

Building a road: how difficult could it be?

How subsurface GeoBIM might save us millions



Ministerie van Infrastructuur en Milieu

Geodan





Case “Westfrisiaweg N23”: schedule overruns due to unanticipated subsurface conditions



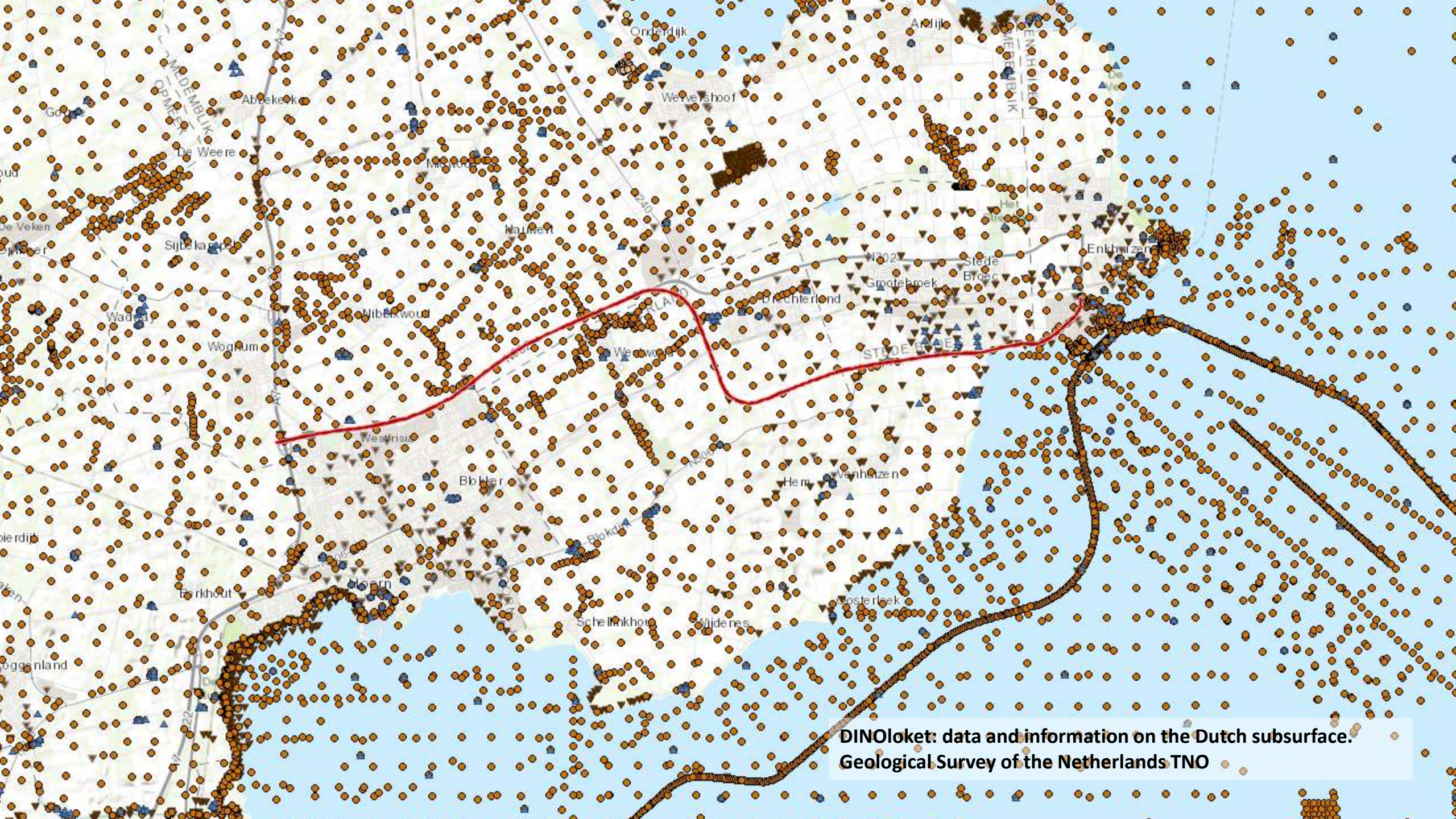
Source: NRC
November 2nd 2016
Carola Houtekamer

N23 Westfrisiaweg (Hoorn – Enkhuizen)

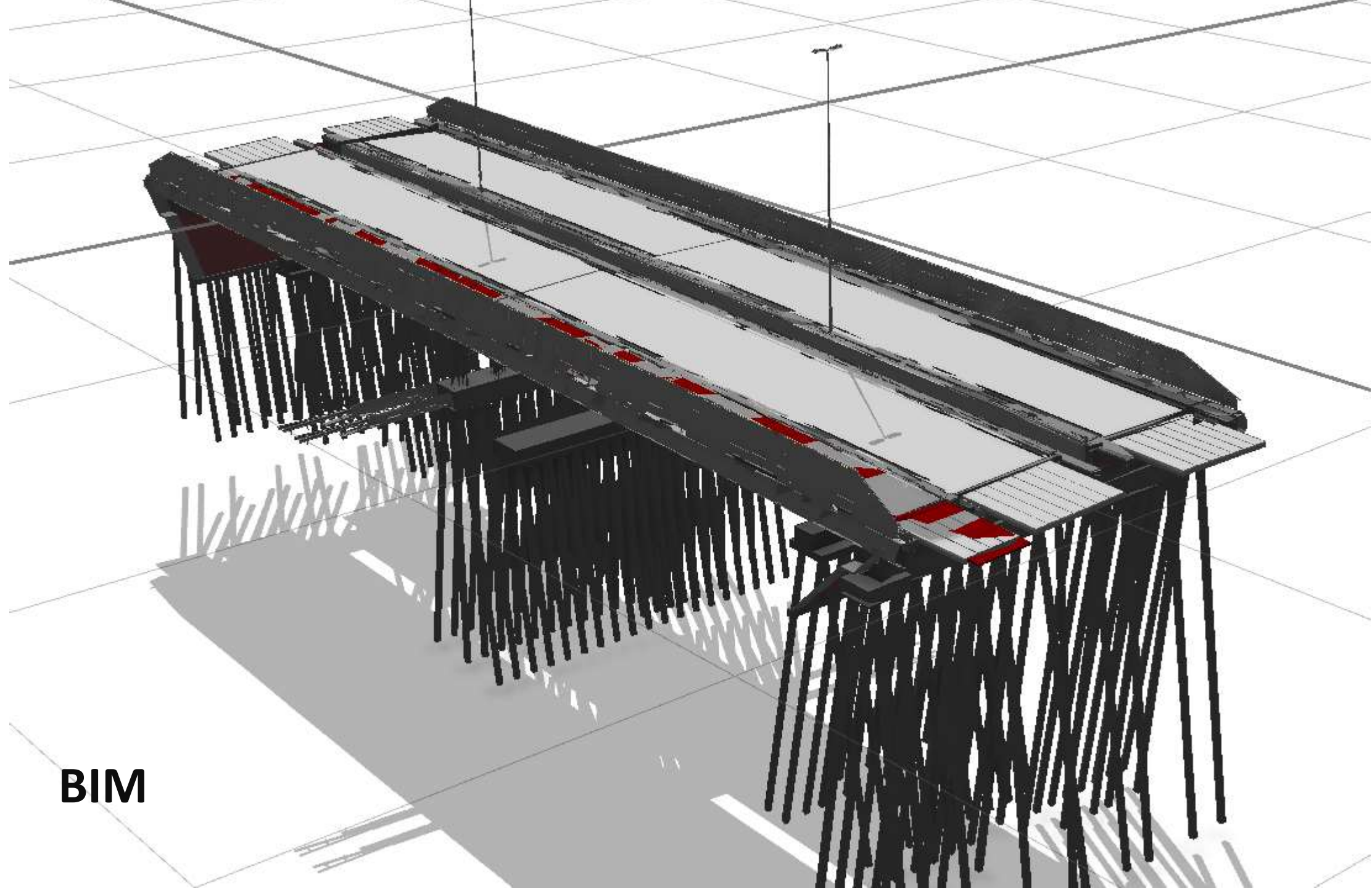


N302

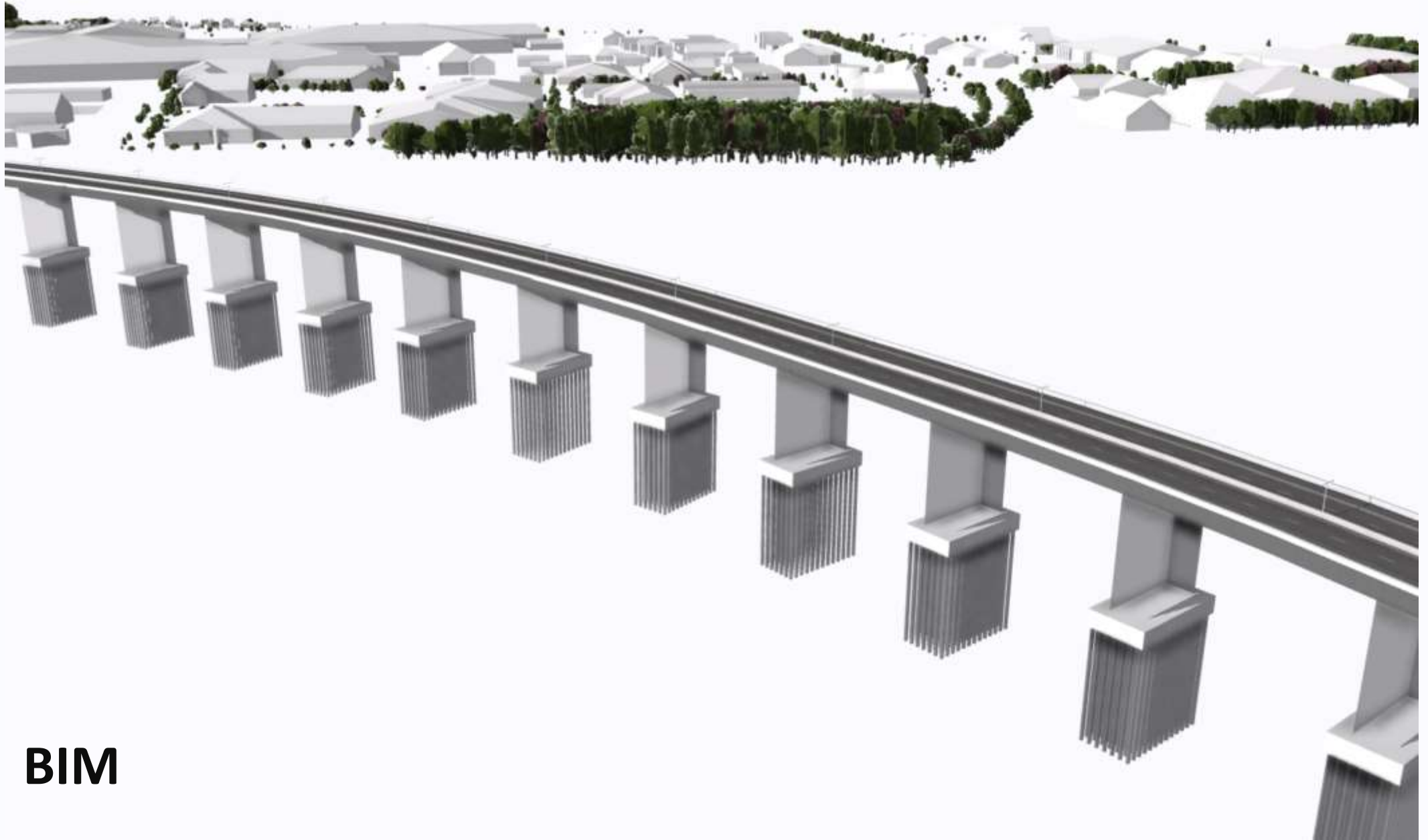




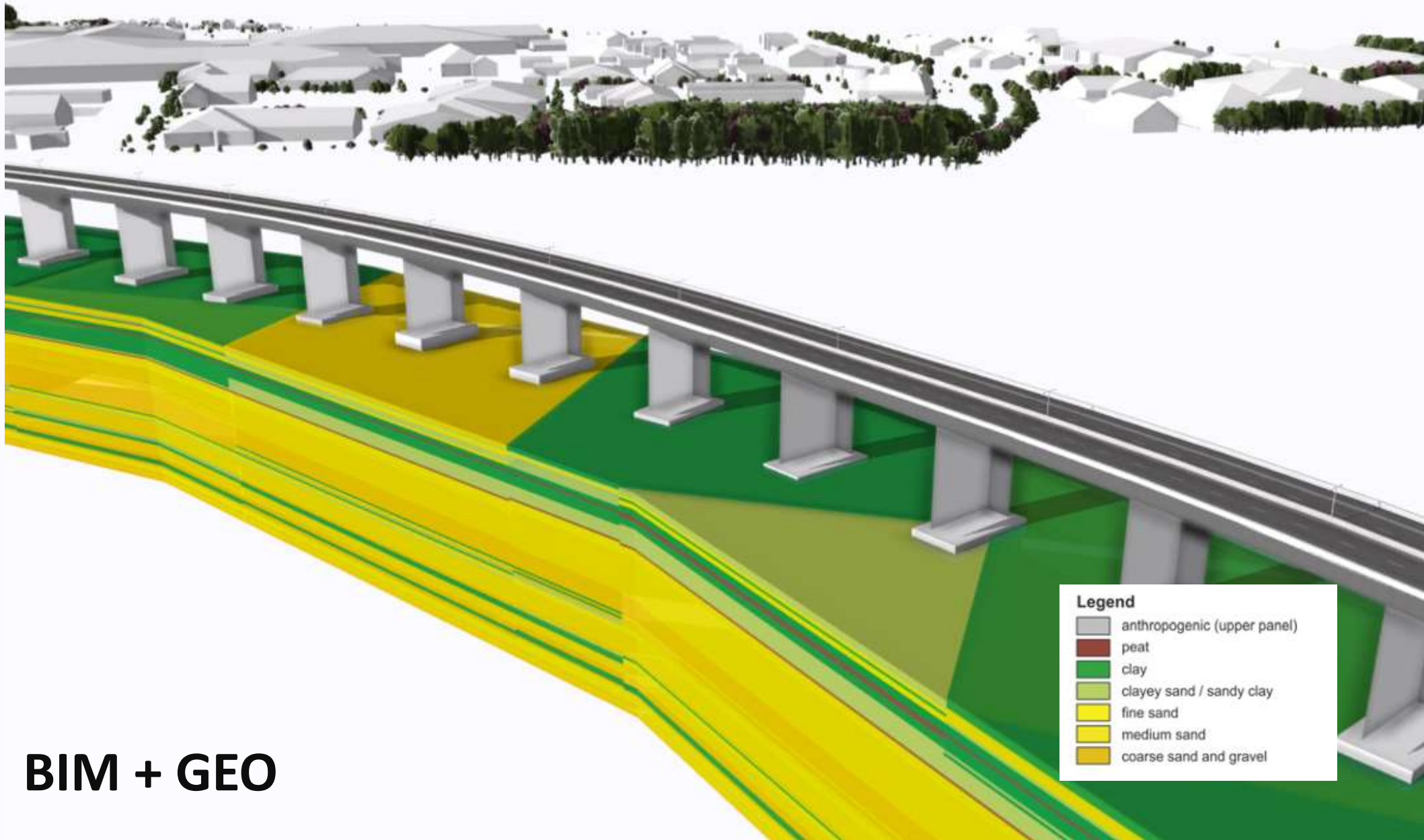
DINOloket: data and information on the Dutch subsurface.
Geological Survey of the Netherlands TNO



BIM



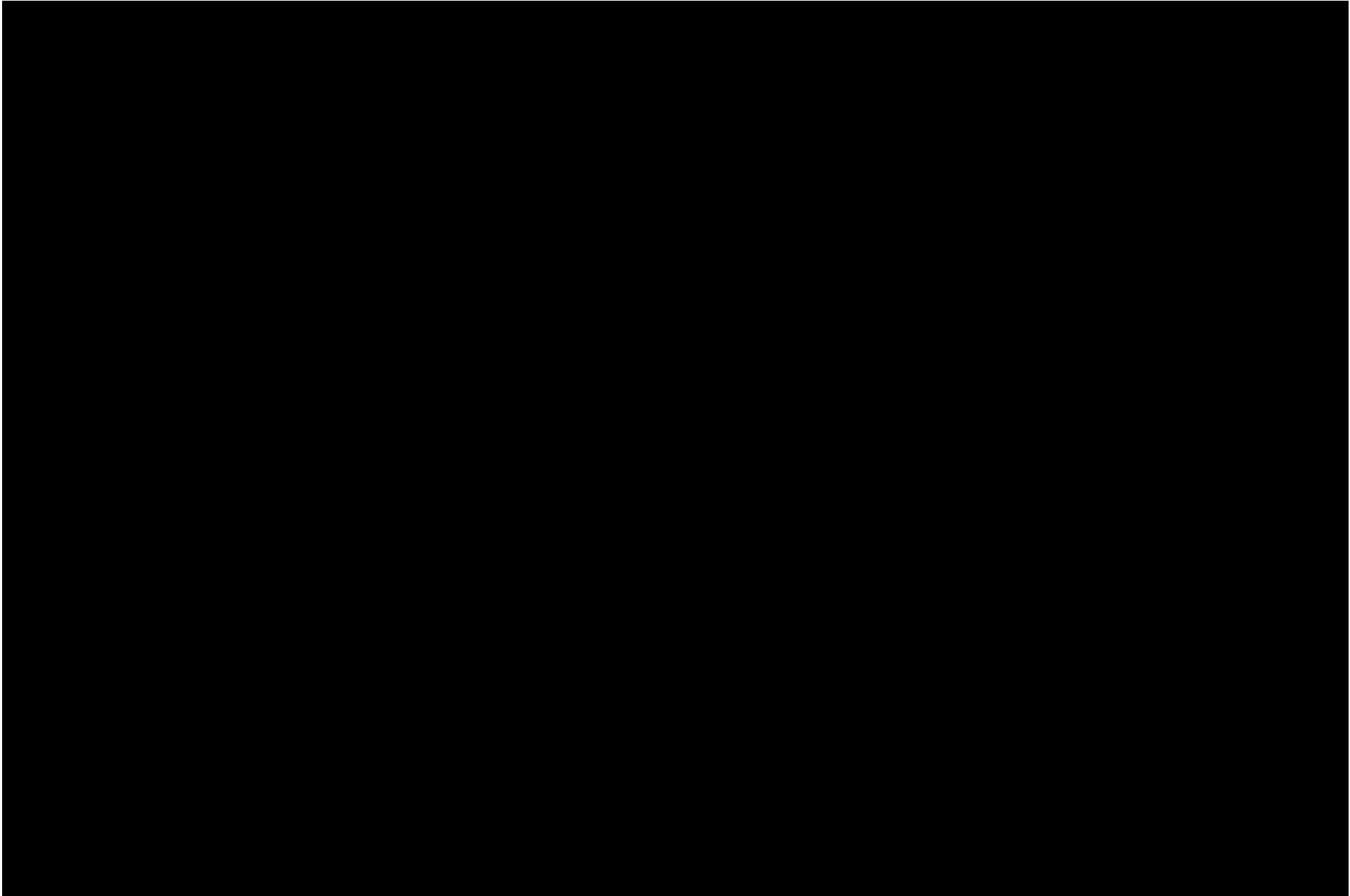
BIM



BIM + GEO

Legend

- anthropogenic (upper panel)
- peat
- clay
- clayey sand / sandy clay
- fine sand
- medium sand
- coarse sand and gravel



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Video