

FORT LEE A GATE ROUNDABOUT

PRINCE GEORGE, VIRGINIA



CLIENT:

Federal Highway Administration

CONTRACT AMOUNT:

\$2.3 million

DELIVERY METHOD:

Design-Build

CONTRACTOR:

Shirley Contracting Company

DESIGNER:

Dewberry Consultants LLC

COMPLETION DATE:

December 2012

The Shirley Design-Build team was selected by the Federal Highway Administration to construct a \$2.3 million roundabout and realignment of the highly traveled Jefferson Park Road, Allin Road, Bull Hill Road and Adams Avenue which connects the traveling public from the I-295 corridor to Route 460 and Interstate 95.

Located near the A Gate entrance to Fort Lee, the Project included removal and replacement of permanent security fencing; clearing and grubbing, E&S controls, placing 7000 cubic yards of imported fill, storm basin, roadway lighting, and a roadway sections including aggregate base and asphalt, curb and gutter, median, sidewalk, stamped colored brick concrete truck apron, right-of-way acquisition; utility coordination and relocation-Prince George County Water/Sewer and Prince George Electric CO-OP relocation; permitting and avoidance of cemetery sites.

The Shirley Team developed a staging plan as detailed in the MOT plan sheets to maintain all four legs of an existing intersection during construction. The Project involved constrained limits of construction with high voltage Dominion Transmission towers, a cemetery and residential housing on three sides of the site. Shirley Contracting accelerated the schedule by modification of the staging to allow for construction of legs as the circle was being constructed in Stage 2. Crews also accelerated Stage 3 by placing temporary pavement markings so that two-way traffic was maintained allowing both sides of each leg to be under construction at the same time vs. the originally planned one side at a time.

This successful design-build project benefits multiple end users including the traveling public and US Army personnel. The site is a major entrance to the US Army Garrison at Fort Lee and the Shirley Team effectively engaged all stakeholders throughout the three design phases and further adapted to owner directed changes. The Shirley Team created a fully-integrated and collaborative team with FHWA EFLHD and VDOT, Prince George County, and adjacent property owners, which resulted in innovative solutions and minimized impacts.