Railroad Bridge Engineering

The Department of Civil and Environmental Engineering and the Construction Institute at the University of Hartford are offering a 2-day course for practicing engineers on the design and rating of steel railroad bridges. It is assumed that course participants will have a background in structural engineering, but not specifically in the field of railroad bridges.

The course will include photos of bridges and bridge components to better illustrate the lecture material. Each student will receive copies of portions of the AREMA specifications sections relating to bridge design and rating, in addition to other handout material.

LEARNING OBJECTIVES

1. To cover the basics of the different types of railroad decks.
2. To cover the current AREMA code requirements regarding steel bridges.
3. Go through a detailed step-by-step design of a railroad bridge, as well as the rating of an existing bridge.
4. Although concentration will be on steel bridges, discussion of concrete and wood structures will also be included.

WHO SHOULD ATTEND

• Civil engineers with a good structural background but no railroad engineering experience.
• Consultants, contractors and municipal and state officials who supervise or review railroad bridge design and construction activities.
• Students interested in the subject of railroad bridges.

REGISTER ONLINE:

construction.org/event/2018-01-09-Railroad-Bridge-Engineering

*Students of the University of Hartford and University of Connecticut may attend for a discounted rate of $40. University ID number is required at the time of registration.

INSTRUCTOR:

David Jacobs, M.S., PE, University of Hartford

David Jacobs teaches at the University of Hartford. He is retired from Metro-North Railroad and is an experienced senior manager. He was PM on Metro-North’s PECK drawbridge (Bridgeport), reconstruction of Manhattan’s Park Avenue tunnel and rehabilitation of Metro-North’s five movable bridges.