Alternative	1 - Do Nothing	2 - Causeway and Natural Channel Evolution	3 - Channel Re-establishment and Sediment Management	4 - Floodplain Reconnection and Sediment Management
	Allow the channel to evolve without intervention	Construct a new elevated road profile between Cemetery Curve and the bridge	Remove sediment to restore channel capacity over 0.5-mile reach centered on the bridge	Remove portion of west bank levee to activate bypass and construct driveway bridge for landowner access
		Include sufficient openings to allow flow to the east and beneath the road	Re-align main channel farther from the road	Upgrade existing Green Valley Road culvert west of bridge to facilitate bypass outflows
Description		Construct channel to convey flow and provide fish passage back to Atascadero Creek	Re-activate historic side channel	Enlarge floodway and construct a new high flow channel on west bank and remove levee on east bank below bridge
		Construct new in-stream and off-channel habitat features in existing vineyard	Construct grade-control structure at upstream end of reach	Construct a new channel and remove sediment to increase channel capacity adjacent to the road
			Construct new in-stream habitat features in restored channel alignment	Construct new in-stream and off-channel habitat features in restored channel alignment
			Establish sediment management program above Cemetery Curve	Establish sediment management program at bypass head
Frequency and Stream Flow When Road Flooding Begins	Many times per year @ 290 cfs or less	~20% chance each year @ ~1,450 cfs	20% chance each year @ 1,450 cfs	~40% chance each year @ 1,175 cfs
	Potential for fish stranding in the vineyard	Reduced stranding potential	Reduced stranding potential	Reduced stranding potential
		Continued loss of summer stream flow due to depth of sand and gravel and dispersion of flow to multiple channels	Short-term negative impacts during construction and vegetation re-establishment over large area	Continued loss of summer stream flow due to depth of sand and gravel and dispersion of flow to multiple channels
Habitat Benefits/Impacts	Poor in-stream habitat in the vineyard channels during periods of flow into the vineyard	Increased off-channel habitat and improved instream habitat (assumes habitat restoration in existing vineyard)	Increased off-channel habitat and improved instream habitat (assumes habitat restoration in existing vineyard)	Short-term negative impacts during construction and vegetation re-establishment over smaller area
	Potential development of fish passage problems	Potential development of fish passage problems	Likely increase in summer stream flow	Increased off-channel habitat
	Increasing frequency and duration of road closures	Major reduction in frequency and duration of road closures	Major reduction in frequency and duration of road closures	Major reduction in frequency and duration of road closures
Landowner & Public Safety Benefits/Impacts	Increasing frequency and severity of vineyard impacts	Loss of farming potential for a large portion of vineyard	Major reduction in frequency and severity of vineyard impacts	Likely ongoing vineyard impacts
	Increasing risk to public safey	Major reduction in public safey risk	Major reduction in public safey risk	Major reduction in public safey risk
		Requires cooperation from vineyard landowner	Requires landowner cooperation from multiple landowners	Requires landowner cooperation from multiple landowners
Feasibility/Permitting	'	EIR probably required and significant permitting.	Requires annual permit for sediment removal	Requires annual permit for sediment removal
			EIR probably required and significant permitting.	EIR probably required and significant permitting.
	Increasing road maintainance costs	Acquisition of a large portion of the vineyard	Ongoing costs associated with sediment removal	Ongoing costs associated with sediment removal
	Increasing vineyard clean-up costs	Large road and causeway construction costs approx. \$1.2 to \$1.9 million including \$0.25 million for design and permitting Channel and off-channel habitat feature	Large sediment removal costs, grade control structure approx. \$1.0 million including \$0.25 million for design and permitting Channel and off-channel habitat feature	Bypass, culvert upgrade, levee removal and terrace construction costs \$0.9 to \$1.1 million including \$0.25 million for design and permitting Conservation easement for bypass on private
Costs	Increased future costs for mitigation	construction costs for 1900 feet of channel and 2.6 acres of riparian habitat	construction costs for 2750 feet of channel and 4.7 acres of riparian habitat	land and possibly compensation for loss of vinevard farming potential
	Potential cost of "take" and/or species rescue costs			
Uncertainty	Long-term uncertainty regarding fish passage to and from Upper Green Valley Creek	Long-term uncertainty regarding fish passage to and from Upper Green Valley Creek	Uncertainty regarding sediment management program cost and effectiveness	Uncertainty regarding sediment management program cost and effectiveness
	Long-term uncertainty regarding continuity of baseflows	Long-term uncertainty regarding channel behavior and flooding due to sedimentation processes		Long term uncertainty regarding channel behavior and flooding due to sedimentation processes
				Long-term uncertainty regarding fish passage to and from Upper Green Valley Creek