

EXCELLENCE

FROM START TO FINISH



 **Pars Consulting Engineers, Inc.**
Overland Park, Kansas



LYDIA BRIDGE OVER INDIAN CREEK



115TH STREET AND OUTLOOK DRIVE



CULVERT AT 155TH AND LUMKINS FORK

PROFESSIONAL ENGINEERING SERVICES AND ADMINISTRATIVE MANAGEMENT

PLANNING AND MANAGEMENT STUDIES

- Transportation planning and management
- Major investment studies
- ITS (Intelligent Transportation Systems)
- Incident management
- Master planning, capital improvement programming

TRANSPORTATION ENGINEERING

The application of the latest technologies and scientific principles for the planning, functional design, operation, and management of facilities, for any mode of transportation.

TRAFFIC ENGINEERING

Planning, geometric design and traffic operations of roads, streets and highways.

TRANSPORTATION SYSTEMS MANAGEMENT (TSM)

Application of the latest methods and technologies for increasing the efficiency and capacity of existing facilities and rights of way. (Better use of existing resources rather than planning on major new construction and right of way).

CONSTRUCTION

Administration, inspection and supervision, management, surveying, staking and as-built plans.

TRAFFIC AND TRANSPORTATION STUDIES, ANALYSIS AND DATA COLLECTION

- Traffic volume studies
- Transportation system impact studies
- Traffic engineering and analysis, and operational studies
- Traffic safety analysis interchange concept studies
- Highway capacity and level of service analysis
- Pedestrian studies
- Parking studies and design
- Network planning and traffic assignment studies

PRELIMINARY AND FINAL DESIGN

- Street and highway design
- Development of short and long range transportation comprehensive plans
- Railroad crossing design
- Traffic signing, and pavement marking design
- Traffic signal design
- Airport design
- Freeway congestion management
- Site Development
- Reconstruction, rehabilitation, resurfacing, restoration, widening, new road
- Traffic control plans (permanent and construction)
- Highway intersection design
- Roundabout design



39TH STREET AND PROSPECT



I-29 AND BARRY ROAD



LYDIA BRIDGE OVER INDIAN CREEK

- Parking study and design
- Land development design, studies and economic analysis
- Sanitary sewer design
- Storm sewer design and hydraulic system evaluation
- Bridge and culvert design

ROADWAY MANAGEMENT SYSTEM (RMS)

Pavement management system, bridge management, culvert management, sign management, maintenance management, pavement marking management, and water and sewer management with GIS interfaces.

- Pavement condition survey
- Pavement material and pavement design technology

PAVEMENT DESIGN, MAINTENANCE AND PAVEMENT MANAGEMENT SYSTEM

Our staff's capability in pavement design, maintenance and pavement management system includes the following types of projects:

- Pavement design and maintenance
- Pavement management system
- Pavement condition survey
- Asphalt testing / asphalt chemistry
- Pavement construction and inspection
- Resurfacing / restoration
- Computer simulation/model building

ELECTRICAL ENGINEERING

- Lighting: Low voltage, neon, line voltage, show/theme, fiber optic, signage, airport lighting and signage
- Power: Medium voltage, distribution, generation, substation, primary distribution, co-generation, Supervisory Control And Data Acquisition Systems (SCADA), emergency and standard power, airport electrical vaults
- Special Systems: Robotics and factory automation, energy and facilities management data system, grounding, and product development

MECHANICAL AND INDUSTRIAL ENGINEERING

- Automated monitoring and controls
- Instrumentation and controls
- Plant layout
- PLC programming
- Facility removal and expansion

OTHER AREAS OF EXPERTISE AND EXPERIENCE ARE

- Operation research and statistics

MINORITY BUSINESS ENTERPRISE (MBE)

- Certified by the City of Kansas City, MO.
- Certified by the State of Missouri
- Certified by the State of Kansas
- Certified by the Kansas and Missouri Departments of Transportation

ABOUT PARS CONSULTING ENGINEERS, INC.

Pars Consulting Engineers, Inc., is organized and equipped to provide innovative, multidisciplinary approaches and qualified technical expertise to the solution of a wide variety of problems which may arise in business, industry, and government. The firm's capabilities are based on the professional training and experience of a small staff holding primarily Masters or Doctoral level degrees in fields including Electrical, Civil, Traffic, Transportation Planner, Structural, Mechanical, Environmental, Economics, Construction Management and Planning with the ability to call additional staff, including other consultants and specialist, when needed.

Founded in 1995 by Dr. Rafie Hamidpour, Pars Consulting Engineers, Inc., seeks to solve the clients problems responsively, and cost effectively, and at a reasonable cost, with particular attention to professional ethics.



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