CU - STREAM CROSSING UPGRADE

PRE-TREATMENT page ___ of ___

Contract #: **Contract name:**

Stream/Road: **Date (mm/dd/yy):** **Evaluator:**

	Project Feature Number			
	Proposed Feature Type Code			
Stream Crossing	1. Is there currently a stream crossing at the treatment site?			
	a. Crossing type: AFD, AFW, ARZ, BAC, BRI, CUL, HUM, UAF, OTH			
	b. Structure condition: Excl, Good, Fair, Poor, Fail			
	c. Problems: ALN, APP, COR, CRS, INL, LNG, OTL, OVT, PIP, PLG, NTG, SLA, UNS, WSH, NON, OTH			
	2. Is installing a new crossing or upgrading an existing crossing a goal?			
	3. Is the stream crossing "storm-proofed" (yes to all applicable sub-questions)?			
	a. Is the crossing designed to pass at least a 100-yr flow?			
	b. If an undersized culvert in deep fill, is there an overflow culvert?			
	c. Is the crossing constructed or treated to eliminate diversion potential?			
	d. Does the crossing inlet have a low plug potential?			
	e. Is the crossing outlet protected from erosion?			
	f. Are the culvert inlet, outlet, and bottom open and in sound condition?			
	g. If a bridge, are bridge abutments stable and not restricting flow?			
	h. Is the crossing fill stable?			
	i. Are road surfaces/ditches disconnected to the greatest extent possible?			
	j. Length of road surface or ditch draining to this crossing: (ft)			
	k. If a class I stream, does crossing meet DFG/NMFS fish passage criteria?			
	4. Is "storm-proofing" the crossing a goal of the upgrade?			
Sediment Delivery	5. Has there been sediment delivery from the crossing in the last 10 years?			
	a. Sediment sources: SFE, FLS, LAN, CUT, SBL, NRL, EFL, SCW, DIV, RRG, NRG, SBE, OTH			
	b. Estimate total past delivery: (cy/10 yr)			
	6. Is there potential for sediment delivery from the crossing in the next 10 yrs?			
	a. Erosion potential: LOW, MOD/LOW, MOD, MOD/HIG, or HIG			
	b. Minimum future delivery volume or "sediment savings": (cy/10 yr)			
	7. Is decreasing potential for future sediment delivery a goal?			
Channel	8. Is there localized channel aggradation upstream of the crossing?			
	9. Is there localized channel incision or scour downstream of the crossing?			
	10. Are there other channel problems in the vicinity of the crossing?			
	11. Is correcting or stabilizing localized channel problems a goal?			
Banks	12. Is there streambank erosion or instability in the vicinity of the crossing?			
	a. Locations: UPS, DNS, WIN and LBK, RBK			
	b. Apparent cause: BAR, CNR, EMG, GRZ, HYD, UND, USG, OTH			
	13. Is stabilizing the streambank and/or reducing bank erosion a goal?			
Comments				

Y=Yes, **N**=No, **P**=Partially, **D**=Don't know, **A**=Not Applicable. CRMEP June 2006 Draft