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Two-Year Wildlife Corridor Study

Conclusions

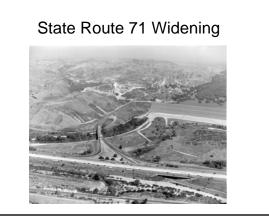
- · Crossings need to be at grade (level with the ground below)
- Small animals use crossings despite low to no openness
- Large animals need openness
- · Fencing needs to be structurally sound and stretch farther
- Human trash encourages animals on roadway

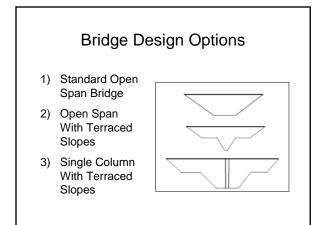


State Route 71 Widening

- Changes to the 21 Culverts
- 4 culverts changed to 2 wildlife bridges
- · 8 culverts extended
 - 2 box culverts (and widened)
 - 6 culverts
- 1 culvert cleaned
- 9 culverts not impacted
- · Native vegetation planted





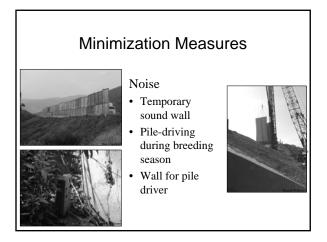


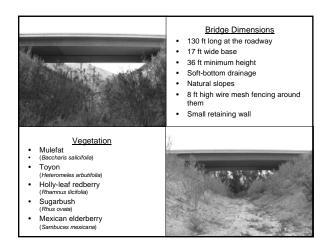
Minimization Measures

Visual

- "EMERGENCY PARKING ONLY" and "NO PARKING" signs placed in turnouts and shoulders close to the bridges
- · Fencing placed around all culverts and drainages
- Barbed wire fencing outside of Caltrans right-of-way







Follow-up Study

Background

- 2007-2010SR-71 and SR-91
- USGS, led by Lisa Lyren

Methods

- Cameras
 Bemetely triagered
- Remotely triggered
 Wireless
- GPS Telemetry collars
- Road kill surveys
- Tissue sampling

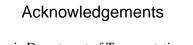


Caltrans Data Needs

- Effects of mesopredators on other bird communities and other animal species
- Studies of movement by smaller animals
- Cost-effective structures to meet goals of wildlife
 movement
- Noise thresholds







California Department of Transportation – Russell Williams

- United States Geological Survey
 - Erin Boydston, PhD
 - Lisa Lyren, MS
 - Chris Haas, MS
- Colorado State University
 - Kevin Crooks, PhD