



METROPOLITAN WASHINGTON AIRPORTS AUTHORITY

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**Dulles Corridor Metrorail Project  
Phase 2  
Preliminary Engineering Results**

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**March 06, 2012**



## **Phase 2 Preliminary Engineering**

- **Preliminary Engineering Designer**
  - **Dulles Rail Consultants (DRC)**
  - **AECOM/Parsons Brinckenhoff Joint Venture**
- **Independent Cost Estimator**
  - **McDonough, Bolyard and Peck**
- **Preliminary Engineering Completed on Schedule**
- **Independent Cost Estimate Confirms Preliminary Engineering Cost Estimate**



## **Phase 2 Preliminary Engineering Cost Estimate**

- **Preliminary Engineering Cost Estimate is \$3.156 Billion**
  - **Estimate Includes Cost of Aerial Station at Dulles Airport, 5 Parking Garages, and Route 28 Station.**
  - **Estimate does not Include Savings from Items Identified in the Memorandum of Agreement and Value Engineering.**
- **Cost Reductions From Agreed Upon Project Modifications Items is \$467 Million**
- **Project Cost Estimate After Reductions is \$2.689 Billion**

## **Phase 2 Independent Cost Estimate**

- **Independent Estimate is \$3.298 Billion**
- **Independent Cost Estimate After Savings is \$2.831 Billion**
- **Difference Between DRC and Independent Cost Estimates is 4.3% or \$142 Million**
- **Difference is Due to Different Assumptions for Cost of Escalation per year. (4.5% vs. 3.0%)**



## Phase 2 Cost Adjustments For MOA and Value Engineering

	MOA	100% PE	Independent Analysis
Original Design w/Underground Dulles Airport Station	\$3.825 B	-	-
Modified Design w/Aerial Dulles Station	\$3.273 B (\$552 M)	\$3.156 B	\$3.298 B
Cost with MOA & Value Engineering Savings	\$3.138 B (\$135 M)	\$3.093 B (63 M)	\$3.235 B (63 M)
Potential Savings due to Route 28 and Parking Garages	\$2.820 B (\$318 M)	\$2.689 B (404 M)	\$2.831 B (\$404 M)

## Phase 2

# Cost Estimate Summary With Cost Reductions Included

<b>MOA Cost</b>	<b>\$2.820 B</b>
<b>PE Estimate</b>	<b>\$2.689 B</b>
<b>Independent Estimate</b>	<b>\$2.831 B</b>

- **Estimates Consistent with MOA Targeted Project Reductions**
- **Estimate Differential is Due to Different Forecasted Escalation (4.5% vs. 3.0%)**



## **Phase 2 Next Steps**

- Initiate Procurement** **March 2012**
- Identify “Short-List” Competitors** **June 2012**
- Complete County 90 Day Review** **June 4, 2012**
- Complete Environmental & WMATA Approval** **July 2012**
- Award Design-Build Contract** **January 2013**