

Alejandro (Alex) Anaya, PE, PTOE

President / Senior Transportation Engineer



Mr. Anaya serves as President and Senior Transportation Engineer at ESRP CORPORATION. He has extensive experience in traffic design, modern roundabout design, traffic safety and operations, as well as multimodal corridor design, traffic analysis, and travel-demand modeling. He has managed transportation projects of varied scopes and sizes, including PD&E studies, corridor studies, multimodal feasibility analyses, and roadway design projects. His experience also includes citywide mobility and connectivity studies, development of mobility fees to replace transportation impact fees, and policy planning to support multimodal transportation.

Employment History

President / Senior Transportation Engineer

ESRP CORPORATION - Tampa, Florida (July 2010 - Present)

Mr. Anaya leads most company activities while remaining actively involved in transportation planning, traffic engineering, highway design, and land development projects.

Senior Project Manager (Transportation)

Grimail Crawford, Inc. - Tampa, Florida (July 2006 - July 2010)

Worked on and managed numerous transportation engineering and planning projects, including traffic analyses for Developments of Regional Impact (DRIs), PD&E studies, feasibility studies, traffic operations analyses, and corridor analyses, as well as design tasks related to roadway improvements, roundabouts, and traffic signal projects.

Transportation Engineer

LSC Transportation Consultants - Colorado Springs, Colorado (May 2005 - July 2006)

Responsible for transportation engineering projects involving signal design, travel-demand forecasting, highway capacity analysis, traffic-impact analysis, traffic microsimulation, pavement design, and roadway design.

Program Coordinator

SCAHIP - University of Kentucky - Lexington, Kentucky (May 2004 - May 2005)

Coordinated all activities for two grant-based programs, collaborating with local and state agencies and leading outreach efforts. Designed and implemented database systems that improved client information management and storage.

Transportation Intern

Lexington Area MPO - Lexington, Kentucky (January 2004 - November 2004)

Processed and analyzed traffic, land-use, and demographic data, and performed travel-demand forecasting using a TransCAD-based regional model.

Transportation Research Assistant

Kentucky Transportation Center (KTC) - Lexington, Kentucky (January 2003 - May 2004)

Worked on transportation research projects, including an Archived Data Management System (ADMS) prototype for ITS data collected in Kentucky, Ohio, and Indiana.

External CE-Consultant (Hourly Consulting)

McLarens Young International - Bogota, D.C., Colombia (December 1998 - October 2004)

Carried out various civil engineering tasks related to high-profile loss-adjusting cases, including technical evaluation of structures, construction engineering inspection (CEI), cost estimation, insurance coverage analysis, and negotiation.

Project Engineer (1 year) - Project Manager (5 years)

Incondi Limitada - Bogota, D.C., Colombia (June 1996 - May 2002)

Performed engineering design tasks for small urban developments, including pedestrian facilities and traffic calming elements. Designed concrete pavements and industrial floors. Managed projects technically and financially while supervising subcontractors.

Years of Experience: 27

Education Background

M.S. Civil Engineering - Transportation Engineering
University of Kentucky (2004)

M.S. Civil Engineering - Project Management
Los Andes University (1997)

B.S. Civil Engineering
Pontificia Javeriana University (1995)

Professional Registrations

Professional Engineer (PE) Florida No. 66983

Professional Engineer (PE) Kentucky No. 25407

Professional Traffic Operations Engineer (PTOE)

Areas of Expertise

Transportation Planning	Traffic Operations
Traffic Microsimulation	Traffic Engineering
Signal Design	Roadway Design
Project Management	PD&E
Database Design	Application Development

Computer Skills

ArcMap	ASP
Cube	HCS
LOSPLAN	Microsoft Access
Microsoft Project	MicroStation
Primavera Contractor	SQL Server
Synchro/SimTraffic	TSIS (Corsim)
Visual Basic	

Language Skills

English	(Fluent)
Spanish	(Fluent)
Portuguese	(Able to Communicate)

Professional Memberships

Institute of Transportation Engineers (ITE) - Member
American Society of Highway Eng. (ASHE) - Member
Florida Engineering Society (FES) - Former Member

Continuing Education

FDOT Design Standards
FDOT Q/LOS & LOSPLAN
FSUTMS / CUBE
Highway Capacity Manual (HCM 2010)
Intersection Safety
MOT - Advanced
Roundabouts
Signal Timing
Transcad Travel/Demand Modeling