



# **Dulles Corridor Metrorail Project**

**MONTHLY COST AND SCHEDULE UPDATE  
FOR PHASES 1 AND 2  
AS OF JULY 31, 2014**

**SEPTEMBER 2014**

## Phase 1 Cost Summary

July Expenditures	\$	30.7 Million
Total Expenditures	\$	2.725 Billion
Forecast at Completion	\$	2.905 Billion

## Phase 1 Contingency Utilization

Total Contingency	\$ 462.3 Million
Contingency Utilized through June 2014	\$ 447.8 Million
Contingency Utilized in July 2014	- \$ 6.9 Million
Total Contingency Utilized through July 2014	\$ 440.9 Million
Remaining Contingency	\$21.4 Million

## Phase 1 July Contingency Utilization

<b>Total Contingency Utilized in July 2014</b>	<b>- \$ 6.9 Million</b>
• Reverse excess funding for Commodity Escalation	- \$15.0 Million
• Project Management Support thru Dec-2014	\$ 7.0 Million
• Rent Extension thru Dec-2014	\$ 1.1 Million
• Changes to Miscellaneous and Ornamental Metals	\$ 0.3 Million
• Elevators and Escalator Equipment Maintenance at Tysons Central 123 South Pavilion	\$ 0.5 Million
• Reverse excess funding for Trackwork and Contract Rail-Ballast	- \$ 0.9 Million
• Miscellaneous (items less than \$0.1 million)	\$ 0.1 Million

## Status of Phase 1 Activities

- April 9, 2014 Substantial Completion Achieved
- May 27, 2014 WMATA Operational Readiness Date Achieved
- July 23, 2014 WFCY Substantial Completion Achieved
- July 26, 2014 WMATA Revenue Operations Date Achieved
- Activities Extending beyond Revenue Service Date:
  - Power frequency track circuits/bobbing track circuits – WMATA performed
  - Loss of Speed Read Outs (LSROs) / cab flips
  - Art in Transit
  - Heat Tape equipment modifications and testing
  - Punch list
  - Deficiency work and late changes that were mutually agreed to be delayed to Post-ORD via WMATA Cooperative Agreement Amendment #5.

## Phase 2 Cost Summary

July Expenditures	\$	7.0 Million
Total Expenditures	\$	286.2 Million
Total Budget	\$	2.778 Billion
Total Forecast	\$	2.778 Billion

## Phase 2 Contingency Utilization

Total Contingency	\$ 551.5 Million
Contingency Utilized through June 2014	\$ 3.0 Million
Contingency Utilized in July 2014	\$ 0.4 Million
Total Contingency Utilized through July 2014	\$ 3.4 Million
Remaining Contingency	\$548.1 Million



## Phase 2 July Contingency Utilization

Total Contingency Utilized in July 2014	\$ 0.4 Million
• Perimeter Security Wayside Building Management	\$ 0.2 Million
• Miscellaneous (Items less than 0.1 million)	\$ 0.2 Million



## Phase 2 Key Milestones

Package A, Main Alignment D/B, Notice to Proceed (NTP)	July 2013
Program Management and Support Services (NTP)	July 2013
Package B, WMATA Rail Yard and Maintenance Facility D/B, Award	July 2014
Package B NTP	August 2014
Package S, Site Preparation for the WMATA Rail Yard and Maintenance Facility D/B, Contract Completion	December 2014
Contract Completion for Package A	2018
Planned Completion for Package B	2018

# Phase 2 Package A Activities

## Current

- Project Design/Field Surveys/Soil Borings
- Advancement of permits for critical design packages
- Utility Relocation – GSE Building and Autopilot Drive
- Caisson Foundations at Dulles, Cargo 5/ Autopilot
- Concrete Column Construction at Dulles, Cargo 5/ Autopilot
- Prefabricate Pier Column Steel
- Site clearing for the Rail Yard Leads (connection between Package A and Package B)

## Upcoming

- Demolish GSE Building at Dulles
- Excavate Airport Station
- Continue Concrete Column and Pier Cap Construction at Dulles
- Field Office Laydown area – waterline installation

# Phase 2 Package S Activities

## Current & Remaining

- Earthwork Removal and Relocation

## Upcoming

- Site Final Grading & landscape



**Ronald Reagan Washington National Airport**



**Dulles Corridor Metrorail Project**



**Dulles Toll Road**



**Washington Dulles International Airport**



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**DULLES CORRIDOR METRORAIL PROJECT - PHASE 1**  
**MONTHLY COST SUMMARY**  
As of July 31, 2014

Description	Budget Authorization <sup>1,6</sup>	Budget Amount <sup>2</sup>	Total Forecast <sup>3</sup>	Budget Variances		Expenditures to Date		Contract NTP	Contract Substantial  Note 5
				Amount Over / (Under)	Percent b-a/a	Amount	Total Percent c/b		
	a		b	b-a		c	c/b		
<b>DULLES CORRIDOR METRORAIL PROJECT - PHASE 1</b>									
DESIGN-BUILD	2,027,776,076	1,712,504,539	2,027,641,804	(134,272)	0.0%	1,967,091,650	97%	2-Mar-09	9-Sep-13
UTILITY RELOCATION	188,240,026	129,016,151	188,240,026	(0)	0.0%	175,493,149	93%	1-Aug-07	30-Sep-10
ROW	86,769,130	87,215,795	83,222,235	(3,546,895)	-4.1%	77,004,494	93%	1-Aug-07	28-Feb-10
WMATA	278,485,628	271,635,628	278,485,628	0	0.0%	188,121,348	68%	28-Jul-07	8-Dec-13
PRELIMINARY ENGINEERING <sup>4</sup>	100,730,999	100,968,646	100,730,999	0	0.0%	100,730,999	100%	28-Jun-04	30-Jun-08
PROJECT MANAGEMENT	223,693,141	142,109,519	227,374,308	3,681,167	1.6%	216,179,451	95%	n/a	n/a
<b>TOTAL FOR DCMP</b>	<b>2,905,695,000</b>	<b>2,443,450,278</b>	<b>2,905,695,000</b>	<b>(0)</b>	<b>0.0%</b>	<b>2,724,621,091</b>	<b>94%</b>		

## Notes:

- Budget Authorization based on FFGA project budget with estimated contingency spread among line items; includes interrelated highway improvements; does not include financing costs.
- Budget Amount is based on FFGA project budget but does not include finance costs and contingency distribution.
- Total Forecast includes approved change orders, estimates at completion and the estimated cost of future contingency utilization. It does not include finance costs.
- Preliminary Engineering expenditures have been agreed to be \$100,731,000. This is \$237,646 under the original budget of \$100,968,646. The under run is transferred to unallocated contingency.
- Design-Build Contract Substantial date was revised from the original date of 7/31/2013 to 9/9/2013.
- Additional Budget Authorization of \$150 million was approved by the Airports Authority's Board of Directors June 20, 2012.

Legend: Black - Forecast within Authorization  
 Green - Forecast less than 3% over Authorization  
 Red - Forecast greater than 3% over Authorization



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**DULLES CORRIDOR METRORAIL PROJECT - PHASE 1  
CONTINGENCY UTILIZATION  
As of July 31, 2014**

Description	Amount in million (\$)
<b>DULLES CORRIDOR METRORAIL PROJECT - PHASE 1</b>	
Total Contingency (including additional funding)	\$ 462.3
Contingency Utilized through June 2014	\$ 447.8
Expended Contingency in July 2014*	\$ (6.9)
Total Contingency Utilized through July 2014	\$ 440.9
Remaining Contingency	\$ 21.4

\*See table below for details

Changes to Miscellaneous and Ornamental Metals	\$ 0.3
Elevators and Escalator Equipment Maintenance at Tysons Central 123 South Pavilion	\$ 0.5
Reverse excess funding for Trackwork and Contract Rail-Ballast	\$ (0.9)
Savings in Commodity Escalation	\$ (15.0)
Project Management Support thru Dec-2014	\$ 7.0
Rent Extension thru Dec-2014	\$ 1.1
Miscellaneous ( <i>items less than \$0.1 million</i> )	\$ 0.1
TOTAL	\$ (6.9)



Airport	Project No	Description	Original Budget Amount	Budget Authorization
<b>DULLES CORRIDOR METRORAIL PROJECT - PHASE 1</b>				
<b>DESIGN-BUILD</b>				
DCMP	5101/5103	DTP - FFP	1,185,980,111	1,322,086,717
DCMP	5101/5103	Trackwork Allowance	75,378,042	88,408,431
DCMP	5101/5103	Station Finishes & MEP Allowance	81,953,493	96,120,562
DCMP	5101/5103	WFCY Sound and Box Platforms Allowance	6,686,211	7,842,037
DCMP	5101/5103	Pedestrian Bridges Allowance	12,239,488	14,355,294
DCMP	5101/5103	Site Development Allowance	61,718,153	70,200,426
DCMP	5101/5103	Installation of Public Art Allowance	633,862	743,436
DCMP	5101/5103	Communications and Security Allowance	24,300,826	28,501,641
DCMP	5101/5103	Fire Suppression Allowance	2,667,214	3,128,288
DCMP	5101/5103	Elevators and Escalators Allowance	38,732,282	45,427,822
DCMP	5101/5103	Spare Parts Allowance	5,515,011	6,468,375
DCMP	5101/5103	WFCY S&I Building Allowance	27,613,591	32,387,074
DCMP	5101/5103	Traction Power Supply Allowance	45,594,511	53,393,254
DCMP	5101/5103	ATC Supply Allowance	26,918,598	31,571,940
DCMP	5101/5103	Corrosion & Stray Currents Allowance	1,579,685	1,852,761
DCMP	5101/5103	Contact Rail Allowance	8,431,848	9,889,438
DCMP	5101/5103	Wiehle Parking Garage Allowance (By others)	29,091,684	34,120,681
DCMP	5101/5103	Commodity Index Payments	77,469,926	86,241,691
DCMP	5101/5103	Contingency	220,235,332	
		Adjustment due to Additional Funding		95,036,208
<b>SUBTOTAL - DESIGN-BUILD</b>			<b>1,932,739,867</b>	<b>2,027,776,076</b>
<b>UTILITY RELOCATION</b>				
DCMP	5101/5103	DTP (Lane)	83,310,836	98,449,857
DCMP	5101/5103	Design	2,394,135	2,775,026
DCMP	5101/5103	PM/CM	8,347,544	9,498,307
DCMP	5101/5103	Legal Permit Fee	834,796	923,095
DCMP	5101/5103	TERF	6,502,667	7,137,990
DCMP	5101/5103	Washington Gas Light - Force Account	4,231,456	4,644,877
DCMP	5101/5103	Dominion Power - Force Account	7,410,599	8,134,628
DCMP	5101/5103	Verizon - Force Account	3,418,254	3,752,224
DCMP	5101/5103	ATT Local - Force Account	1,935,438	2,124,534
DCMP	5101/5103	ATTLD - Force Account	216,276	237,407
DCMP	5101/5103	Verizon Business (MCI) - Force Account	1,761,409	1,933,502
DCMP	5101/5103	FiberLight - Force Account	75,234	82,585
DCMP	5101/5103	Qwest Government - Force Account	1,708,886	1,875,847
DCMP	5101/5103	Qwest Commercial - Force Account	993,153	1,090,186
DCMP	5101/5103	Above Net - Force Account	1,467,478	1,610,853
DCMP	5101/5103	Level 3 Com - Force Account	995,253	1,092,491
DCMP	5101/5103	XO Communication - Force Account	250,922	275,438
DCMP	5101/5103	Cox - Force Account	752,115	825,598
DCMP	5101/5103	Comcast - Force Account	178,697	196,156
DCMP	5101/5103	Fibergate - Force Account	31,512	34,591
DCMP	5101/5103	Time-Warner - Force Account	199,576	219,075
DCMP	5101/5103	FastToll (Qwest Business) - Force Account	220,584	242,135



<b>Airport</b>	<b>Project No</b>	<b>Description</b>	<b>Original Budget Amount</b>	<b>Budget Authorization</b>
DCMP	5101/5103	VDOT - Force Account	178,568	196,014
DCMP	5101/5103	ITS Fiber - Force Account	26,260	28,826
DCMP	5101/5103	UTILITY COMPANIES DESIGN	1,574,500	1,728,332
DCMP	5101/5103	Contingency	20,093,426	
		Adjustment due to Additional Funding		39,130,452
<b>SUBTOTAL - UTILITY RELOCATION</b>			<b>149,109,574</b>	<b>188,240,026</b>
<b>ROW</b>				
DCMP	5101/5103	Support Services	8,171,000	8,625,590
DCMP	5101/5103	Land & Relocation	79,044,794	87,639,548
DCMP	5101/5103	Contingency	9,049,345	
		Adjustment due to Additional Funding		(9,496,008)
<b>SUBTOTAL - ROW</b>			<b>96,265,139</b>	<b>86,769,130</b>
<b>WMATA</b>				
DCMP	5101	Vehicles	195,138,328	222,863,121
DCMP	5101	Construction and Procurement	31,484,799	35,958,085
DCMP	5101	WMATA Force Account Startup	13,777,100	15,734,518
DCMP	5101	Project Management and Final Design	31,235,400	35,673,251
DCMP	5101/5103	Contingency	38,593,348	
		Adjustment due to Additional Funding		(31,743,347)
<b>SUBTOTAL - WMATA</b>			<b>310,228,975</b>	<b>278,485,628</b>
<b>PRELIMINARY ENGINEERING</b>				
DCMP		PRELIMINARY ENGINEERING	100,968,646	100,968,646
		Adjustment due to Additional Funding		(237,647)
<b>SUBTOTAL - PRELIMINARY ENGINEERING</b>			<b>100,968,646</b>	<b>100,730,999</b>
<b>PROJECT MANAGEMENT</b>				
DCMP	5101/5103	MWAA	23,225,715	27,133,777
DCMP	5101/5103	PMSS	88,565,041	103,771,334
DCMP	5101/5103	VDOT	1,439,608	1,686,783
DCMP	5101/5103	OTHERS	28,879,153	33,791,186
DCMP	5101/5103	Contingency	24,273,563	
		Adjustment due to Additional Funding		57,310,061
<b>SUBTOTAL - PROJECT MANAGEMENT</b>			<b>166,383,080</b>	<b>223,693,141</b>
<b>TOTAL FOR DCMP</b>			<b>2,755,695,281</b>	<b>2,905,695,000</b>





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**DULLES CORRIDOR METRORAIL PROJECT - PHASE 2**  
**MONTHLY COST SUMMARY**  
**As of July 31, 2014**

Description	Budget Amount <sup>1</sup>	Total Forecast <sup>2</sup>	Expenditures to Date		Contract NTP <sup>3</sup>	Contract Substantial <sup>3</sup>
			Amount	Total Percent c/b		
		b	c	c/b		
<b>DULLES CORRIDOR METRORAIL PROJECT - PHASE 2</b>						
DESIGN-BUILD Package A	1,193,777,000	1,195,756,561	112,716,672	9%	8-Jul-13	7-Jul-18
DESIGN-BUILD Package B + S	273,280,530	272,780,530	449,607	0%	18-Nov-13	29-Jun-18
ROW	58,600,000	58,600,000	2,767,332	5%	8-Jul-13	30-Sep-17
WMATA	305,324,718	305,324,718	45,085,228	15%	N/A	2-Jan-19
PRELIMINARY ENGINEERING	75,000,000	75,000,000	71,141,607	95%	15-Jul-09	30-Dec-13
PROJECT MANAGEMENT	320,802,137	322,649,514	54,053,474	17%	N/A	2-Jan-19
CONTINGENCY	551,451,179	548,124,241				
<b>TOTAL FOR DCMP</b>	<b>2,778,235,564</b>	<b>2,778,235,564</b>	<b>286,213,919</b>			

Notes:

- 1 Budget Amount includes contingency as separate line item and does not include finance costs.
- 2 Total Forecast includes approved changes. It does not include finance costs.
- 3 Contract NTP and Contract Substantial dates are yet to be firmed up for Package B.
- 4 Budget Amount includes commodity escalation of \$20 million for Package A & B+S.



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**DULLES CORRIDOR METRORAIL PROJECT - PHASE 2**  
**CONTINGENCY UTILIZATION**  
As of July 31, 2014

Description	Amount in million (\$)	
<b>DULLES CORRIDOR METRORAIL PROJECT - PHASE 2</b>		
Total Contingency	\$	551.5
Contingency Utilized through June 2014	\$	3.0
Expended Contingency in July 2014*	\$	0.4
Total Contingency Utilized through July 2014	\$	3.4
Remaining Contingency	\$	548.1

\*See table below for details

Perimeter Security Wayside Building Management	\$	0.2
Miscellaneous (Items less than 0.1 million)	\$	0.2
TOTAL	\$	0.4



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<b>Airport</b>	<b>Project No</b>	<b>Description</b>	<b>Budget Amount</b>
<b>DULLES CORRIDOR METRORAIL PROJECT - PHASE 2</b>			
<b>DESIGN-BUILD Package A</b>			
DCMP	5401	Package A - Mainline (CRC)	1,177,777,000
DCMP	5406	Commodity Escalation	16,000,000
DCMP	5408	Contingency amount	
DCMP	5408	Secondary mitigation amount	
<b>SUBTOTAL - DESIGN-BUILD Package A</b>			<b>1,193,777,000</b>
<b>DESIGN-BUILD Package B+S</b>			
DCMP	5402	Package B - Yard	269,280,530
DCMP	5402	Package S - Yard Site Preparation	incl above
DCMP	5406	Commodity Escalation	4,000,000
DCMP	5408	Contingency amount	
DCMP	5408	Secondary mitigation amount	
<b>SUBTOTAL - DESIGN-BUILD Package B+S</b>			<b>273,280,530</b>
<b>ROW</b>			
DCMP	5404	Land & Relocation	47,225,000
DCMP	5404	Support Services	11,375,000
DCMP	5408	Contingency	
<b>SUBTOTAL - ROW</b>			<b>58,600,000</b>
<b>WMATA</b>			
DCMP	5405	WMATA Vehicles	205,868,200
DCMP	5405	WMATA other costs	90,205,767
DCMP	5405	WMATA Non Revenue Vehicles	9,250,751
DCMP	5408	Contingency	
<b>SUBTOTAL - WMATA</b>			<b>305,324,718</b>
<b>PRELIMINARY ENGINEERING</b>			
DCMP	5406	PRELIMINARY ENGINEERING	75,000,000
<b>SUBTOTAL - PRELIMINARY ENGINEERING</b>			<b>75,000,000</b>
<b>PROJECT MANAGEMENT</b>			
DCMP	5406	MWAA Staff	34,000,000
DCMP	5406	MWAA Allocated Cost	13,560,000
DCMP	5406	Rent	9,200,000



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<b>Airport</b>	<b>Project No</b>	<b>Description</b>	<b>Budget Amount</b>
DCMP	5406	Relocation, IT, Furniture	2,700,000
DCMP	5406	MWAA ODCs	17,060,000
DCMP	5406	Insurance (OCIP)	49,082,137
DCMP	5406	PMSS	140,000,000
DCMP	5406	VDOT	10,000,000
DCMP	5406	DRC Prof Svcs	2,500,000
DCMP	5406	CTI (Special Inspections)	14,000,000
DCMP	5406	DGS	2,000,000
DCMP	5406	TRIP II	2,000,000
DCMP	5406	Dept of Conservation & Recreation (DCR)	2,000,000
DCMP	5406	MWAA Permits/Inspection	4,000,000
DCMP	5406	Power for System Testing	16,000,000
DCMP	5406	Historical/Archaeologic	2,700,000
DCMP	5408	Contingency	
<b>SUBTOTAL - PROJECT MANAGEMENT</b>			<b>320,802,137</b>
<b>CONTINGENCY</b>			
DCMP	5408	Contingency - Package A	289,067,231
DCMP	5408	Secondary mitigation amount - Package A	0
DCMP	5408	Contingency - Package B	109,006,387
DCMP	5408	Secondary mitigation amount - Package B	0
DCMP	5408	Contingency - ROW	5,860,000
DCMP	5408	Contingency - WMATA	30,532,472
DCMP	5408	Contingency Project Management	116,985,089
<b>SUBTOTAL - CONTINGENCY</b>			<b>551,451,179</b>
<b>TOTAL FOR DCMP - PHASE 2</b>			<b>2,778,235,564</b>