



Tuesday, APRIL 23, 2013

Project Acceleration & Schedule Compression

Guest Speaker:

Dr. Moselhi is Professor of Engineering in the Department of Building, Civil and Environmental Engineering at Concordia University and has authored and co-authored over 300 scientific publications. He is Fellow of ASCE, CSCE and AACE International. He joined Concordia in 1985, after a decade of industry experience which included tall buildings, bridges, nuclear power plants, harbor and offshore facilities. He is recipient of numerous honours and awards, including the prestigious Walter Shanly Award in recognition of "outstanding contributions to the development and practice of construction engineering in Canada". Dr. Moselhi has served as international consultant on academic affairs and on construction projects in Canada, USA and the Middle East. His research interest encompasses planning, procurement, resource allocation, tracking and control of construction projects, with a focus on risk management, productivity analysis, management of construction claims and development of decision support systems embracing information technology, remote sensing, web-enabling and spatial technologies.

Abstract:

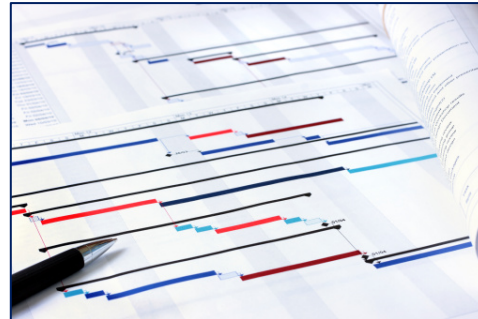
Contractors and/or owners frequently need to accelerate the delivery of engineering, procurement and construction projects. Acceleration can be implemented at the strategic level and/or at the tactical or operational level. In this presentation, project delivery systems that can be used to accelerate the delivery of this class of projects at the strategic level will be presented and their unique characteristics will be highlighted. As to acceleration at the tactical level, this type is common and mounts to some form of schedule compression, also known as schedule crashing, after commencement of work onsite.

The findings of a recent industry survey that focuses on commonly used factors in the process of schedule compression will be presented along with a practical and easy to use method to perform this compression process considering factors such as cost, knowledge and experience of contractors, availability of resources, cash flow constraints and the risk associated with crashing durations of targeted activities.

Numerical example will be presented to illustrate the use of the developed method and demonstrate how well it can be used to generate a number of feasible schedule compression plans to address what-if scenarios that members of project teams would like to review and assess.

Key points will include the following:

- **Reasons for Project Acceleration**
- **Fast Track Projects**
- **Project Delivery Systems**
- **Schedule Compression & Crashing**
- **Industry survey of factors to consider**
- **Methods & What if scenarios**



Refreshments from 5:15 pm Meeting from 6:00 to 7:00 pm

Presentation in English

Location: Place Felix Martin – 455 René Lévesque West, Room 304A – Montreal

Cost: AACEI and PMI Members: \$ 20 Students: \$ 10 Non-Members: \$ 25

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mac@tardifmurray.com or by fax: (514) 937-0096**

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