

**Wednesday, November 19, 6:00 pm**  
**1310 Newmark Civil Engineering Lab**

## **Concrete Materials and Construction Innovations: Illinois Tollway \$12 Billion “Move Illinois” Project**

Presented by Ross Bentsen P.E. of Quigg Engineering Inc

Mr. Bentsen will be sharing some of the concrete materials and construction innovations that the Illinois Tollway has recently evaluated as part of the Tollway’s \$12 billion *Move Illinois* capital program. Areas that have been researched and evaluated include:

- ❖ Recycled asphalt pavement, steel slag aggregate, and fine aggregate “screenings” in concrete mixes.
- ❖ Two-lift concrete pavement construction.
- ❖ Low-shrinkage concrete bridge deck mixes.
- ❖ Precast slabs for pavement reconstruction
- ❖ MIT Scanning for pavement dowel alignment evaluation



Ross Bentsen, P.E. is a Materials Engineer with Quigg Engineering Inc., and for the last 10 years has provided materials and construction engineering consulting for the Illinois Tollway. Ross has over 30 years of experience in materials and pavement engineering and has developed and instructed certification programs for transportation organizations, state agencies, associations, and private companies in the area of pavement design, production, rehabilitation, testing and inspection. Mr. Benson obtained his BS (1981) and MS (1982) in Civil Engineering from the University of Illinois, under the tutelage of such industry leaders as Marshall Thompson, Moreland Herrin, and Barry Dempsey. He “looks forward to sharing his experiences with the next generation of Illinois Civil Engineering giants!”

Anyone interested in concrete is invited! We will provide pizza and beverages before the meeting. See you there!

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