



**DETERMINATION OF NONSIGNIFICANCE (DNS)  
AND ADOPTION OF EXISTING ENVIRONMENTAL DOCUMENT  
I-405 SR 181 and SR 167 Ramp and Safety Improvement Project**

**Description of proposal:** This Project will widen three existing ramps along I-405, two ramps at the SR 181 interchange and one ramp at the SR 167 interchange. These improvements address both safety and traffic operations.

The ramp improvements at the SR 181 interchange will widen the off-ramp from northbound I-405 to SR 181. In addition, improvements at the SR 181 interchange will widen the on-ramp from SR 181 to northbound I-405. New ramp meter equipment and a signal cabinet will be installed at the on-ramp. There will be a slight increase in capacity as the new configuration will have two metered general-purpose lanes and an HOV bypass shoulder. The existing configuration has one general-purpose lane and an HOV bypass lane. A new traffic signal with a dual protected left turn arrow will be added to SR 181 at the intersection with the I-405 ramp termini.

The ramp improvement at the SR 167 interchange will widen the on-ramp from southbound SR 167 to southbound I-405. New ramp meter equipment and a signal cabinet will also be installed. There will be a slight increase in capacity as the new configuration will have two metered general-purpose lanes and an HOV bypass lane. The existing configuration only has a general-purpose lane.

These improvements add a total of 23,523 square feet of impervious surface. The Highway Runoff Manual will be followed to provide detention and treatment for the new impervious surface. Water quantity detention will be provided by constructing a new detention pond within the southwest quadrant of the SR 181 interchange and modifying the detention pond on the south side of I-405 at milepost 1.90. Water quality treatment will be provided through the construction of new ecology embankments.

The Project occurs entirely within existing WSDOT right-of-way. Therefore, there are no zoning issues.

**Location of proposal, including street address, if any:** The Ramp and Safety Improvement Project extends for approximately 0.23 miles along I-405 at the I-405 northbound off and on ramps at SR 181 and the southbound SR 167 to southbound I-405 on-ramp.

