
**Dominion Boulevard Improvements with Toll System
VDOT Initial Financial Plan
February 1, 2012**

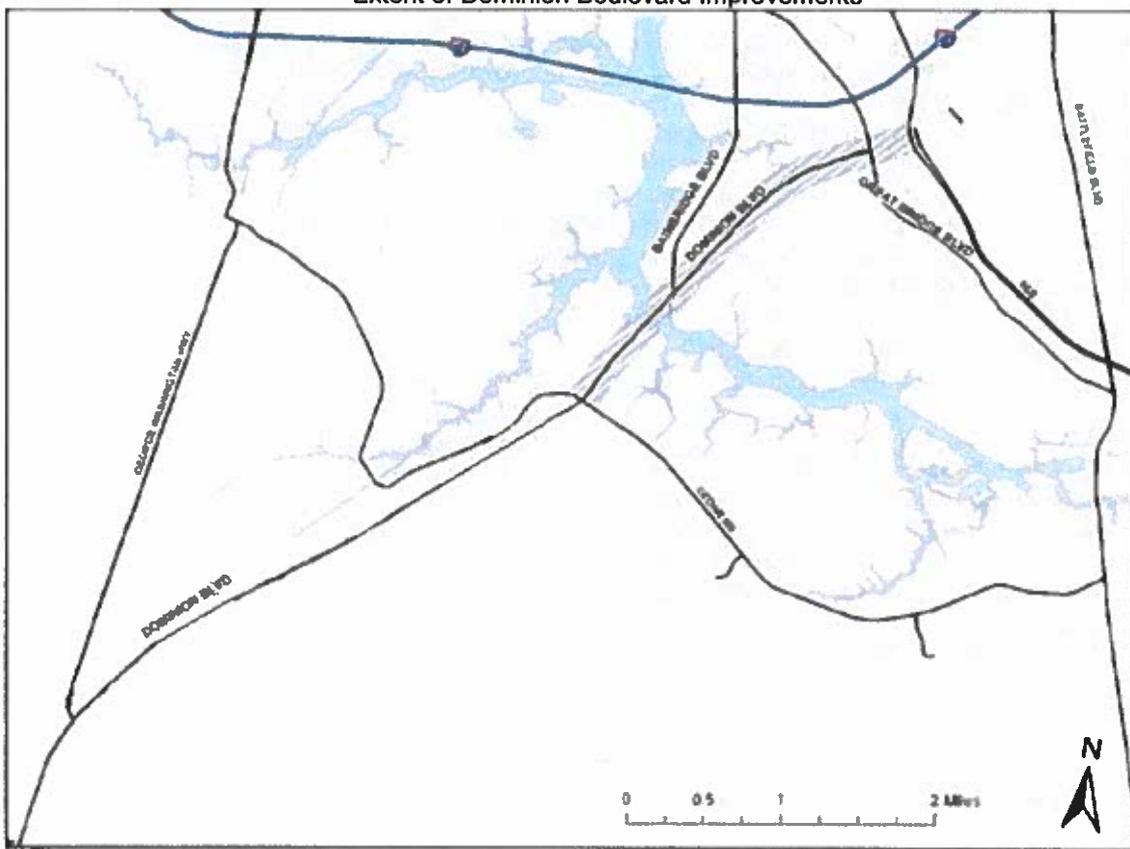
2018 Annual and Final Update

Section 1 – Summary

Project Description

The Dominion Boulevard Project [State Project (FO) 6017-131-109, PE101, RW201, C501, B608, Federal Aid Project No. STP-104-5(001) and HPP-0017-5] involves bridge and roadway improvements along Dominion Boulevard between I-64/464 and Cedar Road. The existing corridor is primarily a two-lane arterial highway with a bridge (referred to locally as the “Steel Bridge”) over the Atlantic Intracoastal Waterway/Southern Branch of the Elizabeth River that requires frequent bridge openings due to a substandard height. The proposed project would replace the Steel Bridge and convert Dominion Boulevard into a 4-lane tolled freeway for the full length of the 3.8-mile corridor, and construct interchanges at Great Bridge Boulevard, relocated Bainbridge Boulevard, and Cedar Road.

Extent of Dominion Boulevard Improvements



Funding of the project is proposed to come from a system of toll facilities that includes Dominion Boulevard and the Chesapeake Expressway revenues. On October 26, 2010 Chesapeake City Council created by resolution the Chesapeake Transportation System (CTS) comprised of the Chesapeake Expressway and Dominion Boulevard. The new toll facility of this system, Dominion Boulevard, will be operated as 100% Open Road Tolling (ORT), and thus ORT collection equipment will be added to the facility.

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Project Schedule

The following chart illustrates the actual start and completion dates of the Project elements.

PROJECT IMPLEMENTATION SCHEDULE

<u>Element</u>	<u>Start Date</u>	<u>Completion Date</u>
Preliminary Engineering	04/02/2004	12/31/2010
Right-of-Way	11/01/2010	06/30/2012
Construction	07/01/2012	2/24/2017*

*Original estimated completion date of June 2016 was determined prior to bid and award of construction contract. Award process took longer than initially anticipated.

Section 2 – Project Cost Estimate

The original project estimate was \$411,739,900.

The following table provides the current total estimated costs of the Dominion Boulevard Project including contingency funds as of February 28, 2018:

Based on the last Annual Update, the capital cost estimate has been reduced from \$324,214.2 to \$316,914.1.

CAPITAL COST EXPENDITURE SCHEDULE

(\$, Year-of-Expenditure, in thousands)

	Previous	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017	2017- 2018	2018- 2019	TOTAL
Engineering	14,865.10	-	294.4	-	-	-	-	-	15,159.50
Construction	-	31,642.10	83,130.40	41,861.30	34,133.10	12,848.70	3275.9	-	206,891.50
Admin/Inspection	-	3,064.10	6,321.20	6,588.70	5,090.80	2,562.40	15.7	-	23,642.90
Right of Way	28,621.90	20,667.10	8,641.80	2,326.00	2,346.70	1,618.00	213.7	6	64,435.20
Utilities	-	5,420.10	672.9	486	111.5	63.6	25	-	6,779.10
Wetlands	-	358.9	-	-	-	-	-358.9	-	0.00
Incentive Clause	-	-	-	-	-	2,917.00	-2917	-	0.00
TOTAL	43,487.10	61,152.20	99,110.70	51,262.00	41,682.10	20,009.70	254.4	6	316,914.10

Overall, the final Project budget has been reduced from \$344,942.8 to \$316,914.1 based on actual construction cost to include any increases in costs based on quantity fluctuations; steel, fuel, and asphalt adjustments; all Change Orders including differing site conditions or owner requested changes, and the early completion incentive payment. In addition, the final project budget reflects the actual cost to cover each of the following: right of way; inspection and administration; utility relocations.

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Section 3 – Project Financing

The Table below sets forth the estimated sources and uses of funds, exclusive of accrued interest, in connection with the construction financing of the Dominion Boulevard Project and refunding of the 1999 Bonds.

SOURCES OF FUNDS	
<i>(\$, in thousands)</i>	
Series 2012 Par Amount	150,722.5
Net Original Issue Premium	<u>7,823.6</u>
Total Senior Bond Proceeds	158,546.1
VTIB Loan (Original Contract \$151,893, 2) \$147,768, Final budget \$119,768)	119,768.0
Previously Allocated Funds for Dominion Blvd Project	90,954.7
*Includes VDOT oversight fees	
Series 1999 Debt Service & Debt Service Reserve Funds	2,713.9
Construction fund interest earnings	<u>208.0</u>
Total Sources	372,190.7

USES OF FUNDS	
<i>(\$, in thousands)</i>	
Dominion Blvd Project Costs	316,914.1
Refunding of 1999 Bonds	19,318.5
Issuance Costs	1,851.5
Deposit to Capitalized Interest Fund	19,996.0
Debt Service Reserve Account	<u>13,057.8</u>
Total Uses	371,137.9

The source of funds accounts for actual contract costs.

*The VTIB is to be the last source of funds used for project expenses. Any remaining funds at the end of construction will revert to the VTIB account.

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Toll System Cash Flow

The table and graph below summarize the projected toll system cash flow over the life of the anticipated bond and VTIB loan. Pledged revenues are projected to fully cover all debt service.

Bond Year Ending July 15	Pledged Revenues	Senior Net Debt Service	Excess Revenues	Minimum Principal and Interest Payments on VTIB Bond	Operations Reserve Deposits	Renewal and Replacement Fund Deposits	Additional Principal and Interest Payments on VTIB Bond	Surplus Revenues	VTIB Debt Service Reserve Fund Deposits	Surplus Revenues Less VTIB Debt Service Reserve Fund Deposits	Deposit to Repayment of VDOT TFRS Loan	Deposit to Repayment of Urban Allocation Monies	Deposit to General Reserve Fund
2013	\$ 7,028,113	\$ 477,535	\$ 6,550,579	-	-	\$1,000,000	-	\$ 3,550,579	-	\$ 3,550,579	-	-	\$ 3,550,579
2014	7,379,992	716,302	6,663,691	-	-	3,500,000	-	3,163,691	-	3,163,691	-	-	3,163,691
2015	7,742,946	716,302	7,026,644	-	-	3,500,000	-	3,526,644	\$926,139	2,600,505	-	-	2,600,555
2016	8,286,742	716,302	7,570,440	-	-	3,500,000	-	4,070,440	4,070,440	-	-	-	-
2017	10,171,059	716,302	9,454,757	-	\$595,840	3,500,000	-	5,358,917	5,003,421	355,496	-	-	355,496
2018	13,740,587	5,501,572	8,239,015	-	411,984	3,500,000	-	4,327,031	-	4,327,031	-	-	4,327,031
2019	16,519,587	6,618,222	9,901,365	\$5,781,410	1,471	3,500,000	\$ 618,484	-	-	-	-	-	-
2020	18,525,914	7,415,222	11,110,692	5,781,410	37,952	3,500,000	1,791,330	-	-	-	-	-	-
2021	20,452,733	8,182,822	12,269,911	5,781,410	-	3,500,000	2,988,501	-	-	-	-	-	-
2022	22,103,503	8,847,822	13,255,681	5,781,410	40,875	3,300,000	3,933,396	-	-	-	-	-	-
2023	23,703,616	9,486,322	14,217,294	5,781,410	5,543	3,570,605	4,859,736	-	-	-	-	-	-
2024	24,735,081	9,897,834	14,837,247	5,781,410	114,561	3,570,605	5,360,671	-	-	-	-	-	-
2025	26,462,174	10,025,434	16,436,739	5,781,410	17,866	3,570,605	5,208,274	-	-	-	-	-	-
2026	27,771,867	10,029,434	17,742,432	5,833,100	130,453	3,570,605	10,568,723	-	-	-	-	-	-
2027	29,952,254	10,014,434	19,937,819	5,779,674	18,817	3,570,605	10,837,994	-	-	-	-	-	-
2028	31,217,533	10,890,184	20,327,349	5,779,674	119,076	3,570,605	12,806,933	-	-	-	-	-	-
2029	33,386,261	11,134,659	22,251,601	5,874,064	-	3,570,605	11,882,566	-	-	-	-	-	-
2030	34,725,908	11,064,422	23,661,487	6,072,724	135,592	3,570,605	15,557,822	-	-	-	-	-	-
2031	37,187,041	11,323,484	25,863,557	6,735,130	-	3,570,605	17,043,821	-	-	-	-	-	-
2032	39,512,661	11,495,934	28,016,727	7,273,492	128,809	3,570,605	16,469,987	-	-	-	-	-	-
2033	41,749,638	11,604,859	30,144,778	7,915,127	16,360	5,743,305	-	24,644,930	-	24,644,930	524,644,930	-	-
2034	43,139,930	11,460,753	31,679,176	1,100,131	190,811	5,743,305	-	38,212,421	-	38,212,421	33,004,550	\$ 5,207,871	-
2035	55,548,480	11,566,041	43,982,439	-	26,713	5,743,305	-	29,733,449	-	29,733,449	-	29,733,449	-
2036	47,100,342	11,423,291	35,677,051	-	200,297	5,743,305	-	32,681,340	-	32,681,340	-	3,117,026	29,564,314
2037	50,041,467	11,598,716	38,442,752	-	18,107	5,743,305	-	34,517,875	-	34,517,875	-	-	34,517,875
2038	51,991,369	11,521,472	40,469,897	-	208,717	5,743,305	-	37,763,253	-	37,763,253	-	-	37,763,253
2039	55,208,788	11,682,772	43,526,017	-	19,459	5,743,305	-	39,820,880	-	39,820,880	-	-	39,820,880
2040	57,382,117	11,605,428	45,776,689	-	212,504	5,743,305	-	44,330,338	-	44,330,338	-	-	44,330,338
2041	60,945,117	10,849,922	50,095,195	-	21,552	5,743,305	-	46,137,910	-	46,137,910	-	-	46,137,910
2042	63,614,786	11,517,422	52,097,364	-	216,149	5,743,305	-	49,067,563	-	49,067,563	-	-	49,067,563
2043	67,691,187	12,732,422	54,958,765	-	14,993	5,876,604	-	51,799,795	-	51,799,795	-	-	51,799,795
2044	70,691,187	12,785,172	57,906,015	-	229,616	5,876,604	-	56,448,629	-	56,448,629	-	-	56,448,629
2045	75,175,695	12,831,422	62,344,273	-	19,039	5,876,604	-	59,605,010	-	59,605,010	-	-	59,605,010
2046	78,665,806	12,880,172	65,785,634	-	244,029	5,876,604	-	64,735,908	-	64,735,908	-	-	64,735,908
2047	83,603,212	12,967,111	70,636,101	-	23,589	5,876,604	-	-	-	-	-	-	-