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| **ACTIVITY** | **PROJECT COST (US$)** | **CLIMATE CHANGE COST (US$)** | **COMMENTS** |
| **Section 1: Roaring Creek Bridge** | **5,258,489** | **2,583,489** |  |
| - Bridgeworks | 5,258,489 | 2,583,489 | The bridge was estimated at $2,675,000 in the preliminary designs. The bridge design was improved after it was discovered that the bridge would be overtopped, and the channel eroded in a design storm of a 100-year return period. The Climate Change cost was considered as the amount over the original estimate |
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| **Section 2: Roaring Creek to Iguana Creek Junction** | **3,004,000** | **1,051,400** |  |
| -Drainage | 2,153,000 | 753,550 | The drainage system consists of road side earthen drains and culverts. The designs were done for a 20-year return event which resulted in the culverts in particular being sized at 1.5 time the existing ones. As such 35% of the cost of the drainage works were considered as the cost related to Climate Change. |
| -Culvert C213 | 429,500 | 150,325 |
| -Culvert C217 | 421,500 | 147,525 |
|  |  |  |  |
| **Section 3: Iguana Creek Junction to Santa Elena Round About** | **5,279,464** | **2,862,326** |  |
| -Drainage | 3,718,674 | 1,301,536 | Similarly, to above the Climate Change cost was taken as 35% of the cost |
| -Garbutt Creek Flood Relief Culvert C314 | 594,618 | 594,618 | This is a new culvert to provide relief to the Creek in a design storm as such is 100% due to climate change |
| -Scour Protection - B04: Red Creek Bridge | 62,625 | 62,625 | The scour protection is needed for the structure to withstand the flows generated by a 20-year return period storm as such is it 100% due to climate change. |
| -Little Barton Creek Culvert C306a | 592,558 | 592,558 | This is a new culvert to provide relief in a design storm as such is 100% due to climate change. |
| -W03 & W04 Retaining Walls | 310,990 | 310,990 | The retaining walls are needed to protect structure from the runoff and flows generated by a 20-year return period storm as such is it 100% due to climate change. |
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| **Total Climate Change Cost** |  | **6,497,215** |  |
|  |  |  |  |
| **Percentage if the US$41,028,000 operation** |  | **16%** |  |