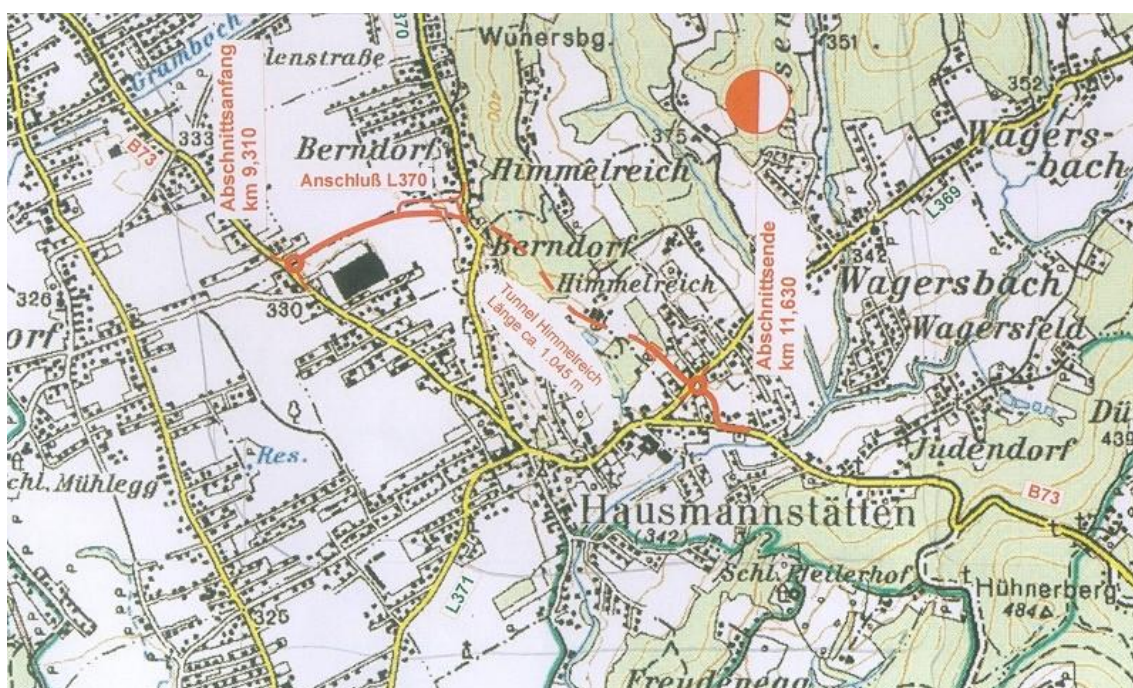


Project	B 73 Bypass Hausmannstätten, Tunnel Himmelreich
Client	District Government of Styria
Consulting services	2000-2004 Preliminary Design, Tender Documents
Total cost	US\$ 20 Mio.
Technical data	Tunnel length: 1.045 m



Description	<p>A bypass tunnel, called Himmelreich Tunnel, with a length of 1.045 m has been planned to reduce traffic on the B 73 through the centre of Hausmannstätten.</p> <p>For exploration purpose a gallery with a length of 650 m will be driven first which is also utilized to drain the silty clayey tertiary sediments prior to excavation of the main tunnel.</p> <p>Because of environmental requirements a central ventilation shaft for exhaust air extraction must be constructed along the tunnel.</p> <p>Both, the exploration gallery and the main tunnel are constructed according to the principles of NATM.</p>
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