



INGENIEURBÜRO LOPP

Roadway construction and development

Roadway construction

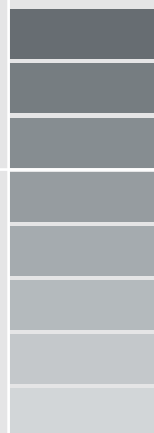
Complex development

Old town redevelopment

Supply and disposal facilities

Civil engineering work for traffic systems

Public space design



Roadway construction

- Federal roads/secondary roads
- Bypasses
- Inner-city roads
- Roundabouts
- Access roads
- Bicycle lane concepts including traffic planning

Mobility represents an important aspect of life nowadays. A prerequisite for this is an intact network of roads, which

offer optimal safety and functionality for all persons involved in road traffic.

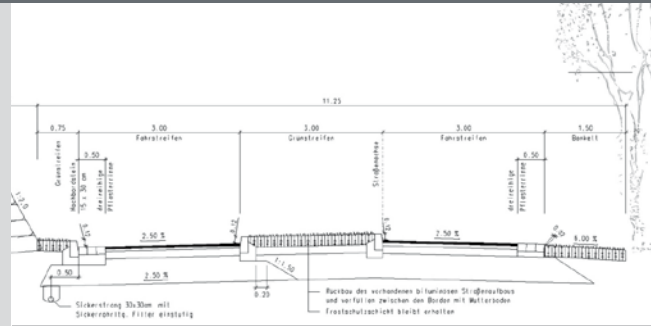
We take care of all services with regard to the planning and organization of renewal, extension and new construction of roadways.

Our goal is to harmonize the technical development of traffic systems, optimisation of routes and junction layout with the structural conditions and premises from nature conservation and protection of historical monuments.

Cross-town link Dornburg, Extension of L2303

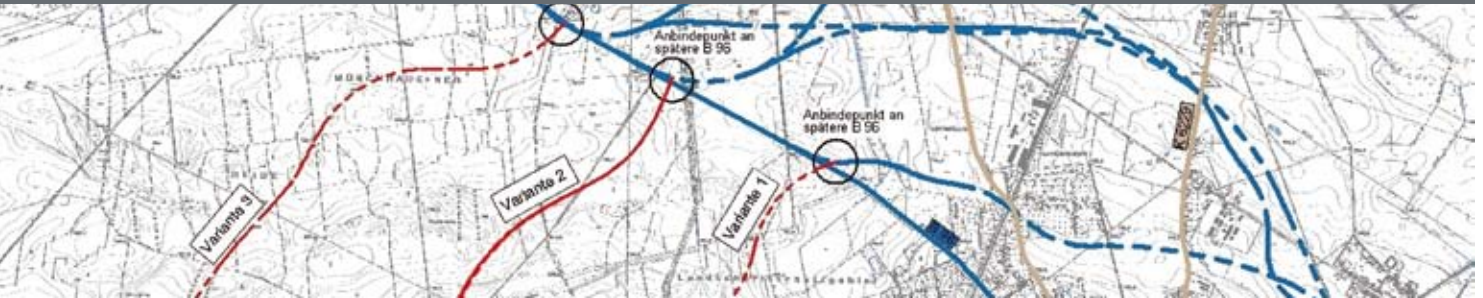


Site plan



Road cross-section

Finsterwalde Bypass



Roundabout in Köllda



The town of Köllda had a problem with the single-level intersection of two federal roads in a heritage-protected redevelopment area. After reviewing a number of variations, we selected a roundabout as the optimal solution for the square, which originally was complicated both for pedestrians and traffic alike.

This not only allowed for an uninterrupted flow of traffic while reducing pollution and noise; it also decreased the risks of accidents that motorists and cyclists face, while providing sufficient space for an oak tree growing on the square.

Complex development

When developing spaces in built-up areas, planned residential areas or commercial zones and the remodelling of old industrial sites, it is essential to ensure that preparation, planning and construction management are harmonized. Having successfully completed a wide variety of projects, we are experienced in the improvement and routing of potable water lines, gas lines, sewers, and electrical and telecommunications cables with subsequent layout of roadways and adjacent zones in problematic urban areas.

Our services range from reviewing a given situation, all surveying and planning services through to coordination and construction management. We strive to relieve owners from all problems that might occur while implementing complex measures as much as possible and to guarantee compliance with quality standards, deadlines and project budgets.

Development for industrial and public construction projects



Development of industrial park
Kölleda Kiebitzhöhe



Development of
DaimlerChrysler AG
Large-scale investment area



Development of the clinical centre
Sophie- und Hufeland-Klinikum in
Weimar

Development of residential areas



Residential area
„Linkersches Holz“ in Weimar



„neues bauen am horn“ in Weimar,
Site plan



Residential area
„neues bauen am horn“

Old town redevelopment

- Extension and remodelling of traffic systems
- Roadway drainage
- Lighting systems
- Pipelines
- Laying of natural stone materials (Large pavements, granite slabs and others)
- coordination of safety and health protection, route coordination, on-site building inspection

When redeveloping towns and villages, we focus primarily on preserving and the layout of historically developed

streets, squares and structures that have a particular familiarity for the locals and thus are recognized as home. We seek the link between territorially typical design elements and modern traffic planning, the compromise between preserving historical buildings and constructing new buildings.

Besides the design of pavement patterns and selecting the appropriate street systems, such as kerbs or gutters, other important and attractive details include elements like sitting areas, fountains, dry stone walls or greenery.

Dresden



Planning and design of the redevelopment area Dresden-Neumarkt (vicinity of the Frauenkirche)



Weimar



Design of „Platz der Demokratie“ (Place of Democracy) in conjunction with the construction of the underground storage area for the Anna Amalia Library

Rastenberg



Redevelopment of the marketplace



Construction of fountain

Kranichfeld



Redevelopment of the Kranichfeld castle hill

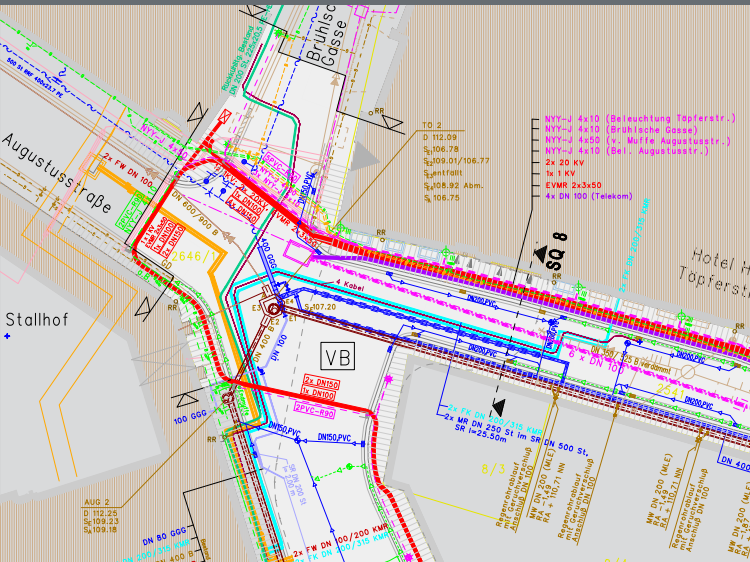
Supply and disposal systems



Installation of piping at Töpferstraße in Dresden

- Water supply
- Sewer systems
- Coordination of gas and electrical energy
- Telecommunications and data lines
- District heating and refrigeration
- Lighting installations

Roadway construction and development



Details from the coordinated site plan (Junction Augustusstraße)



Junction Augustusstraße in Dresden

Lighting systems



Industrial park
Kölleda Kiebitzhöhe



Puschkinstraße
in Weimar



Lighting in historic quarter
Dresden-Neumarkt



Eastern Market Place
in Weimar

Civil engineering work for traffic systems

- Planning of underground parking, bridges, retaining walls
- Support structure planning (statical analysis)
- Planning of remedial work
- Planning of rail traffic systems

Retaining walls, underground parking



Retaining walls on the premises of the clinical centre Sophien- und Hufeland-Klinikum in Weimar



Underground parking in residential area „neues bauen am horn“, Weimar



Snozzi wall in residential area „neues bauen am horn“ in Weimar (L: 250m, W: 1.60m, max. height: 5m)

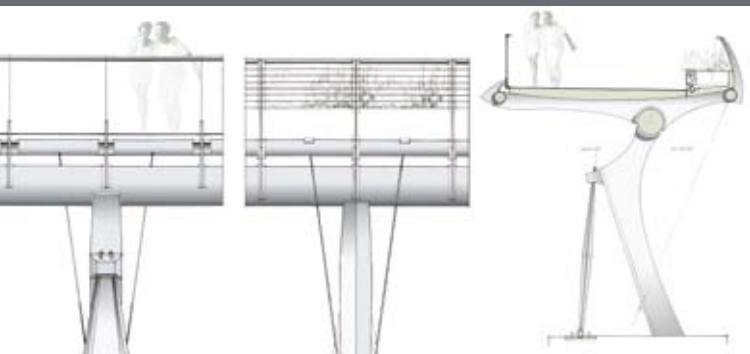


Retaining wall in the cross-town link in Utenbach (L: 75m, W: 1.14m, max. height: 3.26m)



Site and elevation plan Retaining wall in the cross-town link in Utenbach

Bridges, rail traffic systems



Construction of pedestrian and bicycle bridge with 25 m span length, Munich



Rail traffic system at Kölleda-Kiebitzhöhe Industrial Park

Public space design

- Neighbourhood layout
- Parking areas
- Sports facilities/courts, playgrounds
- Bus stations

Our mission is to create areas adjacent to streets, parking areas, pedestrian and resting zones, bicycle trails and green areas that are functional, aesthetic and ecologically compatible. That includes the realization of a creative unit between structures, public spaces and nature. Our range of services also includes landscape conservation support plans and open space plans.

Redesign



Open space design
Sophien- und Hufeland-Klinikum in Weimar



Open space site plan
Sophien- und Hufeland-Klinikum in Weimar



Parking areas and appurtenant structures
in the development area Weimar-Nord



Appurtenant structures of office building
at Freiherr-vom-Stein-Allee in Weimar



Bus stations



Weimar Bus Station

Construction management

- Site management
- Public building inspection
- Project management
- Coordination of safety and health protection on building sites
- Quality assurance during construction (BQK)
- Quality supervision during construction (BQÜ)

References

Roadway construction

- Kranichfeld - B87, cross-town link
- Kölleda - B85, B176, cross-town links, intersection design as roundabout
- Weißensee - L2133, from outskirts of Weißensee up to Leubingen (5 km)
- Döllstedt - L1027/L1042, bypass
- Utenbach - L1059, road expansion
- Bilzingsleben - L2088, extension of cross-town link
- Finsterwalde - B96/L60, bypass (4 km), regional planning procedure

Development

- Kölleda - Development of large-scale investment area Kölleda – Kiebitzhöhe including rail connection for DaimlerChrysler AG (65 hectares)
- Weimar - „neues bauen am horn“ in Weimar (10 hectares)
- Jena - Campus of Jena University of Applied Sciences (10 hectares)

Old town redevelopment

- Dresden - Redevelopment area Dresden-Neumarkt, vicinity of Frauenkirche (17.000 m²)
- Weimar - Platz der Demokratie (Plaza of Democracy) in conjunction with the extension of the Anna-Amalia Library
- Kranichfeld - Reconstruction of inner-city traffic systems, green areas, Wastewater and potable water lines, construction of new street lighting system
- Rastenberg - Reconstruction of marketplace, traffic systems, green areas, wastewater and potable water lines

Outdoor installations, parking areas

- Weimar - Sophien- und Hufeland-Klinikum Weimar, traffic systems, parking areas, outdoor installations
- Weimar-Nord - Neighbourhood layout, EXPO 2000 project
- Weimar - WEG Parkresidenz „Alexandra“ Humboldtstraße, residential streets and parking areas
- Dresden - Outdoor installations in the vicinity of the Frauenkirche (Dresden-Neumarkt)

INGENIEURBÜRO LOPP
Planungsgesellschaft mbH
Freiherr - vom - Stein - Allee 5
D-99425 Weimar, Germany

Phone: +49 - 36 43 - 54 31 - 0
Fax: +49 - 36 43 - 54 31 - 50
Email: weimar@lopp.de
Internet: www.lopp.de

Branch offices:

D-04109 Leipzig
Thomasiusstraße 2
Phone: +49 - 3 41 - 2 17 81 - 0
Fax: +49 - 3 41 - 2 17 81 - 25
leipzig@lopp.de

D-01067 Dresden
Münzgasse 2
Phone: +49 - 3 51 - 2 13 94 - 13
Fax: +49 - 3 51 - 2 13 94 - 15
dresden@lopp.de

Berlin
Cottbus
Halle/S.