

JEFFREY T. MILBURN, P.E.

Curriculum Vitae

REGISTRATION: Registered Professional Engineer, Texas, No. 59968
Registered Professional Engineer, Louisiana, No. 23600

EDUCATION: BS, Civil Engineering, Texas A&M University, 1980
ME, Civil Engineering, Texas A&M University, 1984
Northwestern University Traffic Accident Reconstruction School
IPTM Commercial Vehicle Inspection & Reconstruction School
IPTM Motorcycle Reconstruction School
Certified CDR Analyst

BUSINESS EXPERIENCE:

2002-Present **PRESIDENT** - Jeff Milburn Engineering, Design of road construction projects including urban arterials, rural roadways, rail crossings, pavement design, lighting, traffic signals, and streets and drainage in and around subdivisions. Traffic impact and safety projects, traffic control plans. Expert testimony given in highway design and construction, traffic engineering, highway safety and accident reconstruction in state district and federal courts in several states.

2010-Present **ADJUNCT INSTRUCTOR** - Texas Engineering Extension Service
Courses taught in: Urban Street Design, Roadside Safety Design, Traffic Engineering, Transportation Safety and Tort Liability, Work Zone Traffic Control, Safe Practices for Incident Responders, Low Cost Safety Improvements, Roadway Safety Audits

1998-2010 **CONTRACT INSTRUCTOR** - Texas Engineering Extension Service
Courses taught in: Roadside Safety Design, Urban Street Design, Traffic Engineering, Transportation Safety and Tort Liability, Work Zone Traffic Control, Safe Practices for Traffic Incident Responders, Low Cost Safety Improvements

1999-2002 **PRESIDENT**- Walton & Associates Consulting Engineers, Inc., Bryan, Texas
1981 -1998 **ASSOCIATE/VICE-PRESIDENT**- Walton & Associates/Consulting Engrs., Inc.
May 1980 -Sept 1981 **GRADUATE ASSISTANT - LECTURER**, Texas A&M University Civil Engineering Department, College Station, Texas.

PERSONAL: Institute of Transportation Engineers (ITE)
Society of Automotive Engineers
Chi Epsilon, TAMU Chapter President, 1980 (Civil Engineering honor society)
Tau Beta Pi (Engineering honor society)
Eagle Scout
ASCE, (Branch Officer 1988-1997)
Deacon, Teacher Adult Sunday School, FBC College Sta.
Member Texas Motorcycle Safety Coalition
Birth Date: March 27, 1956

REPRESENTATIVE REPORTS:

Traffic Impact Analysis, Gateway Project, College Station, Texas
Successful Heavy Truck Accident Reconstruction, University of Houston Law Center, 2004
Traffic Impact Analysis - University Towne Center, College Station, Texas
Red Light Camera Enforcement Program, College Station, Tx.
Transportation Safety and Tort Liability, TEEEX 2009

ACCIDENT RECONSTRUCTION EXPERIENCE:

Prepared by undergraduate and graduate engineering degrees which focused in Transportation Engineering and Engineering Mechanics the practice of Accident Reconstruction was begun around 1983 in support of Dr. Walton. Completion of accident reconstruction projects for my testimony began in 1988. An estimated 750-900 crashes have been fully reconstructed in this time. Additionally, projects such as traffic safety studies have included the preliminary analysis of thousands of crashes for patterns in causation including driver, roadway and vehicle factors.

REPRESENTATIVE PROJECT AND DESIGN EXPERIENCE:

University Drive Widening Project, Plans and specifications were prepared for design of a 1.4 mile section of urban arterial FM highway including seal coat, new pavement, pavement overlays, drainage, horizontal and vertical alignment, FHWA Environmental Impact Assessment, safety considerations, lighting, traffic control plan, traffic signals, and client interface.

Greens Prairie Road, College Station, Texas. Plans and specifications were prepared for the design of 2 miles of F.M. standard roadway including pavement design options and roadway geometrics and a 100 foot bridge structure.

29th Street Widening Project, City of Bryan, Texas. A capital improvement widening project of two miles of a complex, fully developed major urban arterial. Responsibilities included horizontal and vertical control development, plan preparation, details, analysis of pavement defects and correction alternatives, drainage, lighting, specifications, traffic control plan and construction observation.

Sebesta Road Improvements Project, City of College Station, Texas. A capital improvement widening project of .8 miles of urban collector converting an existing open ditch section to curb & gutter drainage. Restricted right-of-way, utilities conflicts, drainage, lighting, construction easements and traffic control requirements were issues resolved.

Graham Road Rehabilitation Project, City of College Station, Texas. A capital improvement project including widening and base crown revision of a 1.4 mile arterial street. Project involved conversion from open ditches to curb and gutter drainage, major drainage improvements, construction zone traffic management, street lighting, and all phases of design development, design drawings and construction observation and oversight.

Traffic Safety Study - New Jersey Turnpike Authority. A comprehensive statistical analysis of the effects of billboards on driver safety on 106 miles of the New Jersey Turnpike. Study included analysis of more than 9000 accident reports for cause and effect relationships with billboard locations, driver distraction, and distraction induced accidents. Accident rates for before and after billboard construction were compared.

Traffic Signal Design - Stephenville, Tx. Plans and specifications for a complete signal installation were developed and coordinated with a commercial development project. Approval from TxDOT for the plans and specifications was obtained and the signal was constructed.

Speed Zone Studies - Interstate 45 Frontage Roads - Conducted required engineering studies for determination of appropriate speed zones and signing for four counties in District 17.

Bryan Business Park, Bryan, Texas, Phase II. The 137 acre Phase II design responsibilities included preliminary and final platting, presentations to Planning Commission, detailed design, pavement design, plan and specification preparation for street and drainage improvements, railroad crossings, traffic control plans, lighting, and water and sewer improvements totaling over \$1.7 Million, construction inspection for those improvements, and contract administration.

Shirewood Subdivision, A Planned Unit Development, Bryan, Texas. A 56 acre patio home development required preparation of master plan, preliminary and final plats, street and drainage, and water and sewer construction plans and contract documents.

Holleman Drive Rail Crossing, City of College Station, Texas. The connection of an existing urban collector with an urban arterial with a complex rail crossing. Design and plan preparation included horizontal and vertical design, drainage, pavement design, and safety measures for signalization of the adjacent intersection.

College Station Utility Services Center, City of College Station, Tx. Design included a two lane entry roadway with gravel shoulders and included drainage, vertical and horizontal geometry and safety measures for drainage structures and pavement design.

Sandstone Psychiatric Hospital - Complete site planning, analysis and design, including site plan development for City of College Station review, entry drive and pavement design, parking and circulation analysis and design, loading dock, drainage design and report, site grading, and utilities design and report.

Traffic Impact Assessments - WalMart Supercenters, Nacogdoches, Odessa, Stephenville, Weatherford. Efforts included assessment of ingress and egress capacity and safety, need for signalization, driveway spacing, sight distances, separation of movements, ingress or egress restrictions and adjacent roadway capacity and safety.

City of College Station Traffic Safety Study - A study of twelve locations included traffic counts, traffic signal recommendations, four way stop analysis, speed studies, crash history analysis and safety recommendations.