

Benjamin L. Worsham, P.E., P.T.O.E., M.S.E.M.

P.O. Box 3146 • Edinburg, TX 78540 • (956) 207-4040 • Ben.Worsham@hotmail.com

An engineering professional with an MS in Engineering Management, a BS in Mechanical Engineering, and experience in leadership and project management.

Summary of Qualifications

- Professionally licensed engineer by the Texas Board of Professional Engineers.
- Experienced leader with management skills demonstrated in pressure intensive situations.
- A passion and recognized ability for learning and mastering new software and technology.

EDUCATION AND TRAINING

University of Texas - Pan American – Edinburg, TX December 2006
Bachelor of Science – Mechanical Engineering
University of Texas - Pan American – Edinburg, TX May 2011
Master of Science – Engineering Management

National Incident Management System (NIMS) ICS Certifications (100/200/300/700/800)
Knowledge of Quality Management Systems (TQM, ISO 9000, Lean Six Sigma)

Leadership

Leadership McAllen-Class XXIX (An organization geared to identify existing and emerging leaders within the community to enhance their leadership skills)

CERT Trainer-Training and teaching volunteers for participation in Community Emergency Response Teams

Technical

CAD software (AutoCAD, MicroStation), Traffic Modeling and Simulation Software, GIS software and hardware

Associations

American Society of Civil Engineers (ASCE), Texas American Public Works Association (TAPWA), Institute of Transportation Engineers (ITE)

EXPERIENCE

Civil Facilitator

Zachry Construction-San Antonio, TX 2007

- Coordination with area Superintendents to accurately measure progress thru the systematic collection and verification of budgeted and installed quantities.

Hydrology Designer

S&B Infrastructure – McAllen, TX 2007

- Hydraulic structure analysis of bridges and other structures within flood planes of the lower Rio Grande Valley and Northern Mexico for flood control master plans.

Traffic Designer

City of McAllen – McAllen, TX 2007 to Present

- Designed, implemented, analyzed, and revised traffic signal coordination for 11 corridors and over two hundred signal locations throughout the city of McAllen to minimize congestion and increase efficiency for an overall improvement of over 14% in travel times.
- Design and development of geographic information systems for municipal signs, signals, the tracking of personnel, equipment, and work service requests with the integration of an online Work Order System, which has been utilized in different departments and written about in various articles (*Government Engineering*, July-August 2007).
- Planning, coordination, and management of emergency responses, holiday events, and recreational events throughout the city and county.
- Development planning for the rejuvenation of subdivisions, and transportation planning to solve current and future issues while effectively sustaining growth.
- Project management from the design phase of roadway improvements, traffic control devices, sidewalks, and municipal utilities, to the construction supervision and coordination phase with multiple state and local agencies for projects throughout the City of McAllen.
- The designing of public departmental website, City's biking website, departmental resident self help, FAQ, and work request website.