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**Robert J. Bosek Jr. | Senior Engineer, Civil/Structural Engineer / CXLT**

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### Professional Summary:

Mr. Bosek has 45 years of experience in the design of new structures and additions, as well as forensic studies coupled with repair designs. In particular, Bob has been a licensed practicing civil engineer for the past 28 years. His experience includes design work on over 1000 projects ranging from industrial, controlled atmosphere, educational, government office and retail buildings to multi-family and single-family construction. He has extensive experience in forensic studies for structures damaged by fire, water intrusion, vehicle impact, earthquakes, wind and snow, as well as seismic retrofit for older structures.

### Licenses and Certifications:

Professional Engineer, NV, #20093  
Professional Engineer, WA, #29630  
Professional Engineer, UT, #7536357  
Professional Engineer, ID, #14099  
Professional Engineer, WY, #13554  
Professional Engineer, NM, #26025  
Professional Engineer, AZ, #70255  
Professional Engineer, CO, #0055564  
Certified XL Tribometrist, #1901752

### Project Experience:

#### **Forensic Studies WA, ID, NV, UT, WY, CO**

Investigated over 750 structures with damage from various causes, assessed the extent of damage and provided recommendations for repair and for many, provided repair design.

#### **Everett Gospel Mission, Everett, WA**

Investigated cause of water infiltration of wood framed walls. Assessed extent of damage and provided repair design.

#### **Bellevue Plaza Shopping Center, Bellevue, WA**

Investigated fire damaged structural framing; assessed the damage and recommended repairs.

#### **College Way Market Place, Mt. Vernon, WA**

Provided structural and civil engineering for a new 10,000 square foot retail strip mall.

**Brown Commercial Building, Burlington, WA**

Provided structural and civil engineering for a new one story 4,000 square foot office building.

**Snohomish County Medical Examiner, Everett, WA**

Provided a structural seismic evaluation of a one-story building that was being considered for occupancy by the Snohomish County Medical Examiner's Office.

**McDonalds, Salt Lake City, UT**

Provided a structural evaluation of a fire damaged wood and masonry structure. Provided design for repairs to damaged members.

**Swinomish Woods, Skagit County, WA**

Provided preliminary civil and structural consulting on a planned community surrounded by golf courses and equestrian facilities.

**Allegiant Stadium, Las Vegas, NV**

Provided structural consulting for three insurance claims during construction of a football stadium. The claims involved a broken steel connection in the roof structure, concrete testing to determine areas of concrete flatwork delamination, and deflections of suspended plumbing and utility line supports.

**Expert Witness**

Provided engineering consulting for multiple lawsuits, including:  
Defense for construction company accused of damaging roadways, defendant acquitted.  
Provided consultation and analysis to determine cause of collapsed mine tunnel.

**Professional Experience:**

EFI Global, Inc., Civil Engineer, Las Vegas, NV, 2009 – Present  
RB Engineering, Civil Engineer, 1994 – 2009  
CT Engineering, Design Engineer, 1990 – 1994  
Structural Design Associates, Design Engineer, 1982 – 1990  
Pantly Construction, Assistant Project Manager, 1981 – 1982  
Engineers Northwest, Structural Drafter, 1976 – 1981

**Specialized Education:**

Transitioning from the 1997 UBC to the 2003 IBC, National Council of Structural Engineers Associations (NCSEA-SCI) Structures and Codes Institute, 2004

Certified XL Tribometrist (CXLT) - This certification is given to those individuals proven by testing to be experienced in determining the slip resistance of construction materials and finishes by use of the "Excel Tribometer". The slip resistance measurements assist in slip and fall litigation, product development, and accident prevention.

**Education:**

College of Civil Engineering, University of Washington, 1982  
Structural Drafting Program, North Seattle Community College, 1976

**Affiliations:**

American Society of Civil Engineers, Structural Engineering Institute (ASCE)  
Charter member of the Structural Engineering Institute

**Honors and Awards:**

In 2005, as the Structural Engineer for the "Camano Commons Project" in Stanwood Washington, Mr. Bosek received the "Excellence in Concrete Award" presented by the "Washington Aggregates & Concrete Association"

**Special Training:**

Federal Aviation Administration licensed Private Pilot  
PADI certified Scuba Diver