



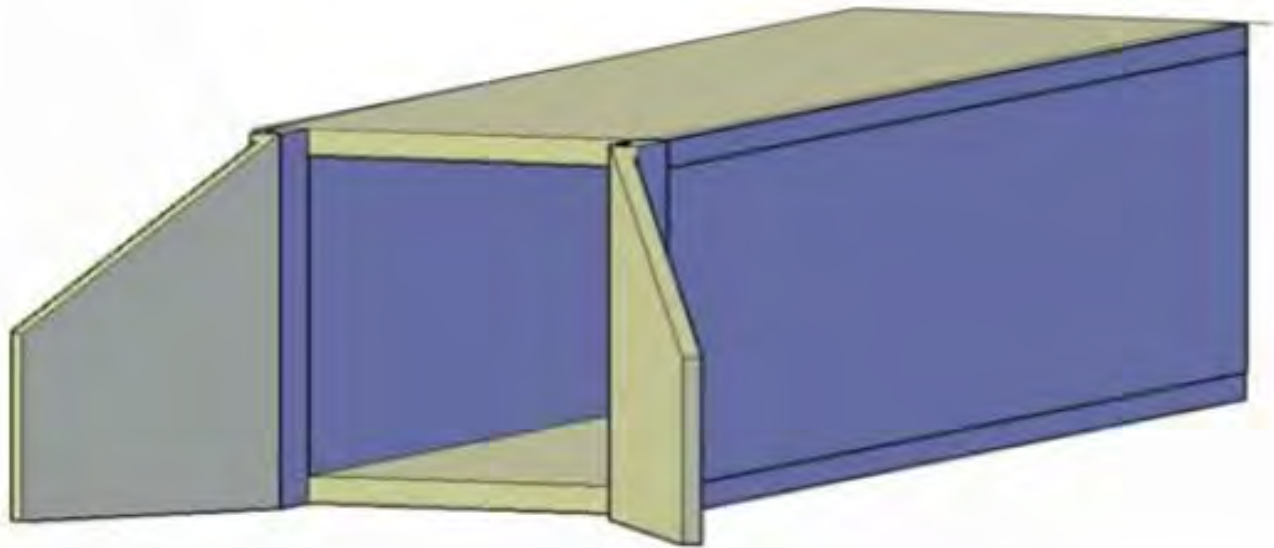
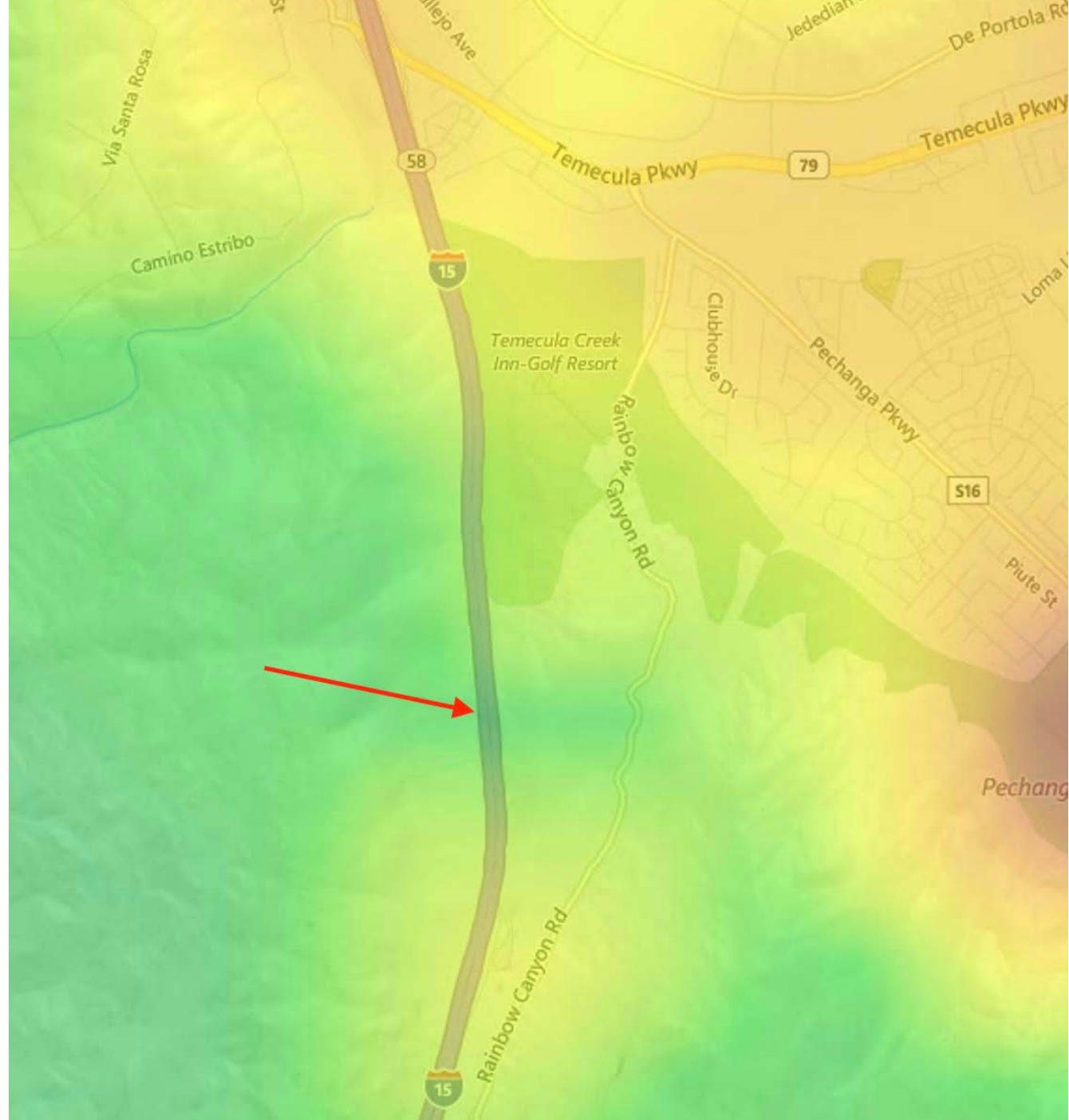


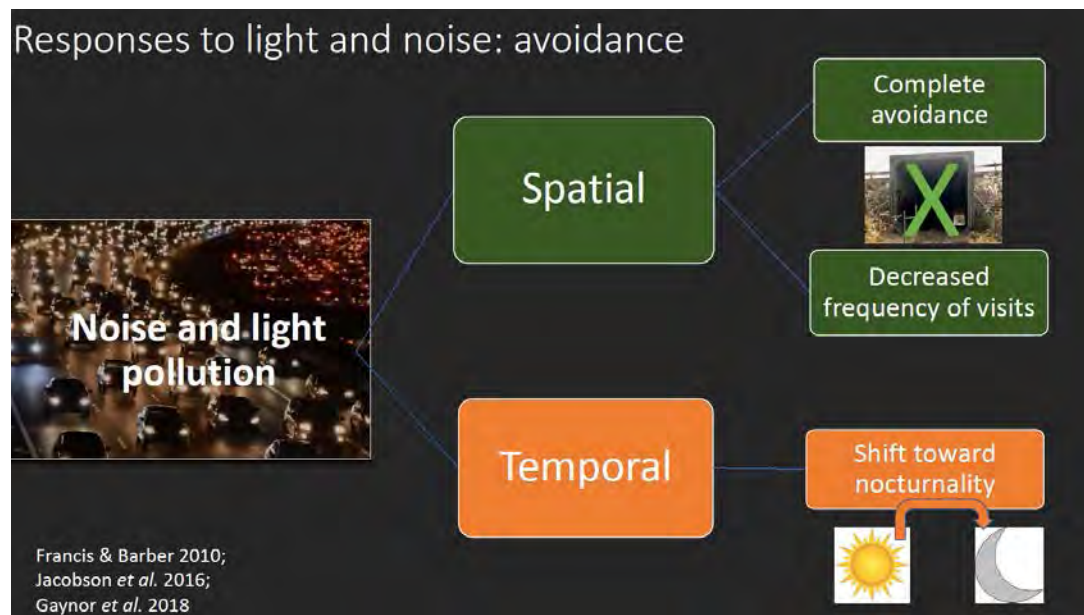
Figure 6.2. *Concrete Box Culvert Design.*

Light measurements from space. Darker areas on image are darkest on the surface. Darkest area is in the general location being considered for a new crossing.

Currently measuring light at ground level and on slopes leading down to a potential crossing site.



- Amy Collins sound measurements and paper pending
- Sound levels under the Temecula Creek Bridge were the same as levels right beside the freeway on the shoulder, suggesting sound dampening measures as suggested by CPP study are indicated



- Bottom line:
- Still adequate potential for safe crossing of regional highways – I-15 needs modifications at Bridge
- New structure north of Border check station would be HIGHLY likely to be successful
- New structure is feasible from an engineering perspective
- Light and sound studies support both Bridge mods and overcrossing so far

- Adequate infrastructure exists across the region's highways for mountain lion safe crossings
- However, of the 39 sites with adequate infrastructure and known crossings or high use levels by mountain lions, only 8 had over 50% or more conserved land in the vicinity
- Many of the adequate sites are in vicinity of less suitable sites and funneling fencing could make crossings safer for lions and people

On line resources and recent outreach:

CPP Student team presentation for the engineering students and faculty (their project won a top award) https://streaming.cpp.edu/media/0_nxln5xps, and a website detailing the findings of their portion of the overall project <https://i15wildlifecrossing.wixsite.com/calpolypomona>.

Additionally a webpage and podcast was developed by TNC highlighting the connectivity issues <https://www.nature.org/en-us/what-we-do/our-priorities/protect-water-and-land/land-and-water-stories/a-path-for-mountain-lions/?src=e.dfg.eg.x.pod.F>

A 9-episode series of short documentaries was developed by the UCD team that has been viewed online over 50,000 times at www.camountainlions.com.

On Facebook our new one hour documentary blending portions of our 9 part series with new footage aired April 14 on P22's Facebook page, as well as a Q and A session after the showing is here <https://www.facebook.com/p22mountainlionofhollywood/videos/>

We will forward links to the ARC GIS tools and databases that our team developed once the report is accepted as final by the agencies and the tools are streamlined a bit for easier use.