



TRANSPORTATION **Planning & Engineering**

Data-driven studies, practical mitigation and integrated project strategies that help clients reduce risk and move from analysis to action.

OUR ADVANTAGE

EPD provides transportation planning and engineering services that help clients identify constraints early, respond to agency requirements, and keep projects moving. We prepare clear, defensible, transportation studies for public agencies and private developers across industrial, retail, mixed-use, residential, and institutional projects.

Our value goes beyond technical analysis. By connecting transportation work to land use, environmental (CEQA/NEPA) review, and entitlement strategy, we help clients reduce risk, avoid surprises, improve agency coordination, and advance projects with a clearer path to approval.

We're known for



**Clear
Communication**



**Strong Regulatory
Relationships**



**Defensible
Technical Analysis**



**Complex
Project Delivery**

PLANNING, STUDIES & DUE DILIGENCE

Transportation Impact Studies

Vehicle Miles Traveled
(VMT) Analyses

Wildfire Evacuation Studies

Drive-Through &
Gate Queuing Analyses

Parking Studies
& Site Access Planning

Site Access & Circulation Studies

Transportation
Due Diligence Assessments

School Circulation Studies

TRAFFIC OPERATIONS & MODELING

Travel Demand Modeling

Traffic Operations Analyses

Truck Turning Templates

Roadway Safety Analysis

Roundabout Analysis

Signal Timing & Operations

TRAFFIC DESIGN

Intersection Analysis & Design

Roadway & Improvement Plans

Signing & Striping Plans

Traffic Control Plans

Traffic Signal Design

Intelligent Transportation
Systems (ITS) Plans

Sight Distance Analysis

TRANSPORTATION Planning & Engineering



OUR TEAM

EPD's transportation team combines licensed Traffic Engineers, transportation planners, and modelers who specialize in delivering both high-level planning analyses and detailed operational studies. Our work is tailored to the needs of each jurisdiction and fully aligned with CEQA Guidelines, NEPA Guidance & Requirements, SB 743 Requirements, Highway Capacity Manual (HCM 7th Edition) methods, and local transportation analysis guidelines.

With over 40 years of combined experience, our team works seamlessly with environmental and planning professionals to deliver complex, multidisciplinary projects.

OUR TECHNOLOGY

Our staff are proficient in Vistro, Synchro, TransCAD, AutoCAD, SIDRA and ArcGIS, and routinely apply these tools to a wide range of project types, from residential, commercial and industrial developments to General Plan amendments and Specific Plans.

By integrating our understanding of entitlement procedures, CEQA/NEPA compliance, and development timelines, EPD offers more than just technical reporting; we offer forward-thinking solutions that support planning, engineering, and community engagement objectives.

OUR INNOVATION

Our commitment to innovation has led to the development of custom studies, proprietary datasets, and software tools that improve efficiency, accuracy, and value.

Proprietary Tools

Our internally developed, web-based *Trip Gen Tool*, compiles rates and vehicle trip splits from ITE, WRCOG/TUMF, and SCAQMD. The tool streamlines trip generation analyses—especially for cumulative scenarios of 40+ projects—by ensuring correct application of rates, eliminating manual errors, and reducing turnaround times.

Mitigation by Design

EPD's technical practice is built around the philosophy of "mitigation by design"—identifying potential impacts early, collaborating with project teams to integrate design features that reduce environmental effects, and proactively coordinating with agency staff to ensure that studies meet expectations before formal submittal.

Across all technical disciplines, EPD emphasizes alignment with adopted plans, consistency with local policies, and a balanced assessment of project-scale impacts and cumulative conditions.

OUR ENGAGEMENT

EPD Solutions actively supports leading industry organizations. Our team participates at all levels, with multiple staff serving in leadership roles and helping shape policy, advance professional education, and drive best practices statewide.

- **American Planning Association (APA)**
- **Association of Environmental Professionals (AEP)**
- **Institute of Transportation Engineers (ITE)**
- **Commercial Real Estate Development Association (NAIOP)**
- **Orange County Traffic Engineering Council (OCTEC)**
- **Urban Land Institute (ULI)**



Contact Us

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WHERE EXPERIENCE AND PASSION MEET