|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Evaluation Matrix | | | | | | |
| Category | | Do  Nothing | Treatments on  Existing Alignments (Alt. Y) | | Treatments on  New Alignment | |
| Replacement | Rehabilitation | Alt. X | Alt. Y |
| Cost | Roadway |  | $580,000 | $580,000 | $710,000 | $680,000 |
| Structure |  | $1,490,000 | $2,700,000 | $2,007,000 | $2,724,000 |
| Detour |  | $195,000 | $195,000 | $0 | $0 |
| Traffic & Safety |  | $50,000 | $50,000 | $50,000 | $50,000 |
| Total | 0 | $2,315,000 | $3,525,000 | $2,767,000 | $3,454,000 |
| Engineering | Typical Section | Insufficient | 1.5-3.3-3.3-1.5 | 1.5-3.3-3.3-1.5 | 1.5-3.3-3.3-1.5 | 1.5-3.3-3.3-1.5 |
| Align. Change | 0 | 0 | 0 | 52 | 40 |
| Bicycle Access | Travel Lane | Shoulder | Shoulder | Shoulder | Shoulder |
| Hydraulic Performance | Sufficient | Better | Sufficient | Sufficient | Sufficient |
| Utilities | No Impact | Aerial | Aerial | Aerial | Aerial |
| Impacts | Ag. Lands | None | 5400 m | 5400 m | -7500 m | 4500 m |
| Archaeological | None | 400 m | 400 m | 1300 m | 50 m |
| Historic | None | Adverse | No Adverse | No Adverse | No Adverse |
| Hazardous Materials | None | 0 | 0 | 0 | 0 |
| Floodplains | None | 2050 m | 2050 m | 1400 m | 4800 m |
| Fish & Wildlife | None | Minimal | Minimal | Moderate | Moderate |
| Rare, Threatened & Endangered Species | None | None | None | None | None |
| Public Lands – Sect. 4(f) | None | 0 | 0 | 0 | 0 |
| LWCP – Sect. 6(f) | None | 0 | 0 | 0 | 0 |
| Noise | None | No Change | No Change | No Change | No Change |
| Wetlands | None | 1500 m | 1500 m | 1550 m | 2250 m |
| Local & Regional Issues | Concerns | Bridge Failure | No Concerns | Sight Distance | Maint. of Exist. Br. | Maint. of Exist. Br. |
| Aesthetics | Unchanged | Minimal | Minimal | Negative | Negative |
| Community Character | Unchanged | Relatively Unchanged | Relatively Unchanged | Negative | Negative |
| Economic Impacts | Possible | None | None | Maint. of Exist. Br. | Maint. of Exist. Br. |
| Conformance to Reg. Transportation Plan | No | Yes | Yes | Yes | Yes |
| Satisfies Purpose & Need | No | Yes | Yes | Yes | Yes |
| Permits | ACT 250 | No | 28,550 m (no) | 28,550 m (no) | 34,850 m (no) | 32,800 m (no) |
| 401 Water Quality | No | Yes | Yes | Yes | Yes |
| 404 COE Permit | No | Yes | Yes | Yes | Yes |
| Stream Alteration | No | Yes | Yes | Yes | Yes |
| State Wetland Permit | No | Yes | Yes | Yes | Yes |
| Storm Water Discharge | No | No | No | No | No |
| Lakes & Ponds | No | No | No | No | No |
| T & E Species | No | No | No | No | No |
| SHPO | No | Yes | Yes | Yes | Yes |
| Other |  |  |  |  |  |  |