



COMMONWEALTH of VIRGINIA  
*Office of the*  
SECRETARY of TRANSPORTATION

# Interstate Operations and Enhancement Program and I-95 and I-64/664 Corridor Improvement Plans

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# Interstate Operations and Enhancement Program

- **Omnibus legislation in 2020 codified program and its requirements (33.2-372)**
- **Program receives 20% of funds available for construction formula distribution**
- **Goal of program is to improve the safety, reliability and travel flow along interstate highway corridors**

# Focus on Operations and Transportation Demand Management

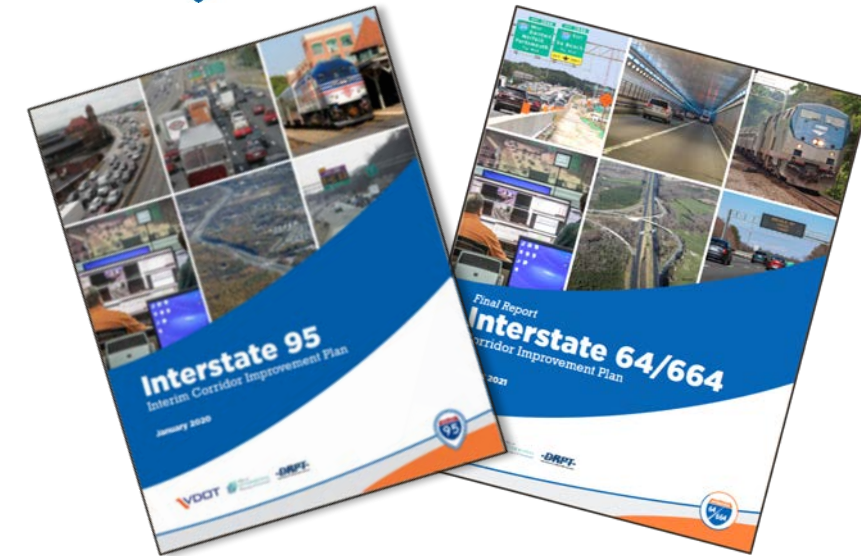
- **Code requires the Board give priority to operations and TDM strategies that improve safety and reliability of travel**
- **Planning processes to evaluate potential solutions for needs identified on Interstate corridors—**
  - **First, developed corridor-wide operations and incident management plans**
  - **Second, development of solutions focused on transportation demand management**
  - **Finally, highway capital recommendations**

# Policy for Interstate Operations and Enhancement Program

- **In June the Board adopted a policy outlining the allocation process for funds in the Program**
- **Outlined “off-the-top” funding for operational improvements and limits on on-going costs**
- **Outlined process to identify recommended projects**
- **Established prioritization process**

# I-95 and I-64/664 Corridor Improvement Plans: Status Update

- **Both Plans follow adopted IOEP Policy:**
  - Performance issues identified and validated through public engagement
  - Operations improvements identified, prioritized based on ROI analysis and programmed
  - Targeted transportation demand management and highway capital solutions identified and presented to the public
  - SMART SCALE-like evaluation of TDM and capital improvements have been completed



# Available Program Funding

	<b>Previous</b>	<b>FY22</b>	<b>FY23</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>TOTAL</b>
Interstate 95	\$47.1	\$13.2	\$25.8	\$25.8	\$27.0	\$28.4	\$26.9	\$194.2
Interstate 64	\$32.1	\$9.9	\$18.5	\$18.5	\$19.4	\$20.3	\$19.3	\$137.9
Interstate Improvements	\$53.6	\$20.3	\$30.7	\$30.7	\$32.1	\$33.7	\$32.0	\$233.0
<b>Total (Millions)</b>	<b>\$132.7</b>	<b>\$43.4</b>	<b>\$75.0</b>	<b>\$74.9</b>	<b>\$78.5</b>	<b>\$82.4</b>	<b>\$78.1</b>	<b>\$565.1</b>
<b>Operational</b>	<b>\$40.3</b>	<b>\$22.0</b>	<b>\$19.1</b>	<b>\$18.6</b>	<b>\$13.8</b>	<b>\$6.5</b>	<b>\$6.5</b>	<b>\$126.9</b>
<b>Remaining Funds</b>	<b>\$92.4</b>	<b>\$21.4</b>	<b>\$55.9</b>	<b>\$56.3</b>	<b>\$64.7</b>	<b>\$75.9</b>	<b>\$71.6</b>	<b>\$438.2</b>

- **Operations improvements are funded from their respective dedicated funding off the top, SSP and towing program O&M covered through FY2027**
- **Remaining funds can be used for multimodal and highway capital improvements**

# Cost of Proposed Operating Improvements

	<b>Previous</b>	<b>FY22</b>	<b>FY23</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>TOTAL</b>
Interstate 95	\$26.3	\$13.2	\$18.9	\$17.4	\$12.6	\$5.3	\$5.2	\$98.9
Interstate 64	\$14.0	\$0.0	\$0.2	\$0.2	\$0.2	\$0.2	\$0.2	\$14.8
Interstate Improvements	\$0.0	\$7.7	\$1.0	\$1.1	\$1.1	\$1.1	\$1.1	\$13.1
Total (Millions)	\$40.3	\$21.0	\$20.1	\$18.6	\$13.8	\$6.5	\$6.5	\$126.9

- **Interstate 95 operations improvements programmed in January 2020**
- **Interstate 64 operations improvement programmed in January 2021**
- **Other interstate operations improvements (Interstates 77, 85, 295 and 66) recommended for funding**
- **O&M costs for safety service patrols and towing programs are covered through FY2027 on all interstates**

# Funding for Capital Improvements

	<b>Previous</b>	<b>FY22</b>	<b>FY23</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>TOTAL</b>
Interstate 95	\$20.8	\$0.0	\$6.9	\$8.4	\$14.4	\$23.1	\$21.7	\$95.3
Interstate 64	\$18.1	\$9.9	\$18.3	\$18.3	\$19.2	\$20.2	\$19.1	\$123.1
Interstate Improvements	\$53.6	\$12.5	\$29.7	\$29.6	\$31.0	\$32.6	\$30.8	\$219.8
Total (Millions)	\$92.4	\$22.5	\$54.9	\$56.3	\$64.7	\$75.9	\$71.6	\$438.2

**Reflects funding available after operations improvements implementation and O&M costs for new safety service patrol and towing programs have been taken “off the top” of their dedicated funding categories**



# Prioritization Scoring

Using the CIPs and other interstate studies, study team followed IOEP Policy approved by the CTB:

- **40% Congestion**  
Person hours of delay reduction
- **40% Safety**  
EPDO reduction
- **20% Accessibility**  
Access to jobs  
Access to jobs for minority and low income populations

Congestion Mitigation	Safety	Accessibility	
Reduction in Peak Period Delay	Reduction in Fatal and Injury Crashes	Increase in Access to Jobs	Increase in Access to Jobs for Disadvantaged Populations
100%	100%	75%	25%
40%	40%	20%	

# Allocation of Funds

**Step 1 - Fund Operational Improvements**

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graph TD; A[Step 1 - Fund Operational Improvements] --> B[Step 2 - Fund TDM and Roadway Capital Improvements Using I-95 and I-64 Funds]; B --> C[Step 3 - Fund TDM and Roadway Capital Improvements Using Discretionary Interstate Funds];
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**Step 2 - Fund TDM and Roadway Capital Improvements  
Using I-95 and I-64 Funds**

**Step 3 - Fund TDM and Roadway Capital Improvements  
Using Discretionary Interstate Funds**

# Recommended Funding Allocation

	Highway Operational	TDM / Transit	Highway Capital
Interstate 95	\$98.9	\$72.7	\$22.6
Interstate 64	\$14.8	\$32.6	\$90.5
Discretionary Interstate Funds	\$13.1	--	\$207.7
<b>TOTAL</b>	<b>\$126.9</b>	<b>\$105.3</b>	<b>\$320.8</b>

# Improvement Highlights

## Multimodal Improvements in Funding Scenario

- **Bus Service**

- Fredericksburg to Pentagon/Washington DC
- Stafford County to Washington DC
- Central Prince William County to Downtown Alexandria

- **Park & Ride Lot Enhancements and Expansions**

- Exit 158 Horner Road Lot (Route 294 Prince William Parkway)
- Exit 152 (Route 234 Dumfries Road)

- **New Park & Ride Lots**

- Exit 133 (Route 17)
- Exit 58 (Route 620 Walthall)

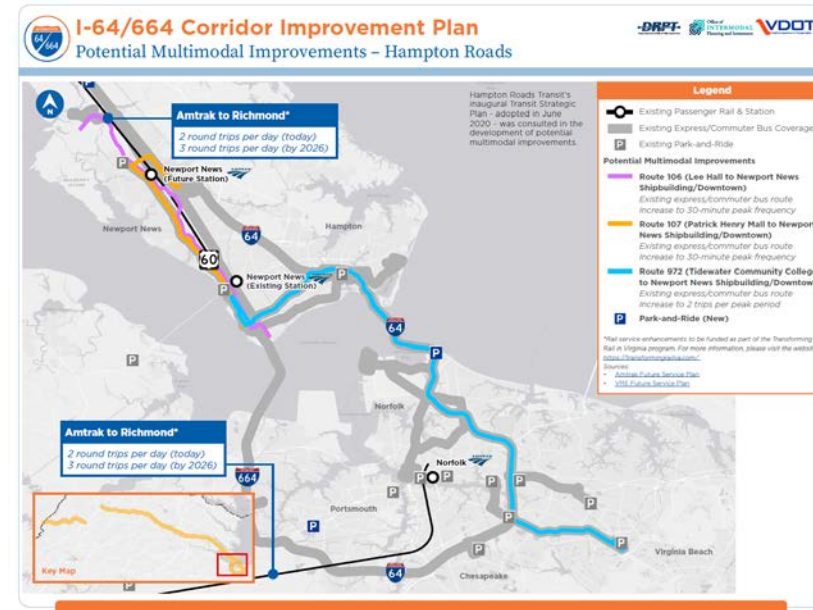


# Improvement Highlights

## Multimodal Improvements in Funding Scenario



- **Bus Service in Richmond:**
  - Broad Street – Short Pump express bus service
  - Increase frequency on Route 7
- **Bus Service in Hampton Roads:**
  - Newport News Route 106 and 107 enhancements
  - Tidewater Community College to Newport News Shipbuilding via HRBT (Route 972)
- **Park-and-Ride lots (5)**
  - Culpeper, Richmond and Hampton Roads



# Improvement Highlights

Southbound I-95 at Exit 160 Interchange Improvements- Included in Funding Scenario

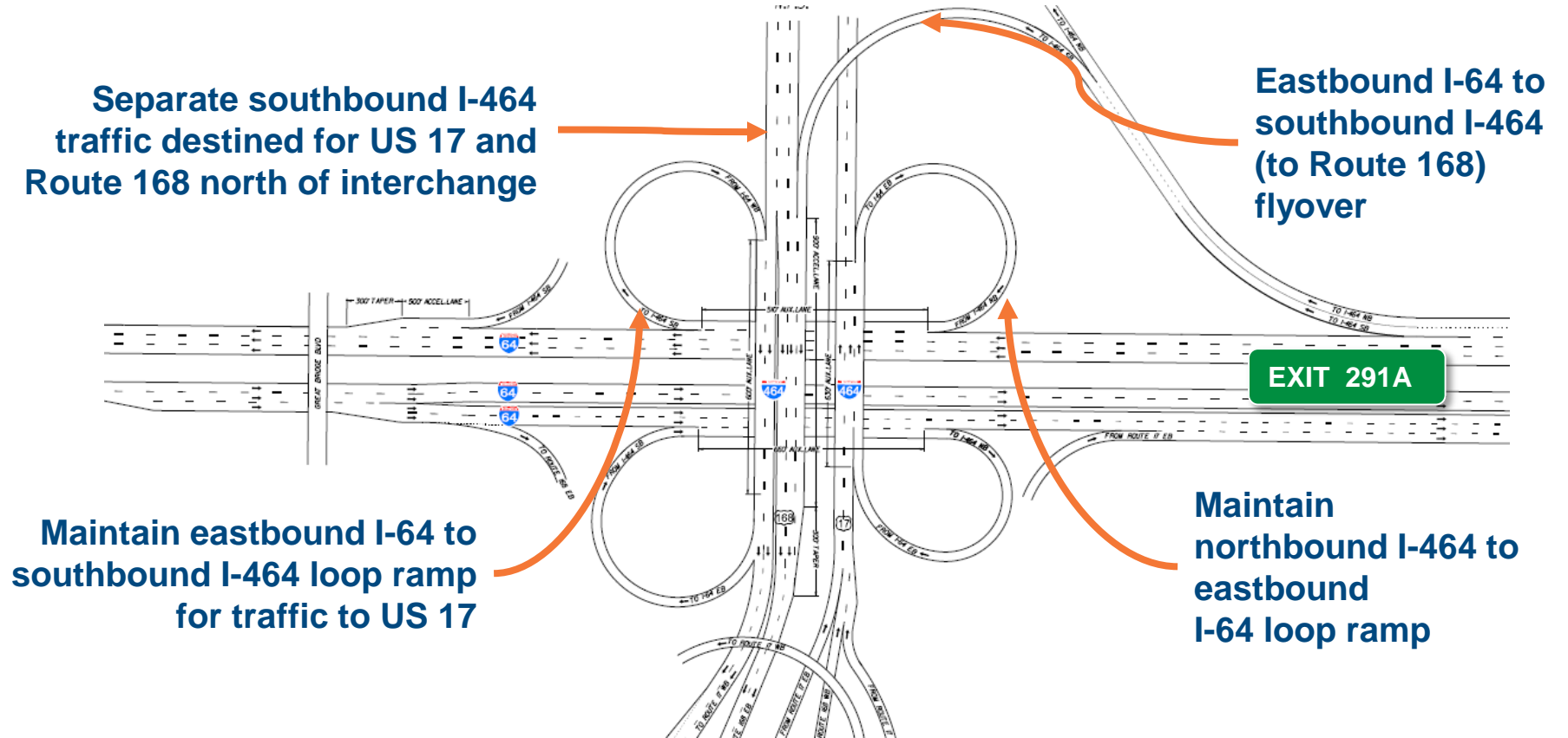
Eliminates loop ramp at the top bottleneck location on I-95



# Improvement Highlights

## I-64/464 Exit 291 Interchange Improvements- Included in Funding Scenario

- Addresses one of the remaining bottlenecks following the implementation of the HREL



# Preliminary Cost Estimate Refinement

## Refinements since July CTB:

- Inflation to year of expenditure
- Review of constructability and risk issues
- Identification of potential delivery options
- All “dedicated” projects identified in July can be funded; \$12.1M remains unallocated
- Potentially the first two “tentative” projects can be funded at \$11M



# Next Steps

- **This month:**
  - CTB adoption of I-95 and I-64 Corridor Improvement Plans; IOEP program of projects; amendment of Six Year Program
- **October 2021:**
  - Amend MPO TIPs and STIP to receive federal authorization
- **Fall-Winter 2021:**
  - Begin implementation of IOEP program of projects