



## **Appendix G**

**Summary of Mitigation and  
Monitoring Commitments**

PROPOSED MITIGATION for SENSITIVE BIOLOGICAL RESOURCES on the SR 70 FREEWAY EXTENSION and OPHIR ROAD INTERCHANGE PROJECT					
11/03/05					
	Mitigation requirement			Mitigation location	Schedule
Fairy shrimp habitat (vernal pools)	Impact ha (ac)	Ratio ha (ac)	Total ha (ac)		
<b>1. Preservation</b>					
Direct impacts	1.36 (3.37)	3:1	4.08 (10.11)	3 options: Caltran's Neary parcel; local property under consideration for purchase of a CE; or purchase of credits at Loafer Creek Mitigation Bank	Prior to ground disturbance and/or start of construction of Phase 2, STIP project, #3A630
Indirect impacts	1.327 (3.28)	3:1	3.98 (9.84)	3 options: CT's Neary parcel; local property under consideration for purchase of a CE; or purchase of credits at Loafer Creek Mitigation Bank	
<b>2. Creation</b>					
Direct impacts	1.36 (3.37)	2:1	2.73 (6.74)	Offsite: RFP with BUT 70/149/191 Project; at another agency approved site; or by purchase of credits at Loafer Creek Mitigation Bank (when approved)	Prior to ground disturbance and/or start of construction of Phase 2, STIP #3A630
<b>Wetlands</b>					
Seasonal wetlands	0.06 (0.15)	1:1	0.06 (0.15)	Creation at Oroville Wildlife Area or at another agency approved site	Prior to ground disturbance and/or start of construction of Phase 1 Safety project (1E160) (RTL 06/01/07)
Marsh	0.23 (0.57)	1:1	0.23 (0.57)	Creation at Oroville Wildlife Area or at another agency approved site	
Drainages	0.11 (0.28)	1:1	0.11 (0.28)	Restoration at Oroville Wildlife Area or at another agency approved site	
Mixed riparian seasonal wetlands	0.15 (0.36)	1:1	0.15 (0.36)	Creation at Oroville Wildlife Area or at another agency approved site	
<b>Valley Elderberry Longhorn Beetle (VELB)</b>					
Direct impacts	5 shrubs	26 stems > 1"	58 seedlings	Twelve credits are being held at Wildlands Mitigation Bank	Prior to breaking ground for Phase 1, Safety Project #1E160

<b>Giant garter snake</b>					
Permanent upland impacts	0.11 ha (0.28 ac)	3:1	0.34 ha (0.84 ac)	Purchase credits from a Service-approved bank, such as Dolan Ranch Conservation Bank	Prior to breaking ground for Phase 1, Safety Project #1E160
Temporary upland impacts	0.64 ha (1.59 ac)	1:1	0.64 ha (1.59 ac)	Restore and monitor restored habitat	Within one year of completion of the Safety project #1E160
<b>Swainson's hawk</b>					
Foraging habitat	5.71 (14.1)	1:1	5.71 (14.1)	Purchase of Conservation Easement on local property under consideration (subject to agency approval) or at another agency-approved site	Prior to breaking ground for Phase 1, Safety Project #1E160
<b>Blue oak woodland</b>					
Permanent impacts	2.14 (5.30ac)	Creation at 1:1 Preservation at 3:1	2.14 (5.30 ac)	Offsite: preservation at 3:1 or creation at 1:1(100 trees/ac) at Oroville Wildlife Area or another Dept. of Fish and Game approved site (Sen. Res. 17)	Prior to breaking ground for Phase 1, Safety Project #1E160
<b>Valley oaks, interior live oaks</b>					
	14 valley 5 live oaks	1 tree/1 inch diameter DBH	192 trees 96 trees	Creation at Oroville Wildlife Area or another approved site, or by contribution to the Wildlife Conservation Board Oak Mitigation Account	Prior to breaking ground for Phase 1, Safety Project #1E160
<b>Riparian</b>					
Tailings Creek	0.15 (0.36)	1:1	0.15 (0.36)	Plantings at Oroville Wildlife Area or at another DFG-approved site	Prior to breaking ground for Phase 1, Safety Project #1E160
Manmade ditch	0.21 (0.51)	1:1	0.21 (0.51)	Onsite at relocated ditch	Revegetation to occur after completion of relocation of ditch and placement of sewer line