



STRUCTURAL
ENGINEERING
INSTITUTE
Pittsburgh Chapter



BRADD Software for Automated Simple Span Bridge Design/Drafting – 25 Years and Still Moving Forward

Presented By

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PennDOT's Bridge Automated Design and Drafting (BRADD) Software for the design and drafting of simple span bridges has been a production tool for the Department since November 1988. Version 3.2.0.0 of the software, which is being made available in November 2013, includes the detailing and drafting of Integral Abutment Substructures.

Implementation of the design and drafting of Integral Abutment Bridges closes a significant gap in the type of single span bridges for which BRADD can be used. The new version of BRADD allows for the input and drafting of integral abutments for prestressed concrete spread I-beams, prestressed concrete spread box beams, steel rolled beams and steel plate girders. Integral abutment drafting includes the abutment plan and elevation (with the pile cap and piles), as well as either tapered or straight attached wingwalls. Detailed reinforcement labeling and a reinforcement bar chart are also produced. This capability enhances the functionality of the current production version of BRADD for the detailing and drafting of the approach slabs for integral abutment bridges. Thus, the old blanket excuse that BRADD does not do Integral Abutment Substructures, and thus cannot be used for the design and drafting of single span Integral Abutment Bridges, has been eliminated. This presentation's primary focus will be on the functionality of the design and drafting of single span Integral Abutment Bridges implemented in the November 2013 release of BRADD.

Date: Tuesday November 19, 2013

Time: Social Hour at 5:30pm, Dinner at 6:30pm, Presentation at 7:15pm

Location: Cefalo's, 428 Washington Ave, Carnegie, PA 15106

Cost: \$35 SEI/ASCE/ABCD members - \$50 non-members - \$10 students

*Please pay by cash or check at the door. Fee is transferable but **NOT** refundable – no shows will be billed.*

RSVP to Linda Kaplan at lkaplan@gfnet.com or 412-922-5575 by **November 14th, 2013**

Please include your membership status when registering.

1 PDH will be offered for attendance of this event.