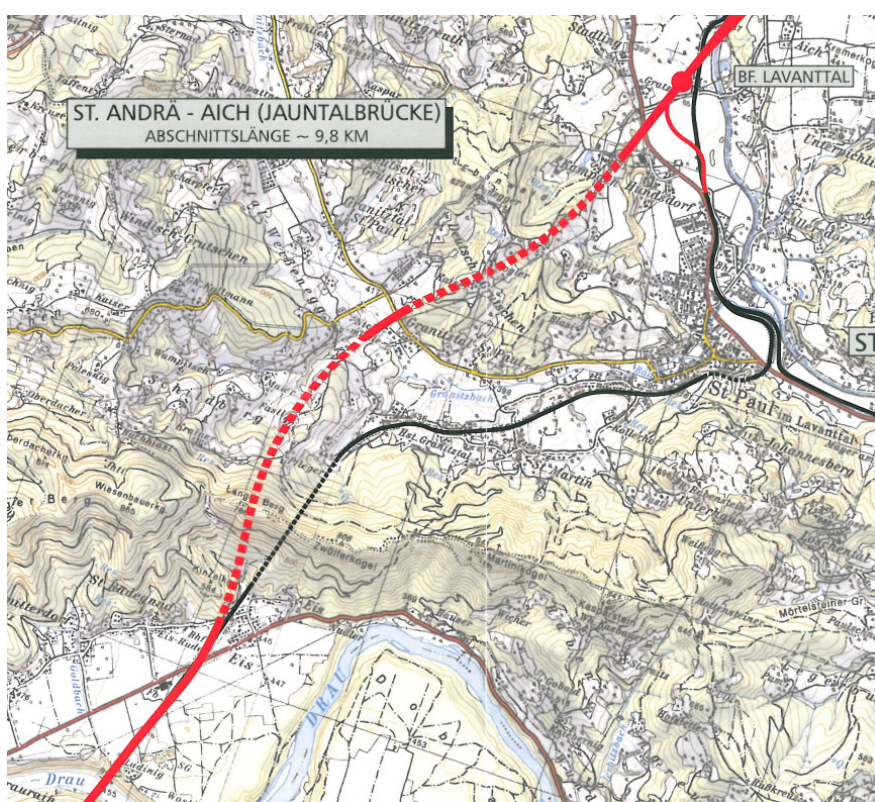


Project	Koralmbahn Graz – Klagenfurt Tunnels Granitztal
Client	Austrian Federal Railways
Consulting services	2008-2009 Approval procedure for railway-rights Since 2010 tender design
Total cost	US\$ 272 Mio. approx.
Technical data	2 single track railway tunnels Total length: 6082m (track 1) resp. 6106m (track 2)



Description	<p>The railway line Graz – Klagenfurt, section St. Paul - Aich will be part of the Austrian high speed railway net and part of the European Railroad Network</p> <p>Within the submission 2005 for the section St. Paul - Aich the construction permit according to Austrian Railway Law and the equipment for signal transmission system has been issued for a series of tunnels at Granitztal. The submission according to Austrian Railway Law has been effected for several buildings in this section. Based on the amendment 2006 of Austrian Railroad Law 1957 all required approval design documents have been compiled and submitted.</p> <p>The tunnel area consists of 2 sections, tunnel Deutsch Grutschen (L=2.556m – track 1) and tunnel Langer Berg (L=2.929m – track 1) with 2 single track tubes each. Both sections are connected by the cut and cover passage Granitztal (L=597m – track 1).</p> <p>The heading is alternatively studied for both NATM and TBM.</p>
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