



The Order of the Engineer Application Form

The ceremony will be held prior to the E-Week banquet **February 25, 2012**, at the Gold Coast Casino Resort in Salon H, ground floor north side of the casino floor. *Registration is at 5:00 pm. Ceremony 5:30 p.m.* If you wish to join us in participating at the Order Ceremony please complete the following:

Name: _____ (Please Print) Employer/Engineering School: _____

Address: _____

Phone: _____ Fax: _____

Email: _____

Title: _____ Ring Size (little finger of working hand. If known): _____
Ring sizing kits will be available at the Ceremony

You *must* meet one of the following criteria to be eligible for membership into the order. Please check which one is applicable:

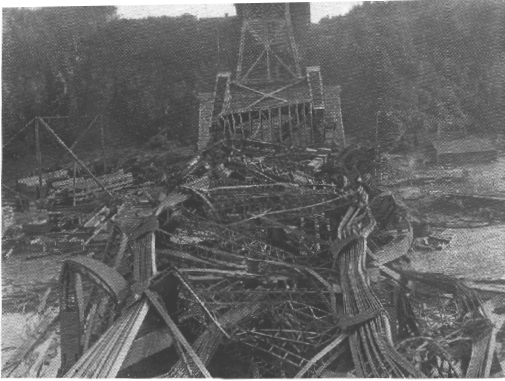
- Hold a license as a Professional Engineer and are in good standing. License state: _____
Licensed Discipline of Practice: _____
- Canadian Engineer who has gone through the Ritual of the Calling of an Engineer. Date: _____
- Currently Engineering Intern or meets requirements of the Nevada State Board for admittance to Fundamentals of Engineering exam. Planned or completed FE exam date: _____
- Graduate from an ABET-accredited engineering program. Institution and date: _____
- A student currently enrolled in an ABET-accredited engineering degree program within one year of graduation. Institution and anticipated graduation date: _____

*Please transmit this form along with a one-time fee of \$10 to cover the cost of the ring and certificate. **The form must be submitted by February 17, 2012 in order to receive a pre-printed certificate at the ceremony.** Applicants who register at the door will have their printed certificates mailed to them. **Please make checks payable to Nevada PE Foundation.** Please either a) email or fax the form and then bring your check or \$10 cash to the ceremony, or b) US Postal mail the completed form, with check (no cash, please) to:*

David James, P.E., PhD
UNLV Civil and Environmental Engineering
4505 Maryland Parkway Box 45-1099
University of Nevada, Las Vegas NV 89154-1099
E-mail: dave.james@unlv.edu Fax: 702-895-3670

On-site registration begins at 5:00p.m. and the **ceremony begins promptly at 5:30 p.m. Saturday February 25, 2012.** We look forward to your participation!

About the Order of the Engineer



**The Failed Québec Bridge
1907 photo**

Origin of the Ceremony

In the early 1900's, a group of local businessmen hired the Phoenix Bridge Company along with a famous bridge engineer from New York, to design and build what would be the longest spanning bridge in the world. The bridge was to span 2,800 feet over the St. Lawrence River in Québec, Canada and was to have one single span 1,800 feet long, 150 feet above the waterway.

An error was made in calculating the weight of the 1,800 foot single span and even though it was detected in review, bridge construction proceeded. During construction, other warning signs appeared including bent girders, yet the work continued. The engineering team, pressured by schedules and other factors, overlooked these issues, justifying them as being within tolerances.

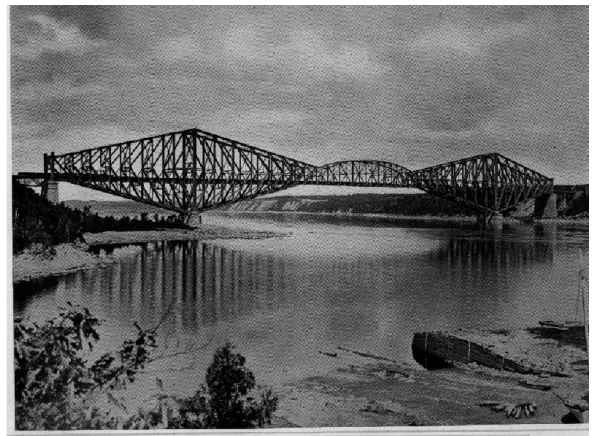
On August 29, 1907, the bridge collapsed, killing 75 workers. Determined that such a tragedy would never occur again, a local group of engineers sought the help of renowned author Rudyard Kipling to write a ceremony that instill into the young engineers the awesome responsibility they have for the health and safety of the general public. During the ceremony, known in Canada as the "Ritual of the Calling of an Engineer," the inductees accept an Obligation which is a creed similar to the oath attributed to Hippocrates (460-377 B.C.) that is generally taken by medical graduates and which sets forth an ethical code. They are also given an iron ring, originally made out of the debris of the fallen Québec Bridge. The ring is worn on the little finger of the working hand as a symbol of the engineer and a reminder of their responsibility to the public.

The Ceremony in the United States – the Order of the Engineer

Due to copyright and other conflicting factors the Canadian Ritual could not be duplicated in the United States, so two U.S. engineers were invited to Canada in the late 1960's to participate in the Calling Ritual. They then formed the "Order of the Engineer" with the same basic premise as the Ritual of the Calling of an Engineer.

The Order of the Engineer was initiated in the United States to foster a spirit of pride, individual integrity and responsibility in the engineering profession, to bridge the gap between training and practice, and to present to the public a visible symbol identifying the engineer. During the Ceremony, engineers are invited to accept the Obligation of the Engineer and to wear a stainless steel ring. The Order is not a membership organization; there are never any meetings to attend or dues to pay. Instead, the Order fosters a unity of purpose and the honoring of one's lifelong pledge to uphold the public safety.

Engineer's Week is designated as the third week of February. *We believe that there is no better way to celebrate the great profession of engineering than to participate in a ceremony on February 25, 2012 at 5:30 p.m. at the Gold Coast Casino just prior to the awards banquet.* Robert Green, PE, Ph.D., Vice President of the National Society of Professional Engineers, will be our honored guest. If you'd like to join us please complete the application form on the first page of this announcement and return as indicated. We look forward to seeing you there!



**The Québec Bridge – completed 1919
Still in use today**