RU - ROAD SEGMENT UPGRADING

POST-TREATMENT page ____ of ____

Contract #: Contract name:

Stre	eam/Road: Date (mm/dd/yy): Evalu	ıator:
	Feature # or Road Name	e
	Proposed Feature Type Code	
ade	1. Length of road to be upgraded: (ft)	Keep track of delivery volumes as you move
Upgrade	2. Number of stream crossings to be decommissioned along segment:	along the road to help
$\mathbf{U}_{ m j}$	3. Road segment physical condition: Excl, Good, Fair, Poor, Fail	estimate the total.
Sediment Delivery	4. Has there been sediment delivery from the road segment in the last 10 years?	
	a. Sediment sources: SFE, FLS, LAN, CUT, NRL, EFL, DIV, RRG, NRG, OTH	Past (3b) Future (4b)
	b. Estimate total past delivery: (cy/10 yr)	Mass wasting volume
	5. Is there potential for sediment delivery from the road in the next 10 years?	
	a. Erosion potential: LOW, MOD/LOW, MOD, MOD/HIG, or HIG	<u> </u>
	b. Minimum future delivery volume or "sediment savings": (cy/10 yr)	<u> </u>
	6. Is decreasing potential for future sediment delivery a goal?	
	7. Estimate pre-treatment percent connectivity: (%)	Fluvial erosion volume
	8. Is decreasing percent connectivity a goal of the upgrade?	<u> </u>
	a. Targeted percent connectivity: (%)	<u> </u>
	9. Is dewatering existing gullies and active or potential landslides a goal?*	<u> </u>
	10. Is excavating fill slopes, landings and side cast a goal?	
ige	11. Does road/spring drainage disperse into the correct channel or watershed?	[(Sum the lengths of
	12. Is returning road/spring drainage to the correct channel or watershed a goal?	ditch/road surface draining to each
	13. Is reducing fine grain sediment delivery by reducing bare soil area a goal?	crossing - CU question
	14. Is minimizing fine sediment delivery by seasonally closing the road a goal?	3i) / (total length of
	15. Road surfaces: DRT, ROC, PAV, OTH	road)] x 100 = percent
	16. Is reducing the road surface erosion rate by resurfacing a goal?	connectivity
	17. Road surface shapes: CRN, FLT, INS, OUT, TCU, OTH	
	18. Is dispersing road runoff by changing the road surface shape a goal?	
aina	19. If there is a ditch, does any portion of it need cleaning or improvement?	
Road Drainage	20. Is improving road drainage by cleaning or adding a ditch a goal?	
	21. Are berms interfering with the intended road drainage pattern?	
	22. Is restoring the intended drainage pattern by removing/breaching berms a goal?	<u>' </u>
	23. Existing road drainage structures: DRC, RLD, NON, OTH	<u> </u>
	a. Are there gullies or hill slope instability at drainage outlets?	<u> </u>
	b. Are structures frequent enough to prevent erosion from concentrated runoff?	
	c. Do structures drain so that sediment is not delivered to a stream?	
	d. Do rolling dips drain the road surface without affecting road use?	<u></u>
	e. Problems: ALN, APP, COR, CRS, NTG, OVT, PLG, UNS, WSH, OTH	Surface Erosion Discharge
	24. Is reducing connectivity by adding or upgrading drainage structures a goal?	$Qs = [(A \times E)/27] \times T \times D$
Comments		Qs = sediment delivery (yds ³) from surface erosion
		$A = exposed area (ft^2)$
		T = time (years)
C_{01}		E = erosion rate (ft/yr)
		D = delivery ratio (% of erosion delivered to stream).
	* Use EC checklist for other landslide/gully treatments. Y=Yes, N=No, P=Partially, D=Don't know, A=Not	Applicable, CRMEP June 2006 Draft