Hampton Roads Express Lane Network

James Utterback, PMP
Hampton Roads District Administrator

Presented to HRTPO Board
July 20, 2017
Regional Express Lane Network

**LEGEND**
- Approved
  - Segment 1
- Proposed
  - Segment 2
  - Segment 3
- Potential
  - Segment 4
History of HOV Network

- Aug 1992: CTB resolution designated HOV lanes in Hampton Roads as HOV-2: Monday - Friday 5:00am – 8:30 am; 3:00pm – 6:00pm and restricted trucks from operating on certain HOV lanes

- Sept 1992: Reversible HOV lanes opened

- Jan 1998: CTB resolution restricted trucks (except for pickup or 2 axle panel type trucks) from operating on any HOV lane in Hampton Roads

- Feb 1999: CTB resolution effective May 1, 1999 modifying operational hours of all HOV lanes on I-564, I-264, I-64 and Route 44 to be Monday - Friday 6:00am – 8:00am; 4:00pm – 6:00pm
History of HOV Network

• Jun 2008: U.S. Secretary of Transportation encouraged the conversion of HOV to HOT in response to Virginia Congressional request to return HOV lanes to general purpose lanes

• Oct 2016: CTB resolution authorized dynamic tolling of vehicles utilizing the HOV reversible lanes on I-64 from I-564 to I-264, 5:00 am to 9:00 am WB and 2:00 pm to 6:00 pm EB on weekdays for vehicles carrying less than two occupants (collectively, HOT Lanes-2 designation)
Benefits of an Express Lane Network

- Express Lanes provides choices for travelers
  - Carpool, use of transit or pay toll for a fast reliable trip
  - Free option remains to use general purpose lanes

- Reduces congestion in the general purpose lanes

- Express lanes move more people and maximize efficiency of highways

- Provides incentives for carpooling and transit
Segment 1
(I-64 from I-264 to I-564 - Reversible Lanes)
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(I-64 from I-264 to I-564 - Reversible Lanes)

To/From I-64 Mainline
To/From I-564
Slip Off-Ramp to EB I-64 Mainline
Slip On-Ramp from WB I-64 Mainline
To/From the east I-264
To/From I-64 Mainline/Segment 2

Ingress Point
Egress Point
Segment 1
(I-64 from I-264 to I-564 - Reversible Lanes)

• Jul 2016: Finalized I-64 HOV to HOT conversion feasibility study

• Oct 2016: CTB resolution authorized HOV to HOT-2 conversion, dynamic pricing, and extending operational hours

• Jun 2017: Toll Gantries Installed

• Sep 2017: Toll System Installation

• Sep-Nov 2017: Toll System Testing

• Dec 2017: Operational
Public Outreach

- 64 Express Lanes web site: [www.64ExpressLanes.org](http://www.64ExpressLanes.org) launched

- Ongoing: TWITTER messages to thousands of followers

- Jul 2017: Launched social media videos featuring Consumer Advocate Deputy Secretary Grindly Johnson

- Jul 2017: 64 Express Lanes “More Travel Choices Ahead” brochure distributed to email data bases of 1,500 individual names and business with a combined total reach of more than 120,000 people and employees

- Developing roll out of more detailed outreach program

- Focus on EZ Pass awareness and utilization
Segment 2
(I-64 from I-664/I-264 to I-264)

- From I-664/I-264 to I-464 (new lanes)
- From I-464 to I-264 (existing conversion of HOV)
Segment 2
(I-64 from I-664/I-264 to I-264)

To/From I-64 Mainline/Segment 1

Ingress/Egress Access EB and WB I-64 Mainline

Begin/End I-64 Express Lane

Ingress/Egress Access EB and WB I-64 Mainline
Segment 2
(I-64 from I-664/I-264 to I-264)

- October 2014: Environmental Assessment was approved by the Federal Highway Administration

- Mar 2015: As part of CTB resolution, CTB shall be briefed on and have the opportunity to determine the future management option(s) once additional studies and financial analyses have been concluded

- Sep 2016: CTB resolution authorized Commissioner of Highways to enter into a project agreement between VDOT and HRTAC for I-64 Southside Widening and High Rise Bridge Project – Phase I

- Jun 2017: Finalized I-64 HOV to HOT conversion feasibility study
Segment 3
(I-64 from I-564 to I-664 including HRBT)
Segment 3
(I-64 from I-564 to I-664 including HRBT)

- Peninsula and Southside on land will carry 2 general purpose lanes + 1 Express Lane in each direction

- At a minimum, HRBT tunnel expansion will carry 2 general purpose lanes + 1 Express Lane

- Additional alternatives may be identified during procurement

- 2019: Award of HRBT construction contract

- 2024: HRBT Express lanes open to traffic
Segment 4
(I-64 from I-664 to Jefferson Avenue)
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(I-64 from I-664 to Jefferson Avenue)

• 2018: Planning and Design
  • This segment will be evaluated for HOV-HOT conversion along the full segment length

• 2024: If evaluation is determined to be feasible, the HOV-HOT conversion would be implemented to coincide with completion of the HRBT expansion
Anticipated CTB Action:

VDOT recommends the CTB take the following actions:

• Designate the new capacity/lanes associated with the I-64 Southside Widening and High Rise Bridge Project (I-664 to I-464) as HOT-2 and authorize the use of dynamic tolling to adjust tolls based on real-time traffic conditions

• Convert I-64 HOV-2 (I-464 to I-264) to HOT-2 and authorize the use of dynamic tolling

• Designate the operational hours of the new I-64 HOT lanes (I-664 to I-264) to be 24 hours - 7 days a week

• Authorize VDOT the use of the Toll Facility Revolving Account funds for initial startup costs for I-264 to I-464
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