



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.

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 County of (PSPE) NJSPE hereby finds project
Langan: Laborer's District Council Education Center best Innovative Solutions to Engineering Challenges:

Please write below the Engineering Challenge and Innovative Solution:

Clear presentation of engineering challenge and innovative solutions. Given that this is a general engineering award and encompasses a presentation to multiple engineering disciplines, the presenter must make it clear what the challenges and innovations were.

Many engineering challenges presented, including stormwater management, dealing with poor site conditions for foundation, and space requirements. Innovative solutions involved how to handle the sloping site without producing obstructions and maintaining ADA access and incorporating multiple stormwater management methods (the most innovative appeared to be the graded permeable parking area with runoff weirs below. This project is definitely in the public eye and although they might not understand the complexities, it is clearly beneficial and reflects well on engineering.

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

Pennoni: Pennswood Road Bridge over Amtrack :

Please write below the Engineering Challenge and Innovative Solution:

Clear and explicit presentation of engineering challenges, innovative solutions, and other criteria related to the specific competition.

The engineering challenges included maintaining access, minimizing adjacent modifications, working within requirements of multiple parties, and improving the location. In addition, coordination with architects to improve and meld the visual and usability of the bridge relative to the old version were impressive.

Use of surrounding properties and available tools to maintain pedestrian access and working without interfering with the rail lines was innovative.

**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**