Seminar

June 7-8, 2021

Seattle, Washington

American Segmental Bridge Institute

Construction Practices for Segmental Concrete Bridges

The purpose of this Seminar is to provide guidance for construction of concrete segmental bridges. Although the segmental construction concept is generally very simple, the construction technology involved is, in numerous ways, more demanding than that required for other types of technology used in the industry. The use of concrete segmental bridge construction continues to grow throughout the United States and Canada. Increased use of this technology has led to a need to provide industry standard information for use by contractors, inspectors, quality control staff, and owners. In the interest of educating the industry, sharing best practices, and standardizing methods, this Seminar is intended to provide a basic understanding of segmental construction technology. The overall goal is to facilitate the construction process, avoid common difficulties previously encountered, and reduce impacts to projects. The Construction Practices Handbook is intended to be an industry guide aimed at focusing on specific aspects of the technology based on past experience.

Day 1

Morning Session	**Welcome and ASBI Course Introduction**
	Session 1—Cast-in-Place Segmental Construction **Segmental Overview**
	Cast-in-Place Segmental Construction
	Session 2—Precast Segmental Construction **Span-by-Span Erection**
	Balanced Cantilever Erection
Afternoon Session	**Session 2—Precast Segmental Construction (continued)** **Production of Precast Segments**
	Equipment for Handling, Transporting and Erecting Precast Segmental Bridges
	Session 3—Segmental Details **Geometry Control**
	Post-tensioning details
	Expansion Joint and Bearing System Selection
	Inspection—QC/QA

Day 2 on Next Page

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Day 2

Morning Session	**Session 4—Specialized Segmental Structures** Cable Stay Segmental substructures Incremental Launch **Session 5—Project Spotlight** **Session 6—Lessons Learned** Contractor Perspective Owner Perspective

Professional Engineering Development Hours

For Professional Engineers, we will provide certificates for 10 professional development hours on request for use in meeting Professional Engineering Registration requirements.