

ROUTE 7/ 607 INTERCHANGE

LOUDOUN COUNTY, VIRGINIA



CLIENT:

Loudoun County

CONTRACT AMOUNT:

\$23 million

DELIVERY METHOD:

Design-Build

CONTRACTOR:

Shirley Contracting Company

DESIGNER:

Dewberry Consultants LLC

COMPLETION DATE:

2010

In December 2007, Loudoun County awarded Dewberry a contract to complete the design and environmental permitting of the single point urban diamond interchange at the intersection of Route 607 (Loudoun County Parkway) and Route 7. The project includes construction of a two span bridge with a deck area of 40,000 square feet, over 400,000 cubic yards of excavation and embankment construction, 13,500 square feet of retaining walls, two box culvert extensions, a precast concrete arch, overhead signs, roadway lighting, a new signal, four new ramps and 0.6 miles of four lane roadway. Dewberry completed the design and obtained VDOT and Loudoun County approval of the interchange in May 2008. Dewberry continued to provide design support including attending construction coordination meetings, answering RFIs, and reviewing and approving shop drawings. Dewberry is also completed all construction inspection for the County to ensure that all work is in compliance with VDOT Standards and Specifications and will be accepted into the VDOT system upon completion.

Separately, Loudoun County awarded Shirley Contracting Company, LLC a \$23 million lump sum contract to construct the grade separated interchange. Shirley was responsible for relocating all utilities on the project including 2,800 linear feet of 30" water main, 2,500 linear feet of a 24" Washington Gas main, and construction of 4,000 LF of common duct bank for use by Verizon, MCI, Abovenet, Qwest Communications, Cavalier Telephone, XO Communications, Level 3, and AT&T. Shirley prepared an aggressive CPM Schedule to integrate the utility relocations and construction activities for completion of the entire project in just eighteen months.