

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

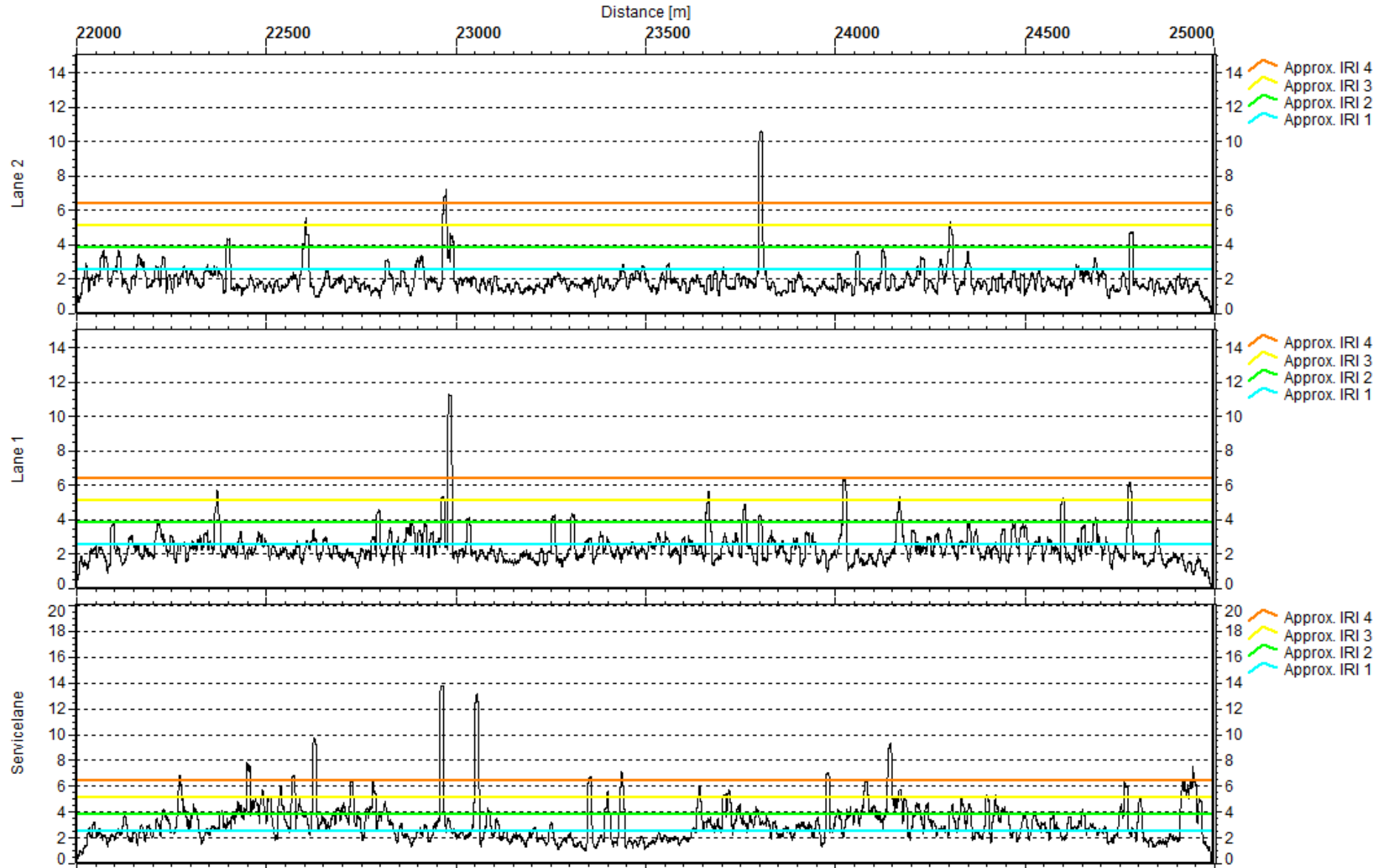
Section 2

Road 1, km 22-25



Roughness from Accelerometer Data

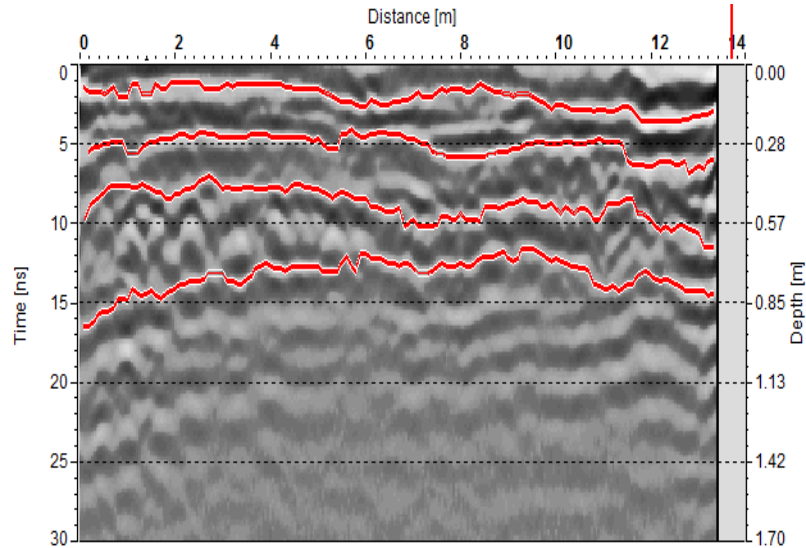
2_Road1_km22_25



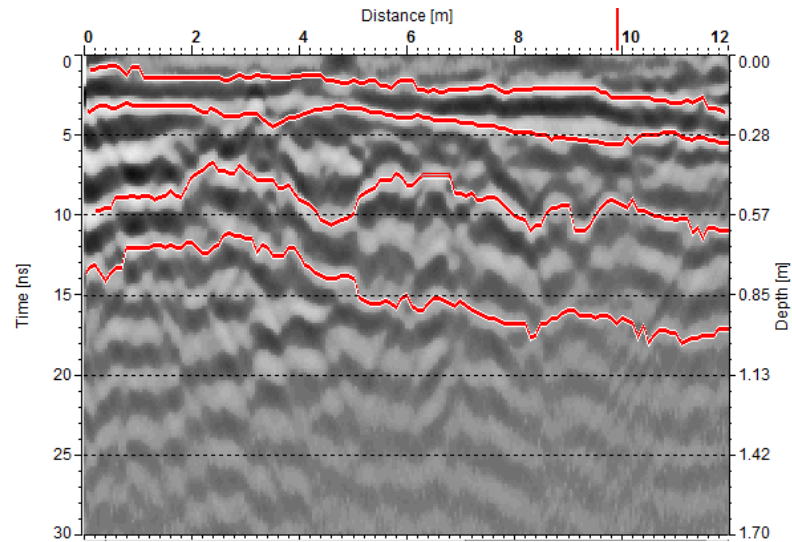
GPR Cross Sections

Materials	[cm]
Stone Mastic Asphalt KMA 12	4
Dense asphalt concrete TAB 16 II	4

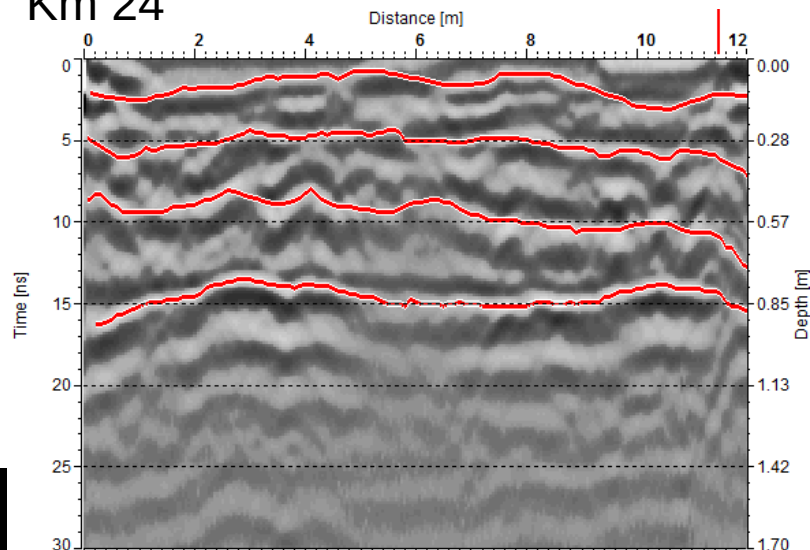
Km 22



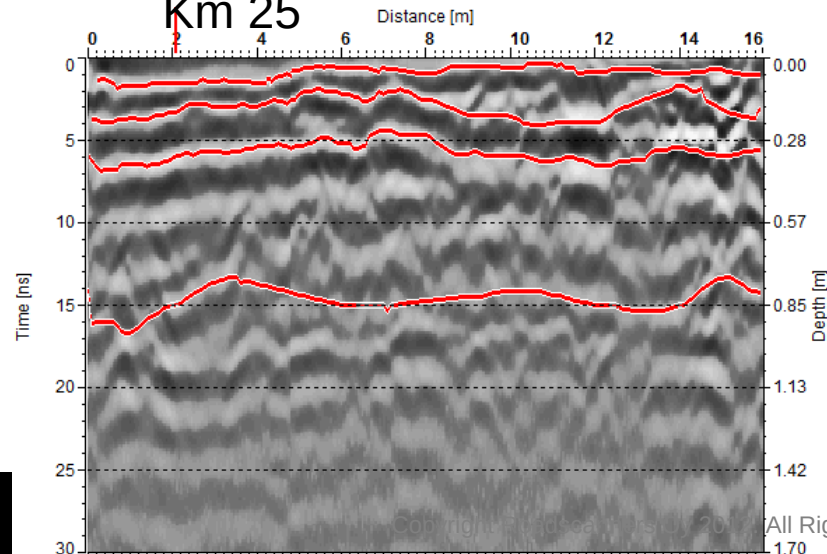
Km 23



Km 24



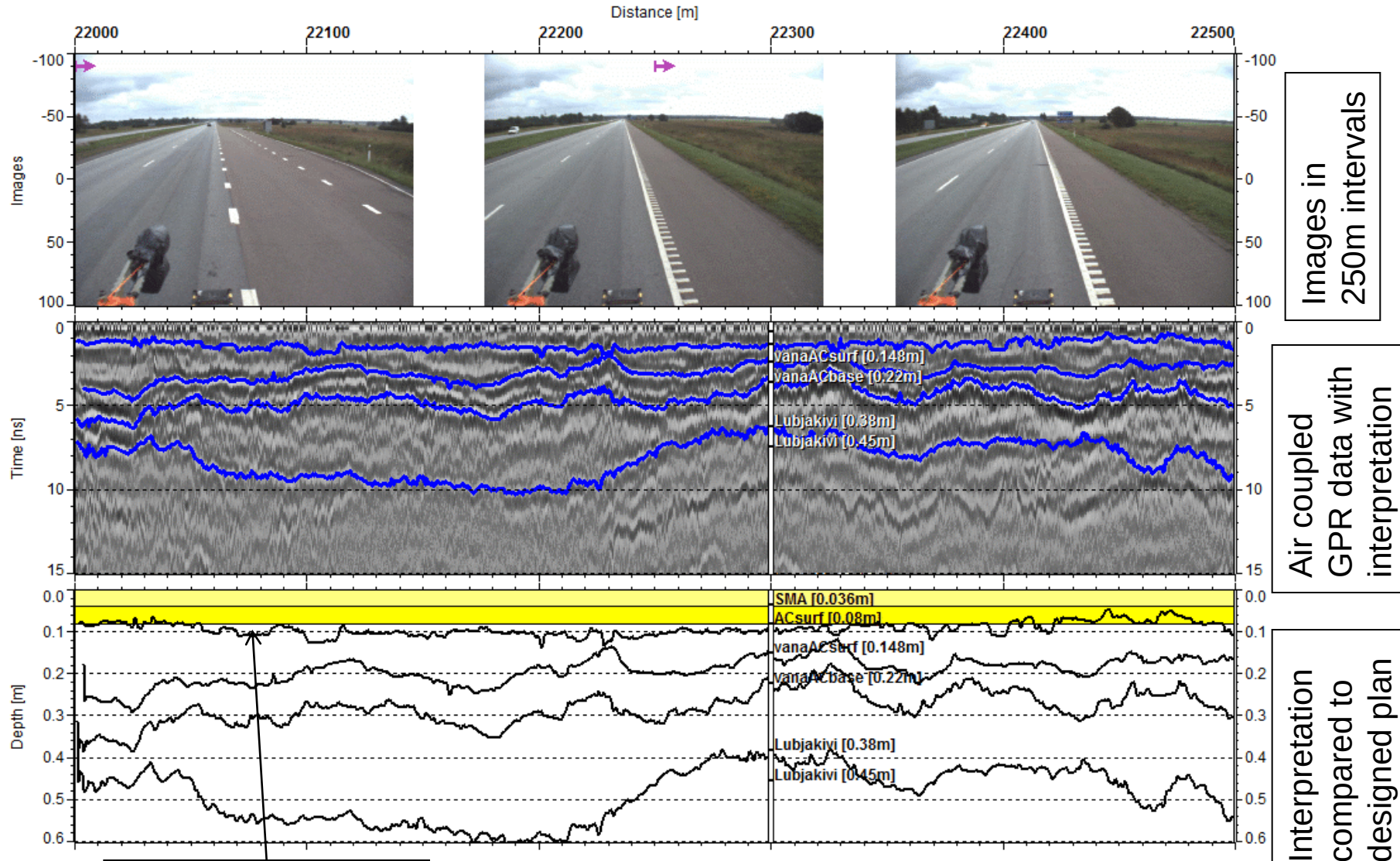
Km 25



Explanation for longitudinal profiles

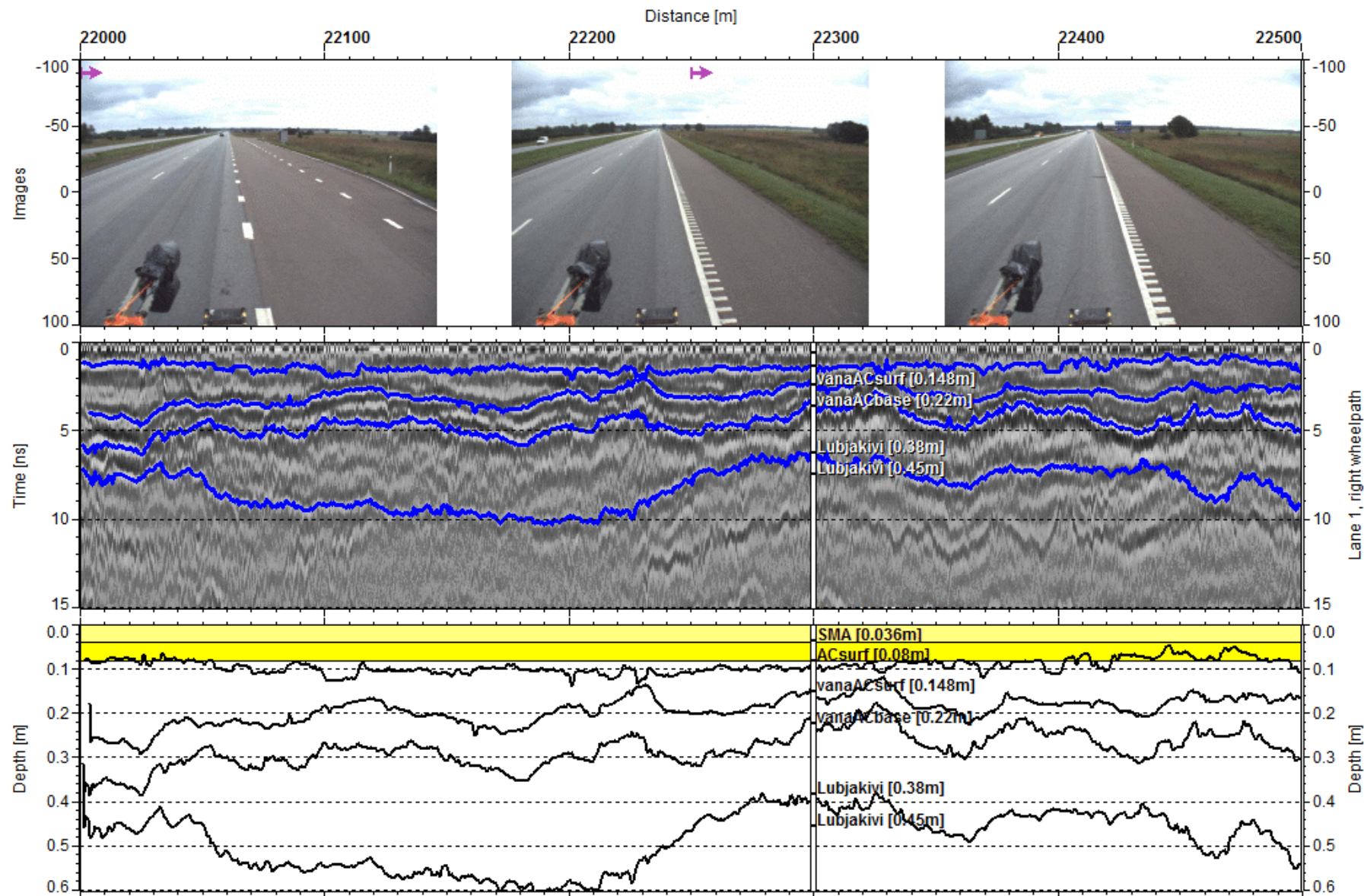
-Profiles are presented from Lane 1, right wheelpath

2_Road1_km22_25

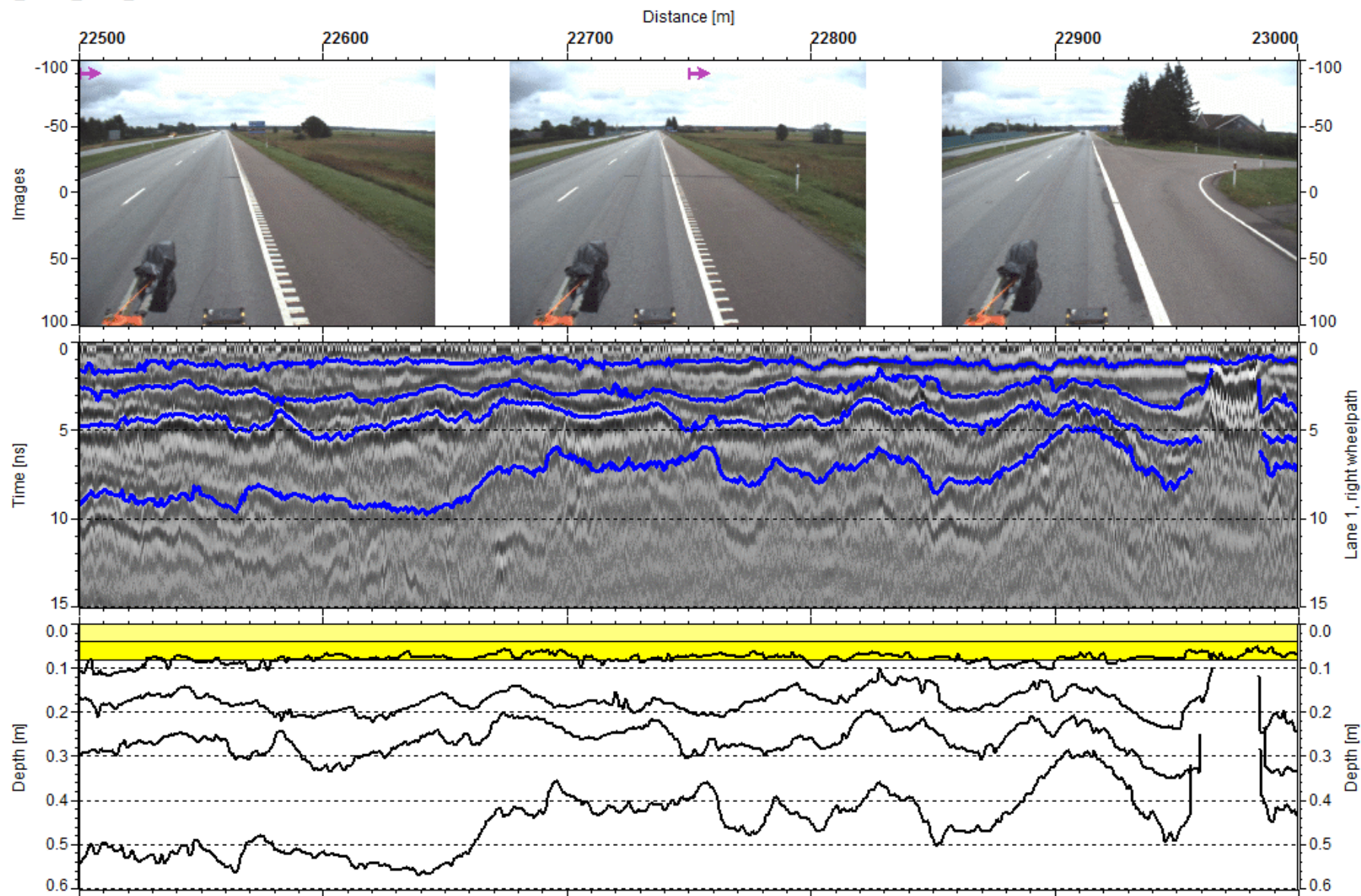


Yellow:
KMA 4cm & TAB12 4cm

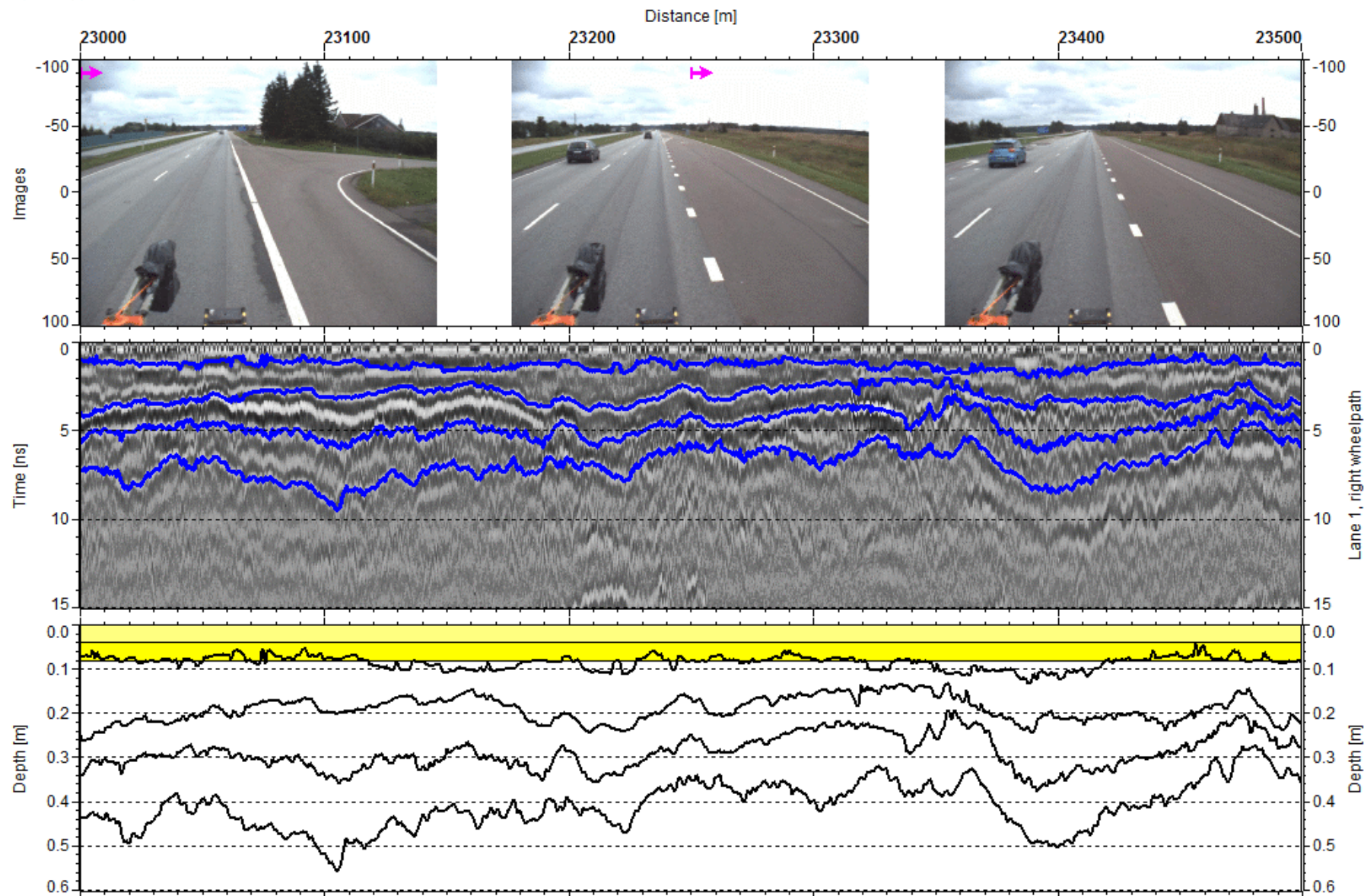
Roadscanners Oy, 10/2012



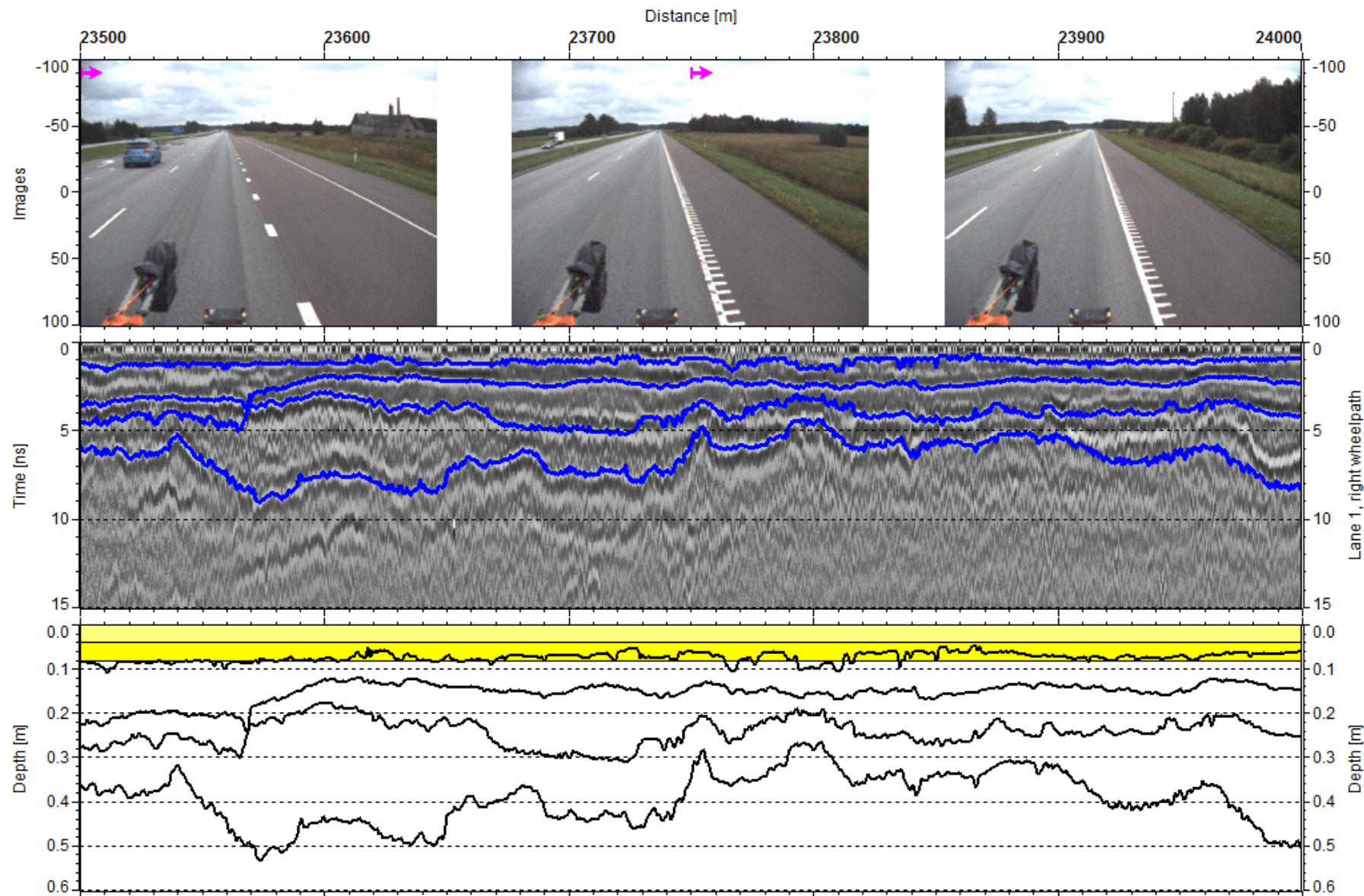
Roadscanners Oy, 10/2012



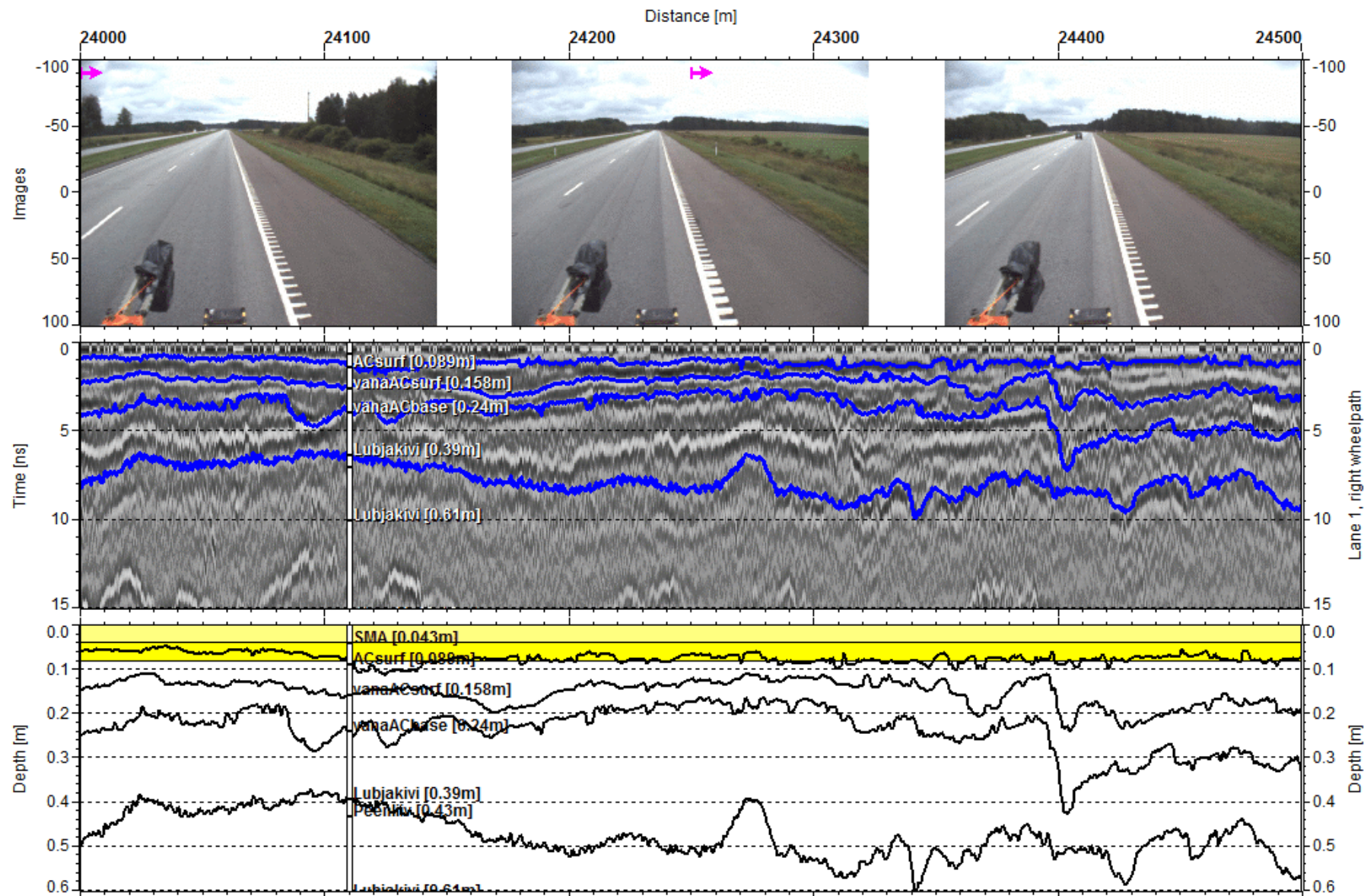
Roadscanners Oy, 10/2012



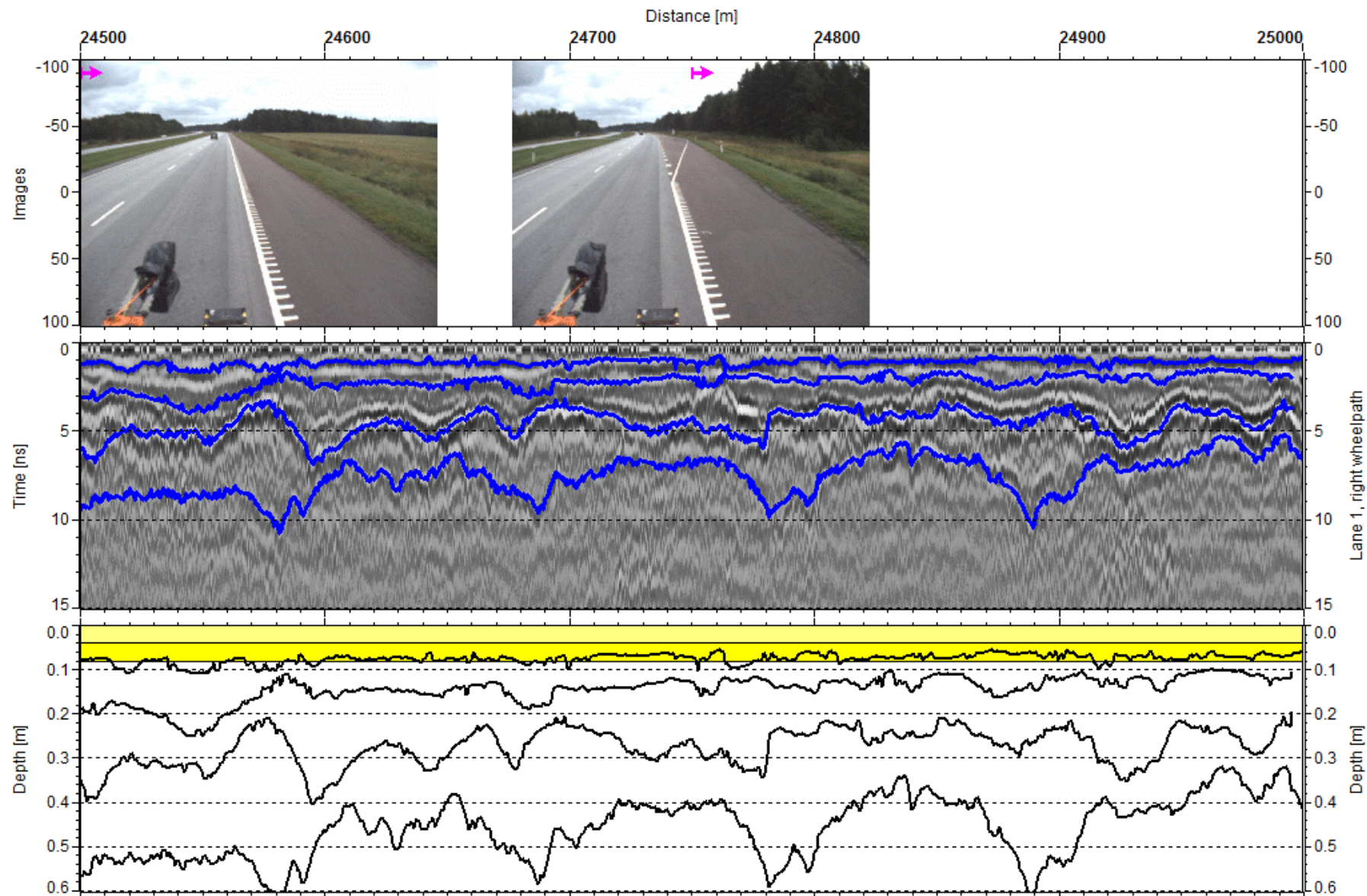
Roadscanners Oy, 10/2012



Roadscanners Oy, 10/2012



Roadscanners Oy, 10/2012



Roadscanners Oy, 10/2012

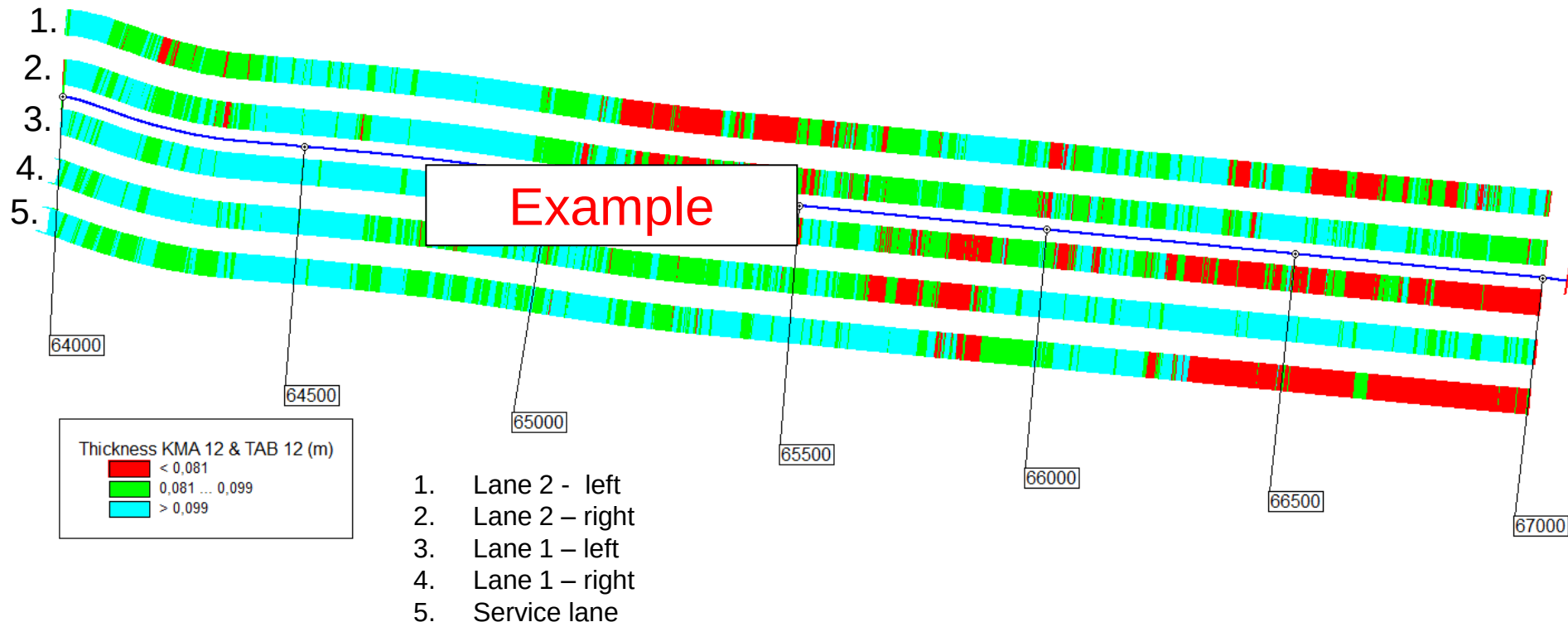
Explanation of Thickness Statistics and Maps

Table of average and statistical values:

Planned thickness = 0,09 m (KMA 12 & TAB 12)	L2 left	L2 right	L1 left	L1 right
Average layer thickness (m)	0.093	0.099	0.093	0.103
% of distance where thickness is more than 10 % under	21.6	10.5	27.8	5.8
Average undershoot from planned in "more than 10 % under" class (m)	-0.024	-0.018	-0.021	-0.018
% of distance where thickness is more than 10 % over	38.3	44.3	36.2	60.4
Average overshoot from planned in "more than 10 % over" class (m)	0.024	0.025	0.025	0.022
% of distance where thickness is between +/- 10 %	40.1	45.1	36.0	33.8
Standard deviation (m)	0.020	0.017	0.020	0.014

Example

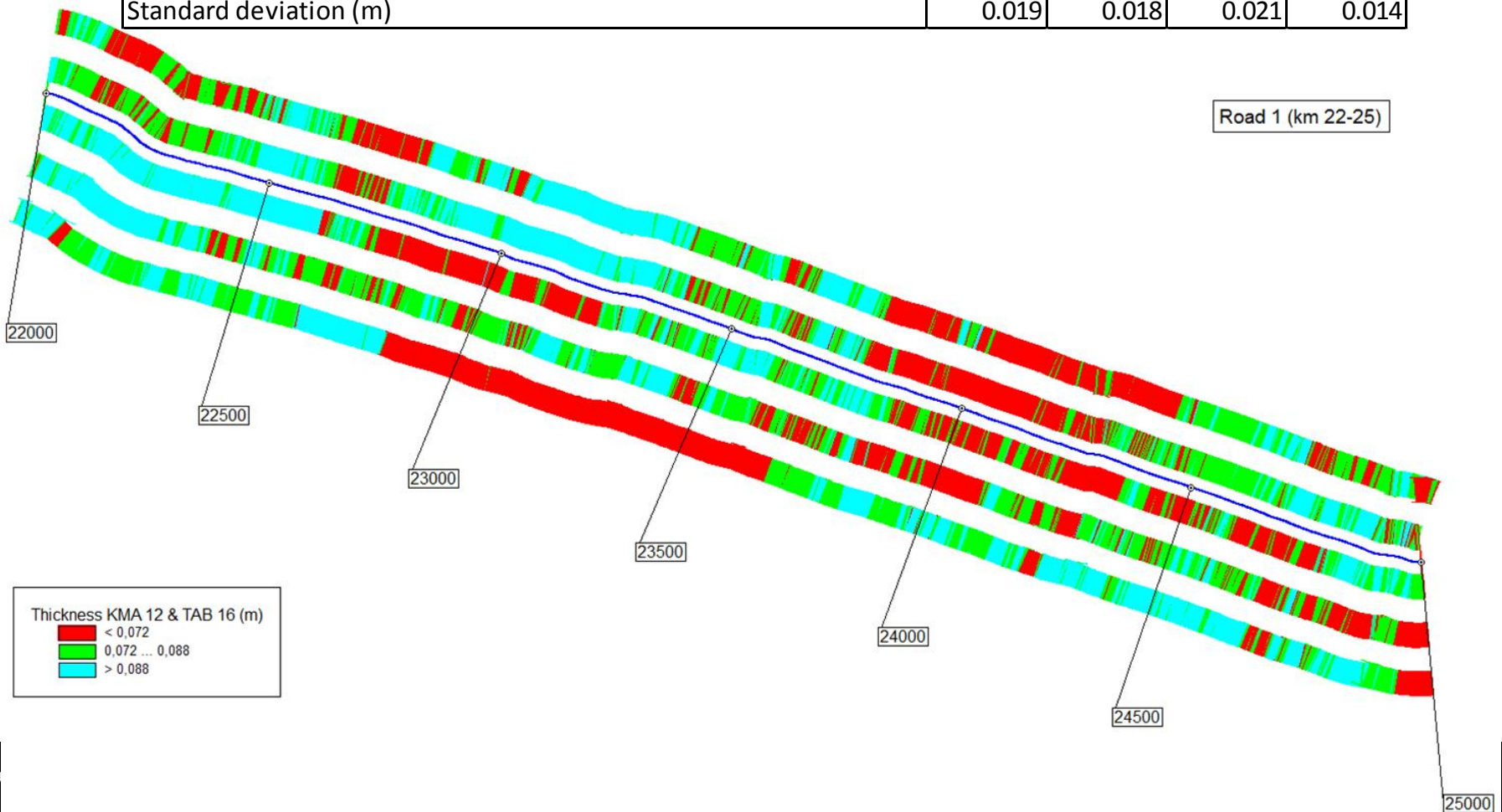
Example



Maps of Layer Thicknesses

[1/1]

Planned thickness = 0,08 m (KMA 12 & TAB 16)	L2 left	L2 right	L1 left	L1 right
Average layer thickness (m)	0.077	0.081	0.079	0.080
% of distance where thickness is more than 10 % under	40.0	28.6	39.5	32.3
Average undershoot from planned in "more than 10 % under" class (m)	-0.022	-0.021	-0.022	-0.015
% of distance where thickness is more than 10 % over	25.0	31.6	33.1	22.4
Average overshoot from planned in "more than 10 % over" class (m)	0.021	0.021	0.022	0.021
% of distance where thickness is between +- 10 %	35.0	39.8	27.4	45.4
Standard deviation (m)	0.019	0.018	0.021	0.014



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.

