



Design-Build

Client

Prince William County

Location

Manassas, VA, USA

Sudley Manor Drive and Linton Hall Road Extension

In response to growing traffic volumes and congestion as well as continued residential development in and around the city of Manassas, Virginia, residents of Prince William County approved a bond referendum to finance additional road construction in the area.

Under the auspices of the Virginia Public-Private Transportation Act of 1995 (PPTA), CH2M HILL is designing and constructing improvements valued at \$30 million to Sudley Manor Drive and Linton Hall Road, two primary arterials located in one of the fastest growing areas of the county. As Prince William County's first design-build project involving a public-private partnership, these roadway improvements will enhance regional mobility and safety, and support continued economic development in the area.

Sudley Manor Drive will be constructed as a four-lane divided roadway on new alignment linking Linton Hall Road to Chatsworth Drive, where it will tie in with the existing Sudley Manor Drive. Approximately 2 miles in length, this segment will provide signalized intersections at Linton Hall Road, Wellington Road, and Prince William Parkway to enhance access from nearby residential subdivisions. A new bridge with mechanically stabilized earth (MSE) wall abutments will be built over the Norfolk Southern Railway and provide sufficient horizontal clearance to add another track in the future.



In addition, approximately 1 mile of Linton Hall Road will be reconstructed as a four-lane divided roadway on its existing alignment between Devlin Road and Broad Run. A traffic signal will be located at Devlin Road to ease local access to this major commuter route.

CH2M HILL is the prime contractor and lead designer responsible for delivering the project to Prince William County and its final acceptance by the Virginia Department of Transportation (VDOT) into the state highway system by October 31, 2006. Our work includes:

- Design and construction survey
- Design and construction of roadway and pavements, bridges and box culverts, signage and signals, and lighting

Other professional services include:

- Traffic studies
- Access control studies and approval
- Hydraulic and hydrologic analyses
- Geotechnical investigations and design
- Environmental mitigation, permitting, and monitoring, and purchasing wetland mitigation and stream mitigation credits from local mitigation banks

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- Right-of-way acquisition, including identifying right-of-way needs, negotiating with property owners, and purchasing right-of-way in the County's name
 - Utility relocations, including identifying all affected utilities and coordinating utility designs and relocation with utility owners