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# **Commonwealth Transportation Board**

## **I-66 Multimodal Improvements Inside the Beltway**

February 17, 2015



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# I-66 Multimodal Improvements

- **I-66 Multimodal Study (2012 / 2013)**
- **Tolling element**
- **Multimodal solutions**
- **Future Widening**
- **NEPA documentation**
- **Outreach**
- **Project schedule**



TRANSFORM 66  
**INSIDE** the Beltway

VDOT | DRPT

# I-66 Multimodal Improvements Beltway to US 29 Rosslyn

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TRANSFORM 66  
**INSIDE** the Beltway

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# I-66 Multimodal Improvements Beltway to US 29 Rosslyn

## I-66 Issues Reported in 2012:

- Eastbound & Westbound roadway congestion
- Congestion at interchanges
- Non-HOV users during HOV restricted period
- Orange / Silver Line Metrorail congestion
- Bus service impacted by roadway congestion
- Challenges to intermodal transfers
- W&OD and Custis Trail bottlenecks
- Limitations / gaps in Bike & Ped accessibility and connectivity





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## Baseline assumptions for 2040 from Multimodal Study

- **HOV changes from HOV-2+ to HOV-3+ throughout region**
- **I-66 westbound SPOT improvements 1, 2, and 3**
- **Silver Line Phase I and II (to Dulles)**
- **New and enhanced Priority Bus services on I-66, US 29, and US 50**
- **Transportation Demand Management (TDM) elements from the I-66 Transit/TDM Study**
- **Metrorail core capacity improvements**







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## Corridor activity since 2012:

- **August 2013 Supplemental Report**
  - Refined Package
- **Completed or Active Projects**
  - Active Traffic Management (ATM) underway
  - Spot 1 Widening WB – Completed 2013
  - Spot 2 Widening WB – Under Construction
  - Bus on Shoulder – Under implementation, operational in 2015
- **Outside the Beltway project development**
- **Dec 9 letter from Secretary Layne**
  - Multimodal package of solutions
- **CLRP project submission, Jan 2015**



TRANSFORM 66  
*INSIDE the Beltway*

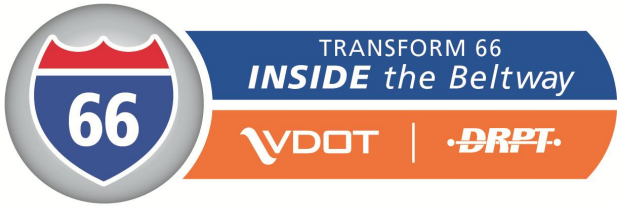
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## I-66 Multimodal Improvements Beltway to US 29 Rosslyn



*The purpose of the I-66 Multimodal Project inside the Beltway is to move more people and enhance connectivity in the corridor by improving transit service, reducing roadway congestion, and increasing travel options.*



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# Project Scope

## Identify and prioritize improvements from 66 Multimodal Study (2012/2013)

- Quickly implementable corridor improvements
- Tolling
- Transit
- Bicycle / Pedestrian
- Transportation Demand Management
- Integrated Corridor Management
- Future Widening







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# Tolling

- **Dynamic tolling in both directions during peak periods only**
  - HOV-3+ vehicles ride free; Restricted hours to be determined
  - Facility free to all traffic during off-peak periods;
  - Consistent with current policy, heavy trucks are prohibited;
  - All electronic tolling – no toll booths
  - Clean fuel vehicles no longer exempt from restrictions
- **VDOT owns and operates facility**
- **Excess revenue directed toward multimodal elements**



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# Transit

- **Review and validate transit recommendations from**
  - ***DRPT I-66 Transit / TDM Study, 2009***
  - ***I-66 Multimodal Study, 2012/2013***
    - Evaluate proposed enhanced bus service throughout the corridor
      - Local, commuter, and regional bus
    - Consider Metrorail core capacity improvements that would address capacity concerns in the I-66 corridor



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# Bicycle and Pedestrian Facilities

- **Review recommendations from Multimodal Study**
- **Coordinate with local jurisdictions to prioritize bicycle and pedestrian projects that:**
  - **Accommodate longer distance commute trips along I-66**
  - **Accommodate access to Metrorail stations and bus stops**
  - **Increase the utility and attractiveness of bicycling and walking**
- **Projects may include**
  - **On-road bicycle facilities**
  - **New or improved off-road paths**
  - **Intersection improvements to enhance crossing safety**





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# Transportation Demand Management

**Identify and prioritize best performing strategies to reduce travel demand, increase mobility options, and market transit services**

- **Marketing and outreach programs**
- **Vanpool programs**
- **Financial incentive programs**
- **Other programs**



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# Integrated Corridor Management

- **Review current corridor status and consider elements in the Active Traffic Management project (operational in 2015)**
- **Consider additional ICM recommendations including:**
  - **Addition of dynamic merge/junction control**
  - **Speed harmonization**
  - **Advanced parking management systems for park-and-ride lots**
  - **Multimodal traveler information including travel time by mode**
  - **Implementing signal priority for transit vehicles in the corridor**





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# Future Widening Study

- **Included in Recommended Package from I-66 Multimodal Study**
- **Evaluate capacity improvements west of Ballston in both directions**
- **Implementation year to be determined based upon travel demand (currently projected to be 2025 or later)**
- **Develop design to fit within existing right-of-way as much as possible and considering innovative approaches where needed**

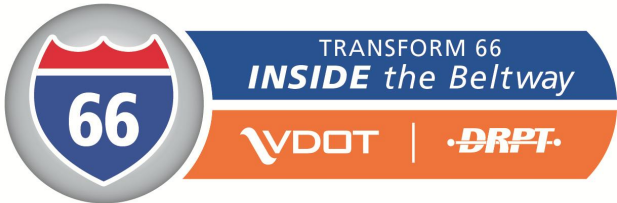


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# Environmental Documentation

## ➤ Environmental documentation to include:

- Tolling Element
- Multimodal improvements that require environmental clearance
- Future widening



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# Outreach

## ➤ **Project Working Group (PWG)**

- **VDOT, DRPT, Arlington County, Fairfax County, City of Falls Church**

## ➤ **Inside Stakeholder Technical Advisory Committee (iSTAG)**

- Arlington County
- City of Fairfax
- City of Falls Church
- DDOT
- Fairfax County
- FHWA
- FTA
- Loudoun County
- MWAA
- MWCOG
- NVRPA
- NVTA
- NVTC
- PRTC
- Prince William Co.
- Town of Vienna
- VRE
- WMATA
- MDOT

## ➤ **Elected Officials briefings**

## ➤ **Public Outreach**

- **Public Information Meetings, Public Hearing(s), Neighborhood groups**
- **Website under development**



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# Major Project Milestones

Key Milestones	Dates
Submit Multimodal project to CLRP	January 2015
Level 2 Traffic & Revenue Study	Mid 2015
Prioritize Multimodal solutions	2015
Environmental document and hearing	2015
Tolling Design-Build procurement	Late 2015
Tolling Construction	2016
Begin first phases of multimodal solutions	2016-2017
Toll Day One	2017



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## Next Steps

- **Re-validate corridor issues reported in 2012 Final Report**
- **Refine project scope with Project Working Group**
- **Develop and implement early stakeholder and public outreach program**
- **Initiate Traffic and Revenue Study for tolling element**
- **Prioritize multimodal elements based on available excess toll revenue and corridor needs through 2040**





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*Questions / Comments*

**THANKS!**

I-66 Multimodal Improvements Project  
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