



**Project Name:** Perimeter Fence  
**Customer:** USAF  
**Market:** Federal



**Scope:** Planning and construction of a 7 foot high barbwire topped fence that would encompass the entire 8 1/2 mile perimeter of Whiteman Air Force Base.

**Challenges:** Initial challenges included surveying the property boundary and developing a plan and method for working in the remote wooded areas of the property. The former was accomplished by the use of a 1942 Willy's Jeep to traverse the rough wooded terrain. Since the installation of the fence was a repetitive process, the subcontractor developed attachments for his bobcat to skim the soil along the fence line and a conveyor attachment to deliver the crushed rock for the mow strip.

To prevent losing the finite line of security formed by the fence, construction was completed by removing sections no longer than 1500 lineal feet at a time. Also included was the installation of frangible base connections at the north and south ends of the runway. These allow breakaway in the event an aircraft impacts the fence, without doing serious damage to the aircraft.

**Summary of Results:**

- In the wake of 911 and the subsequent Homeland Security Act, the Air Force analyzed the security of Whiteman Air Force Base. As a portion of making the base a more secure area, a perimeter fence was envisioned. The base was surrounded by various existing conditions, including open fields, barbed wire cattle fencing and wood rail fencing. The base boundary stretched for eight and a half miles along highways, farm land, cattle prairies and woodlands.