

# PRIORITIZATION OF TRANSPORTATION PROJECTS: REVIEW OF CORE INFORMATION



Presented by:

Andy Pickard PE, AICP  
Principal Transportation Engineer  
Citizen's Transportation Advisory Committee  
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# OUTLINE

## Purpose Today: Review information to assist with Prioritization

- Vision and Goals of the 2034 Long-Range Transportation Plan (LRTP)
- Prioritization scores
- Revenue forecasts
- Public Private Partnership (PPP) projects
- Schedule



# *2034 LONG-RANGE TRANSPORTATION PLAN (LRTP) VISION AND GOALS*



# 2034 LRTP VISION STATEMENT

***All residents, visitors, and businesses in Hampton Roads have safe and efficient travel on a sustainable and balanced, multi-modal transportation system.***

Vision and Goals were approved by the HRTPO Board on January 20, 2010



# 2034 LRTP GOALS

- Enhance **public involvement** in the development of the region's transportation system.
- Include a **regional perspective** among the transportation prioritization criteria.
- Develop a long-range transportation plan that is **fiscally constrained**.
- Support the **economic vitality** of the region, emphasizing global competitiveness, productivity, and efficiency.
- Increase the **safety** of the transportation system for motorized and non-motorized users.
- Provide for the **security** of the region's transportation infrastructure and its users.
- Increase **accessibility and mobility** of people and goods.
- Protect and enhance the **environment**, promote energy conservation, improve **quality of life**, and reduce greenhouse gas emissions.
- Obtain compatibility between transportation improvements and **planned land use** and economic development patterns.
- Enhance the **integration and connectivity** of the transportation system, across and between modes, for people and goods.
- Optimize the **efficient system management** and operation of the regional transportation system.
- Increase the optimization, **maintenance and replacement of the existing transportation system**.
- Work toward finding dedicated and **sustainable revenue sources for transportation**.



# *PRIORITIZATION SCORES*

From approved “Prioritization of Transportation Projects: Project Evaluation and Scoring” report (HRTPO, December 2010).





# BRIDGE AND TUNNEL PROJECTS

Note: Top scoring projects by system are shown; there were 19 Bridge & Tunnel projects evaluated

| Project Name  | Project Utility | Economic Vitality | Project Viability | Total Project Score | Total Project Cost |
|---|-----------------|-------------------|-------------------|---------------------|--------------------|
| <b>INTERSTATE</b>   |                 |                   |                   |                     |                    |
| HRBT/I-64 (8-lane) [HA/NO]  | 75              | 95                | 38                | <b>208</b>          | <b>\$4.0 B</b>     |
| Third Crossing: Craney Island Conn. and Eastern East-West Bridge-Tunnel Conn. [NO/PO] | 69              | 100               | 34                | <b>203</b>          | <b>\$2.1 B</b>     |
| Third Crossing: Complete Implementation [Multi]                                       | 71              | 100               | 30                | <b>201</b>          | <b>\$5.4 B</b>     |
| Third Crossing: Craney Island Conn. and East-West Bridge-Tunnel Conn. [NO/PO]         | 68              | 90                | 32                | <b>190</b>          | <b>\$2.9 B</b>     |
| Third Crossing: East-West Bridge-Tunnel Connector [Multi]                             | 68              | 90                | 29                | <b>187</b>          | <b>\$2.2 B</b>     |
| Third Crossing: I-664 Widening [Multi]  | 65              | 82                | 32                | <b>179</b>          | <b>\$2.5 B</b>     |
| HRBT/I-64 (6-lane) [HA/NO]  | 68              | 95                | 8                 | <b>171</b>          | <b>\$3.0 B</b>     |
| I-64 Southside Widening (includes High-Rise Bridge replacement) [CH]                  | 80              | 85                | 0                 | <b>165</b>          | <b>\$1.1 B</b>     |
| <b>PRIMARY</b>  |                 |                   |                   |                     |                    |
| Midtown Tunnel / MLK Freeway extension [NO/PO]  | 74              | 82                | 86                | <b>242</b>          | <b>\$1.3 B</b>     |
| Dominion Blvd [CH]  | 90              | 45                | 81                | <b>216</b>          | <b>\$435 M</b>     |
| MLK Freeway extension to I-464 [PO/CH]  | 81              | 90                | 0                 | <b>171</b>          | <b>\$883 M</b>     |

“B” is Billion; “M” is Million



# HIGHWAY PROJECTS

Note: Top scoring projects by system are shown; there were over 100 Highway projects evaluated

| Project Name                               | Project Utility | Economic Vitality | Project Viability | Total Project Score | Total Project Cost |
|--|-----------------|-------------------|-------------------|---------------------|--------------------|
| <b>INTERSTATE</b>                          |                 |                   |                   |                     |                    |
| I-64 Peninsula Widening [Multi]            | 85              | 75                | 18                | <b>178</b>          | <b>\$779 M</b>     |
| I-64 North Peninsula Widening [Multi]      | 73              | 38                | 8                 | <b>119</b>          | <b>\$1.1 B</b>     |
| <b>PRIMARY</b>                             |                 |                   |                   |                     |                    |
| Route 17 (G.W. Memorial Highway) [YK]      | 82              | 40                | 80                | <b>202</b>          | <b>\$57 M</b>      |
| US Route 460 Relocation [Multi]            | 71              | 53                | 63                | <b>187</b>          | <b>\$700 M</b>     |
| Southeastern Parkway and Greenbelt [Multi] | 80              | 80                | 13                | <b>173</b>          | <b>\$2.5 B</b>     |

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# HIGHWAY INTERCHANGE PROJECTS

| Project Name   | Project Utility | Economic Vitality | Project Viability | Total Project Score | Total Project Cost |
|--|-----------------|-------------------|-------------------|---------------------|--------------------|
| <b>INTERSTATE</b>                                      |                 |                   |                   |                     |                    |
| I-64/Norview Ave Interchange [NO]                      | 67              | 32                | 97                | <b>196</b>          | <b>\$7.9 M</b>     |
| I-264/Witchduck Interchange [VB]                       | 92              | 63                | 37                | <b>192</b>          | <b>\$172 M</b>     |
| I-264 EB Ramp from I-64 WB [NO]                        | 74              | 64                | 41                | <b>179</b>          | <b>\$97 M</b>      |
| I-64 Interchange @ Lasalle Avenue [HA]                 | 66              | 34                | 70                | <b>170</b>          | <b>\$400,000</b>   |
| I-264/Independence Blvd Interchange [VB]               | 90              | 67                | 11                | <b>168</b>          | <b>\$250 M</b>     |
| I-64/464 Interchange [CH]                              | 75              | 54                | 25                | <b>154</b>          | <b>\$19 M</b>      |
| I-564 @ Chambers Field (Air Terminal Interchange) [NO] | 74              | 53                | 23                | <b>150</b>          | <b>\$22 M</b>      |
| I-64 @ Ft Eustis Blvd [NN]                             | 85              | 49                | 15                | <b>149</b>          | <b>\$134 M</b>     |
| I-264/Lynnhaven Pkwy Interchange Phase II [VB]         | 71              | 51                | 23                | <b>145</b>          | <b>\$140 M</b>     |
| I-64 Interchange @ Bland Blvd/Denbigh Blvd [NN]        | 75              | 52                | 14                | <b>141</b>          | <b>\$129 M</b>     |
| I-64/City Line Interchange and Arterial [VB]           | 55              | 38                | 21                | <b>114</b>          | <b>\$105 M</b>     |
| I-64 @ Military Hwy [NO]                               | 43              | 32                | 5                 | <b>80</b>           | <b>\$29 M</b>      |
| I-664/Terminal Avenue Interchange [NN]                 | 41              | 24                | 0                 | <b>65</b>           | <b>\$18 M</b>      |
| <b>PRIMARY</b>   |                 |                   |                   |                     |                    |
| Chesapeake Expressway @ Mt Pleasant Rd [CH]            | 61              | 26                | 15                | <b>102</b>          | <b>\$26 M</b>      |
| <b>URBAN</b>   |                 |                   |                   |                     |                    |
| Northampton Blvd/Shore Dr Interchange [VB]             | 58              | 31                | 10                | <b>99</b>           | <b>\$33 M</b>      |



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# INTERMODAL PROJECTS

| Project Name  | Project Utility | Economic Vitality | Project Viability | Total Project Score | Total Project Cost |
|---|-----------------|-------------------|-------------------|---------------------|--------------------|
| <b>URBAN</b>  |                 |                   |                   |                     |                    |
| Craney Island Access Road [PO]                                  | 75              | 60                | 54                | <b>189</b>          | <b>\$460 M</b>     |
| Finney Ave Flyover [SU]   | 74              | 50                | 15                | <b>139</b>          | <b>\$25 M</b>      |
| Hampton Blvd (Route 337) Interchange - Int'l Terminal Blvd [NO] | 60              | 55                | 0                 | <b>115</b>          | <b>\$204 M</b>     |

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# TRANSIT PROJECTS

| Project Name   | Project Utility | Economic Vitality | Project Viability | Total Project Score | Annualized Project Capital Cost |
|--|-----------------|-------------------|-------------------|---------------------|---------------------------------|
| <b>FIXED GUIDEWAY</b>  |                 |                   |                   |                     |                                 |
| VB Fixed Guideway Transit Project [VB]                       | 87              | 94                | 23                | <b>204</b>          | <b>\$54 M</b>                   |
| Naval Station Norfolk Fixed Guideway Transit Project [NO]    | 89              | 88                | 10                | <b>187</b>          | <b>\$43 M</b>                   |
| Peninsula Fixed Guideway Transit Project (A3 Alignment) [NN] | 63              | 40                | 10                | <b>113</b>          | <b>\$20 M</b>                   |
| Peninsula Fixed Guideway Transit Project (A1 Alignment) [NN] | 54              | 57                | 0                 | <b>111</b>          | <b>\$31 M</b>                   |

## MARITIME TRANSIT

|                            |    |    |   |            |                |
|----------------------------|----|----|---|------------|----------------|
| Fast Ferry Service [Multi] | 63 | 67 | 0 | <b>130</b> | <b>\$1.2 M</b> |
|----------------------------|----|----|---|------------|----------------|

### High Speed and Intercity Passenger Rail

Note: **Passenger Rail** was not scored, as there are not multiple heavy rail projects under consideration and the HRTPO Board has supported the high-speed and enhanced intercity passenger rail concept for the region.

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# *VDOT REVENUE FORECAST*



# REVENUE FORECAST

**Revenue estimates are being analyzed starting with Fiscal Year 2012**

- 2034 LRTP will influence projects starting in FY 2012

**“Major regional projects” for the 2034 LRTP include:**

- Fixed guideway transit
- Highway widenings or new highway alignments
- Bridge replacements
- Major intersection or interchange work
- Major intermodal projects



# VDOT FORECAST, FY2012 TO FY2034

## DRAFT Revenues available for major regional projects and operations/maintenance

- Forecast covers “traditional” sources.
- Other funding assumptions (Public-Private Partnerships, Tolls, FTA grants, etc.) are to be determined.

| Program   | Total Available |
|---|-----------------|
| Operations/Maintenance/<br>Small-scale Projects | \$12.2 Billion  |
| Construction for Major<br>Regional Projects     | \$1.4 Billion   |

Units: Year-of- Expenditure dollars



# REVENUE FORECAST REFINEMENTS

## To be developed and added to funding forecast:

- Transit: HRTPO staff working with Hampton Roads Transit (HRT) and Williamsburg Area Transit Authority (WATA) on transit revenue estimates.
- Local funds: HRTPO staff working with localities to include forecast of local funds.



# *PUBLIC-PRIVATE PARTNERSHIP PROJECTS (PPP's)*



# FHWA GUIDANCE ON PPP'S

## Indicators of PPP being “reasonably expected to be available”:

- Clear expressions of **support** by the Governor and/ or other appropriate local / regional decision makers.
- **Strategy** exists for securing necessary approvals.
- State or local jurisdiction has had **past success** in implementing PPP's.
- State **enabling legislation** is in place or efforts are underway.
- Interest in the project from the **investment community**.

Source: November 2, 2010 letter from FHWA regarding Fiscal constraint of Route 460 PPP project. This letter cites FHWA April 15, 2009 “Financial Planning and Fiscal Constraint for Transportation Plans and Programs” guidance.

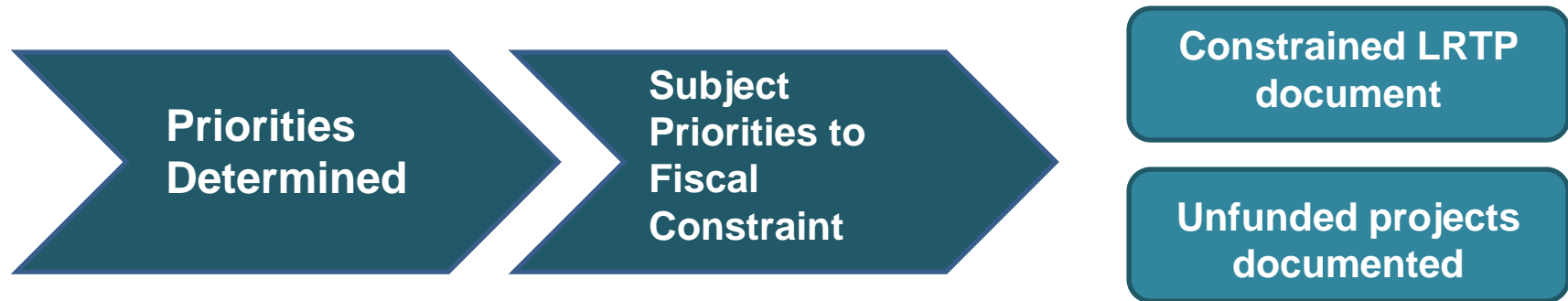


# *SCHEDULE*



# HRTPO BOARD DIRECTION

At its December 2010 meeting, the HRTPO Board expressed their desire to have priorities determined by March 2011.



# SCHEDULE

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## January 2011

January 13: CTAC  
January 19: LRTP Subcommittee  
January 20: HRTPO Board

## February 2011

February 2: TTAC  
February 17: HRTPO Board retreat - discussion on Project Prioritization

## March 2011

HRTPO Board's desired deadline for determining transportation project priorities.

## June 2011

Completion and approval of fiscally-constrained list of projects by HRTPO Board.



# RECOMMENDED CTAC ACTION

Provide comments regarding Regional Transportation Priorities to Mr. Andy Pickard at [apickard@hrpdcva.gov](mailto:apickard@hrpdcva.gov) through **January 27, 2011**.

