

May 9, 2022

Mr. Ryan Van Maarth
Forty Niners Stadium Management Company
4900 Marie P. DeBartolo Way
Santa Clara, CA 95054

RE: Levi Stadium – Electrical Primary Main Service Switchgear

Dear Ryan:

We have reviewed the information you provided by the third-party testing agency Apparatus Testing and Engineering (ATE) on the condition of your main electrical service switchgear "PMSG".

This switchgear has two incoming feeders from Silicon Valley Power and provides the main power to the stadium. It is critical that this switchgear operate all the time (24/7) and be well maintained to ensure the stadium has power every day without interruptions. Currently, there are several components within this switchgear that have failed and leave the stadium exposed to a power loss. It is our recommendation the following components in the switchgear be replaced immediately to maintain the reliability of the power system at the stadium:

1. Control Power Transformer (CPT). This work should include the replacement of the CPT drawer and CPT drawer rails to make the new components operational.
2. 48volt Switchgear Batteries. These are the original batteries for the switchgear that were tested and determined to be inoperable. In addition, since the downstream switchgear PSGA and PSGB utilize these same batteries and several of the batteries failed the test too, we recommend replacement of them as well.
3. Repair the control power throwover mis-wiring identified in the report from ATE on switchgear PSGA and PSGB.
4. Upon completion of the above, a qualified third-party should test and certify the installation is compliant with the latest NETA standards and verify the switchgear is functioning properly.
5. Procure replacement 12kV Spare Breaker(s). These breakers are used on the primary switchgear (PMSG) and the downstream switchgear (PSGA & PSGB) that serves the stadium substations. Due to the long procurement time (potentially over 16 weeks) and the importance of these breakers to the reliability of the system, we recommend the stadium have at least one spare breaker on-site, if not two spare breakers.

Ryan, if you have questions regarding our recommendations, please do not hesitate to call me.

Sincerely,
M-E ENGINEERS, INC.



Scott V. Gerard, P.E., LEED AP
Senior Principal