



“Willdan offers comprehensive traffic engineering services from studies and analysis through design and construction”

Studies and Analysis

- Traffic impact analysis
- Traffic impact fee development
- Parking, circulation, crosswalk and school-area safety studies
- Suggested route to school studies
- Pedestrian studies
- Engineering and traffic surveys

City Traffic Engineering

- City Traffic Engineer staffing
- Grant applications to state and federal agencies
- Operation and roadway improvements
- Work area traffic control training

Traffic Design and Operations

- Traffic signal control system design, implementation, and operation
- Signal Interconnect Design
- Computer-assisted traffic signal coordination timing
- Engineering and traffic surveys
- Geometric design
- Commuter rail projects
- Transportation modeling
- Bus transit systems
- Traffic signal, signing and striping, design projects (Using both AutoCAD and MicroStation software)
- Street lighting systems

Willdan specializes in providing traffic engineering and planning services

to governmental agencies. Our services range from responding to citizen complaints to designing and managing multimillion dollar capital improvement projects. Currently our staff serve as contract City Traffic Engineers for approximately 40 cities in the Southwest. Our front-line knowledge and understanding of local road and traffic conditions are the cornerstone of our services.

Willdan’s traffic engineering staff applies state-of-the-art concepts to confirm the adequacy of transportation facilities, to determine the need for traffic control devices, and to ensure the safe and efficient operation of the transportation system. Our staff of experts conducts traffic surveys and data collection, investigates motorist and vehicle characteristics—identifying and making recommendations on traffic safety, utilizes traffic laws and enforcement to determine traffic signal timing, and evaluates highway operations.

Willdan prepares traffic engineering designs to warn, regulate, and guide traffic. We develop geometric design and channelization, traffic signal and street lighting plans, parking lot designs, and develop traffic control plans for construction.



Willdan has had two primary objectives since our inception in 1964—ensuring the success of our clients and enhancing our surrounding communities. Working steadily toward these goals we gained a notable reputation for technical excellence, cost effectiveness, and client responsiveness in providing superior engineering and planning consulting services. In recent years Willdan has expanded our service offerings into several vital areas including financial and economic analysis, homeland security, environmental remediation, and sustainability. We have crafted this set of integrated services so that, in the face of our evolving environment—whether economic, natural, or built—Willdan can continue to extend the reach and resources of our clients.

Willdan Engineering offers a full complement of professional engineering and planning consulting services that encompass city and special district engineering, municipal planning, plan checking, building and safety, program/construction management, public works inspection, disaster recovery, survey and mapping, geotechnical and earthquake engineering, and infrastructure design. Our infrastructure design capabilities are wide-ranging and include traffic and transportation, water resources, flood control and drainage, structures, and landscape architecture. Unique to Willdan is our understanding of public agency needs and issues. Willdan professionals often serve to extend our clients' staff in the capacity of city engineers and other public agency positions. Additionally, many provide the added value of having served in public agency management positions prior to joining Willdan. With this depth of experience, expertise, knowledge, and resources, Willdan offers comprehensive solutions that are timely, cost effective, and tailored to meet the needs of individual communities.

Willdan Engineering
2401 East Katella Avenue, Suite 300
Anaheim, California 92806

800.424.9144 | www.willdan.com

City of Lakewood, On-Call Traffic Engineering Services, Lakewood, California

Willdan provides on-call traffic engineering services to the City of Lakewood, California. In addition to general traffic engineering services, Willdan processes citizen's requests, and patron's plan and development review. Willdan also provides supportive traffic engineering services under the direction of the Director of Public Works, such as preparation of traffic signal, traffic control, signing and striping plans, preparing warrant analysis, and traffic inventory reports as well as development of the street sweeping program and parking studies.

City of Moreno Valley, Traffic Signal and Street Improvement for Day Street, Moreno Valley, California

Willdan's traffic engineers prepared plans, specifications, and estimates (PS&Es) for the traffic signal and street improvements for Day Street and Dracaea Avenue. The scope of work included utility coordination, legal deeds, topographic survey, environmental processing, traffic signal, signing and striping and street improvement plans, potholing, and geotechnical and project report.

County of Los Angeles, Traffic Engineering Services, Los Angeles, California

Willdan provided traffic engineering services to the County of Los Angeles to prepare traffic signal plans, drawings, and traffic operation analysis for 31 traffic signals along Anita Street/190th Street/Victoria Street between Pacific Coast Highway and Wilmington Avenue. Some of the services included traffic signal design, conceptual traffic signal and roadway design, signing and striping plans, specifications, cost estimates, utility coordination, conducting traffic investigations, field surveys of existing traffic conditions, traffic sounds, pedestrian movement counts, traffic collision analysis, and other traffic engineering and traffic design services.

City of Fontana, Alder Avenue Improvements, Fontana, California

Willdan prepared street and traffic signal improvement plans and an engineering construction estimate for the locations of Alder Avenue/Merrill Avenue and Alder Avenue/Randall Avenue. Our services included preparing plans for traffic signal, storm drain, street, and signing and striping. Other services included utility coordination, topographic survey, legal description with plat, potholing, and assistance during advertisement and bidding. The project consisted of widening each intersection to the ultimate improvement for the traffic signal installation and future traffic growth due to the I-210 freeway opening.



*City of Lakewood, On-Call
Traffic Engineering Services,
California*



*County of Los Angeles,
Traffic Engineering Services,
190th Street, California*

