|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Risk Assessment Sheet for Vehicle Restraint Systems | | | | | | | | Date: | | | Completed By: | | | |
| **Location ID/Description:** | | |  | | | |
| **Site Survey Conducted (Y/N):** | | | | | | |
| Hazard Type, Start and End Co-ordinates | | Is Hazard within the Clear Zone? (Y/N) | Can the Hazard be Mitigated? (Y/N) | (1) Hazard Ranking | Sinuosity Index  (SI) | (2) Sinuosity Ranking | (3a) Collision Rate Threshold | (3b) Collision Rate Ranking | (4) Risk of a Vehicle Leaving the Road | (5) Overall Risk Rating | | Distance of Hazard (m) | VRS to be Installed (Y/N)  Start and End Coordinates | Reasons for Installing / Not Installing the VRS |
| 1 |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  | |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **(4) Risk of a Vehicle Leaving the Road** | | **Collision Rate Ranking** | | |
| **H** | **M** | **L** |
| **Sinuosity**  **Ranking** | **H** | H | H | M |
| **M** | H | M | L |
| **L** | M | L | L |

**L = Low, M = Medium, H = High**

(1) Hazard Ranking as per Appendix C (2) Sinuosity Ranking

High/Very High (H) as per Appendix C High (H) > 1.02

Medium (M) as per Appendix C Medium (M) = 1.004 ≤ SI ≤1.02

Low (L) as per Appendix C Low (L) < 1.004

(3a) Collision Rate Threshold (3b) Collision Rate Ranking

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **(5) Overall Risk Rating** | | **Hazard Ranking** | | |
| **H** | **M** | **L** |
| **Risk of a Vehicle Leaving the Road** | **H** | H | H | M |
| **M** | H | M | L |
| **L** | M | L | L |

(1) Twice above Expected Rate High (H) = Twice above Expected Rate

(2) Above Expected Rate Medium (M) = Above Expected Rate

(3) Below Expected Rate Low (L) = Below Expected Rate and Twice Below Expected Rate

(4) Twice Below Expected Rate