**Preliminary Impact Summary for Katlian Bay Road Project**

|  |  |  |  |
| --- | --- | --- | --- |
| **Criteria Evaluated** | **Original Conceived Route** | **Option Considered but Dismissed** | **Proposed Route** |
| Total Length (miles) | 8 | 10 | **9** |
| Total Area Impacted1 (acres) | 79 | 101 | **97** |
| Length of Katlian River Bridge (ft) | 330 | 260 | **150** |
| Presence of slopes > 67% | 20.7 | 33.6 | **33.6** |
| Presence of marine/estuary wetland habitat | Present | Present | **None** |
| Wetland acres impacted | 17.7 | 23.9 | **12.0** |
| No. of cataloged anadromous stream crossings | 4 | 4 | **4** |
| No. of navigable streams crossed | 1 (Katlian River) | 1 (Katlian River) | **1 (Katlian River)** |
| Presence of eagle nests | 6 nests are within 330 feet of ROW | 2 nests are within 330 feet of the ROW | **2 nests are within 330 feet of the ROW** |
| Presence of threatened or endangered species | None | None | **None** |
| USFS land use designations | Crosses Semi-remote Recreation LUD | Crosses Semi-remote Recreation LUD | **Crosses Semi-remote Recreation LUD** |
| Presence of floodplains as defined by the FEMA | 3 crossings of  Zone-A floodplains | 3 crossings of  Zone-A floodplains | **3 crossings of  Zone-A floodplains** |
| Presence of cultural and historic sites | None | None | **None** |
| Potential impacts to drinking water sources | None | None | **None** |
| Potential impacts to water quality | Temporary construction disturbances to be minimized by BMps | Temporary construction disturbances to be minimized by BMPs | **Temporary construction disturbances to be minimized by BMPs** |
| Potential impacts to landowners | Crosses lands owned/managed by Alaska State, Shee Atika, and USFS | Crosses lands owned/managed by Alaska State, Shee Atika, and USFS | **Crosses lands owned/managed by Alaska State, Shee Atika, and USFS** |
| Potential impacts to air quality, traffic, and noise | Temporary construction disturbances likely | Temporary construction disturbances likely | **Temporary construction disturbances likely** |

1 For this initial alternative comparison, ROW width is estimated using a generic approach with slopes of 0%‑33% having a 70-foot ROW width, slopes of 35%‑55% having an 80 foot-width and slopes of 55% or greater having a 95-foot ROW width. Final ROW widths would be determined following more detailed engineering design and would likely decrease, although intervisible turnouts, lookouts, and parking areas may increase some areas of the ROW.