



**Region 5 Barrier ID: W042 (Barrier).**

**Barrier Name:** US-101 Liberty Canyon.

**Linear Infrastructure:** US-101.

**Geographic Area:** Liberty Canyon in Agoura Hills connects Simi Hills and Santa Monica Mountains.

**Length:** 1.39 km (0.86 mi)

**Target Species:** Mountain lion (*Puma concolor*), deer (*Odocoileus hemionus*), bobcat (*Lynx rufus*), mesocarnivores: skunk (*Mephitis spp.*), Virginia opossum (*Didelphidae virginiana*), raccoon (*Procyon lotor*), gray fox (*Urocyon cinereoargenteus*).

**Connectivity Concerns:** US-101 bisects important mountain lion habitat between Simi Hills to the north and Santa Monica Mountains to the south. Connectivity improvements need to be made to provide a safe and sustainable passage for wildlife across US-101 near Liberty Canyon Road in the City of Agoura Hills to reduce wildlife death and allow for the movement of animals and the exchange of genetic material. Without a safe and sustainable wildlife crossing, movement between these remaining areas of natural habitat is severely restricted and wildlife within the Santa Monica Mountains is essentially trapped. US-101 divides this previously contiguous range into isolated habitat fragments resulting in inbreeding, territorial fighting, decreased genetic diversity within the Santa Monica Mountains, and restricted movement between these mountain ranges.

**Remediation Goals:** Liberty Canyon wildlife crossing, directional fencing, innovative soundwalls and lighting to reduce the impact of noise and lights. Attempt to mirror habitat conditions found on both sides of the road and provide continuous habitat adjacent to and within the structure.



**Figure:** US-101, Liberty Canyon is a Region 5 wildlife connectivity barrier.