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PSE&G goes with an AIL Sound Walls solution to control noise from New Jersey switching station

PSE&G is the electrical utility provider for most of New Jersey. They required an effective sound barrier wall solution to mitigate sound and visual impacts on neighbors from their new White Horse switching station in the Trenton area. An AIL Sound Walls solution was selected for the project.



Project at a glance:

Project: PSE&G White Horse Switching Station

Location: Trenton, NJ

Owner: PSE&G

Contractor: Burns & McDonnell

Product: Silent Protector (Absorptive)

Sector: Energy & Mining

Application: Switching Station Enclosure

Dimensions: 543' long x 8' high

Installation Time: Three weeks

AIL Sound Walls: benefits stacked in your favor

The benefits of our PVC sound barrier wall systems are stacked in favor of this type of project. Lighter weight means smaller foundations and posts and easier installation in tight spaces. Our systems also adapt easily to site variations and design requirements. Plus, our sustainable and low-maintenance panels come in a variety of attractive finishes and they will not rust, rot or stain.

Teamed with EPCM GC Burns & McDonnell on noise barrier wall project

Burns & McDonnell are a major Engineering, Procurement and Construction Management (EPCM) General Contractor (GC) in the energy field and we were stoked to be joining them on this project.

We worked very closely with them, firstly on a very thorough bid review, and then via weekly meetings once we moved into design and fabrication.

Sound barrier wall design altered to accommodate grade changes

Our design was altered to accommodate grade changes along the run of the wall and the need for grounding tabs to be welded to our posts, as per the electrical utility requirements. Our PVC panels are ideal for this type of application, being a non-conductive material. Our PVC sleeve/cap compression fitting post system encapsulates our steel posts, further preventing conduction.

We coordinated engineering and fabrication schedules to meet their timeframe and stored the material for them for a few months when the project was delayed. When they were ready, we facilitated an on-site pre-installation meeting with them.

The project came together quite well and positive feedback was received during and after the install. No complaints have been received from the neighbors since the install.



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