



Woods Chapel Road Improvements  
**ENHANCEMENTS &  
IMPLEMENTATION**

## Enhancements and Non-motorized facilities

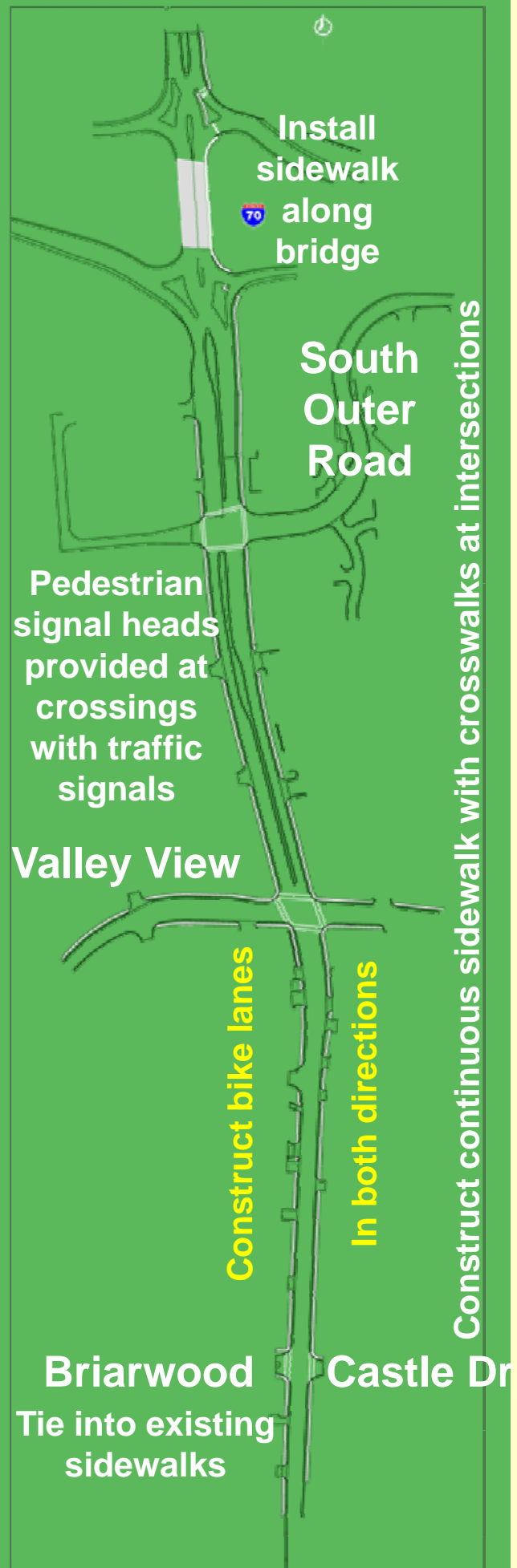
The proposed improvements account for the needs of various users of the corridor, including pedestrians, bicyclists and motorists. Design elements applicable to urban environments like reduced lane widths have been included to incorporate pedestrian-friendly, multi-modal amenities such as continuous sidewalks, pedestrian actuated traffic signals, crosswalks, median island refuges as well as marked and signed bike lanes.

Additional enhancements also include a mixture of stilling basins, silt fences, and controlled construction sequencing in residential areas. Landscaping will be included to enhance the environmental integrity of the area.

In addition to the traditional elements of roadway design and the construction outlined above, TranSystems is working in conjunction with its partners on the project and city staff to create an environmentally friendly project. The project anticipates incorporating sustainable elements such as:

- Installing pervious sidewalk pavement,
- Carefully designed landscaping, and
- Utilizing recycled material for construction.

This approach will enhance the environmental integrity of the area as well as improve the communities quality of life.



## Implementation

### Construction Phasing

In general terms, the construction sequencing for the Woods Chapel Road Improvements has been developed based upon the roadway remaining open to traffic during construction. While lane closures may occur, the roadway will continue to provide mobility and access throughout construction. An overview of the sequencing phases is:

**Phase I** – Construct relocated South Outer Road (SOR) and new traffic signal, as well as Woods Chapel Road (WCR) south of Valley View Road (VVR).

**Phase II** – Construct northbound lanes along WCR north of VVR, southbound lanes south of VVR, as well as construction of sidewalk across the I-70 bridge and widening of the I-70 ramps.

**Phase III** – Construct central portion of WCR and the ramps.

**Phase IV** – Construct southbound lanes on WCR north of SOR and northbound lanes south of SOR.

**Phase V** – Complete median and island construction

### Construction Cost and Schedule

An opinion of probable construction cost has been prepared based upon the preliminary plans and is estimated in 2009 dollars at \$8.5 million. This cost excludes the cost for purchasing right-of-way and any relocation of utilities.

The tentative timeline for the Woods Chapel Road Improvements is as follows:

<b>Complete Final plans:</b>	<b>Spring 2010</b>
<b>Acquire right-of-way:</b>	<b>Summer 2010</b>
<b>Relocate utilities:</b>	<b>Fall 2010 to Spring 2011</b>
<b>Start Construction:</b>	<b>Summer 2011</b>
<b>Project Completion:</b>	<b>Fall 2013</b>

The start of construction for the roadway improvements is dependent upon the start and duration of right-of-way acquisition and utility adjustments.