

# Army National Guard Armory West St. Paul, MN

Progressive Consulting Engineers, Inc. was retained by the Army National Guard to design a secured outdoor parking area for National Guard vehicles at the West St. Paul Armory. Activities included PS&E for removal of existing bituminous surface, site re-grading, construction of a reinforced concrete parking area with drainage control, security fencing, and area lighting.

This project also included design of a Dual Doppler Security Monitoring System to detect intrusion of the secured area. Activation of the detector alerts local police and the statewide monitoring station; turns on high intensity lighting; and initiates video surveillance of the vehicle parking area. (Note: until more locations are installed, video surveillance and statewide monitoring will not be placed in service).

PCE engineering services included bid letting, construction supervision, and inspection.



**Client:** Army National Guard, Camp Ripley, MN  
**Client Contact:** Mike Nash, Facility Manager  
**Construction Year:** 2004  
**Project Cost:** \$80,000



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