

FOOTHILLS TRAIL - KING COUNTY PARKS									
WHITE RIVER BRIDGE OPTION COMPARISON									
April 13, 2016									
			<b>Aesthetics &amp; User Appeal</b>	<b>Environmental / Permitting</b>	<b>Durability</b>	<b>Safety</b>	<b>Emergency Access</b>	<b>Reliability</b>	<b>Recycle</b>
	<b>Const Cost</b>	<b>Maint Cost</b>							
<b>Relocate Existing SR 167 Bridge</b>	Highest cost alternative. Contingencies / Unknowns; Bridge components may need adaptation to meet code(s); Contribution from WSDOT.	High maintenance costs - size, number and type of components for inspections and painting	Size is out of scale with setting; trail deck width 16-feet	Construction method requires in/over-water work	Used bridge - 50 year life expectancy	Alluring climbing hazard; existing bracing may facilitate climbing	Potential emergency vehicle crossing	Potential to meet structural codes with component upgrades	Reuse existing bridge
<b>New Pedestrian Bridge</b>	Lowest construction cost option	Weathering Steel - no painting, low maintenance	Aesthetically pleasing -choice of suitable style for setting; trail deck width 18-feet	Construction from land likely - minor over-water work	New bridge - 75 year life expectancy	Design considerations to discourage climbing	Lightweight vehicle access; H10 design rating	Pre-fabricated structure with Manufacturer's support; Designed to meet current structural codes and owners preferences	Potential to recycle / adapt to existing bridge piers
<b>New Bridge with Emergency Access</b>	Lower construction cost than relocated SR 167 bridge	Weathering Steel - no painting, low maintenance	Aesthetically pleasing -choice of suitable style for setting; trail deck width 18-feet	Construction from land likely - minor over-water work	New bridge - 75 year life expectancy	Design considerations to discourage climbing	Provide HS-20 design rating for regional emergency service	Pre-fabricated structure with Manufacturer's support; Designed to meet current structural codes and owners preferences	Potential to recycle / adapt to existing bridge piers