

# CLACKAMAS COUNTY BOARD OF COUNTY COMMISSIONERS

## Study Session Worksheet

**Presentation Date:** June 18, 2013

**Approx Start Time:** 11:00 AM

**Approx Length:** 30 minutes

**Presentation Title:** Use of Transportation System Management and Operations (TSMO) Regional Flexible funds to deploy Traffic Adaptive Signal Systems on Sunnyside Road

**Department:** Department of Transportation and Development - Engineering Division

**Presenters:** Mike Bezner, Transportation Engineering Manager and Bikram Raghubansh, Sr. Traffic Engineer

**Other Invitees:** Dan Johnson, Development Agency Manager

### **WHAT ACTION ARE YOU REQUESTING FROM THE BOARD?**

Approval to accept MTIP funds provided through Metro and enter into an IGA with ODOT for the deployment of an Intelligent Transportation System (ITS) project implementing Traffic Adaptive Signal Systems on Sunnyside Road from SE 82nd to SE 122nd.

### **EXECUTIVE SUMMARY:**

The regional Intelligent Transportation System group (TransPort) has recommended the Sunnyside Road Traffic Adaptive Signal project as part of the 2014-15 Metropolitan Transportation Improvement Program (MTIP) sub-allocation under the TSMO program administered by Metro. The proposed ITS project will fund a new adaptive signal system for up to thirteen (13) traffic signals along SE Sunnyside Road. The limits of the project will be from east of SE 82nd Avenue to SE 122nd Avenue.

Implementation of adaptive signal systems is expected to improve the operational efficiency of this corridor including access to/from the Clackamas Town Center, I-205, Kaiser Sunnyside Hospital, and the Happy Valley area. Unlike conventional time-of-day signal timing coordination, the adaptive signal system is designed to better adjust signal timing to match real-time traffic conditions.

Sunnyside Road at Stevens Road is the controlling intersection within the corridor related to signal timing and operations. In conjunction with the proposed intersection capacity improvements funded by the Development Agency, the traffic adaptive control will allow a higher level of efficiency in operations.

An Intergovernmental Agreement with ODOT will be required to dedicate funds for this project. It will be presented for Board approval at a later date.

### **FINANCIAL IMPLICATIONS (current year and ongoing):**

The estimated project cost is \$557,227. Federal funds will provide \$500,000 and the remaining \$57,227 (10.27%) is to be met by the Road Fund and/or the Development Agency.

### **LEGAL/POLICY REQUIREMENTS:**

N/A

**PUBLIC/GOVERNMENTAL PARTICIPATION:**

This project will be coordinated with ODOT, TransPort, and the City of Happy Valley.

**OPTIONS:**

Approve DTD's project submittal for Sunnyside Rd: Adaptive Signal project.

Not approve DTD's project submittal for Sunnyside Rd: Adaptive Signal project.

**RECOMMENDATION:**

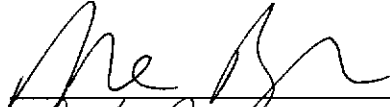
Staff recommends the Board of County Commissioners approve DTD to accept MTIP funds and enter into an IGA with ODOT for the deployment of an Intelligent Transportation System (ITS) project to implement Traffic Adaptive Signal Systems on Sunnyside Road from SE 82nd to SE 122nd.

**ATTACHMENTS:**

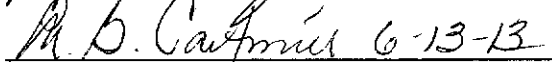
Project vicinity map.

**SUBMITTED BY:**

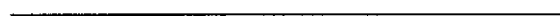
Division Director/Head Approval



Department Director/Head Approval



County Administrator Approval



For information on this issue or copies of attachments, please contact Bikram Raghubansh @ 503-742-4706



22 May 2013



**Jurisdiction**

- Clackamas Co. Signals
- ▲ ODOT Signals

**Adaptive Signal Project**

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**Clackamas County  
Traffic Signals  
ADAPTIVE SIGNAL PROJECT**

