



BERNIER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Installation of RPMs at Andrews Air Force Base, Maryland

Location: Andrews Air Force Base, Maryland

Scope: Installation and relocation of radiation portal monitor (RPM) systems and ancillary equipment at the Andrews Air Force Base

Berner Construction, Inc. was contracted by Pacific Northwest National Laboratory to complete the installation of RPMs, visual identification cameras and ancillary equipment at several entrance gates at the Andrews Air Force Base in Maryland. Pacific Northwest National Laboratory (PNNL), which is operated by Battelle Memorial Institute, is responsible for assistance in deploying RPM systems at various bases and installations as part of the Joint Program Manager Guardian – Installation Protection Program (JPMG-IPP).

The work at the Andrews Air Force Base included the relocation of existing RPMs from the North Gate to the Pearl Harbor Gate and the recommissioning of four primary RPM pairs that were previously installed at the Main Gate and Virginia Gate. The RPMs at each of the entrance gates are used to monitor private operated vehicles (POVs) as well as inbound cargo vehicles as they enter the Base.



Virginia Gate Placing Flowable Fill



RPMs Installed at the Pearl Harbor Gate

The project scope included excavation of approximately 4000 linear feet of trenching and directional drilling through areas that are heavily impacted by communications, power, stormwater, and potable lines. The submittal and approval process for excavation permits at each of the four gates was extensive, involving coordination among the utility companies, MD Miss Utility, Base personnel, private contractors, and PNNL representatives. Once the excavation permits were approved, Berner completed the trenching, conduit, and wiring installation. The trenches were backfilled with dyed flowable fill, then restored to pre-excavation conditions.

To minimize traffic interruptions, Berner closed one lane at a time and worked during the evening hours for the construction of the RPM installation at the Pearl Harbor Gate. The foundations were constructed, pipe bollards placed and filled with concrete, and the RPMs relocated from the North Gate during the evening hours.