



Choose certainty.
Add value.

Services for roads and highways

Extend the availability and lifetime
of infrastructure.

Your challenges

Highways and roads are significant investments in vital state, city and municipal infrastructure. Detailed planning and multidisciplinary technical knowledge is required to ensure compliance with various technical standards and regulations. Government and transport authorities, developers and operators need to be aware of the regulated aspects including survey, investigation, design, construction, environment, maintenance and safety. Defects, delays and damage during construction and use must be minimised. Structural damage that goes unnoticed can lead to safety risks and is costly to repair at a later stage.

What road and highway services does TÜV SÜD provide?

TÜV SÜD's suite of services extends from feasibility studies to project management, materials testing and site inspection. We have experience with most road structures including highways, expressways, grade separations, urban arterial roads, local roads

and express bus corridors. Our experts assist you throughout your project lifecycle, from initial design review to final acceptance and maintenance.

Why are these services important?

Our services help you maintain single-source control over fund flow and utilisation, improve planning and budgeting, and reliably measure project results. We enable you to complete projects on time and budget, maintain road user safety and mitigate business, financial and legal risks.

How can we help you?

Accredited by various national bodies, TÜV SÜD offers third-party testing and inspection services to ensure road works structures are safe, stable, reliable and compliant with regulations. With our civil engineering expertise, construction materials knowledge and objective assessments, we support you from the planning phase with fundamental assessment. Our quality assurance services optimise the performance of road structures while our cost-effective



refurbishment strategies extend the lifetime of road infrastructure. In addition, we provide planning and ensure legal certainty.

Our infrastructure solutions for roads and highways

■ Consulting

Our experts provide consulting services that cover feasibility / DPR studies, master planning and project management of road and highway projects. We also conduct contract reviews, design reviews and approvals, as well as technical review of construction plans for stability and construction physics.

■ Inspection

We conduct technical audits and regular quality assurance inspections throughout all stages of development and refurbishment to ensure structural stability according to international regulations. Our experts also provide construction supervision services that include construction site safety inspections.

■ Testing

Construction materials and products used in the project are tested in our laboratories and on-site. Our tests cover chemical and physical analyses of materials, as well as destructive and non-destructive testing.

■ Road maintenance services

We conduct on-site visual checks for damage on existing roads and then produce damage assessment reports. Our services also cover refurbishment proposals and repair recommendations that include cost estimates and planning reviews. In addition, we conduct special inspections and tests after flooding, fire, road accidents and other special conditions.

Your business benefits

- **Deliver projects on time** – with single-source control, enabled by our interdisciplinary support and project management consultancy.

- **Reduce cost** – through our expertise in identifying repair needs and making restoration recommendations with cost efficiency in mind.
- **Gain planning and legal certainty** – with our in-depth knowledge of technical directives and standards, along with best-in-class consultancy on project planning, cost control and material selection.
- **Ensure the safety of road users** – with our expert third-party quality assurance that optimises the performance of your road structures, enhances traffic flow and inspires trust in your reputation.

Why choose TÜV SÜD?

TÜV SÜD is widely known as an independent third-party solutions provider that delivers impartial analyses and tests for roads and highways. Our familiarity with standards and legislation as well as our experience in public, private and joint-sector projects across the globe enables us to provide you with industry foresight and best-in-class service to manage your risks and liabilities. Beyond having decades of international experience in the real estate and infrastructure sector, we are accredited according to ISO 17020 to conduct independent inspections of all the materials used and the quality assurance of your project.

Choose certainty. Add value.

TÜV SÜD is a premium quality, safety and sustainability solutions provider that specialises in testing, inspection, auditing, certification, training and knowledge services. Represented in over 800 locations worldwide, we hold accreditations in Europe, the Americas, the Middle East, Asia and Africa. By delivering objective solutions to our customers, we add tangible value to businesses, consumers and the environment.

Related services

TÜV SÜD provides the following related services:

- Services for bridges and engineering structures
- ISO 9001 – Quality management system certification
- ISO 14001 – Environmental management system certification
- OHSAS 18001 – Occupational health and safety management system certification
- Civil and structural engineering services
- Mechanical, electrical and plumbing (MEP) services