When Lochmueller Group’s founders opened their doors, they dreamed of creating a company that could help communities and clients reinvent your future through thoughtful, actionable planning—planning based on your aspirations and supported by applicable data and the most accurate forecasting tools available.

Over time, the firm expanded to offer a wide range of services, so that today we can walk beside you each step of the way from planning through execution. This allows us to approach projects with a view to your overall goals, rather than as a series of unrelated assignments. By taking the larger view, we can often suggest alternative approaches that save time and money. These include environmentally sensible solutions, such as green infrastructure, that support long-term sustainability, while respecting limited budgets.

Our ability to assist you with comprehensive planning through construction engineering means we understand how decisions made today can impact your goals tomorrow. Planners, engineers, and environmental scientists regularly collaborate to take advantage of expertise in a wide range of planning, design, and constructability considerations; permitting; costs; and a host of other subjects.

In short, what drives us today is still what our founders envisioned over 30 years ago—helping you imagine and create plans and projects that optimize resources, realize your potential, and create a bright and prosperous future.
TRANSPORTATION PLANNING

Transportation investments are increasingly becoming catalysts for promoting more sustainable, livable communities. Conventional approaches that maximized mobility are being replaced by strategies that balance all modes and make all facets of daily life readily accessible to everyone.

This requires innovative planning techniques and customized solutions that address the challenges of today, while laying the groundwork for the opportunities of tomorrow.

Using state-of-the-art modeling tools, we can help you translate your transportation plans into future benefits.

- Long-Range Transportation Planning
- Community Transportation Planning
- Corridor/Complete Streets Planning
- Transit Planning
- Multi-Modal Planning
- Campus/Site Development Planning
- Travel Demand Modeling
- Traffic Simulation Modeling
- Transportation Forecasting
- GIS/Resource Management

HIGHWAY & ROAD DESIGN

Building and maintaining an efficient network of roads and highways is vital to support the needs of businesses and communities. Road and highway projects are expensive and time intensive, however, and can pose complex challenges such as maintenance of traffic or land acquisition.

We’ve found the best way to maximize value and avoid headaches is to develop integrated partnerships between the various disciplines required throughout the process. When experts from various disciplines understand and appreciate each other, they become more aware of how minor changes can eliminate or reduce right-of-way, environmental, or utility impacts. In this way, we not only optimize design, but proactively address issues involving third parties, such as utilities, property owners, or permitting agencies that can result in unexpected delays or cost.

- Urban/Residential Street Design
- Complete Streets
- Highway/Freeway Design
- Interchanges
- Streetscape
- Signage, Striping & Pavement Markings
- Traffic Signals & Signal Systems
- Roundabouts
- Utility Coordination
- Drainage
- GIS/Resource Management

BRIDGE & STRUCTURES

As local and state agencies struggle to find the funds to ensure the safety of thousands of our nation’s bridges, it’s become increasingly important to identify practical, cost-effective solutions that don’t compromise quality.

Our experience in the design of hundreds of bridges has taught us that the first step in optimizing your budget involves thoroughly understanding project needs, verifying current conditions, and assessing all potential solutions. Time and time again, we find a little more effort and time invested up front can yield big savings throughout the life of the project.

We also routinely provide safety inspections for compliance with National Bridge Inspection Standards. Not only do these inspections identify structures with critical needs, but they provide you with a valuable tool for clients to use in planning resource allocation for bridge improvements.

- Design/Build
- Bridge Inspection
- Bridge Replacement
- Bridge Rehabilitation
- Historic Bridge Rehabilitation
- Overpasses & Interchanges
- Retaining Walls
- Drainage Structures
- Railroad Bridges
- Load Rating
- GIS/Resource Management

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Traffic Engineering

Successful traffic engineering comes down to understanding the relationship between people and transportation systems. What factors influence motorists' decisions on travel modes and routes? How will new developments influence people's travel habits? How can the design of a street system improve safety, economic development, and/or quality of life? How can signal systems be coordinated to reduce delays, pollutant emissions, and motorist frustration?

New tools paired with unparalleled experience allow us to better predict behaviors and evaluate their impacts to develop more realistic, reliable solutions. Whether your goal is developing a new transportation corridor or maximizing the safety and efficiency of an existing facility, we can help you steer your project in the right direction.

Land Acquisition

Whether it's to widen a road, develop a commercial site, construct a pipeline or create a utility corridor, land acquisition is all about clarity, communication, and timeliness. This is truer than ever, thanks to the trend toward faster project delivery.

Depending upon the funding source and type of acquisition, complex regulations often govern what, when, and how to communicate with property owners.

That's why we not only stay up on the ins–and–outs of land acquisition regulations to avoid common issues that may cause delays or derail projects, but understand how they can impact design, schedule, and budget.

Environmental Services

Navigating the growing and constantly changing world of environmental regulations requires not only understanding how projects impact plant and animal species, but the creativity to find solutions that balance the needs of both the human and natural environments.

Our ability to provide successful environmental analysis and documentation has made us a go-to source for not only environmental services, but also for training and educational materials for agencies, designers, and contractors on environmental documentation, permitting, and endangered species.

- NEPA Studies & Documentation
  - Environmental Impact Statements
  - Environmental Assessments
  - Categorical Exclusions
- Indirect & Cumulative Impacts
- Socioeconomic/Community Impacts
- Noise Analysis Modeling
- Section 106 of NHPA for Historic Structures & Archaeological Sites
- Section 4(f) Documentation
- Stream & Wetland Services: Assessments, Permitting, Mitigation & Restoration
- Karst Studies
- Environmental Field Surveys
- Threatened & Endangered Species
- Erosion & Sediment Control
- Stormwater Permitting
- GIS/Resource Management
- Abstracting
- Analyzing Property Lines
- Evaluating Existing Land Rights
- Existing Road Right–of–Way Analysis
- Legal Descriptions
- Right–of–Way Parcel Plats
- Staking Right–of–Way
- Appraisals & Review Appraisals
- Negotiations
- Relocations
- GIS/Resource Management
- Traffic Impact Studies
- Traffic Signal Timing/ Optimization
- Traffic Signal & ITS Design
- Safety Studies
- Parking Studies
- Intersection Design Studies
- Site Access Planning
- Feasibility Studies
- Access Management Planning
- Roundabout Analysis & Design
- Traffic Calming Solutions
- GIS/Resource Management

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As one of the most essential components of life, clean water is something often taken for granted. Yet, as existing distribution networks and treatment plants age, populations shift and demand increases. Making sure water is affordable and readily available when and where you need it is a growing concern.

Whether you need a new facility or improvements to an old facility, we have the expertise to apply best practices to deliver the best value for your project.

For over 20 years, our experts have led the way in the development of green solutions proven to provide a cleaner, better environment, while cutting energy consumption, chemical usage, construction costs, and operations and maintenance needs.

When it rains, it pours. Flooding and drainage issues were challenging enough when you just had to contend with Mother Nature. Now water quality concerns add to the challenge. But Mother Nature also offers cost–friendly ways to capture and treat run–off.