

Aliso Creek Restoration Feasibility Study – List of Project Elements (TSP – H&H)

Measure	Title	Descriptions
A	East bank access road construction	A permanent, paved access road will be constructed along the top of the east bank from the South OC Wastewater Authority (SOCWA) Coastal Treatment Plant (CTP) Bridge to Alicia Parkway near the Sulphur Creek confluence. The road will be for SOCWA use.
B	Repurposing of AWMA Road	The existing paved AWMA Road along west the bank from the SOCWA CTP Bridge to the Wood Canyon Creek confluence will be become a 12-foot wide paved trail for pedestrian, cyclist, and Park ranger use.
C	Reconnection of abandoned oxbow	An abandoned oxbow located between 4,830 feet to 6,230 feet upstream (u/s) of SOCWA CTP bridge will be reconnected to the active channel by realigning a current active stream line through the area based on the historical stream line location, to revitalize the future vegetation in the oxbow to its historic condition.
E	Wood Canyon Creek connection	This connection will provide aquatic wildlife access to the Wood Canyon Creek tributary. A section of the Wood Canyon Creek connection will be lined with riprap. A small bridge will span Wood Canyon Creek, replacing the culverts currently beneath AWMA Road.
G	Sulphur Creek connection	A short segment of Sulphur Creek between its confluence with Aliso Creek and the existing Reinforced Concrete Box (RCB) culvert beneath Alicia Parkway will be raised and lined with riprap to protect the existing steep banks. Screens will be placed on the upstream side of the RCB culvert to prevent the entry of exotic aquatic wildlife from upstream Sulphur Creek and reservoir.
H	Removal of two 10-foot-high vertical drop structures	The existing two 10-foot-high vertical drop structures in the vicinity of Aliso Creek Road Bridge will be removed and replaced with a series of riffle structures to provide aquatic wildlife connectivity.
I	Widening in the vicinity of the Aliso Creek Road Bridge	The east bank along 2,000-foot-long reach in the vicinity of Aliso Creek Road Bridge will be widened, using sheet pile wall. The widened area will be used as a riparian habitat corridor.
J	Re-contouring of the existing channel from 1,400 feet u/s of the Aliso Creek Road Bridge to Pacific Park Drive	The existing channel will be raised, re-contoured and widened to include 2-year floodplain terracing and a series of riffle structures. (These are similar to the improvements that will occur between SOCWA CTP and AWMA Road bridge).