

JEFFREY T. HUBBELL, PE, SE

SUMMARY

Mr. Hubbell has over 29 years of experience in building and crane design for commercial, industrial and governmental projects. He has extensive experience in specification, procurement, engineering and installation of large, complex gantry and overhead crane systems. Mr. Hubbell expertise also extends to the design, review and construction of crane runway support structures and foundation systems.

EDUCATION

Master of Science in Engineering (emphasis in Structural Engineering and Structural Mechanics) – University of California, Berkeley; 1984

Bachelor of Science in Civil Engineering – University of Idaho; 1983

REGISTRATIONS & CERTIFICATIONS

Registered Professional Engineer:

- California
- Washington

TWIC Registration

CAREER HISTORY

FORCON International – Crane/Industrial Equipment Consultant

Providing forensic investigation analysis and expert witness services as it relates to his fields of expertise.

Casper, Phillips & Associates – Engineer

HIGHLIGHTED PROJECT SUMMARIES

Boeing 777 Assembly Cranes, Everett, WA: The Boeing Company

Designed complete structural rehabilitation of newly installed, severely limited, overhead crane system used for Boeing 777 assembly factory at Everett, Washington. Assisted in field implementation and evaluation of the proposed strengthening modifications. Performed strain gage testing of cast steel components.

Construction Support

Directed the field review effort during the fabrication and erection of two container cranes purchased by the Massachusetts Port Authority.

Crane Modifications, MPA, MA

Designed crane modifications of two existing container cranes for Massachusetts Port Authority which allowed the cranes to remain in service while being raised 20 ft. Designed incorporated “sleeve” approach. Provided field review services for the Port.

Software Development

Developed a series of structural analysis and design programs to automate the design and analysis of complex, moving machinery and other structures subjected to numerous possible load combinations.

Ship-to-Shore Design Review

Reviewed structural designs of several quay-based gantry container handling cranes for various port authorities, manufacturers and shippers.

FORCON INTERNATIONAL

Crane and Dock Modifications

Designed several structural modifications of container cranes, including raises, boom extensions, rail gage changes and voyage bracing.

Floating Structure

Design and construction support of a three-story, moveable, floating truck access structure for loading sea-going Ro-Ro vessels.