



## Award of Merit Wildlife Detection System



### Consultant

PBX Engineering Ltd.

### Owner/Client

BC Ministry of Transportation and Infrastructure

### Category

Natural Resource & Habitat

Each year, thousands of collisions with wildlife are reported on BC highways. Wildlife Vehicle Collisions (WVCs) endanger various wildlife species, often result in serious personal injuries, and cost millions of dollars annually. Through an analysis of historical collision information, the two corridors along Highway 3 in Southeastern BC were identified as having the highest frequencies in the province.

With the objective of protecting the wildlife and improving travellers' safety, the most appropriate solution would be a technology to both detect the presence of wildlife and advise motorists to slow down.

The solution consists of a suite of Intelligent Transportation System components integrated with high-performance security technologies. The combination of these technologies provides a highly effective fusion of driver notification systems from the transportation field and sophisticated detection and analysis technologies from the security field. When a large animal is detected on or near the corridor, the control system activates a series of warning signs that advise motorists of the presence of animals.

PBX Engineering planned, designed, and commissioned the system. The resulting Wildlife Detection System provides greater protection of wildlife and motorists.

For more information, please contact:

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