

# Eastern Corridor PE/EIS



## BENEFIT/COST ANALYSIS Preliminary findings and key conclusions

- C 4% Discount Rate & \$2003; basic analysis construct per peer group input
- C Construction related short-term benefits not included
- C Economic impact benefits measured by REMI in terms of Gross Regional Product (GRP)
- C Analysis Period 2006-2034, Construction Period 2006-2013

### **Total Costs (Present Value \$2003)** <sup>[1]</sup>

Highway Total Cost <sup>[2]</sup>	\$ 477,278,000
Rail Transit Total Cost	\$ 579,928,000
Expanded Bus Total Cost	\$ <u>301,871,000</u>
<b>Total Multi-Modal Program Cost</b>	<b>\$ 1,359,077,000</b>

Notes: [1] Total Cost includes construction costs and operating & maintenance costs through Year 2034.

[2] Highway Total Cost includes \$45M in TSM construction cost; TSM O&M costs are not included.

### **Total Benefits (Present Value \$2003)**

Travel Time Savings	\$ 914,594,000	
Vehicle Operating Cost Savings	\$ 209,254,000	
Accident Cost Savings	\$ 117,104,000	
Emission Cost Savings	\$ 1,329,000	
Transit Mobility Benefits	\$ 23,662,000	
Economic Impacts w/o Business Attraction	\$ <u>1,562,860,000</u>	
<b>Multi-Modal Transportation Benefits</b>	<b>\$ 2,828,803,000</b>	<b>(basic transportation benefits only)</b>
Economic Impacts w/Business Attraction	\$ <u>12,704,800,000</u>	
<b>TOTAL MULTI-MODAL BENEFITS</b>	<b>\$ 13,970,743,000</b>	<b>(transportation + new investments)</b>

## Key Conclusions:

C Ratio of Total Multi-Modal Benefits to Total Costs	<b>10.3</b>
C Ratio of Multi-Modal Transportation Benefits to Total Costs	<b>2.1</b>
C Internal Rate of Return (based on Transportation Benefits only)	<b>13%</b>
C Improved accessibility benefits by Year 2034	
➤ Increase in population	<b>11,800 people</b>
➤ Increase in employment	<b>10,220 jobs</b>
➤ Increase in Gross Regional Product	<b>\$23 Billion</b>