

CURRICULUM VITAE

Larry D. Hail, C.E., T.E., P.T.O.E.
- Traffic and Civil Engineer -

CAREER SUMMARY

Mr. Larry D. Hail has 29 years of professional experience in the traffic engineering industry and founded Pinnacle Traffic Engineering in 2003. An expertise in traffic engineering has been gained through the completion of hundreds of transportation planning studies and traffic engineering design projects. Transportation planning studies have been conducted for various levels of environmental assessment documentation, and included the evaluation of circulation, parking, and pedestrian and bicycle safety. Design projects completed include the design of traffic signal systems, and roadway and intersection improvements (paving, drainage, signing, striping and pavement markings). Traffic control plans have been prepared for a variety of construction projects. Mr. Hail also provides peer review and construction support services.

AREAS OF EXPERTISE

- Traffic Impact Analyses, Circulation, Access, Parking and Safety Studies
- Traffic Signal, Roadway, Intersection, Access and Site Design
- Construction Plans, Specifications and Estimates (PS&E)

PERSONAL AND PROFESSIONAL SKILLS

- Excellent Written and Oral Communication Skills
- Interaction with Development Clients and Local and State Public Agency Representatives
- Ability to Define Key Project Issues and Develop Alternatives and Solutions

EDUCATION

Oklahoma State University; Stillwater, Oklahoma
Bachelor of Science in Civil Engineering (BSCE) - May 1987

PROFESSIONAL REGISTRATIONS

California Registered Professional Civil Engineer (C.E. #53,279)
California Registered Professional Traffic Engineer (T.E. #2,372)
Professional Traffic Operations Engineer (P.T.O.E. #2,163)

PROFESSIONAL ORGANIZATIONS

Institute of Transportation Engineers (ITE)
Orange County Traffic Engineer's Council (OCTEC)
American Society of Civil Engineers (ASCE)

DEPOSITIONS IN LAST 5 YEARS - 1 (November 2011)

EMPLOYMENT HISTORY

Pinnacle Traffic Engineering; Hollister, Goleta, and Orange, CA (July 2003 - Present)

Owner, President and Principal Engineer - Manages and oversees day-to-day operations for services in Northern California, the California Central Coast, and Southern California. Duties involve all aspects of client relations, proposal production, contract administration, defining services scope, project scheduling, and project completion. Project completion tasks include conducting analyses, preparation of technical reports, layout and design of improvements, and preparation of construction Plans, Specifications & Estimates (PS&E).

Rick Engineering; Lake Forest, CA (October 2010 - March 2013)

Principal Traffic Engineer - Managed day-to-day operations for the traffic engineering services for the Central Coast and Orange County offices. Duties involved proposal production, project scheduling, management of staff, and project completion. Project tasks included conducting analyses, preparation of technical reports, layout and design of improvements, and preparation of construction Plans, Specifications & Estimates (PS&E).

Keith B. Higgins & Associates; Gilroy, CA (April 1997 - June 2003)

Principal Associate - Managed design department, including preparation of proposals and design studies, and development of construction Plans, Specifications & Estimates (PS&E). Responsibilities also included scheduling of projects and management of staff. Professional peer review and construction support services were also performed.

Shafer, Kline & Warren; Kansas City, KS (December 1995 - March 1997)

Project Design Engineer - Managed a project design team responsible for the production of construction Plans, Specifications & Estimates (PS&E) for roadway and highway widening improvement projects. Provided a majority of the firm's traffic engineering services for five (5) offices, as well as prepared construction Plans, Specifications & Estimates (PS&E) for traffic signal improvement projects.

Flowers & Associates; Santa Barbara, CA (December 1994 - November 1995)

Assistant Design Engineer - Performed various engineering tasks on roadway and utility infrastructure improvement projects. Tasks included performing project calculations and the preparation of construction Plans, Specifications & Estimates (PS&E).

Associated Transportation Engineers; Santa Barbara, CA (September 1990 - November 1994)

Associate Transportation Engineer - Conducted transportation planning analysis and prepared technical reports. Provided assistance in the design and preparation of construction Plans, Specifications & Estimates (PS&E) for traffic signal improvement projects.

EMPLOYMENT HISTORY (CONTINUED)

Thomas S. Montgomery & Associates; Ventura, CA

Associate Transportation Engineer (June 1987 to August 1990) - Managed the collection of traffic data and preparation of transportation planning studies. Duties included performing project study calculations and preparation of technical reports.

Traffic Engineer Intern (June 1986 - August 1986) - Performed various data collection tasks and assisted in the production of transportation planning studies.

U.S. Army Corps of Engineers; Tulsa, Oklahoma (June 1985 - August 1985)

Civil Engineer Intern - Worked in the Hydrology and Hydraulics department performing storm water run-off model runs for public protection improvement projects.

CONTACT INFORMATION

Pinnacle Traffic Engineering

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Goleta, CA 93117

(805) 644-9260

3419 E. Chapman Ave., No. 420

Orange, CA 92869

(714) 801-9260

CONTINUING EDUCATION COURSES

- Fundamentals of Traffic Engineering (1988) - Institute of Transportation Studies (ITS)
- Transportation Planning Models and Software Applications (1988) - ITS / UC Extension
- SYNCHRO Traffic Signal Analysis Software Training (1996) - University of Kansas Ext.
- Advanced Project Management (2001) - Zweig White Professional Consultants
- Achieving Excellence and Safety in Roundabout Design (2004) - ITS
- Safe Routes to School (2007) - Institute of Transportation Engineering (ITE) Webinar
- Using a Knowledge-Based System to Establish Speed Limits (2007) - TRB Webinar
- Current Practice for Signing and Marking Near Schools (2008) - ITE Webinar
- New Approach of Traffic Signal Timing Education and Training (2009) - ITS Webinar
- Advancing Traffic Signal Management Programs (2009) - ITS Webinar
- Roadside Design Online Course (2009) - ASCE Webinar Course Series
- Roundabouts: State of the Practice (2009) - ITE Meeting Technical Session
- Pedestrian and Bicycle Design and Operations (2009) - ITE Meeting Technical Session
- Road Departure Issues and Counter Measures (2009) - ITE Meeting Technical Session
- Using Crash Data in Transportation Safety Studies (2009) - ITE Meeting Technical Session
- Advance in Highway Rail Grade Crossings Safety (2009) - ITE Meeting Technical Session
- Work Zone Safety Advancements (2009) - ITE Meeting Technical Session
- Flashing Yellow Arrow for Left Turns, Why and How (2009) - ITE Meeting Tech. Session
- A Series of Case Studies, Safe or Unsafe (2009) - ITE Meeting Technical Session

CONTINUING EDUCATION COURSES (CONTINUED)

- Introduction to the Highway Safety Manual (2009) - ITE Meeting Technical Session
- MUTCD 2009: Pedestrians and Bicyclist (2010) - ITE Webinar
- I-Mobility: How Technology & Innovation are shaping our Future Transportation Systems (2011) - Southern California Transportation Coalition Summit
- Solving the First and Last Mile Connection: Sustainable (2011) - Southern California Transportation Coalition Summit
- Engaging Policy Makers to Support Operations Plenary (2012) - ITE Conf. Tech. Session
- Leadership Development Seminars (2012) - ITE Conference Technical Session
- Innovations in States and Provinces Plenary (2012) - ITE Conference Technical Session
- Official Launch of Trip Generation in the Cloud (2012) - ITE Conf. Technical Session
- Innovations in Local and Regional Agencies Plenary (2012) - ITE Conf. Technical Session
- Integrating Travel Demand Management into Operations (2012) - ITE Conf. Tech. Session
- Pedestrian Safety (2012) - ITE Conference Technical Session
- Adaptive Signal Control Technology (2012) - ITE Conference Technical Session
- Technology's Role in Operations Plenary (2012) - ITE Conference Technical Session
- Practices to Manage Traffic Sign Retro-reflectivity (2012) - TRB Webinar
- Transportation Capacity (2012) - ITE Western District Annual Meeting Technical Session
- New Applications for Crash Studies (2012) - ITE Western Dist. Annual Mtg. Tech. Session
- Innovation in Design (2012) - ITE Western District Annual Meeting Technical Session
- Traffic Control (2012) - ITE Western District Annual Meeting Technical Session
- Traffic Signals I (2012) - ITE Western District Annual Meeting Technical Session
- Bicycle Planning (2012) - ITE Western District Annual Meeting Technical Session
- Traffic Safety I (2012) - ITE Western District Annual Meeting Technical Session
- Traffic Signals II (2012) - ITE Western District Annual Meeting Technical Session
- The Holy Grail: Moving Goods Using Low & Zero Emission Technology (2012) - Southern California Transportation Summit
- Alt. Fuel Vehicles: Myth Verses Reality (2012) - Southern California Trans. Summit
- Adaptive Signal Control Initiatives & Validation Program (2012) - US DOT / ITS Webinar
- Integration of Transit into Traffic Operations (2012) - ITE Webinar
- Transportation Data Visualization: Innovations in Performance Measurement & Real-Time Situation Awareness (2012) - US DOT / ITS Webinar
- Law School for Engineers (2013) - ASCE Professional Development Course (SEAK, Inc.)
- Guidance Tool for Implementation of Traffic Incident Management Performance Measures NCHRP 07-20 (2014) - US Department of Transportation T3 Webinar Program
- How to Start, Build & Run a Successful Expert Witness Practice (2015) - SEAK Inc.
- Roles of Transportation Management Centers (TMC) in Incident Management on Managed Lanes (2015) - US Department of Transportation T3 Webinar Program
- Tools for Analysis of Capacity and Efficient Flow for Roundabout Design Part I (2015) - Transportation Research Board (TRB) Webinar

CONTINUING EDUCATION COURSES (CONTINUED)

- Tools for Analysis of Capacity and Efficient Flow for Roundabout Design Part II (2015) - Transportation Research Board (TRB) Webinar
- Tools for Analysis of Capacity and Efficient Flow for Roundabout Design Part III (2015) – Transportation Research Board (TRB) Webinar
- Fundamental Issues in Road Transport Automation (2015) - US DOT / ITS Webinar
- Traffic Signal Advancements (2015) - ITE Western Dist. Annual Mtg. Technical Session
- Transportation Studies (2015) - ITE Western District Annual Meeting Technical Session
- Transportation Planning Tools (2015) - ITE Western Dist. Annual Mtg. Technical Session
- Pedestrian Safety (2015) - ITE Western District Annual Meeting Technical Session
- Intersection Simulation Modeling (2015) - ITE Western Dist. Annual Mtg. Tech. Session
- Multi-Modal Planning (2015) - ITE Western District Annual Meeting Technical Session
- Special Event Management & HCM (2015) - ITE West. Dist. Ann. Mtg. Tech. Session
- Transportation Security & Vehicle Tech. (2015) - ITE West. Dist. Ann. Mtg. Tech. Session
- Next Generation Travelers Information System (2015) - US DOT / ITS Webinar
- Crash Investigation and Reconstruction Technology (2015) - US DOT / TIS Webinar
- HCM 2010 and HCM 6th Edition Changes (2015) - UF / McTrans Webinar Series