

Figure 5. Wildlife Corridor

Alternative 1 – Alternative 1 proposes to construct a 165-foot wide by 200-foot long bridge across US-101 immediately west of Liberty Canyon Road (Figure 6 and 7).

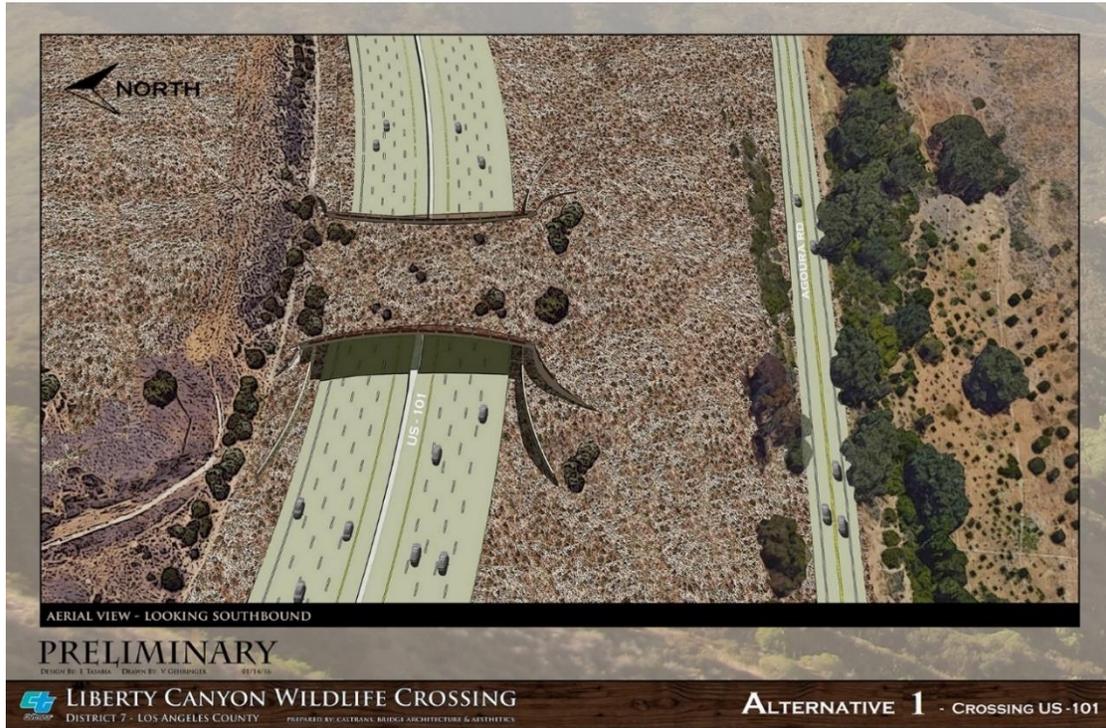


Figure 6. Preliminary Design Rendering of Alternative 1



Figure 7. HWY 101 Preliminary Design Cross Section

Alternative 2 – Alternative 2 includes the structure described in Alternative 1 with the addition of an extension of the overcrossing over Agoura Road, which runs parallel to US-101 at this location (Figure 8 and 9).

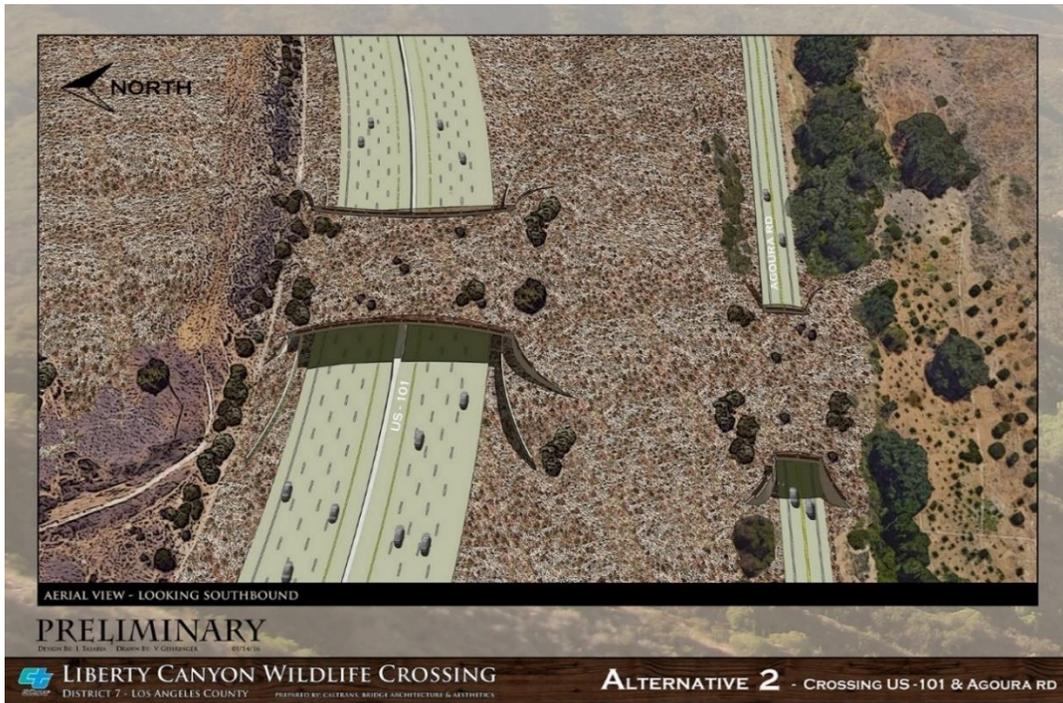


Figure 8. Preliminary Design Rendering for Alternative 2



Figure 9. Agoura Road Cross Preliminary Design Cross Section (Alternative 2 only)

Alternative 2 has two design options:

- Design Option 1- Construct a 48-foot wide bridge and associated retaining wall system along Agoura Road to keep the road operational and to accommodate the fill material needed to construct the wildlife crossing.
- Design Option 2- Construct a 54-foot wide bridge and associated retaining wall system along Agoura Road to keep the road operational and to accommodate the fill material needed to construct the wildlife crossing.

Both design options for the proposed overcrossing over Agoura Road will consist of a vertical clearance of 18 feet.

1.6 Common Design Features of the Build Alternatives

Common design features of both build alternatives (Build Alternative 1 and 2) include:

- Constructing a two span 165-foot wide by 200-foot long bridge with columns on spread footings in the freeway median.
- Constructing retaining walls at both the north and south ends of the bridge.
- Constructing soundwalls along the outer edges of the bridge to mitigate traffic noise and block light in order to make the crossing more conducive to wildlife crossing.
- Planting vegetation on and adjacent to the bridge to create an extension of the surrounding wildlife habitat and connect the crossing to the existing riparian corridor.
- Installing irrigation and drainage systems on the bridge.
- Filling and grading the slope and open area between the freeway and Agoura Road from the southern bridge abutment down to the shoulder of Agoura Road.
- Modifying or replacing existing wildlife fencing to prohibit wildlife from accessing US-101 and funnel wildlife to the overcrossing.
- Constructing a five-foot, multi-use, single-track compacted dirt recreational trail on the overcrossing.
- Directional fencing is currently being constructed as part of a separate project. This fencing would funnel wildlife to the existing Liberty Canyon Road Undercrossing. Under the Build Alternatives, this fencing may be modified to funnel wildlife to and through the project instead.

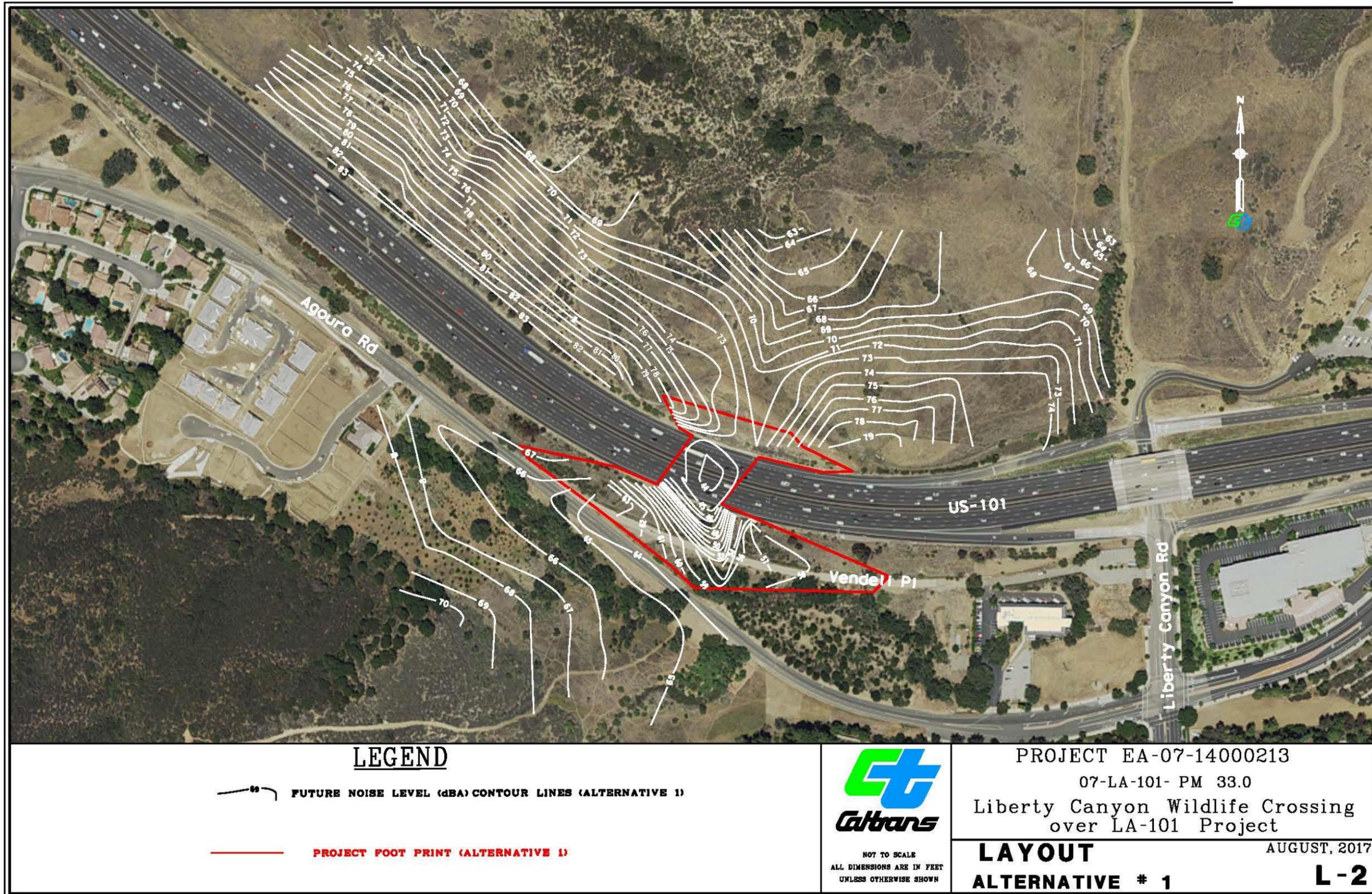


Figure 18. Build Alternative 1 Future Noise Level Contour Lines

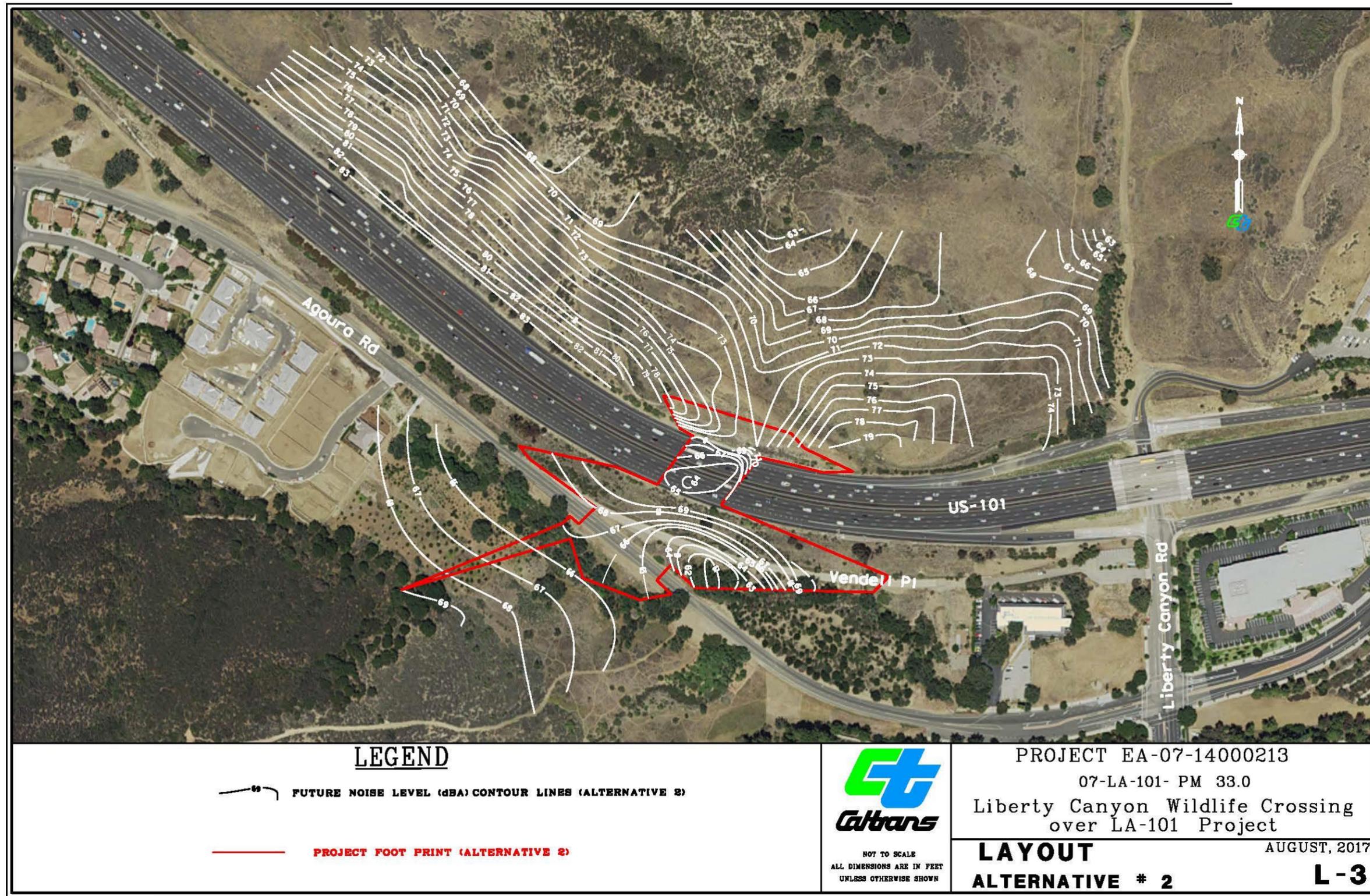


Figure 19. Build Alternative 2 Future Noise Level Contour Lines

Liberty Canyon Biological Study Area



Figure 25. Project Impact Areas