

**Bundle #2: Farmington Falls, Alder Stream, and Hall Bridge Replacements  
Benefit Cost Analysis (BCA) - Bridge Replacement compared to No Build**

	Costs	Benefits
CAPEX	\$7,194,637	
O&M	\$347,058	\$2,320,671
Travel Time Savings		\$110,550,158
Safety		\$45,984,146
Emissions		\$461,204,025
Operating Costs		\$117,699,270
<b>TOTAL</b>	<b>\$7,541,695</b>	<b>\$737,758,270</b>
Benefit-Cost Ratio		<b>97.82</b>

**Hall**

Bridge #2341	Costs	Benefits
CAPEX	\$998,525	
O&M	\$52,966	\$430,878
Travel Time Savings		\$45,524,453
Safety		\$19,398,148
Emissions		\$140,639,825
Operating Costs		\$43,656,766
<b>TOTAL</b>	<b>\$1,051,491</b>	<b>\$249,650,071</b>
Benefit-Cost Ratio		<b>237.42</b>

**Farmington Falls**

Bridge #2273	Costs	Benefits
CAPEX	\$3,999,356	
O&M	\$183,076	\$991,626
Travel Time Savings		\$17,034,220
Safety		\$7,395,519
Emissions		\$46,405,464
Operating Costs		\$15,939,434
<b>TOTAL</b>	<b>\$4,182,432</b>	<b>\$87,766,263</b>
Benefit-Cost Ratio		<b>20.98</b>

**Alder Stream**

Bridge #3265	Costs	Benefits
CAPEX	\$2,196,756	
O&M	\$111,016	\$898,168
Travel Time Savings		\$47,991,484
Safety		\$19,190,478
Emissions		\$274,158,736
Operating Costs		\$58,103,070
<b>TOTAL</b>	<b>\$ 2,307,771</b>	<b>\$ 400,341,937</b>
Benefit-Cost Ratio		<b>173.48</b>