

ENTRY FORM



DVASE 2018 Excellence in Structural Engineering Awards Program

PROJECT CATEGORY (check one):

Buildings under \$2M		Buildings Over \$100M	
Buildings \$2M-\$10M		Other Structures Under \$5M	
Buildings \$10M - \$30M		Other Structures Over \$5M	
Buildings \$30M - \$100M	X	Single Family Home	

Approximate construction cost of facility submitted:	\$50 million
Name of Project:	Bridge on Race
Location of Project:	205 Race Street, Philadelphia, PA
Date construction was completed (M/Y):	May 2016
Structural Design Firm:	The Harman Group, Inc.
Affiliation:	All entries must be submitted by DVASE member firms or members.
Architect:	Gluck+
General Contractor:	Jeffrey M. Brown Associates, Inc.

Company Logo (insert .jpg in box below)



Important Notes:

- Please .pdf your completed entry form and email to bsagusti@barrhorstman.com.
- Please also email separately 2-3 of the best .jpg images of your project, for the slide presentation at the May dinner and for the DVASE website. Include a brief (approx. 4 sentences) summary of the project for the DVASE Awards Presentation with this separate email.

Provide a concise project description in the following box (one page maximum). Include the significant aspects of the project and their relationship to the judging criteria.

Bridge on Race, a mixed-use apartment complex at 205 Race Street in Philadelphia's Old City, is an 18-story, 180,000 square foot, 146-unit residential building containing 10% affordable housing units and 14,000 square feet of street-level retail space. Other amenities include on-site car and bike parking, an outdoor roof deck, a fitness center, and an 8,000 square foot green roof.

The building was originally conceived structurally as modular. Due to the unusual geometry, financially, this structural system was not feasible. The Harman Group provided concept information for a filigree concrete system, which turned out to be cost effective. The project was bid and awarded based on concept level information.

Challenges for the structure included a wildly erratic column grid, significant slab cantilevers (up to 15'-0") and a large 5'-0" deep transfer beam at the 8th floor that cantilevers out 18'-0" to support the building above. With these cantilevers and a floor to floor façade system, structural deflections were critical. The Harman Group provided deflections (including creep) at several stages, including initial after shoring removal, at the time of façade erection, and long term.

The Harman Group was successful at maintaining the estimated construction quantities throughout the entire design, leading to a project that was structural on time and within budget.

- The following 5 pages (maximum) can be used to portray your project to the awards committee through photos, renderings, sketches, plans, etc...



Renderings by Volley Studio











By signing, signatory agrees to the following and represents that he or she is authorized to sign for the structural design firm of record:

All entries become the property of DVASE and will not be returned. By entering, the entrant grants a royalty-free license is granted to DVASE to use any copyrighted material submitted.

If selected as an award winner, you may be offered the opportunity to present your project at a DVASE breakfast seminar. Would you be willing to present to your colleagues? **YES** **NO**

Submitted by:

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