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Continuing Education Course #612
Lessons in Engineering during Construction

1. Which is NOT a typical role for an engineer during a construction project?
 - a. Welder
 - b. Special inspector
 - c. Commissioning coordinator
 - d. Construction manager
2. Which is NOT usually part of the "front-end documents"?
 - a. Contract
 - b. Typical details
 - c. Terms and Conditions
3. For a design-build project, who provides the "bridging documents"?
 - a. Owner
 - b. Engineer
 - c. Contractor
4. Why is the order of precedence of documents important?
 - a. It is not important
 - b. Incorporate addenda
 - c. Resolve contradictions
5. Which is true of a conformed set of drawings and specs?
 - a. Also called record drawings
 - b. Has addenda incorporated
 - c. Has permit requirements incorporated
6. When during construction can issues arise needing engineering support?
 - a. Preconstruction
 - b. Any time
 - c. Commissioning
7. Which is a way to prepare for a meeting?
 - a. Understand the purpose of the meeting
 - b. Decide on two or three goals for the meeting
 - c. Review pre-meeting documents
 - d. All of the above
8. Which are most important to include in meeting notes?
 - a. Decisions made and action items
 - b. Attendees and time of meeting

c. Next meeting time

9. What does PPE stand for?

- a. Precautionary Protective Equipment
- b. Personal Protective Engineering
- c. Personal Protective Equipment

10. Who may have a safety plan or procedures that apply to engineers visiting the site?

- a. Owner
- b. General Contractor
- c. Consultant
- d. All of the above

11. Which is NOT another word for a responsible engineer?

- a. Engineer in responsible charge
- b. Engineer of Record
- c. Command Engineer

12. What is the best way to provide technical guidance?

- a. Know the contract documents
- b. Review the latest pay application
- c. Review the latest construction schedule

13. If there is an issue with a subcontractor's work, whom should be informed?

- a. Subcontractor
- b. General Contractor and Owner
- c. Equipment Supplier

14. What can help define the responsibilities of each organization?

- a. Permit Matrix
- b. Periodic Matrix
- c. Responsibility Matrix

15. Which can help streamline workflows?

- a. CM Software
- b. Responsibility Matrix
- c. Schedule of Values

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