



Illinois Society of Professional Engineers - University of Illinois
College of Engineering
Professional Engineer On-Line Seminars



INSTRUCTIONS:

1. View the on-line seminar.
2. Complete the quiz below.
3. Complete the "Engineer Information" section.
4. Make a copy for your records.
5. Mail the quiz along with your \$20 payment (credit card information or check payable ISPE) to:
ISPE, 100 East Washington Street, Springfield, IL 62701.

If you score an 80% or better on the quiz, you will receive your certificate within 4 weeks. If you fail to earn an 80% score, the quiz will be returned to you and you will have the opportunity to retake it.

Each seminar/quiz is worth 1 Professional Development Hour.

QUIZ: 03-05
TOPIC: Bridge Engineering: The Other Structural Engineering
PRESENTER: John L. Carrato

1. According to Mr. Carrato, the Jefferson Barracks Bridge near St. Louis was the first implementation of :
 - a. A straight bracing system
 - b. A doubly asymmetrical span
 - c. A fiber-reinforced composite deck
 - d. An actively-controlled damping system
2. As of the time of this taping, the monetary value of the proposed re-authorization of TEA-21 is:
 - a. 1.6 Billion Dollars
 - b. 1.6 Trillion Dollars
 - c. 375 Billion Dollars
 - d. 375 Trillion Dollars
3. As of the time of this taping, the American Society of Civil Engineering estimates that, over the next five years, the amount of funding need to bring the public transportation infrastructure up to an acceptable level is:
 - a. 1.6 Billion Dollars
 - b. 1.6 Trillion Dollars
 - c. 375 Billion Dollars
 - d. 375 Trillion Dollars
4. The Metra Bridge disaster in Riverdale, Illinois caused the largest disruption of service in Metra's history. (circle) TRUE FALSE
5. Construction of the temporary replacement for the Metra Bridge in Riverdale, Illinois was finished in how many days?
 - a. 6
 - b. 7
 - c. 8
 - d. 9
6. Which of the following was *not* an advantage of using pre-stressed spliced bulb-tee girders for the concrete alternate design of the I-294 bridge over the Cal-Sag Channel?
 - a. They sped up bridge construction times
 - b. They were easily transported
 - c. They had low long-term cost
 - d. They had low initial cost

