



# The Pennsylvania Society of Professional Engineers Philadelphia Chapter Hosting SouthEast Region Outstanding Engineering Achievement Award Grading Template for Judges

The Outstanding Engineering Achievement Awards Program strives to recognize projects, regardless of engineering discipline, that demonstrate engineering challenges and innovative solutions, communicate the importance of the Engineering Profession to society, and provide a clear and tangible benefit to the Greater Philadelphia Area and Delaware Valley Region. This year's program will follow this same principle, in that the Outstanding Award will be presented to one project that best meets these criteria as determined by our panel of judges, typically comprised of the presidents of the four chapters in the southeast region of Pennsylvania PSPE as well as the two chapters of Delaware Valley region of NJSPE. Nominated projects will be presented on ~~Thursday, December 1, 2022~~, online.

Thursday, December 7, 2023

**Award Program Guidelines provide that the selection criteria, in order of importance are:**

- 1) Demonstrate engineering challenges and innovative solutions**
- 2) Demonstrate the importance of the engineering profession to society**
- 3) Demonstrate a clear and tangible benefit to the Delaware Valley Region**

I, the Judge for the Philadelphia, Valley Forge & South Jersey County of (PSPE / NJSPE) hereby finds project PennDOT I-95 Emergency Repair best Innovative Solutions to Engineering Challenges:

Please write below the Engineering Challenge and Innovative Solution:

Engineering Challenge - need to reopen mainline lanes quickly

Innovative Solution - closing roadway underneath

Engineering Challenge - need to avoid impacts to underground utilities

Innovative Solution - use of lightweight aggregate

Engineering Challenge - need to consider future staging of permanent replacement structure

Innovative Solution - limited lane width, number of lanes, provided space for out-to-in staging for final structure

I, find the second best project demonstrating Innovative Solutions to Engineering Challenges to be: Arcola Road Roundabout:

Please write below the Engineering Challenge and Innovative Solution:

Engineering Challenge - need to maintain traffic

Innovative Solution - 7-stage traffic control scheme

Engineering Challenge - accommodating underground utilities found during construction

Innovative Solution - design changes quickly during construction

Engineering Challenge - adapting design to site grading / slopes

Innovative Solution - sloped plate design to minimize cuts and fills

**DO NOT CONSIDER SELECTION CRITERIA #2 UNLESS A TIE FOR CRITERIA #1  
DO NOT CONSIDER SELECTION CRITERIA #3 UNLESS A TIE FOR #1 and TIE FOR #2**

Honorable mentions: Battery Apartments, Philadelphia and PWD Central Lab renovations - TIE FOR #3