



### **Impact Studies**

DKS Associates' planners and engineers analyze the traffic impacts of proposed developments including office, residential, commercial, educational, medical, retail and other land uses, as well as mixed-use developments. Our engineers research existing conditions, conduct field investigations and apply the latest analytical tools, techniques and software to develop reliable assessments of traffic impacts. We provide recommendations for practical/executable solutions and innovative mitigation plans.

### **Traffic Operations**

DKS staff members analyze traffic operations on streets, highways and freeways using a variety of software tools. Our engineers develop measures that improve circulation, increase safety and conserve fuel. Our studies incorporate and coordinate the varied needs of all modes of transportation including autos, trucks, bicycles, buses, pedestrians and trains. We plan high occupancy vehicle systems, examine light rail and bus transit operations, analyze intersections and streets, implement coordinated traffic signal timings and recommend techniques to improve roadway capacity.

### **Traffic Facility Analysis and Design**

Our engineers analyze and design a wide variety of traffic facilities including traffic signal and traffic control systems, interchanges, roadways and freeway management systems. We employ traditional capacity analysis techniques as well as state-of-the-art traffic simulation tools. In addition to completing initial analyses and feasibility studies, DKS engineers prepare plans, specifications and cost estimates, and manage construction for traffic facilities.

### **Traffic Calming**

DKS works with local agencies and neighborhood groups to analyze and design neighborhood traffic management plans and traffic calming devices to protect localities from auto traffic while creating more pleasant and safer environments for walking and bicycling. Treatments such as roundabouts, stop signs, speed bumps, diverters and chokers are utilized to improve both urban and suburban neighborhoods.

### **Traffic Management Specialties**

DKS designs construction traffic control, traffic maintenance, street lighting, and signing and striping plans. Our experience includes traffic safety studies, accident analyses, speed limit studies, neighborhood traffic management plans, traffic calming plans, commercial vehicle operations analyses, incident management analyses and congestion mitigation.



#### **Traffic Engineering**

*Intelligent  
Transportation Systems*

*Traffic Control Systems*

*Traffic Signal Design*

*Transportation Planning*

*Transit*

*Parking*

*Civil Engineering*

*Homeland Security*