State Route 86
SANTA ROSA PRE-CAST ARCH WILDLIFE UNDERPASS

• Half the underpass was installed in 4 hours on November 26, 2013, as part of an ongoing widening project; the other half will be installed after backfilling and paving, and excavation of the detour site (mid- to late-January 2014).

• Followed construction of a traffic detour, excavation, pouring of footers and foundation.

• Installation was done by Meadow Valley Construction, with assistance from Contech Engineered Solutions and ADOT Tucson Construction.

• The underpass was funded by the Pima County Regional Transportation Authority as part of a grant submitted by the Tohono O’odham Nation.

• The underpass lies within the Kitt Peak Wildlife Linkage, one of the highest priority linkages in the 2006 statewide Arizona’s Wildlife Linkage Assessment.
Original location of underpass with traffic detour construction underway at right
Original concrete box culvert at site, insufficient in size to accommodate large wildlife passage after extension with highway widening.
Traffic detour under construction to facilitate underpass construction
Completed traffic detour
Arch foundations being formed after footers poured
Completed foundations for arch
This underpass’s height (9 vs. 14 ft) is lower than the Kitt Peak underpass, but wider (32 vs. 36 ft) to provide enhanced perceived “openness” for approaching animals.