

Design-Build Contracting

Purpose and Background

The Design-Build (DB) method of contracting has been increasing steadily. This On-Site Training course will help you understand the dynamics of the DB process and will impart the technical and management skills you will need to obtain time and cost savings by properly implementing a DB program.

This seminar is a series of learning modules that have been developed to break down the DB decision-making process into its component steps and reassemble it into a straightforward, logical methodology for the development of DB projects from the owner's standpoint. The seminar will alternate between lecture/discussion periods and short, high-impact team exercises that are designed to reinforce the preceding lecture's learning objectives. Additionally, case studies of actual DB projects will be used to illustrate many of the seminar's points.

Seminar Instructors

Douglas D. Gransberg, Ph.D., P.E., C.C.P., F.RICS, M.ASCE, is the president and founder of Active Continuing Education Systems, LLC., a firm that specializes in providing professional continuing education services using a variety of delivery mediums from in-person to guided online modes. Gransberg has been an ASCE instructor since 1996. ACES offers a full-range of project management and construction engineering curricula and has furnished coursework to public and private clients in the US and overseas.

He is also the president of Gransberg & Associates, Inc. a construction management/ project delivery consulting firm. The firm was founded in 1996 and provides RFQ/RFP development services to public agencies, as well as CMGC and DB proposal development services to engineers and consultants. G&A, Inc. has been called on to assist with projects throughout the U.S. and Canada, as well as in New Zealand, Okinawa, Latin America, Europe, and the Middle East. The firm specializes in the development of project management services for complex mega-projects.

Dr. Gransberg retired in 2017 as a professor of construction engineering at Iowa State University, where he held an endowed research chair for 5 years. He received both his B.S. and M.S. degrees in Civil Engineering from Oregon State University and his Ph.D. in Civil Engineering from the University of Colorado at Boulder. He is a licensed Professional Engineer in Oklahoma, Texas and Oregon, a Certified Cost Engineer, a Designated Design-Build Professional, and a Fellow of the Royal Institution of Chartered Surveyors in the UK.

Before moving to academia in 1994, he spent over 20 years in the U.S. Army Corps of Engineers, retiring at the rank of lieutenant colonel. In his final posting, Dr. Gransberg was the Europe District's Area Engineer stationed in Ankara, Turkey where he managed an annual design and construction program that exceeded \$200 million. He teaches courses in integrated project delivery, cost estimating, project controls, and project management. His research is centered in the delivery of infrastructure/ transportation projects.

Dr. Gransberg led the efforts to develop the AASHTO *Guidelines for CMGC* project delivery and *Guidebook for Alternative Quality Management*. He was one of the co-authors of the AASHTO *Guide for Design-Build Contracting*, and is currently developing the AASHTO *Guide for Managing Geotechnical Risk in Design-build Projects*, and the second edition of the AASHTO *Partnering Handbook*. He is the author of 4 books on construction management topics and over 200 articles, conference papers, and other publications.

- For group training, contact John Wyrick (JWyrick@asce.org) or Stephanie Tomlinson (STomlinson@asce.org)

Seminar Benefits

- **DB risk versus DBB risk:** Participants will assess the exposure the owner has to typical types of risk inherent to the design/construction process. Through discussion and evaluation, they will develop an understanding of differences in contract administration practices that must be made to implement DB as a project delivery method.
- **Scoping the DB project in functional terms:** The idea that DB allows the owner to compete innovative design solutions will be introduced. Participants will learn to develop definitive performance criteria to describe the project in functional terms that permits industry to propose creative design solutions without a loss in owner control over the form of the final product.
- **DB RFQ/RFP preparation and evaluation planning:** Before an RFP can be written, the owner's representative must know how proposals will be evaluated to ensure that the right combination of information and technical data is requested from potential DB contractors. The concept of optimizing the combination of cost, time, qualifications, and quality will be shown to provide the participants with a model from which to develop realistic DB proposal evaluation plans. The pieces of the DB RFP will be covered in detail, and participants will learn to correlate the project scope and the evaluation plan to write an unambiguous RFP.
- **DB Proposal Preparation:** RFP interpretation and proposal preparation strategy will be covered to furnish participants with a foundation on which to make the critical "Bid-No Bid" decision for DB projects.

CEUs/PDHs: ASCE has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102. In addition, ASCE follows NCEES guidelines on continuing professional competency. Since continuing education requirements for P.E. license renewal vary from state to state, ASCE strongly recommends that individuals regularly check with their state registration board(s) on their specific continuing education requirements that affect P.E. licensure and the ability to renew licensure. For details on your state's requirements, please go to: http://www.ncees.org/licensure/licensing_boards/.

Summary Outline

Earn 1.4 Continuing Education Units (1.4 CEUs)

- Pre-Award Phase
- Introduction to Design-Build
- Scoping the Project
- Writing Performance Criteria
- Performance Criteria Writing PE
- Discussion of PE
- Preparing DB RFQs and RFPs and evaluation plans
- DB RFP Case Study and Discussion
- Post-Award Phase DB Project Proposal Preparation
- DB Proposal Evaluation
- DB Contract Administration
- DB Quality Assurance/Quality Control (QA/QC)
- QA/QC Case Study & Discussion
- DB Progress Payments
- DB Fast-Track Issues

Who Should Attend?

Engineers and Architects who represent owners wishing to procure a project using Design-Build.

Large public and private owners who have in-house technical expertise and contract for their own design and construction services.

While this course is designed for owners, and construction managers, contractors and attorneys may also benefit from this seminar.

ASCE seminars are available for On-Site Training. For details regarding On-Site Training and/or needs-based training opportunities, please contact:

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