

Exhibit C

Recommended Research/Information Topics for RTA Wildlife Linkage Projects

This list of recommended topics is not meant to be restrictive. All projects should avoid duplicating work already funded by the RTA Wildlife Linkages Committee or information readily available in the scientific literature.

1. Determine which type of culverts pass which type of wildlife species.
2. Determine what type of fencing/funneling material and escape structures are best suited for small animals.
3. Identify the major wildlife crossing areas within roadways identified on the Wildlife Priority Corridors List (i.e., where to place crossing structures).
4. Identify areas within Pima County that warrant the placement of wildlife permeability structures (i.e., outside the roadways identified on the Wildlife Priority Corridors List).
5. Establish techniques for identifying current wildlife pathways across roadways for multiple wildlife species and/or guilds of wildlife.
6. Summarize known literature on wildlife and roads, concentrating on species found in Southwestern AZ.
7. Develop standards and guidelines for placement and design of wildlife crossing structures along roadways.
8. Determine the necessary corridor width needed to pass wildlife safely to and from roadway wildlife crossings.
9. Determine if land use (i.e., degree of urbanization) on either side of the roadway determine the type of wildlife species and therefore crossing structures needed? For example, does a threshold of no concern exist?
10. Employ Monitoring and Adaptive Management principles when implementing wildlife crossing projects.
11. Determine extent to which roads act as a barrier to gene flow, and what the consequences may be.