VALLEY FORGE CHAPTER

PENNSYLVANIA SOCIETY OF PROFESSIONAL ENGINEERS P.O. BOX 585 WORCESTER, PA 19490-0585

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REPLACEMENT OF TRAM MG SETS WITH VARIABLE SPEED DRIVES AT THE GATEWAY ARCH

- WEDNESDAY OCTOBER 23, 2019



Gateway Arch, St. Louis Missouri

- Harve Hnatiuk, PE, F.NSPE **Maida Engineering**
- Get a behind-the-scenes look at the Gateway Arch, and discover how 50-year-old arch trams that take visitors to its observation deck 630 feet above the ground have been updated with 21st century technology. Learn how site-related challenges were overcome with synergetic team building measures. We will describe the justifications for replacing the trams' motor-generator (MG) sets and DC motors with variable-frequency drives and AC motors. Over the course of this session, we will discuss design and engineering challenges associated with this complex project, and the creative solutions that were implemented.
- Get 1.0 professional development hour (PDH)

Where: Peppers Italian Restaurant & Bar

175 Town Center Rd. King of Prussia, PA 19406

Wednesday October 23rd When:

5:45 PM-6:30PM Networking

6:30PM-8:30PM Dinner & Presentation

PSPE Member: \$35 // Non-member: \$40 Cost: RSVP by: October 18th to Ben Foster, P.E. @ vfc.pspe@gmail.com

