

**BOARD OF SUPERVISORS  
FINANCE/GOVERNMENT OPERATIONS AND  
ECONOMIC DEVELOPMENT COMMITTEE  
ACTION ITEM**

**SUBJECT:** **AWARD AUTHORITY INCREASE/Architectural and Engineering Design Services for the Route 7/659 Interchange**

**ELECTION DISTRICT:** Ashburn

**CRITICAL ACTION DATE:** May 10, 2016

**STAFF CONTACTS:** Joe Kroboth, Transportation and Capital Infrastructure  
Melissa Tello, Transportation and Capital Infrastructure  
Christopher Bresley, Finance and Procurement

**PURPOSE:** To increase the award authority of the Architectural and Engineering Design Services for the Route 7/659 Interchange contract by \$100,000.

**RECOMMENDATION:** Staff recommends that the Finance/Government Operations and Economic Development Committee (FGOEDC) authorize the Purchasing Agent to increase the award authority for the Architectural and Engineering Design Services for the Route 7/659 Interchange contract awarded to Dewberry Consultants, LLC by \$100,000 for a new total amount of \$2,805,100.

---

**BACKGROUND:** This project is one of a series of interchange projects aimed at creating a limited access corridor along Route 7 in Loudoun County. This particular intersection has been recognized, for many years, as one of the most highly congested locations in the County. On June 30, 2008 Loudoun County entered into a contract with Dewberry Consultants, LLC to design the Route 7/Route 659 interchange in the amount of \$1,721,638 with an expenditure of \$548,520 authorized for the preliminary engineering and design. This contract award was approved by the Board of Supervisors (Board) on June 3, 2008. At that time, staff recommended taking the design to 30% plans rather than final plan design because a funding source for utility relocation, right-of-way and construction had not been identified.

On June 16, 2009, the Board approved (9-0) a single point urban interchange as the preferred design concept for the interchange proposed at Route 7 and Route 659. At the December 15, 2010 Finance/Government Services and Operations Committee (FGSOC) meeting (4-0-1, Waters absent), the Committee authorized the Purchasing Agent to increase the award authority for the Architectural and Engineering Design Services for the Route 7/659 Interchange contract

in the amount of \$63,500 for the preparation of the National Environmental Protection Act (NEPA) document.

Finally, at its April 13, 2011 meeting the FGSOC (4-0-1) authorized an increase in the contract in the amount of \$635,311 to extend the footprint of the widening of Route 659 associated with the interchange from its original project limits of future Russell Branch Parkway to south of Gloucester Parkway, to update the 30% design plans and to prepare noise wall design plans for the northwest quadrant making the new contract total \$2,356,949.

**ISSUES:** The Board awarded the contract for the construction of the Route 7/659 Interchange to Shirley Contracting, Inc. on May 20, 2015. The Notice to Proceed was issued on September 8, 2015 and construction activity is ongoing. Construction completion is currently planned for the summer of 2018. Utility relocation work for the project began in December 2014 including relocations by Washington Gas, Dominion Virginia Power and Verizon as well as other communications providers. Originally planned for completion in the Fall of 2015, utility relocation work has been ongoing and concurrent with the start of construction. Throughout the course of construction, Dewberry Consultants LLC, as the Engineer of Record, provides construction administration services including submittal review, responses to Requests for Information, attendance at progress meetings and coordination of the utility relocation work including surveying/stake out required for the utility relocation activities.

An additional change order of \$100,000 for Dewberry's contract is now needed to provide additional construction support, additional field surveying and utility coordination efforts. These efforts include attending meetings and ongoing coordination with utilities companies as well as additional surveying for utility relocation and confirmation of quantities relative to the site work and other construction phase support anticipated through the completion of the project's construction phase.

The approval of this change order is pending the approval of the FGOEDC. This change order combined with the previous change orders has exceeded staff authority. Since April 13, 2013, a total of \$448,151 in change orders has been requested with \$348,151 having been approved under staff authority. These change orders were for the following:

- (CO #4) Consultant to perform design and prepare construction documents for additional drainage pipe profiles, preparation of a Stage 1 Bridge Report and a waiver/exception, and a final design Noise Analysis Report required by VDOT as well as additional utility coordination/designation and test pit efforts. Cost for this change order was \$121,460.
- (CO #5) Consultant to perform design and to prepare construction documents based on final utility coordination with Loudoun Water to include water main relocations, water main upgrades (betterment) and sanitary sewer facility upgrades (betterment). Cost for this change order was \$73,741.
- (CO #6) Consultant to prepare registration statements and pay application fees for the Virginia Stormwater Management Program (VSMP) permit for the project. Cost for this change order was \$10,350.
- (CO #7) Consultant to develop unit quantities in construction documents necessary for advertisement of construction with a unit-based contract. Cost for this change order was \$16,500.

- (CO #8) Consultant to provide surveying services for stake out of utility work by Dominion Virginia Power and Verizon for easements and pole locations. Cost for this change order was \$31,600.
- (CO #9) Consultant to provide surveying services for re-staking of utility work by Dominion Virginia Power for easements and pole locations along Route 7. Cost for this change order was \$7,500.
- (CO #11) Consultant to provide additional construction administration services, utility coordination and surveying services. Cost for this change order was \$87,000.

**FISCAL IMPACT:** Sufficient funding is available in the Route 7/659 Interchange design project account in the Capital Fund to increase the contract award authority by \$100,000 for a new award authority amount of \$2,805,100. The total budget for the project is \$7.4 million, consisting of \$3,200,000 in State Revenue Sharing funding, \$2,250,000 in local gasoline tax funding and \$1,950,000 in cash proffer funding. The current unspent and unencumbered balance in the project account totals \$6,159,623.

**ALTERNATIVES:**

1. Authorize the Purchasing Agent to increase the award authority for the Architectural and Engineering Design Services for the Route 7/659 Interchange contract awarded to Dewberry Consultants, LLC by \$100,000 for a new total amount of \$2,805,100.
2. Do not authorize the award authority increase and direct staff on how to proceed.

**DRAFT MOTIONS:**

2. I move that the Finance/Government Operations and Economic Development Committee authorize the Purchasing Agent to increase the award authority for the Architectural and Engineering Design Services for the Route 7/659 Interchange contract awarded to Dewberry Consultants, LLC by \$100,000 for a new total amount of \$2,805,100.

OR

1. I move an alternative motion.