



*“Willdan’s transportation-related projects total more than \$750 million in construction costs.”*

#### **Airport Engineering**

- Runway and Taxiway Design
- Runway Modifications
- Drainage Improvements
- Drainage On-site/Off-site
- Geology and Geotechnical
- Signing and Striping
- Pavement Management and Rehabilitation
- Roadway and Parking Lot Lighting Design
- Roadway Design
- Taxiway and Apron Improvements
- T-Hangers
- Utilities

#### **Airport Planning and Entitlements**

- Circulation and Traffic Studies
- Financial Management
- Grant Administration
- Grant Procurement
- Master Plans

#### **Highway Engineering**

- Project Approval Documents
- Freeway Interchanges
- High Occupancy Vehicle Lanes
- Highway and Bridge Design
- Local Streets and Roads
- Pavement Management and Reconstruction
- Noise Barriers
- Seismic Retrofitting
- Transportation Planning

#### **Rail Engineering**

- Railroad Grade Separations
- Transit Engineering

**Willdan’s transportation engineering team has the expertise** to solve today’s sophisticated and varied transportation challenges. By offering turnkey services, we are able to handle the design and operational challenges of all levels of transportation projects, from residential streets to interstate highways. To ensure a unified and cohesive approach, Willdan provides in-house staff capabilities with a full spectrum of support functions, including right of way, utility relocation, landscape, survey and mapping, geographic information systems, public outreach, and interagency coordination.

Willdan’s transportation team provides expert consulting and design services on complex projects, including airports, major highway facilities, bridges and structures, and urban rail transit systems. Our diverse and growing client list includes local public works agencies, planning and redevelopment agencies, regional and state transportation agencies and commissions, transit districts, ports, railroads, and airports.

Among our many areas of expertise are pavement management systems, street and bridge widening, freeway interchanges, carpool lanes, seismic retrofit and congestion management programs, rail transit, commuter rail and high-speed rail systems.



**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**  
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**Newhall Land and Farming, Magic Mountain Pkwy/I-5 Interchange, Santa Clarita, California**—Willdan provided civil, structural, traffic, and right-of-way design, geotechnical engineering, and landscape architecture services for Phase 2 – the reconstruction of four freeway ramps, a new auxiliary lane, widening and improvements for Magic Mountain Parkway, and realignment and widening of the Old Road. The design met the standards and requirements of Caltrans, the City of Santa Clarita, and the County of Los Angeles.

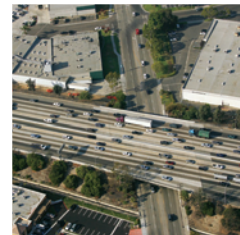
**Orange County Transportation Authority, State Route 91 Widening/HOV PS&E, Orange County, California**—Willdan prepared complete PS&E documents and provided construction support for the addition of HOV lanes in each direction on State Route 91 through the Cities of La Palma and Buena Park. The project involved widening seven undercrossings and slope removal and retention for one overcrossing.

Innovative falsework designs were utilized for several of the undercrossings in an effort to meet temporary vertical clearance requirements while maintaining existing local traffic flow under the bridges.

**City of Lancaster, Avenue I/State Route 14 Interchange, Lancaster, California**—Willdan prepared a PR/ED and PS&E for this project that included the widening of Avenue I under State Route 14, a new southbound off-ramp, widening of the remaining ramps, drainage improvements, and undergrounding of overhead utilities. One new bridge, two tieback retaining walls, standard retaining walls, a storm drain, and two traffic signals were included.

**City of Sacramento, Two Rivers Bicycle/Pedestrian Trail, Sacramento, California**—Willdan provided design engineering services for the Two Rivers Bicycle/Pedestrian Train. This bicycle trail is approximately 2 miles in length along the highly-scenic and environmentally sensitive lower American River. It was a key element of the City of Sacramento's Bicycle Plan and serves as an element of the American River Bike Trail system.

**City of Agoura Hills, US 101/Kanan Road Interchange, Agoura Hills, California**—The City of Agoura Hills was experiencing significant traffic congestion in and around the Kanan Road/U.S. 101 interchange. When a development was proposed in the northeast quadrant of the interchange, the City desired to mitigate current and future deficiencies by improving the interchange and Canwood Street. Willdan prepared a PSR, and the PR/ED and PS&E for the interchange improvements. The design conformed to Caltrans standards, considered right-of-way and utility impacts and costs, and provided improved traffic levels of service for intersections and roadway links.



*Orange County Transportation Authority (OCTA)  
SR-91 Widening/HOV PS&E*



*City of Santa Clarita  
Magic Mountain Pkwy/  
I-5 Interchange*

