

Eugene Belits

Skills and Experience

- *Significant coursework in architecture, planning, road building, bridge design and in depth analysis of the construction trade.*
- *Special academic concentration on the Microscopic Behavior of Interface and Equivalent Properties of Soil-Geosynthetic Composite in MSE Retaining Walls.*
- *Academic specialization in steel and concrete construction/connection design, structural dynamics and analysis, theory of elasticity; applied hydrology, numerical analysis, engineering marketing contracts and sales, condition assessment / failure analysis-structures; Strong computer skills including proficiency with Nike 3D – nonlinear finite element analysis; ADINA software used for operations of dynamic analysis; Ingrid/Truegrid; Griz; STAAD Pro; RIZA, AutoCAD Architecture & 3D; Revit; Microsoft Project, Primavera; AG TEK - earthwork 3d; Hard Dollar – BID*BUILD; MathCAD; Win8, UNIX, MS Excel, Word and PowerPoint.*
- *Experience in new industrial, commercial and residential constructions and management as: Designer, Estimator, Project Engineer and Project Manager*
- *Underwent intensive internships specializing in plumbing systems and building foundations; adept at reading and formulating blueprints, manual and computer drafting and test analysis*
- *Sub-Contractor at construction site responsible for planning, scheduling, and overseeing the laying of foundations at a new residential community.*
- *Planned placement and dimensions of school building foundations and plumbing systems*

Employment History

2007 – Present *COUNTRY Financial Services*
Engineer Consultant

Real Estate Investment: Estimator/Project Manager/Coordinator. Adviser/Consultant in Structural, Foundation; Steel and Concrete Design.

2003 – Present *United Services Inc.*
Operational Manager; Estimator/ Project Manager

Contracting / Subcontracting, Consulting, & Problem Delegating in private and government projects domestically and internationally in construction, reconstruction, renovation, improvements and mining. Structural, nonstructural. Underground utilities, Landscape, Roads, curb and gutters, sidewalks, Bridges.

2002 – 2003 *A.G. Wassenaar Inc*
Field Engineer/ Geotechnical consultant

Inspections in conformance with plans and specifications of single home residential housing & condominiums for the following builders: Village; Oakwood; Continental; Beazer/Sanford; DR Horton; Richmond; Sundown; New Town; Golden Design; KB Homes and other construction companies
Inspections/observations include following:
Excavation to be bottomed in soil suitable to support design bearing pressures;

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Employment History – continued

Pier/helical pier/micro-pile to be drilled to proper bearing materials;
Footings;
Post-tensioned slab foundation (trench footing, cable placement; cable tension);
Foundation insulation;
Steel (in foundation walls) + ufer rod installation;
Drain;
Damp-proofing;
Void;
Slab-on-grade – final inspection (including structural floor)

2002 – 2003

University of Colorado at Denver

Professor Assistant

Co-instructor for CE 4718-3, Intermediate Soil Mechanics
Trained students to master different experiments for assessing various material parameters for use in the design of geostructures and foundations;
Taught students how to conduct laboratory tests and analyzed resulting data on the above; Presented theory and background. Prepared and tested as well as reduced resulting data for variety of tests.

1998 –2003

University of Colorado at Denver

Researcher

Modeled soil / TI / structure using Ingrid/Maze and Truegrid software
Analyzed soil / structure interactions using numerical analysis methods
Summarized findings and made recommendations

Collected data and formatted reports for various CDOT/UCD research projects including: Dam design for power plant; Rail – Impact study (Three Dimensional load transfer mechanism in highway safety rails under high impact loads; New design guidelines for Colorado highways safety rails); Cost of sanding and windshield damage; CDOT foundation design and LRFD (load resistant factor design) strategic.

1998 –2003

Engineering Group INC

Engineer / Designer

Designed and drafted foundation walls for factory structures
Created and implemented design algorithm for foundation design

Education & Membership

- **M.S., Civil (Structural/Geotechnical) Engineering / Marketing & Sales**, University of Colorado at Denver FE (EIT)
- **Member of SSI Group** – Soil Structure Interaction Research Group.