



# I-66 Multimodal Study

## Inside the Beltway

# 2

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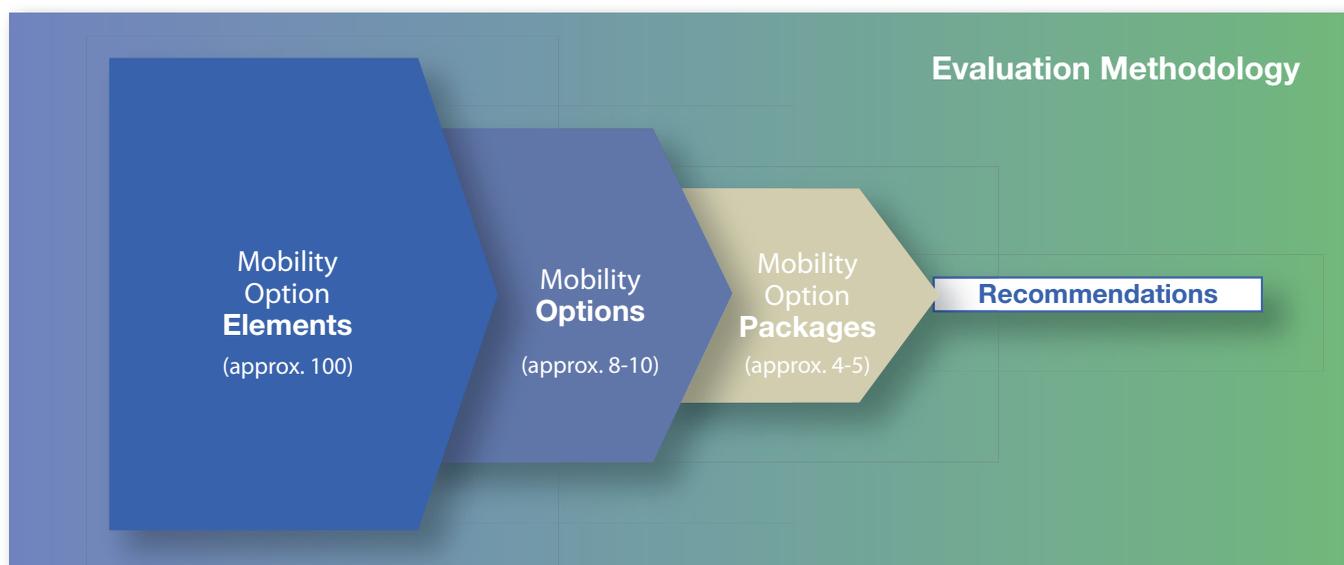
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## Overview of I-66 Multimodal Study

**T**he I-66 Multimodal Study is focused on developing a set of recommendations for multimodal mobility options which can help reduce congestion and improve mobility along the I-66 corridor inside the Beltway, between I-495 and the Theodore Roosevelt Bridge. The study employs a structured framework for arriving at a set of multimodal recommendations, including the process of screening a list of potential mobility option elements for the I-66

corridor down to a focused set of recommendations. As illustrated below, the evaluation methodology for the study provides a means to move from a starting point of numerous ideas – referred to as mobility option elements – down a path to recommendations, considering first a set of eight to ten mobility options. The best of these mobility options are combined into a set of four or five mobility option packages for evaluation before recommendations are developed.

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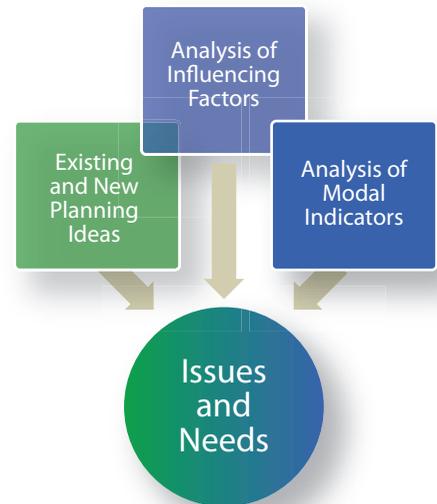
# Identification of Issues and Needs

The first step in the I-66 Multimodal Study is to systematically identify the key issues and needs in the corridor. The defined set of transportation issues and needs provides the foundation for the entire study since eventual mobility solutions will target these specific problems. The issues and needs were developed based on a number of inputs. A review of relevant studies and proposed projects revealed a list of existing and new planning ideas. Forecasts were done to identify the regional factors influencing travel demand in the study area, including growth patterns, employment and demographic data, and the existing and planned modal networks. A top level analysis of year 2040 travel patterns was also conducted to understand mobility in the corridor.

Collectively, the technical analyses and insight from commuters and stakeholders identified the primary issues and needs within the study area, which include:

- > Westbound Roadway Congestion
- > Eastbound Roadway Congestion (include interchange capacity constraints at the Dulles Toll Road)
- > Capacity Issues at I-66/Arterial Interchanges
- > Non-HOV Users during HOV Operation Hours
- > Orange Line Metrorail Congestion
- > Adverse Impact of Roadway Congestion on Bus Service
- > Challenges to Intermodal Transfers (rail, bus, bike, car)

- > Bottlenecks on W&OD and Custis Trails
- > Limitations/Gaps in Bicycle and Pedestrian Accessibility and Connectivity



## Mobility Option Elements

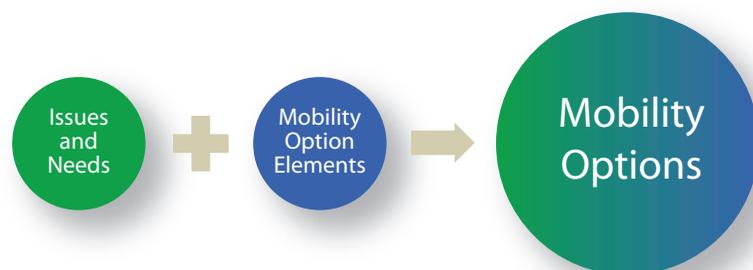
A comprehensive list of mobility option elements was assembled from existing plans and studies as well as through identification of gaps in the transportation system. The initial inventory includes over 100 highway, transit, bicycle/pedestrian, transportation demand management (TDM), and intelligent transportation systems (ITS) strategies, projects, programs, or policies that have the potential to address congestion and/or enhance mobility in the I-66 corridor. The list of mobility option elements was refined through discussions with Participating Agency Representatives Committee (PARC) members, staff from the Virginia Department of Transportation (VDOT) and Virginia Department of Rail and Transportation (DRPT), other stakeholders, and the consultant team.

## Preliminary Mobility Options to Address Issues and Needs

The next step in this process is to take the large list of mobility option elements and assemble a discrete set of mobility options for testing to address the identified issues and needs. Moving from mobility option elements to mobility options requires application of a synthesis process that:

- > Focuses on the alignment of mobility option elements with the identified issues and needs,
- > Ties mobility option elements to the study area and goal, and
- > Addresses potential fatal implementation constraints associated with the mobility option elements.

Eight to ten mobility options are currently being developed for testing using this process.



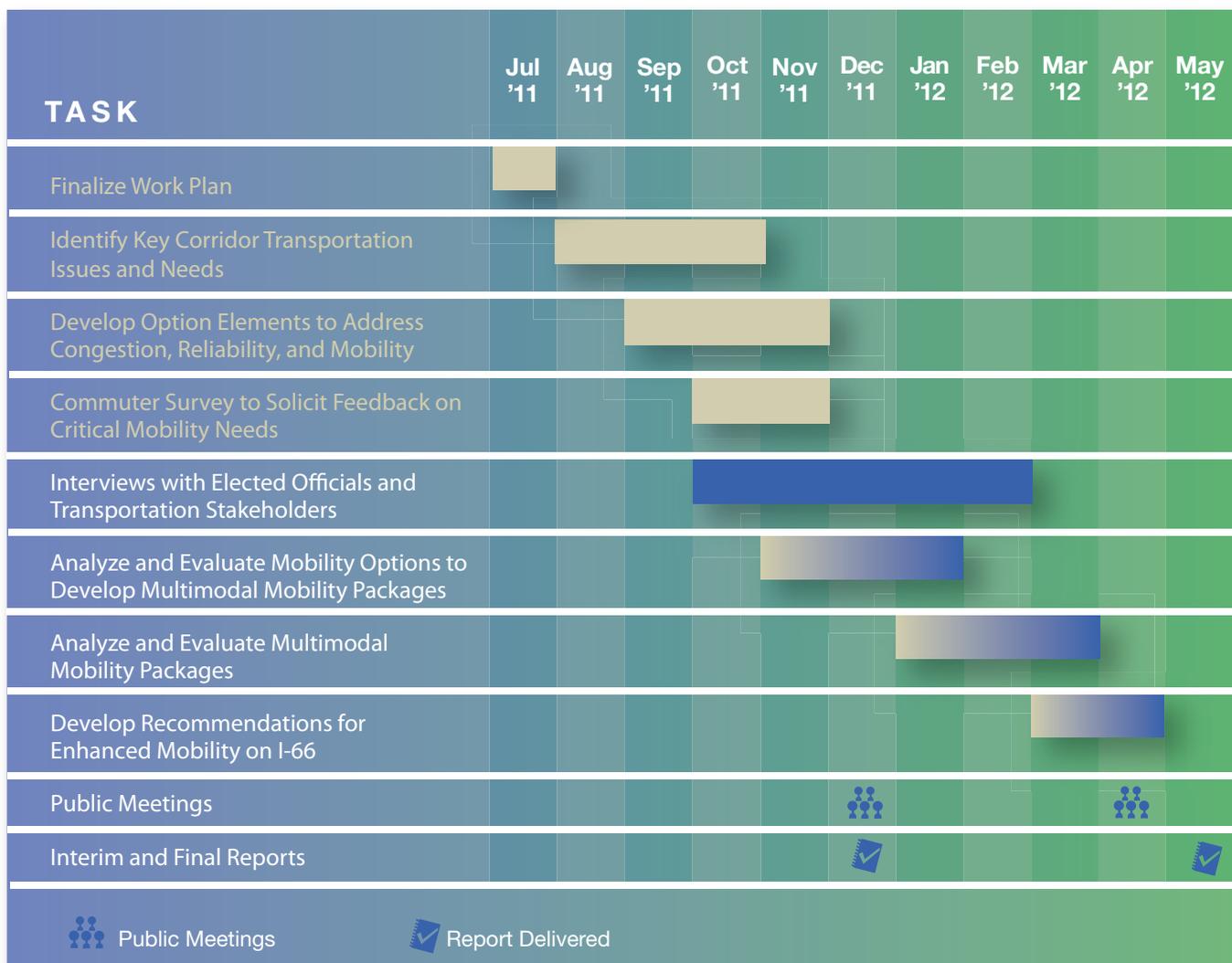
## Next Steps

The next several months include several technical analysis activities associated with the Study. First, formulation of the eight to ten mobility options for testing will be completed. These options will then be assessed using quantitative measures from the travel demand forecasting model, including change in share of non-SOV (single occupancy vehicle)

travel, change in person throughput, and change in congested vehicle miles traveled (VMT) in the study area. A qualitative assessment will also be performed. Next, four to five multimodal mobility option packages will be developed, informed by the mobility option testing. After these packages are assembled, additional technical analyses and evaluation to

arrive at potential study recommendations will be undertaken, again employing the travel forecasting model. Once recommendations are drafted, another round of public meetings will be held to review them with the public in advance of the publication of a final report. It is anticipated that these meetings will be scheduled in April 2012.

## Schedule/Key Milestones



 Complete
  In progress
  To come

This study has an aggressive schedule, with all work to be completed by Summer 2012.

## PUBLIC PARTICIPATION MEETINGS

Public meetings will be held to capture valued input.

### Fairfax County Meeting December 6, 2011 6-8 pm

Mary Ellen Henderson Middle School  
7130 Leesburg Pike  
Falls Church, VA 22043

### Arlington County Meeting December 14, 2011 6-8 pm

Arlington County Government Offices  
2100 Clarendon Boulevard  
Arlington, VA 22201

The next round of Public Meetings will occur in April 2012.

### Contact Us

Have an idea? Want to be sure to be notified of upcoming meetings and events? Please send us an email or leave us a message. Your input and suggestions are greatly appreciated and will be reviewed by the study team. As we reach study milestones, we will share timely updates on the project website.

#### Email

[info@i66multimodalstudy.com](mailto:info@i66multimodalstudy.com)

#### Call toll-free

855 STUDY66 (788-3966)

#### Visit

[www.i66multimodalstudy.com](http://www.i66multimodalstudy.com)

## Public and Stakeholder Involvement

Two key public involvement activities are underway or completed. These include:

> **Market Research** – A market research effort was undertaken to explore transportation characteristics, perceptions, attitudes, and preferences of commuters in the I-66 corridor inside the Beltway. The survey reached commuters using single occupant vehicles, hybrid vehicles, carpools, local bus, express bus, Metrorail, VRE, and bicycle in the corridor. More than 3,500 respondents in total completed the survey. Preliminary results support

looking at a variety of mobility options in the corridor. The market research will assist in identifying appropriate mobility options to advance towards testing.

> **Stakeholder Interviews** – To engage and inform elected officials and transportation stakeholders, a series of nearly sixty stakeholder interviews are being conducted. These interviews will enable the project team to obtain valuable input and insights into the corridor and its users. Information received is serving as additional input into the formulation of the mobility options for testing.

## How to Stay Informed and Involved

There are several ways that you can stay informed and involved in the I-66 Multimodal Study. You can provide comments at the December public meetings. Alternatively, you can provide comments anytime via email: [info@i66multimodalstudy.com](mailto:info@i66multimodalstudy.com) or the project hotline: 855-STUDY66 (788-3966).

To view the study area map, Fact Sheet #1, and other pertinent information about the study, visit the study webpage at: [www.i66multimodalstudy.com](http://www.i66multimodalstudy.com).

