

**West Olympia Access Study
Interchange Alternatives Comparison
August 6, 2009**

Criteria		Black Lake Interchange Alternative	Evergreen Interchange Alternative
Built Environment Impacts	General	<ul style="list-style-type: none"> No displacements or disruptions of access identified 	<ul style="list-style-type: none"> Potential displacements and disruption of access to residential and commercial properties in the US 101/Kaiser Way interchange area
	Right-of-Way Needs	<ul style="list-style-type: none"> Less right-of-way acquisition-impacts to platted developments and existing commercial properties (3.8 acres) 	<ul style="list-style-type: none"> More right-of-way acquisition, mostly undeveloped parcels (5.5 acres)
Natural Environment Impacts	Wellhead and Wetlands	<ul style="list-style-type: none"> Less water resource impacts based on proximity to Allison Springs Slightly less wetland impacts (1.7 acres) 	<ul style="list-style-type: none"> Potentially more water resource impacts based on proximity to Allison Springs Slightly more wetland impacts (2.6 acres)
	Impervious Surface	<ul style="list-style-type: none"> Slightly more additional impervious surface (8 acres) 	<ul style="list-style-type: none"> Slightly less additional impervious surface (7 acres)
Constructability	General	<ul style="list-style-type: none"> More difficult to construct - periodic and major disruptions to traffic during construction Longer to construct 	<ul style="list-style-type: none"> Less difficult to construct - periodic disruptions to traffic, can be built mostly outside of roadway
	Bridge and Walls	<ul style="list-style-type: none"> More bridge structures and retaining wall required 	<ul style="list-style-type: none"> Fewer bridge structures and less retaining wall required
	Relative Cost	<ul style="list-style-type: none"> Higher estimated construction cost 	<ul style="list-style-type: none"> Lower estimated construction cost
Safety	General	<ul style="list-style-type: none"> Essentially equal with other alternative Potential design deviations and design issues 	<ul style="list-style-type: none"> Essentially equal with other alternative No design deviations identified and fewer design issues
	Freeway Safety	<ul style="list-style-type: none"> Slightly better due to fewer conflict points 	<ul style="list-style-type: none"> Slightly worse due to weaving section between Evergreen and Black Lake interchanges
Transportation Benefits	Freeway Operations	<ul style="list-style-type: none"> Slightly better, fewer failing segments 	<ul style="list-style-type: none"> Slightly more failing segments
	Local Street Operations and Improvements	<ul style="list-style-type: none"> Slightly better local street system operations 7 intersection improvements 3 projected new signals 	<ul style="list-style-type: none"> 10 intersection improvements 3 projected new signals



Evergreen Interchange-Kaiser Alternative



Black Lake Interchange-Yauger Extension Alternative



Proposed Interchange Improvements along US 101 vicinity West Olympia