



Professional Engineers in Construction of NJ

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PEC FALL MEETING ANNOUNCEMENT
Technical Meeting:REGISTRATION FORM
Balanced Cantilever Segmental Bridge Construction
I-91 Brattleboro Bridge Improvement Project,
Brattleboro, Vermont

Earn 1.0 Professional Development Hour (PDH) NJ, NY & PA

DATE: Tuesday, December 2, 2014
LOCATION: Pines Manor - Rt. 27, Edison, New Jersey
TIME: Cocktails 6:00 P.M. Dinner-7: 00 P.M.
PROGRAM - 8:00 P.M.

WELCOME: Joseph Griffin, P.E., Chairman
PRESENTER: Garrett Hoffman, PE

FIGG Engineering Group

PDH Certificates {1.0 Hour} will be available to be picked up at the registration desk at the end of the presentation. (NJ, NY & PA)

Please register by Nov 25, 2014 PRINT all information clearly for your name tag and certificate information. **Request Certificate**

Please check box if needed

COST: \$60.00 If registered by 11/25/14(Please make check payable to PEC of NJ) Registrations after 11/25/14 will be \$65.00

Please register _____ person(s) for the PEC Seminar, Tuesday, 12/2/2014 at the Pines Manor - Edison, NJ. I am enclosing \$_____.

Or visit website pecofnj.org to register and pay on-line

Company Name and address-

PLEASE PRINT

Attendee Name

Attendee e-mail address

At the registration desk there will be the NJ/PA sign-in sheet - If you require the NY credit PLEASE make sure you sign in the NY Sheet & pick up the required material - Thank you

Note: If paying by check please submit registration form via email: info@pecofnj.org - We want to accommodate everyone and notify the venue of the amount of space needed. We appreciate your cooperation and help in registering early Thank you

If Paying by check Please remit to:

PEC of NJ ♦C/O V. Collins ♦

138 Beaver Brook Court, Holmdel, NJ 07733

NJPEC December 2, 2014 Technical Presentation



Balanced Cantilever Segmental Bridge Construction I-91 Brattleboro Bridge Improvement Project, Brattleboro, Vermont

The I-91 Brattleboro Bridge Improvements Project located in Brattleboro, Vermont includes the replacement of four bridges with two new bridges (Bridges 8 & 9). The best value selected, design/build project is being designed by FIGG Bridge Engineers, Inc. and built by PCL Civil Constructors, Inc. for the Vermont Agency of Transportation (VTrans). Bridge 8 will carry the northbound and southbound lanes of I-91 over a local road using NEXT Beams. Bridge 9 will be a new 3-span, 1,036-foot arching concrete bridge over the West River built utilizing balanced cantilever construction. Standing 100 feet above the scenic valley, the 515-foot main span forms an open gateway anchored by curving, cathedral piers. This postcard worthy bridge will feature viewing platforms for pedestrians, hikers and visitors at the base of each pier overlooking the West River and mountainous valley. True to its theme "A Bridge to Nature," every detail of the uniquely-shaped superstructure, piers, viewing platforms, and the railings will be complementary of the natural landscape. The piers will feature Vermont inspired, stone-formed concrete that blends with the local environment. A Visual Quality Advisory Team consisting of VTrans, local Aesthetic Committee members and FIGG will select eco-friendly concrete stain colors, platform railing designs, and other aesthetic details. The concrete cantilever construction process offers minimum impact when crossing busy Vermont Route 30, the West River, and popular West River Trail. Construction of the \$60 million project began in the fall of 2013 and the new structures will be open to traffic by spring 2016.

This presentation will highlight the unique aesthetic, design and construction details of a balanced cantilever dual cell, concrete bridge, cathedral piers and platforms overlooking the West River. The presentation will also focus on the design-build best-value selection and implementation of Vermont Agency of Transportation's largest design-build project.

Presenter: Garrett Hoffman, PE – FIGG Engineering Group

Garrett has been with FIGG for over 16 years and currently serves the Regional Bridge Engineer for the Northeast Regional Office. He has worked on numerous segmental bridge projects both as a designer and as an engineer on site during construction. He is licensed as a professional engineer in seven states including New Jersey and Pennsylvania. Locally, Garrett was the lead design engineer for the Route 35 Victory Bridge built by George Harms Construction for the New Jersey Department of Transportation, and was relocated to on site in New Jersey to serve as the Erection Engineer and then the Resident Engineer for the project. Garrett is currently the Design Project Manager for the PCL/FIGG Design Build Team constructing the I-91 Brattleboro Bridge Project. (VTrans).