EDUCATION

Utah State University - Logan, Utah
Bachelor of Science in Civil Engineering, May 1999

Junior College of Nan-Ya Technology – Taipei, Taiwan
Diploma in Civil Engineering, June 1990

REGISTRATION

- Registered Professional Engineer – Florida #62391

CERTIFICATIONS

- Florida Department of Transportation (FDOT) - Certified Drilled Shaft Inspector
- American Concrete Institute (ACI) - Certified Level 1 Concrete Testing Technician
- Troxler Laboratories - Nuclear Density Gauge Safety Certified
- Construction Materials Engineering Council (CMEC) – Certified Concrete Lab Technician
- Post-Tensioning Institute (PTI) – Certified in Post-Tension Tendon Installation

MEMBERSHIPS/AFFILIATIONS

- Florida Engineering Society
- National Society of Professional Engineers
- American Society of Civil Engineers

WORK EXPERIENCE:

9/08 to Present **YPC Consulting Group, Fort Myers, Florida**
President

Currently serves as president and founder of an engineering consulting company. YPC Consulting Group, P.L. offers a full range of services in the areas of geotechnical engineering, soils investigations, foundation recommendations, construction materials testing, inspection, and general civil engineering consulting. The staff includes two registered professional engineers, four senior engineering technicians/inspectors, and two administrative assistants.

8/99 to 9/08 **ASC Geosciences, Inc., Fort Myers, Florida**
Area Manager

Served as engineer and project manager for a total of 9 years, including full responsibility for the Fort Myers office as Area Manager for the last 2 years with the company. Responsibilities included threshold inspections for structures, QA/QC testing for construction materials, and geotechnical engineering, analyses and design. Tasks

also included installation monitoring for driven concrete piles, driven timber piles, augered cast-in-place concrete piles, and drilled shafts, as well as performance of pile static load testing. Engineering duties included the design of pile and drilled shaft foundations, as well as analyses for MSE retaining walls and box culverts, for various FDOT projects and other governmental projects utilizing FDOT specifications and design standards.

9/92 to 5/94 **Gold Sun Development & Construction Ltd. Co., Taipei, Taiwan**
Project Engineer

Provided project coordination between the general contractor, structural engineers, and architect for construction of high-rise office and residential buildings. Tasks included QA/QC for the project scheduling, document control, and technical coordination for the submittal process.

1990 to 1992 **Republic of China Army (Taiwan)**
Lieutenant Sergeant, Military Police

HIGHWAY / DOT TRANSPORTATION EXPERIENCE:

Transportation project-related experience is described below for 2 large FDOT projects in Hillsborough and Lee Counties, Florida. Additional information for these two projects, as well as information for three other roadway projects that utilized FDOT specifications and design standards is presented in the attached *Highway Project Summary* and *FDOT Work Group Summary*.

- **SR 739, Six Mile Cypress Parkway to Alico Road, Fort Myers, Lee County, Florida**

As project manager for this project, I planned, implemented, and supervised all aspects for Work Group 9.1 (Soils Exploration) and Work Group 9.4.1 (Standard Foundation Studies). Details are presented below:

BRIDGE: The bridge structure consisted of an 8-span, 888 ft long overpass bridge over the new alignment of Alico Road with 48- in. diameter drilled shaft for foundation support. Served as a project engineer and was responsible for the design of drilled shaft foundations.

MSE RETAINING WALLS: MSE wall structures wrap around both sides of land bridge listed above. Responsible for performing external stability, slope stability, and settlement analyses for these walls.

BOX CULVERTS: Two box culverts were planned through the Six Mile Cypress Slough and one is across Fiddler Creek. Served as a project engineer and was responsible for performing bearing pressure and settlement analyses for these box culverts.

ROADWAY ALIGNMENT AND PONDS: Supervised collection of field samples and data and laboratory testing for use in evaluating the subsurface soils along the proposed roadway alignment and in the pond areas.

SIGNAGE AND SIGNALIZATION STRUCTURES: Determined soil parameters for use in design of the signage and signalization structures along the proposed roadway alignment and at intersections.

- **I-275 West– Segment 1-A, Tampa, Hillsborough County, Florida**

As project manager for this project, I planned, implemented, and supervised all aspects for Work Group 9.1 (Soils Exploration) and Work Group 9.4.1 (Standard Foundation Studies). Details are presented below:

BRIDGES: All bridges described below were designed as drilled shaft foundations with shaft sizes of 36 and 48-in. in diameter. Served as a project engineer and was responsible for the design of drilled shaft foundations.

- Ramp P over Ramp N – 368 ft long, 2 span land bridge
- SB I-275 Over Lois Avenue – 179 ft long, 1 span land bridge
- NB I-275 Over Lois Avenue – 179 ft long, 1 span land bridge
- Ramp T Over Ramp R – 359 ft long, 2 span land bridge
- SB I-275 Over Cypress Street – 270 ft, 1 span land bridge
- NB I-275 Over Cypress Street – 270 ft, 1 span land bridge
- Ramp R Over Cypress Street – 270 ft, 1 span land bridge
- Ramp T Over Cypress Street – 270 ft, 1 span land bridge
- Ramp S Over Ramp U – 280 ft long, 2 span land bridge
- SB I-275 Over Dale Mabry Highway – 241 ft long, 1 span land bridge
- NB I-275 Over Dale Mabry Highway – 242 ft long, 1 span land bridge
- SB_{WINT} I-275 Over Himes Avenue – 146 ft long, 3 span land bridge
- NB I-275 Over Himes Avenue – 142 ft long , 1 span land bridge
- Ramp V Over Himes Avenue – 142 ft long, 1 span land bridge

MSE AND TEMPORARY RETAINING WALLS: MSE and temporary wall structures go along and/or wrap around both sides of bridges listed above. Responsible for performing external stability, slope stability, and settlement analyses.

BOX CULVERTS: Two box culverts across Lois Avenue and Cypress Street and Dale Mabry Highway were planned at the project site. Served as a project engineer and was response for performing bearing pressure and settlement analyses.