



# STRUCTURAL PRE-STRESS AND PRECAST CONTRACTORS TRADE KNOWLEDGE EXAMINATION CONTENT INFORMATION

May 2024

The Structural Pre-Stress and Precast Specialty Contractor portion of the specialty license examination is composed of 70 questions. It will be administered in one session via computer.

You should be prepared to respond to examination questions on any of the content areas listed. Questions asked and content areas tested on previous examinations should not be assumed to be the only possible questions to be asked or content areas to be tested on this examination.

The percentage of questions shown for each content area may vary by as much as plus or minus three (3) percent. Please refer to the Candidate Information Brochure and the Reference List for additional information.

## **Content Area 1** **7%**

### **Fundamentals of prestress and precast**

- knowledge of composition and properties of concrete
- knowledge of type of prestress and precast

## **Content Area 2** **14.25%**

### **Design and Planning**

- knowledge of construction documents
- knowledge of fabrication and shop drawings
- knowledge of erection drawings

## **Content Area 3** **14.25%**

### **Field Fabrication**

- knowledge of forming
- knowledge of placement of rebar
- knowledge of concrete mix design

## **Content Area 4** **36%**

### **Erection**

- knowledge of transportation
- knowledge of site safety
- knowledge of erection technique
- knowledge of crane operators
- knowledge of cutting, patching, welding, drilling, and coring
- knowledge of grouting

## **Content Area 5** **14.25%**

### **Safety**

- knowledge of hazard identification
- knowledge of personal Protection Equipment
- knowledge of fall protection
- knowledge of welding and rigging

## **Content Area 6** **14.25%**

### **Project Management**

- knowledge of construction documents
- knowledge of coordination
- knowledge of control lines and alignment