



## Monthly Meeting Notice

*Wednesday – January 10, 2007*

### The Use of Stainless Steel Reinforcing Bars in Bridges

**Speaker:** Frank N. Smith, Ph.D., P.E. of Queen's University in Kingston, Ontario.

**Program:** The use of stainless steel rebar in road and highway bridges has been steadily growing in North America over the last 10-15 years. The desire, by Federal, State, county and municipal authorities, to have bridges last for 75-100 years without costly repair work has prompted this increased usage. Large and small bridges have been built using stainless rebar.



Stainless steels, such as Type 316, 316LN and Alloy 2205, have inherently good corrosion resistance to de-icing salts. Hence, rebar coatings, corrosion inhibitors in the concrete, cathodic protection, high-performance concrete, etc. are not required when using these grades of rebar. Life-cycle cost evaluations have clearly demonstrated the advantage of using stainless steel rebar. The properties and benefits of using stainless steel rebar will be presented, and their fabrication and placement will be discussed. Examples of the use of stainless steel rebar in road and highway bridges will be presented.

**Location:** Winking Lizard Tavern – 6901 Rockside Road, Independence, Ohio (NW corner of Rockside & SR 21)

**Dinner:** Buffet with Roasted Chicken Breast, Baked Salmon, Green Bean Almondine, Pasta Primavera, rolls & butter, garden salad, and assorted pastries.

**Time:** 5:30 p.m. - 6:30 p.m. Social Hour (Cash Bar)  
6:30 p.m. - 7:30 p.m. Dinner  
7:30 p.m. Speaker

**Cost:** \$25.00/person – ABCD Members  
\$30.00/person – Non-Members & Guests

**RSVP:** Contact Betty Zelinsky at (216) 298-9000, FAX (216) 574-9370, or email: [bzilinsky@LCE.us](mailto:bzilinsky@LCE.us).

**Please RSVP by January 3, 2007**

**Upcoming ABCD Events:** February 20<sup>th</sup> – Annual ABCD Awards Dinner

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