

From: [Cutright, Jeffrey C., E.I.T.](#)
To: [Thrasher, B. A. "Bart", P.E.](#)
Cc: [Cross, Matthew T.](#)
Subject: C"ville Project Est.
Date: Friday, June 24, 2011 12:32:47 PM

Bart,

Matt verified his Transport quantity entries matched those provided by PB. He also further researched the rock excavation unit cost. During the past two years, the lowest rock excavation cost VDOT has received was \$63.00/cubic yard. That equates to \$82.40/cubic meter. He reviewed the plans and boring data and based on the means and methods he thinks a contractor will use (controlled blasting with tight drill patterns, blast mats, removal by excavator and transport by trucks), he believes \$300 - \$400/cubic yard is an appropriate estimate. With this in mind, the construction estimate total is approximately \$350,000,000. At the lower end of the range, you use the \$82.40/cubic meter price, the total is approximately \$255,000,000. Using the lower number with the additives Mohammad developed yesterday minus his rock excavation additive the total is approximately \$370,000,000 or [$\$255,000,000 + (\$140,000,000 - \$25,000,000)$] = \$370,000,000. Using those same additives the high end would be \$465,000,000. Mohammad asked me to arrange a meeting with Kerry, Matt and me this afternoon so that the four of us could discuss and hopefully reach agreement. Unfortunately, Kerry is off (Dr. appointment), so that isn't going to happen. I developed the spreadsheet Mal wants but put a large question mark in the cost column. I'm going to let someone higher in the organization determine the appropriate cost and I will document it for the records. You made a good decision taking off today. Wish I had as well. Have a fun weekend! See you next week.

Jeff

Jeffrey C. Cutright, E.I.T.

Project Development Program Administrator

1401 East Broad Street, Room 712, Annex Bldg.

Richmond, Virginia 23219

Phone: 804-225-4958; Fax: 804-786-9311; Cell Phone: 804-513-7161

E-mail: jeffrey.cutright@vdot.virginia.gov