



Partner Contributions Make it Possible to Install the Right Structure

- 2008
- Apache-Sitgreaves National Forest
- Partners: U.S. Fish and Wildlife Service, Arizona State Parks

Project description

The Apache-Sitgreaves National Forest created a partnership to fund a fish-friendly stream crossing at Morgan Creek on an existing Forest road. The new crossing protects aquatic species, provides for high-clearance and off-highway vehicles, and assures access for future timber sales.



“We started with an Arizona State Parks OHV grant for a 50-mile cross-district OHV route known as the Maverick Trail, which included a crossing over Morgan Draw,” says Steve Johnson, the zone engineer who worked on the project. “We thought we’d need a small structure, but as the project proceeded, it became clear that to do Morgan Crossing properly, we would need more money.” With additional funding from the U.S. Fish and Wildlife Service, the Forest was able to install three pre-fabricated 15-foot bottomless box culverts to complete the 45-foot span of the crossing.



Before and after photos courtesy of Steven Johnson

Benefits

The new crossing prevents sedimentation problems, allows a seasonal stream to flow freely, provides a critical connection in a cross-district OHV trail, and is designed to accommodate trucks and other large equipment in future timber sales.

Keys to success

“The partnership we built was critical to our success. When the U.S. Fish and Wildlife Service got involved, we knew we’d be able to afford the appropriate structure to meet the needs of aquatic species as well as the Forest’s needs for the road.”

Type of agreement

8A Design/Build Agreement

Project costs and contributions

Total project cost: \$102,000

- U.S. Fish and Wildlife Service contributed \$55,000 to pay for three pre-fabricated bottomless box culverts
- Arizona State Parks contributed \$36,000 as part of an OHV grant, including \$6,000 to pay for the Forest to provide engineering and contract services, and \$30,000 for construction.
- Apache-Sitgreaves National Forest contributed \$11,000 from road improvement funds to complete the funding package and was responsible for engineering and design.

Estimated savings

By leveraging multiple funding sources, the Forest was able to accomplish a project that none of the partners could have done alone.

More information:

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Find this story and more at the Partnership Resource Center website: <http://www.partnershipresourcecenter.org/roads/success-stories.php>

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