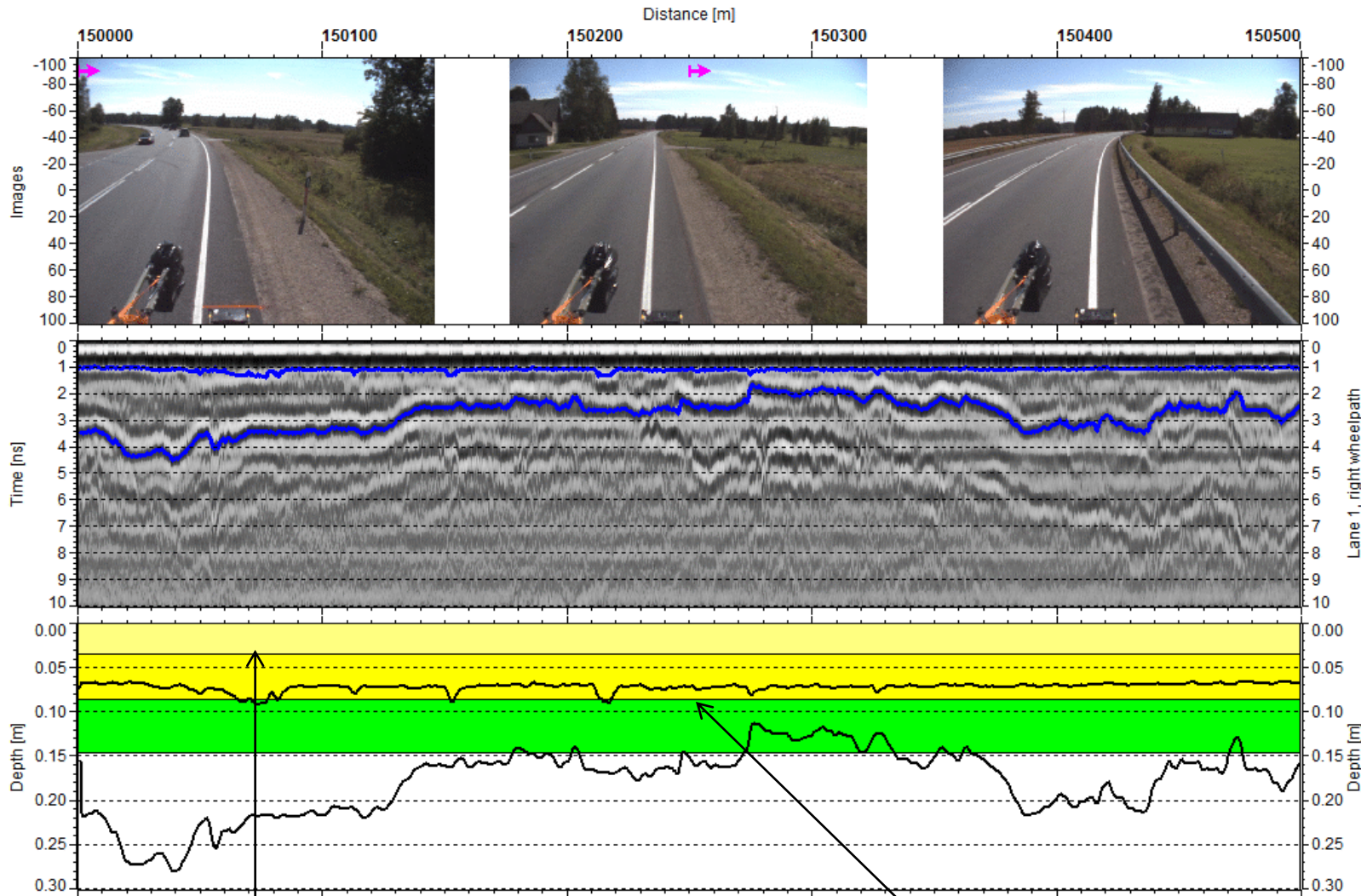
Km 153



Explanation for longitudinal profiles

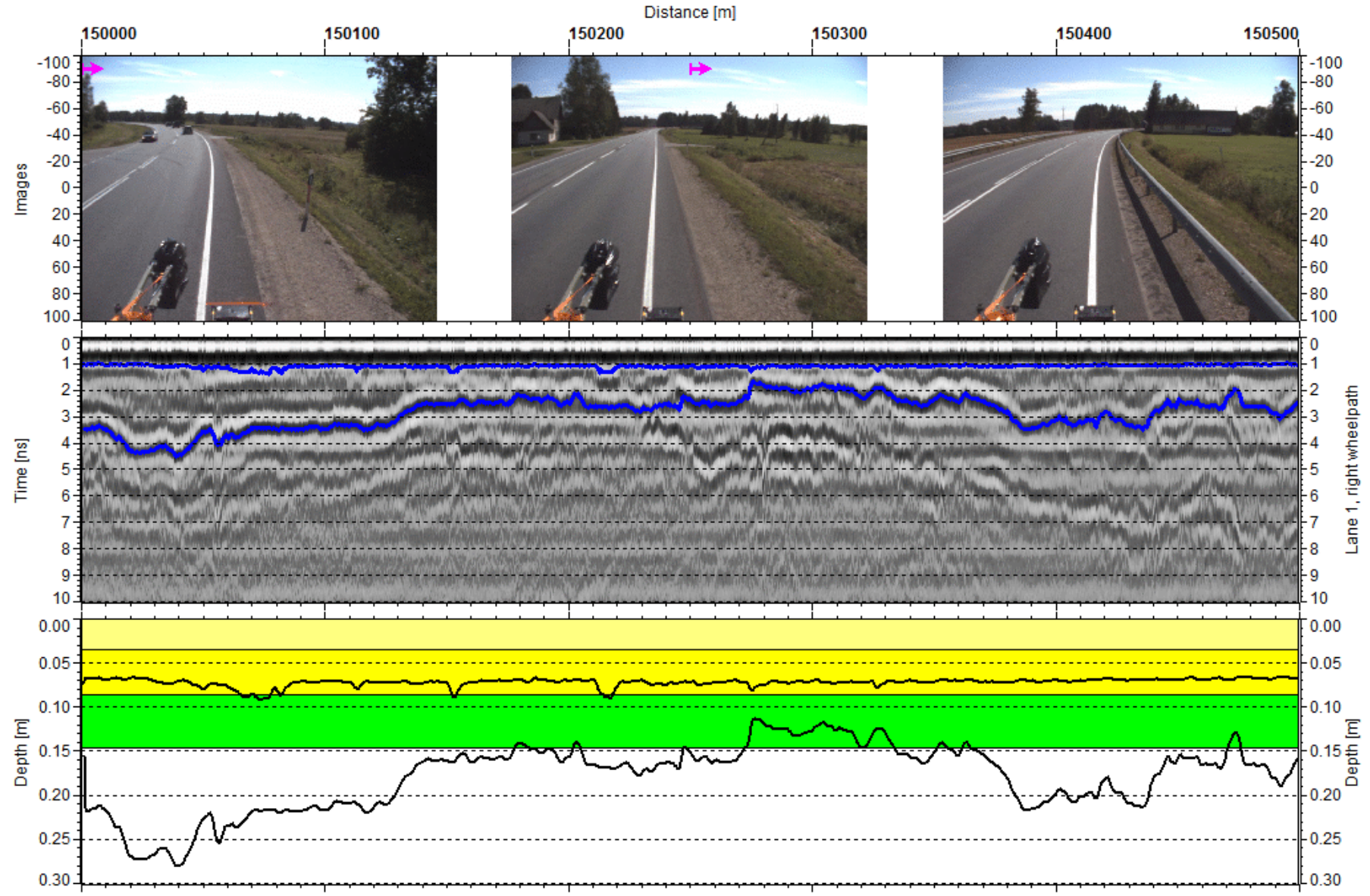
-Profiles are presented from Lane 1, right wheelpath

6_Road2_km150_153

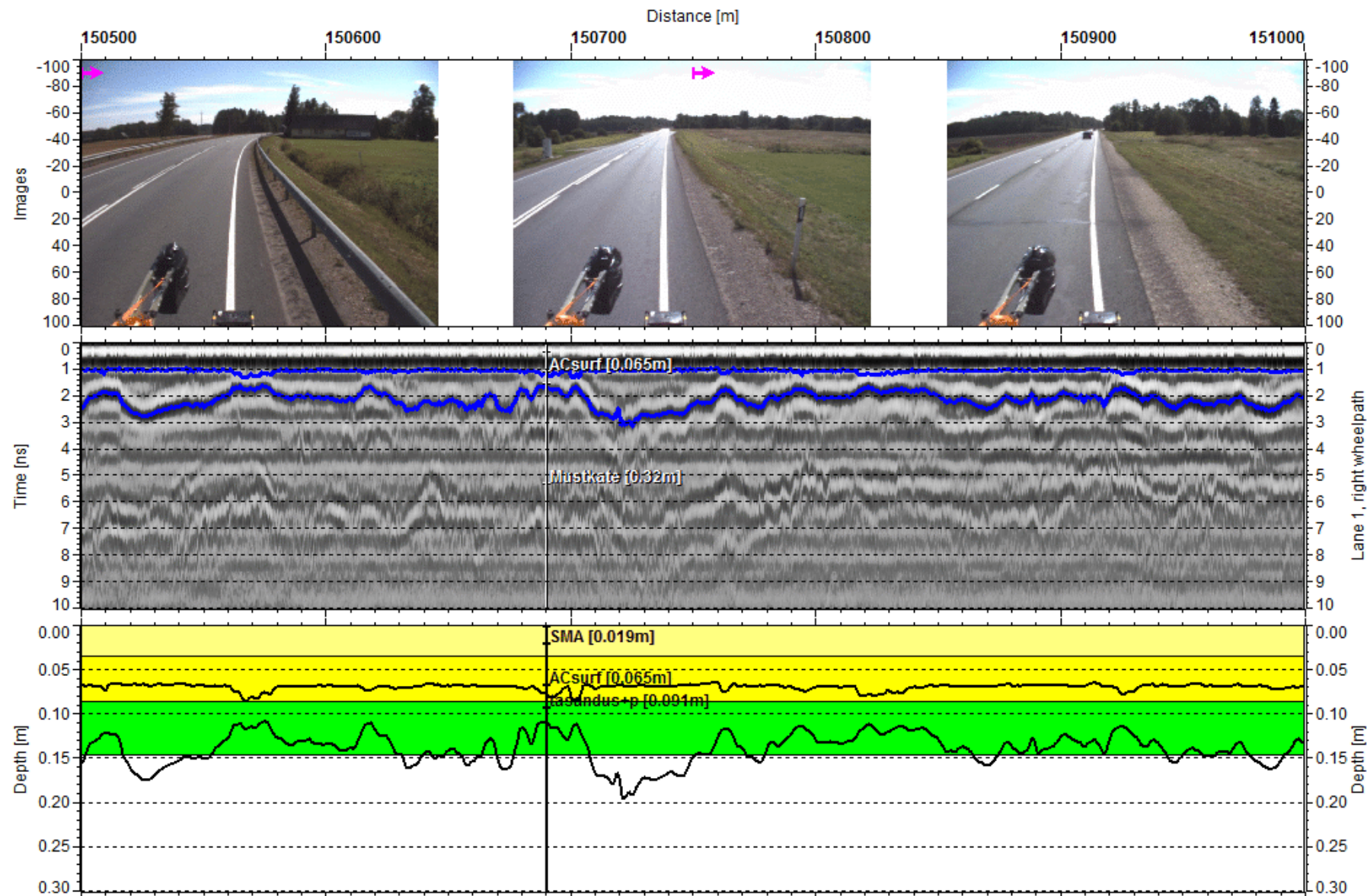


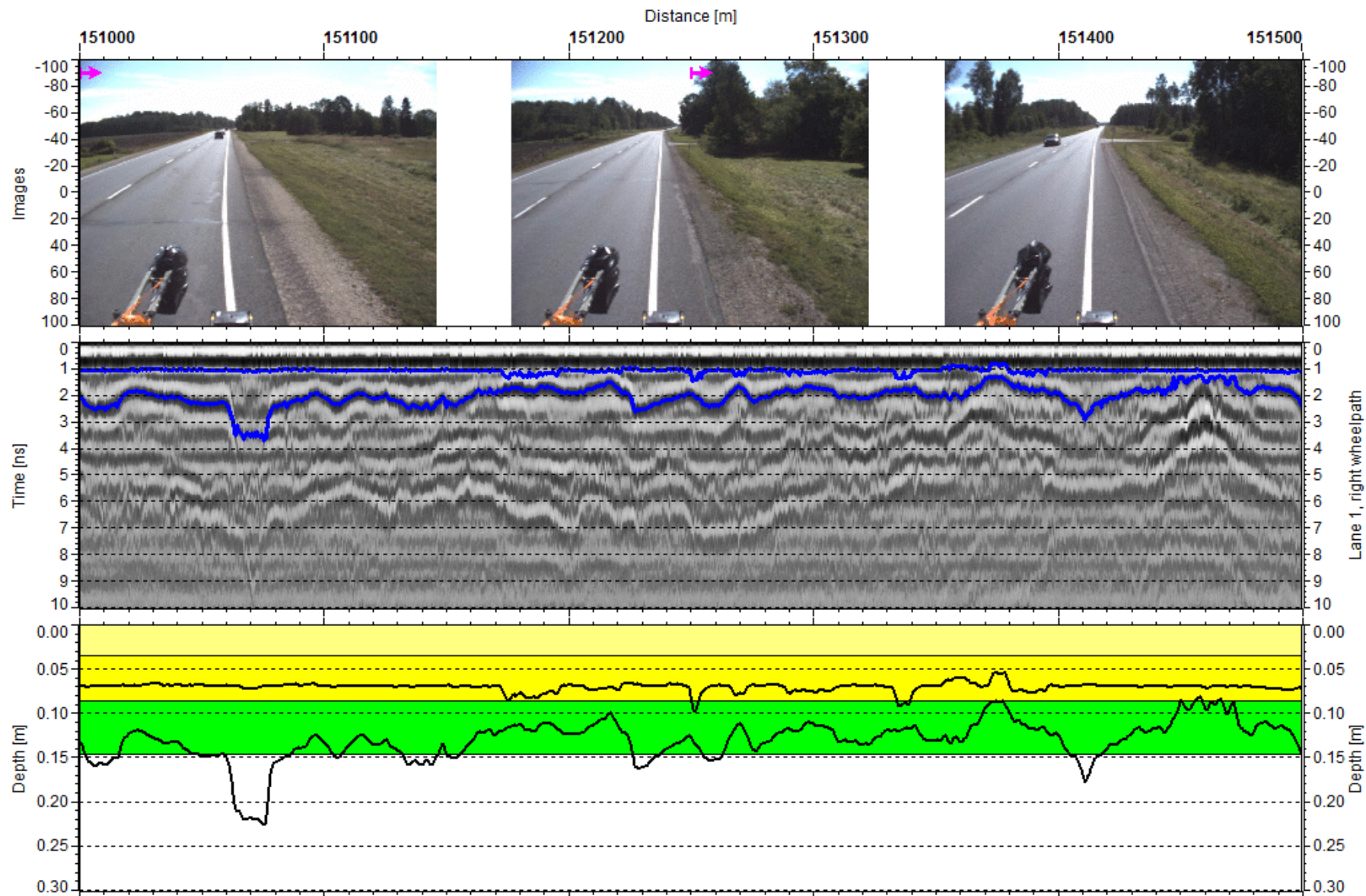
Yellow:
KMA 3,5cm & PAB 13 5cm

NOTE! According to plan green should be MUK 16/32 6cm, but according to drill core it seems to be "pindamine & tasandus kiht"!!

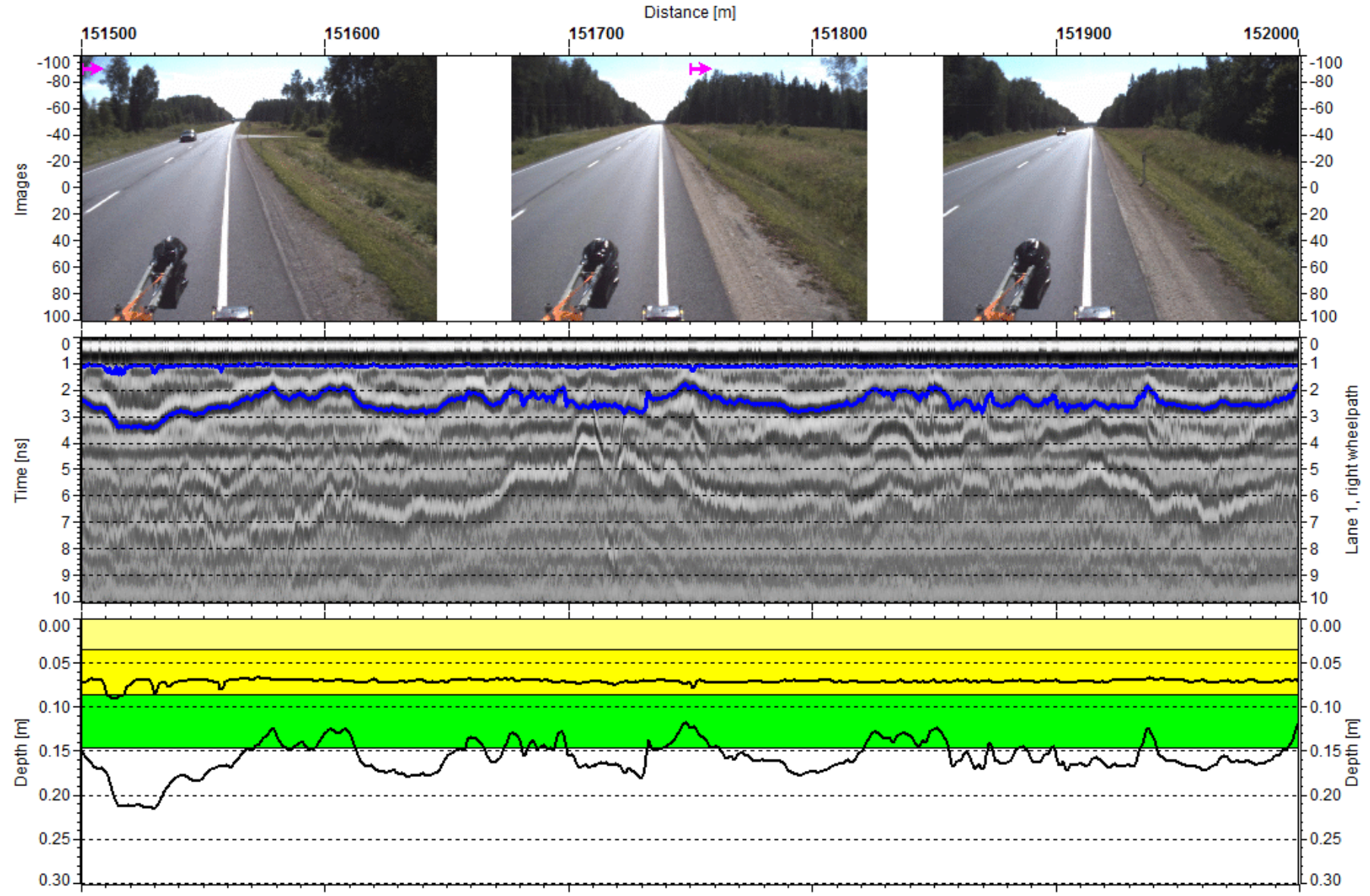


Roadscanners Oy, 10/2012

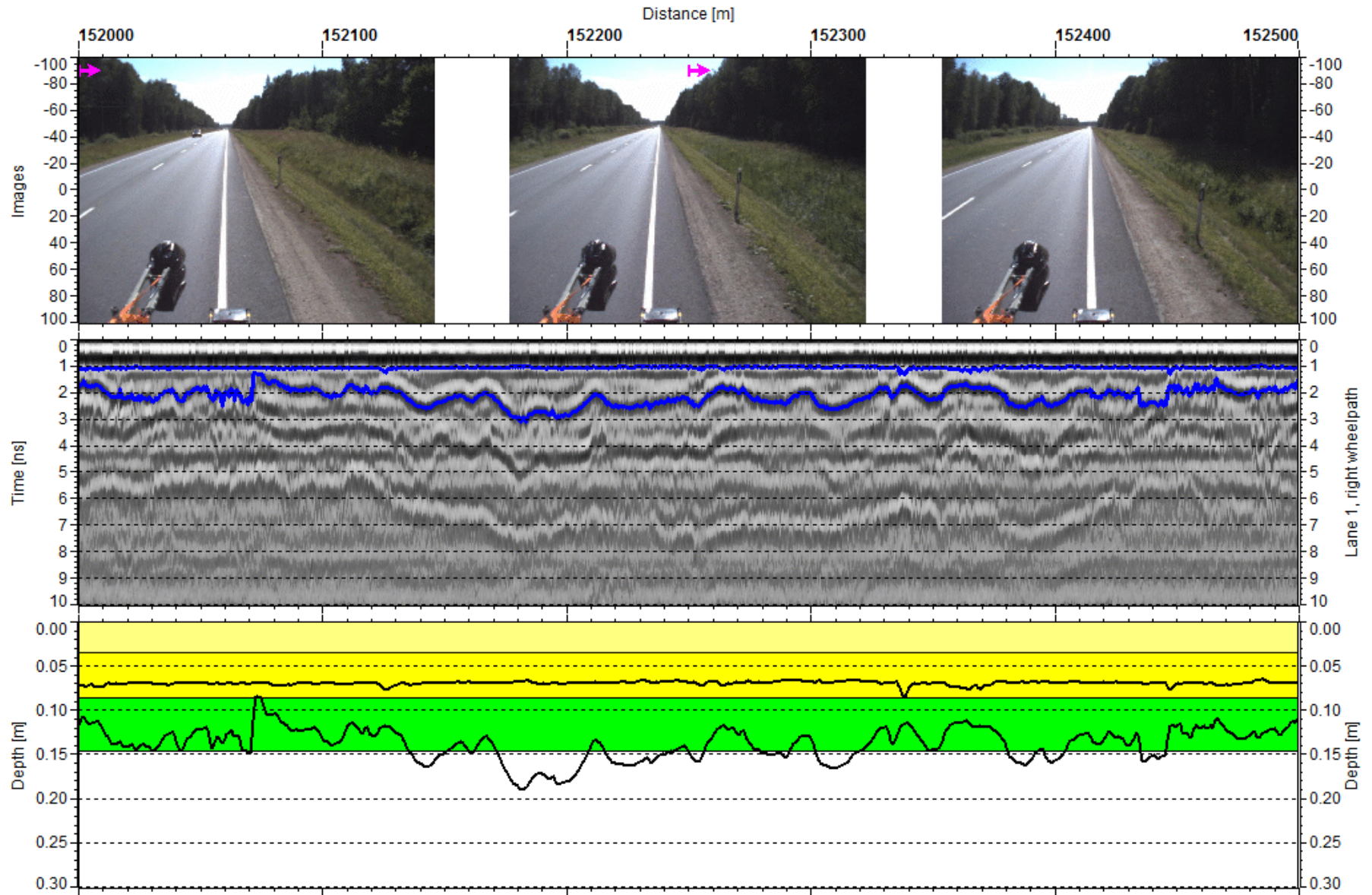




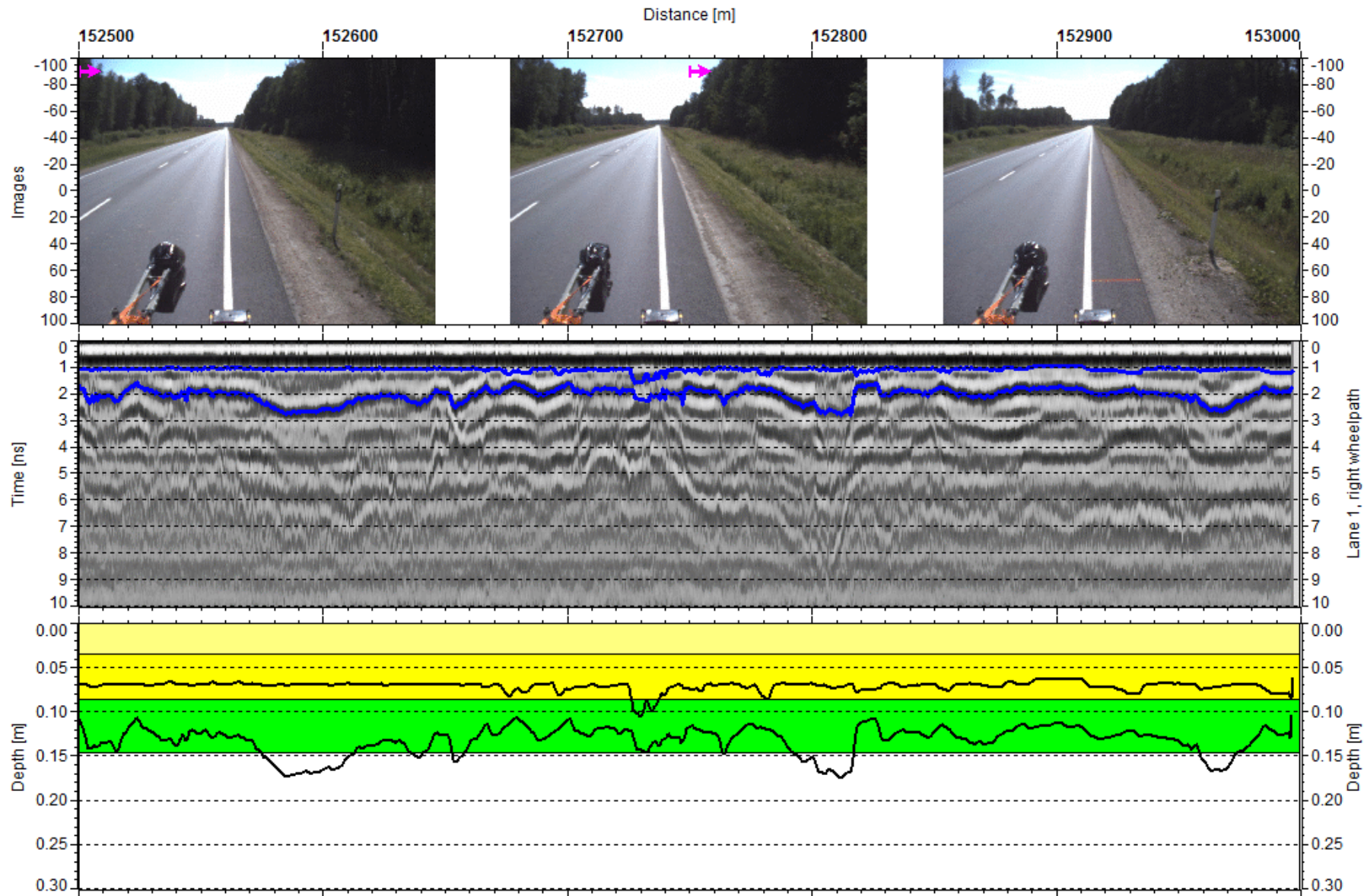
Roadscanners Oy, 10/2012



Roadscanners Oy, 10/2012



Roadscanners Oy, 10/2012

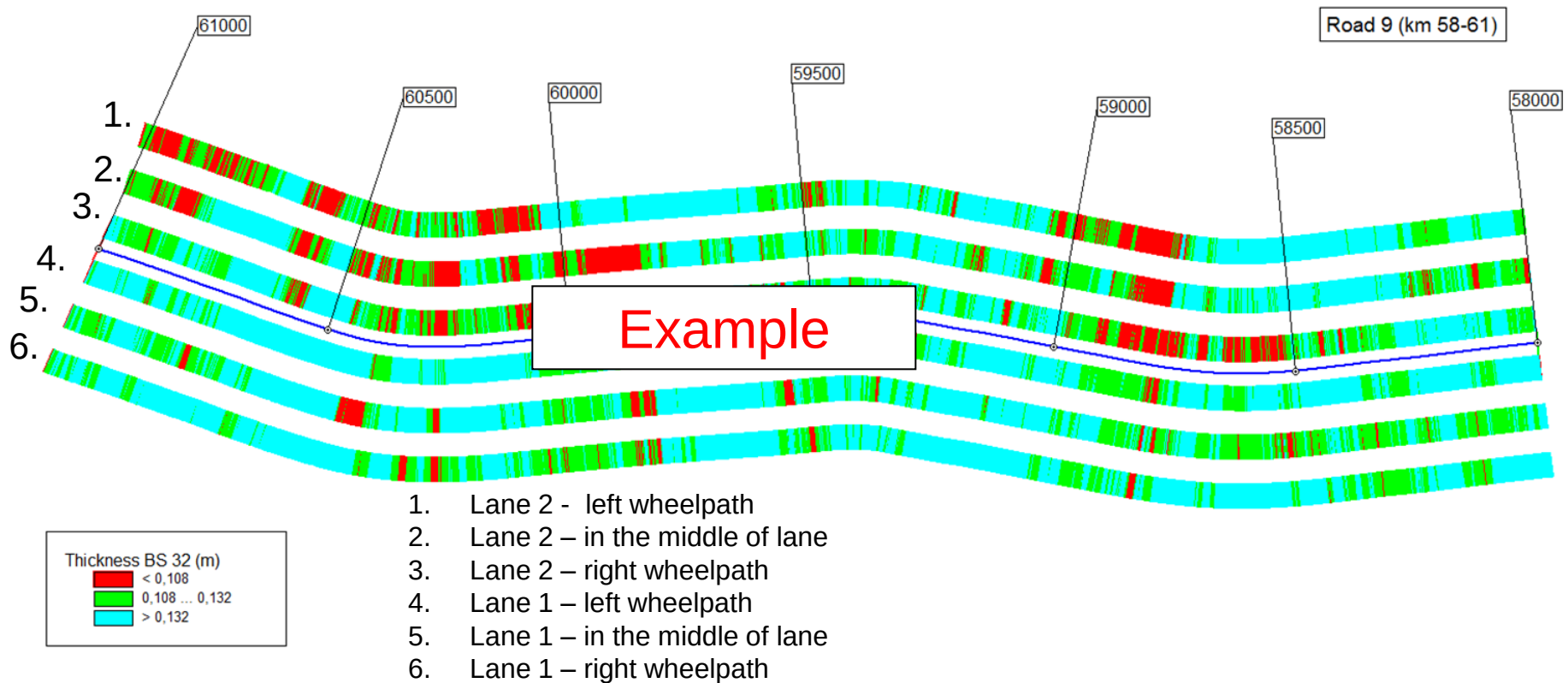


Roadscanners Oy, 10/2012

Explanation of Thickness Statistics and Maps

Table of average and statistical values:

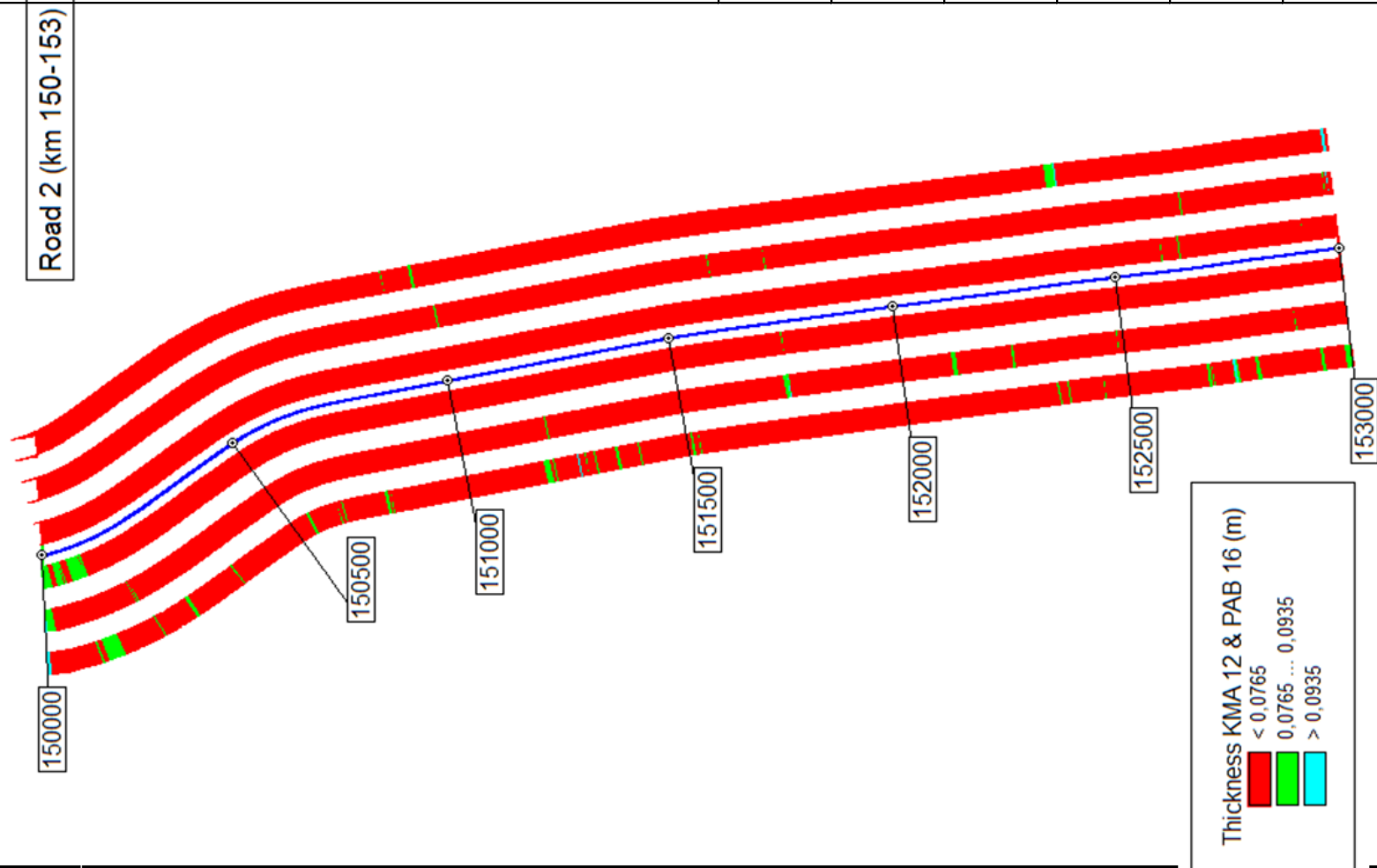
<i>Planned thickness = 0,04 m (TAB 12)</i>	L2 right	L2 middle	L2 left	L1 left	L1 middle	L1 right
Average layer thickness (m)	0.063	0.064	0.064	0.061	0.061	0.063
% of distance where thickness is more than 10 % under	0.0	0.0	0.0	0.0	0.0	0.0
Average undershoot from planned in "more	Example					
% of distance where thickness is more than 10 % over						
Average overshoot from planned in "more than 10 % over" class (m)	0.023	0.024	0.024	0.021	0.021	0.023
% of distance where thickness is between +- 10 %	0.0	0.0	0.0	0.1	0.0	0.6
Standard deviation (m)	0.005	0.004	0.006	0.006	0.004	0.005



Maps of Layer Thicknesses

[1/1]

<i>Planned thickness = 0,085 m</i>	L2 right	L2 middle	L2 left	L1 left	L1 middle	L1 right
Average	0.068	0.068	0.066	0.065	0.068	0.070
% of distance where thickness is more than 10 % under	98.7	99.6	99.7	98.1	98.6	94.2
Average undershoot from planned in "more than 10 % under" class (m)	-0.017	-0.017	-0.019	-0.020	-0.018	-0.016
% of distance where thickness is more than 10 % over	0.2	0.0	0.1	0.0	0.1	0.3
Average overshoot from planned in "more than 10 % over" class (m)	0.014	0.010	0.015		0.016	0.015
% of distance where thickness is between +- 10 %	1.0	0.4	0.2	1.9	1.3	5.5
Standard deviation (m)	0.003	0.002	0.003	0.003	0.003	0.004



Explanation of Rut Analysis from Laser Scanner Data

- Rutting was calculated from the laser scanner data using the wire rutting method and rutting was averaged over 5m distances.
- Rutting was analyzed from both driving lanes and from both wheel tracks.

