



# SAFE

## STADIUM AND FACILITY EVALUATION



## SAFE: Deployment To Nevada

Last year, Stadium and Facility Evaluation (SAFE) had the privilege of working at Nellis Air Force Base located in Las Vegas. Nellis is known by the USAF as the “Home of the Fighter Pilot” and its focus is advanced combat training. Nellis is the host of various air combat exercises such as Red Flag and close air support exercises such as Green Flag. The base’s main apron lighting pole structures, nearly 40 years old, required inspections and various maintenance-related activities. SAFE performed visual weld inspections and non-

destructive weld examinations of all critical welded connections. We also inspected the foundations and anchor bolts including ultrasound examination of the anchors.

In addition, the Base was concerned with pole vibrations as some structures were observed to be vibrating in second mode of vibration which involves deflection near the middle of the pole. Working in conjunction with Weld-in Construction, SAFE installed Smart Tower monitoring systems to structurally monitor the poles for six months. Smart Tower sensors

monitor structural oscillations and provide real-time updates and an up-to-date account of their structures’ health and current condition. Vibration dampers provided by Valmont were also installed on the poles to mitigate the risk of vibrations.

We had the opportunity to be in town during Aviation Nation in November, one of the largest air shows in the country. Seeing the Thunderbirds perform is always a thrill. Thank you to all of those who served and those who continue to serve in our armed forces! □

