

# Tramway Karlsruhe Nordstadt/Heide

Planning of a tramway route from the Karlsruhe inner city into the north "Nordstadt"

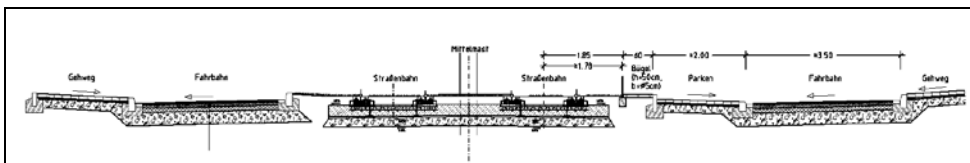
## Infrastructure

Client: Verkehrsbetriebe Karlsruhe (VBK)

End: 2005



Design plan from the end stop with turning loop and siding



Cross section from the Street "Weissdornweg"

After the distraction of the US Army in the mid 1990s and the planned lock-up building development the extension to "Nordstadt" was planned.

The 3.1 km long new section runs from the stop Mühlburger Tor in the west of the Karlsruhe inner city towards the north up to the ice skating hall in Neureut-Heide. A later extension of the line in the direction of Neureut-Kirchfeld is foreseen. The reversing loop has therefore been already prepared.

The complete section will be double track and build on special "lanes" which are integrated into the local conditions but make the tramway independent from traffic.

Almost the entire length of the track-bed was constructed with the "Rheda City- Bauart Karlsruhe" design (slab track). This design allowed a large part of the route to be built as grassed track with flanged rail. The track in the Grasshoffstraße was laid in block-work.

In light of the current plans for this corridor, significant changes would have to be realised in the infrastructure present especially the layout of streets and intersections.

A special characteristic are the piled platforms, in order to protect the roots of the trees.

The assignment also included the co-ordination of all cable re-laying and wiring.

### Statistics:

- 3.1 km route length
- 6.5 km track length
- 6 stops (including one Tram/Bus)
- Turning loop (R=33m) and siding (L=80m)
- Electrification with 750 V ±
- 2 substations



Südliche Hildapromenade



Grasshoffstraße



Photo before



Artists impression