

Cost and Comparisons

Road Length (miles)	Route D			Route G		Bridge Location
	Contract 1	Contract 2	Total	Total		
			7.31	4.88		
Pavement	\$ 8,687,593	\$ 12,038,305	\$ 20,725,898	\$ 10,603,357		
Earthwork ***	\$ 8,004,899	\$ 8,391,745	\$ 16,396,644	\$ 7,231,887		
Guardrail	\$ 454,248	\$ 271,196	\$ 725,444	\$ 482,151		
Drainage Items	\$ 540,549	\$ 974,334	\$ 1,514,883	\$ 375,175		
Erosion Control	\$ 3,346,679	\$ 2,108,006	\$ 5,454,685	\$ 3,638,935		
Misc Items	\$ 1,111,153	\$ 453,657	\$ 1,564,810	\$ 385,014		
Traffic Control	\$ 670,000	\$ 585,000	\$ 1,255,000	\$ 1,170,000		
Signing & Marking	\$ 1,238,457	\$ 818,442	\$ 2,056,899	\$ 438,657		
Right-of-Way *****	\$ 41,843,285	\$ 10,445,468	\$ 52,288,753	\$ 42,288,753		
Structures						
Bridge 1 LT	\$ 2,832,900		\$ 2,832,900	\$ 2,832,900		Nancy Creek
Bridge 1 RT	\$ 2,832,900		\$ 2,832,900	\$ 2,832,900		Nancy Creek
Bridge 2 LT	\$ 658,224		\$ 658,224	\$ 658,224		Mac Johnson Rd.
Bridge 2 RT	\$ 658,224		\$ 658,224	\$ 658,224		Mac Johnson Rd.
Bridge 3 LT	\$ 1,531,056		\$ 1,531,056	\$ 1,032,014		Unnamed Stream / Rudy York Rd.
Bridge 3 RT	\$ 2,600,439		\$ 2,600,439	\$ 1,032,014		Unnamed Stream / Rudy York Rd.
Bridge 4 LT	\$ 1,754,522		\$ 1,754,522			Grassdale Rd.
Bridge 4 RT	\$ 1,754,522		\$ 1,754,522			Grassdale Rd.
Bridge 5	\$ 1,078,000		\$ 1,078,000			Old Grassdale Rd.
Bridge 6 LT	\$ 957,136		\$ 957,136			Peebles Valley Rd.
Bridge 6 RT	\$ 957,136		\$ 957,136			Peebles Valley Rd.
Bridge 7 LT	\$ 1,410,874		\$ 1,410,874			CSXT RR and Spur
Bridge 7 RT	\$ 1,668,475		\$ 1,668,475			CSXT RR and Spur
Bridge 8 LT	\$ 1,402,476		\$ 1,402,476			Industrial Park Rd./Pettit Creek Tributary
Bridge 8 RT	\$ 1,088,229		\$ 1,088,229			Industrial Park Rd./Pettit Creek Tributary
Bridge 9 LT	\$ 4,565,344		\$ 4,565,344			Pettitt Creek
Bridge 9 RT	\$ 4,565,344		\$ 4,565,344			Pettitt Creek
Bridge 10 LT	\$ 797,455		\$ 797,455			CSXT RR
Bridge 10 RT	\$ 751,022		\$ 751,022			CSXT RR
Bridge 11 LT	\$ 818,974		\$ 818,974			SR 61
Bridge 11 RT	\$ 818,974		\$ 818,974			SR 61
Bridge 12		\$ 3,358,844	\$ 3,358,844			I-75 interchange
Bridge 13	\$ 1,003,733		\$ 1,003,733			Ramp A over CSX RR/SR 293
Bridge 14						
Bridge 15						
Total Bridges ****	\$ 36,505,959	\$ 3,358,844	\$ 39,864,803	\$ 14,943,470		
Other Structures	\$ 5,732,962	\$ 3,554,062	\$ 9,287,024	\$ 2,837,721		
Total Structures	\$ 42,238,921	\$ 6,912,906	\$ 49,151,827	\$ 17,781,191		
Total Construction (without R/W)			\$ 98,846,089 *	\$ 42,106,368 **		

* From GDOT Cost Estimate (dated 1/7/2009)
 ** Engineer's Cost Estimate
 *** See Earthwork Narrative
 **** Later GDOT study, dated 2/11/2008, calculates bridge costs at \$40,545,057
 ***** Right-of-way cost estimate for Route G is preliminary, and may be significantly higher

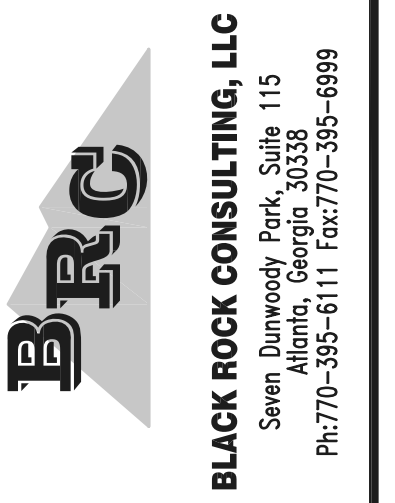
Estimate Report - Comparison of Routes D and G

	ROUTE D	ROUTE G
Construction Cost Estimate	\$ 98,846,476.45	\$ 42,106,368.01
5% E & I	\$ 4,942,323.82	\$ 2,105,318.40
Construction Contingency	\$ 2,965,394.29	\$ 1,263,191.04
Total Fuel Price Adjustment	\$ 9,393,797.88	\$ 4,001,545.88
Total Liquid AC Adjustment	\$ 5,932,353.85	\$ 2,527,048.83
Total Construction	\$ 122,080,346.29	\$ 52,003,472.17
Right of Way Cost Estimate	\$ 52,288,753.00	\$ 42,288,753.00
Utility Cost Estimate	\$ 6,319,000.00	\$ 3,159,500.00
Utility Contingency	\$ 1,895,700.00	\$ 947,850.00
Total Utility	\$ 8,214,700.00	\$ 4,107,350.00
Project Total	\$ 182,583,799.29	\$ 98,399,575.17

Road Comparison Variables

- Length of Route D is 2.43 miles longer than Route G
- Route D has 13 bridges / Route G has 6 bridges
- Environmental Impacts to Wetlands, Streams, and the Pettit Creek / Etowah River Watershed are significantly greater for Route D than for Route G
- Quantity and type of excavation required for Route D is more expensive than for Route G - 5.1 million cubic yards versus 2.8 million cubic yards. Additional expense for rock blasting and excavation through Dobbins Mountain (as required for Route D) will be substantial and was not included in DOT's cost estimate.
- Required Right-of-Way for Route D is more expensive than for Route G - \$52.29 million versus \$42.29 million. Route D ROW cost is based on GDOT Location and Design Report, dated 2/11/2009 and Cost Estimate dated 1/7/2009. Route G ROW cost is based on a professional appraiser's preliminary estimate.

Overall Construction Cost for Route D is significantly more expensive than for Route G - \$182,583,799 versus \$98,399,575
 Total Difference = \$84,184,224



Project No.	51013
Design By:	
Drawn By:	
Checked By:	
Date:	5/10
Scale:	

GA DOT IMPACT STUDY EXHIBIT
 411 CONNECTOR GA SR. 500
 BARTOW COUNTY, GEORGIA