

High resolution geophysical survey results at the proposed construction site of a tunnel

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An geophysical survey was carried out to grasp geological situation at a proposed construction site of tunnel in Wakayama Prefecture. The survey method was a combination of Seismic Survey (High Resolution Seismic Resolution Method) and Resistivity Image Profiling. In the construction of tunnel, geological information around the entrance of tunnel is quite important. As results, following geological characteristics at the mouth of tunnel were precisely analyzed.

- (1) Boundary between Shimanto Super Group and Tertiary Muro Group
- (2) Geological structure of each Group.
- (3) Fault zones
- (4) Distribution and thickness of conglomerate in Muro Group