Appendix D

Road Obliteration

Road obliteration practices vary according to LTA, proximity to fish bearing streams and erosion history. Most roads require combinations of practices to address original road construction practices and terrain variations unique to each road. The following describes the practices associated with the four road obliteration levels.

Level 1 Obliteration (Oblit I): Roads were typically constructed with shallow culverts, few/no large road fills, on gentle terrain intersecting few/no live water stream crossings. Practices to obliterate and close these roads include: 1) road surface decompaction or scarification; 2) removal of all culverts; 3) minor outsloping and cross draining; 4) full recontour or earth barrier construction at road origin (sufficient to prevent motorized access); and 5) revegetation of disturbed soils using native planting in combination with mulches and some fertilizer application. Estimated costs range from $2000 to $6000 per mile.

Level 2 Obliteration (Oblit II): Roads were typically constructed with a combination of shallow and deeper culverts, larger road fills, on moderate terrain intersecting some live water stream crossings. These roads may also have small bogs or seeps that may threaten fill slope stability. Practices to obliterate and close these roads include all practices described for Level 1 obliteration, plus: 1) removing fills at risk of failure; and 2) obvious or frequent outsloping and cross draining. Estimated costs range from $5000 to $10,000 per mile.

Level 3 Obliteration (Oblit III): Roads were typically constructed with numerous deep culverts, larger road fills, on steep terrain intersecting many water stream crossings. These roads often have small bogs or seeps that threaten fill slope stability. Practices to obliterate and close these roads include all practices described for Levels 1 & 2 obliteration, plus: 1) removal of all deep culverts; and 2) fill removal and slope restoration, to as near to natural contour as feasible, on all slopes at risk. Estimated costs range from $8000 to $13,000 per mile.

Level 4 Obliteration (Oblit IV): Conditions of construction vary widely for these roads. They may occur on extremely steep terrain with numerous, deep culverts. They may also occur within riparian habitats and 300 feet of fish bearing streams. These roads represent direct and often chronic risk of degrading fish habitat and water quality. The only practice appropriate to these roads is complete fill removal and slope restoration (to as near to natural contour as feasible). Estimated costs range from $10,000 to $15,000 per mile.

Long-term Maintenance (LTM): Also referred to Long-term Maintenance Intermittent Use (LTIU), practices on these roads are intended to assure that the road will not contribute sediment to live streams from either debris torrents, landslides, or culvert plugging. Specific practices may include and combination of culvert removal, additional

cross-drainage and minor road fill removal. These roads will be retained on the transportation system. They will, however, be closed to highway vehicles and may/may not be closed to motorcycles and OHVs. Estimated costs to place a road into long-term maintenance range from $2000 to $6000 per mile.

The following tables identify those roads within the NLF that have been selected for either obliteration or to be placed into long term maintenance. The reader should refer to the following key for definitions to abbreviations used in the tables:

Road Class & Surface:

C = Collector
L = Local
G = Gravel (rock aggregate)
N = Native earth (dirt)

Watershed Concern:

MF = Mass Failure (landslide) prone locations {steep slopes);
SE = Surface Erosion potential from running surface, ditches and cutslopes {all terrain types where native soil is unprotected by vegetation or rock};

Fish Concern:

C1 = Road location intersects or is within 300' of a fish bearing (Class I) stream;
C2 = Road location intersects or is within 150' of a perennial, non-fish bearing (Class II) stream;

Table D-1: Proposed Road Obliteration and LTM, Pete King Area

Road	Length (mi)	Class	Surface	LTA	Watershed Concern	Fish Concern	Planned Action	Comments
417B	0.5	L	N	63	MF	C2	Oblit III	West Fork Pete King Creek; south of Sebring Flat. Per 12/17/98 IDT mtg, it was determined to field verify to determine if Rd 417 should be obliterated (instead of Rd 417B).
418B	0.9	L	N	83A	SE	C2	Oblit II	North of Smith Saddle
418C	2.4	L	N	84A	SE	C1/C2	Oblit II	Obliterate MP 0.7 - 2.4. Upper West Fork Pete King
453	0.6	L	N	10A/24A		C1	LTM/Oblit III	LTM MP 3.6 - 4.0 Obliterate MP 4.0 - 4.6; parallels & crosses mainstem Pete King Creek
514F	0.3	L	N	81A	SE		Oblit I	
4905	0.5	L	N	84A	SE		Oblit I	
5506A	1.5	L	N	84A	SE	C2	Oblit II	Ice Creek
5506G	0.53	L	N	23B	MF		Oblit III	Polar Creek
5507A	0.5	L	N	84A	SE	C2	Oblit II	
5512A	1.0	L	N	63	MF/SE	C2	Oblit III	West of Jungle Point Rock Pit
5515	0.7	C L	G N	23A	MF/SE		Abandon Road	Abandon MP 9.4 - 10.1; convert to trail; above Flemming Hwy Shop
5515D	0.82	L	G N	83A	SE	C2	Oblit II	Obliterate MP 0.3 - 0.8
5515H	0.22	L	N	83A	SE	C2	Oblit II	On PK side of ridge Bridge Creek divide

Road	Length (mi)	Class	Surface	LTA	Watershed Concern	Fish Concern	Planned Action	Comments
5517	1.8	L	N	63/83A/ 84A	MF/SE/CS	C1/C2	LTM Oblit II-IV	LTM MP 0.0 - 1.5 Obliterate MP 1.5 - 3.3
75125	0.4	L	N	63	SE		Oblit II	North of Fog Saddle, WF Pete King
75131	0.4	L	N	63	SE	C2	Oblit II -III	South side WF Pete King below Rd 5515
75132	0.3	L	N	63	MF/SE	C2	Oblit II -III	South side WF Pete King below Rd 5515
75133	0.3	L	N	63	SE	C2	Oblit II -III	South side WF Pete King below Rd 5515
75135	0.3	L	N	63	SE	C2	Oblit II -III	South side WF Pete King below Rd 5515
75136	1.2	L	N	63	SE	C2	Oblit II -III	South side WF Pete King above Rd 5515
75138	1.1	L	N	83A	SE	C2	Oblit II	South side WF Pete King below Rd 5515
75140	0.8	L	N	83A	SE	C2	Oblit II	North of Jungle Point & Rd 101
75141	0.3	L	N	84A	SE	C1/C2	Oblit II	Obliterate MP 0.3 - 0.5; north of Jungle Point & Rd 101
75147	0.5	L	N	83A	SE		Oblit I	Jungle Point Ridge south of Rd 101
75148	0.5	L	N	63	MF/SE	C1	Oblit IV	Jungle Point Ridge south of Rd 101
75155	0.3	L	N	63	SE	C2	Oblit II	South side WF Pete King above Rd 5515
75158	2.0	L	N	63	MF/SE	C2	Oblit III	Abandon as a road and convert to trail. Jct w/ lower Pete King Rd at Nut Creek
75199	0.5	L	N	84A	SE	C2	Oblit II	West side of Ice Creek
75200	0.6	L	N	84A	SE	C2	Oblit II	Upper Ice Creek
75203	0.5	L	N	84A	SE	C2	Oblit II	Upper Ice Creek
75204	0.3	L	N	84A	SE	C2	Oblit II	Upper Ice Creek
75206	0.5	L	N	84A	SE	C2	Oblit II	
75207	0.7	L	N	84A	SE	C2	Oblit II	
75208	0.5	I	N	23B	MF/SE	C2	Oblit III	East Polar Creek below Rd 101
75303	1.0	L	N	83A	SE	C2	Oblit II	North of Smith Saddle, WF Pete King
75305	1.7	L	N	83A/63	MF/SE	C2	Oblit III	MF of WF Pete King
75308	0.9	L	N	83A	SE		Oblit I	Upper MF of WF Pete King, adjacent to Rd 455
75311	0.6	L	N	83A	SE	C1/C2	Oblit II	Upper WF Pete King Creek
75324	0.65	L	N	84A	SE	C2	LTM Oblit II	Obliterate MP 0.6 - 1.25. Prior to obliteration, need to address use of planned obliteration route to accomodate as probable stock driveway within Yakus Pasture, Eldorado Canyon Allotment.
75325	0.3	L	N	84A	SE		Oblit I	Upper WF Pete King Creek
75332	0.5	L	N	83A	SE	C2	Oblit II	Upper WF Pete King Creek
75335	1.0	L	N	83A	MF/SE	C1/C2	Oblit II	Upper WF Pete King Creek
1T	1.0	L	N	61	SE		LTM/Oblit III	Obliterate MP 0.3 - 1.3; Upper SF Cabin Creek
3T	0.5	L	N	23B	SE	C2	Oblit II	Upper Polar Creek
4T	0.7	L	N	84A	SE	C2	Oblit II	Upper Polar Creek
6T	0.3	L	N	61	MF/SE		LTM/Oblit III	Obliterate MP 1.0 - 1.3; east side of Walde Creek.
8T	0.8	L	N	61	MF/SE		Oblit IIi	MF WF Pete King Cr eek
10T	0.3	L	N	84A	SE		Oblit I	West side of Ice Creek
12T	0.1	L	N	81A	SE		Oblit I	Upper east side Placer Creek
18T	0.2	L	N	83A	SE		Oblit I	
29T	0.3	L	N	63	SE		Oblit II	East side Walde Creek
30T	1.0	L	N	81A	SE		Oblit I	Due south of Walde Lookout
31T	0.3	L	N	83A	SE		Oblit I	North of Boogie Woogie Rock and Rd
33T	0.2	L	N	63	SE		Oblit III	On PK side of ridge Bridge Creek divid

Road	Length (mi)	Class	Surface	LTA	Watershed Concern	Fish Concern	Planned Action	Comments
36	0.3	L	N	83A	SE		Oblit I	MF WF Pete King
37	0.3	L	N	83A	SE		Oblit I	MF WF Pete King
38	0.3	L	N	83A	SE	C2	Oblit II	WF Pete King
39	0.5	L	N	83A	SE	C2	Oblit II	WF Pete King
40	0.3	L	N	83A	SE	C2	Oblit II	WF Pete King
41	0.3	L	N	81A	SE	C2	Oblit II	Upper Walde Creek, immediately west Walde LO
42	0.4	L	N	81A	SE	C2	Oblit II	Upper Walde Creek, immediately west Walde LO
43	0.6	L	N	83A	SE	C2	Oblit II	WF Pete King
44	0.3	L	N	83A	SE	C2	Oblit II	WF Pete King, immediately east of Wo Mtn
46	0.2	L	N	84A	SE	C2	Oblit II	Upper Polar Creek
47	0.3	L	N	63	SE		Oblit III	Ice Creek/Walde Creek divide
48	0.6	L	N	63	SE		Oblit III	Ice Creek/Walde Creek divide
50	0.4	L	N	84A	SE		Oblit I	Upper Polar Creek
51	0.8	L	N	23A	SE		Oblit II	Several skid road tribs to Rd 5506E, upper Polar Creek
52	0.1	L	N	83A	SE	C2	Oblit II	MF WF Pete King
53	0.1	L	N	83A	SE	C2	Oblit II	MF WF Pete King
54	0.1	L	N	83A	SE		Oblit I	MF WF Pete King
73	0.2	L	N	23A	SE		Oblit III	Above Flemming Highway Shop
75	0.1	L	N	84A	SE		Oblit I	Upper Polar Creek
76	0.1	L	N	23E	MF		Oblit III	Upper Polar Creek
83	0.4	L	N	81A	SE	C2	Oblit II	Upper Nut Creek
96	0.3	L	N	84A	SE		Oblit I	Old fireline; West Fork Polar Creek
97	0.4	L	N	81A	SE	C2	Oblit II	Upper Walde Creek, immediately west Walde LO

Table D-2: Proposed Road Obliteration and LTM, Canyon/Deadman Area

Road	Length (mi)	Class	Surface	LTA	Water-shed Concern	Fish Concern	Planned Action	Comments
445	6.1	C	G	61	MF	C1/C2	Oblit IV	Obliterate MP 2.8 - 3.7. Parallels mainstem of Canyon Cr. Chronic history of MF.
445A	0.5	L	N	61	MF	C1	LTM/Oblit IV	LTM MP 0.0 - 0.5; obliterate MP 0.5 - 1.0
445C	0.8	L	N	61	MF		Oblit III	Middle Canyon Creek
486B	1.0	L	N	81A	SE		LTM Oblit I	LTM - MP 0.0 - 0.9; Obliterate - MP 0.9 - 1.9; South Fork Cabin Creek watershed
486C	0.5	L	N	81A	SE		LTM Oblit I	LTM - MP 0.0 - 0.5; Obliterate - MP 0.5 - 1.0; South Fork Cabin Creek watershed
5544L	0.4	L	N	61	MF/SE		Oblit III	West Deadman Creek
5552	1.0	L	N	81A	SE	C1/C2	LTM Oblit II - III	LTM MP 0.0 - 1.3; obliterate MP 1.3 - 2.3MF Canyon Creek
5560A	0.3	L	N	81A	SE	C2	LTM/Oblit II	Obliterate MP 0.5 - 0.8; MF Canyon Creek
75223	2.2	L	N	61	MF/SE	C2	Oblit III	Upper west side of Canyon Creek
75228	3.3	L	N	61/81A	MF/SE	C1/C2	Oblit III	MF upper Canyon Creek
25T	0.4	L	N	81A	SE		Oblit I	Lower west side Canyon Creek
26T	0.4	L	N	81A	SE		Oblit I	Lower west side Canyon Creek
27T	0.2	L	N	21B	MF/SE		Oblit II - III	Lower west side Canyon Creek
28T E	0.1	L	N	81A	SE		Oblit I	Lower west side Canyon Creek
5T	0.5	L	N	61	SE		Oblit II	Upper SF Cabin Creek
59T	0.2	L	N	81A	SE	C2	Oblit II	Mystery Creek
60T	0.2	L	N	81A	SE		Oblit I	Mystery Creek
62T	0.3	L	N	81B	SE		Oblit I	Skid trails in upper west Canyon Creek
64T	0.5	L	N	81B	SE		Oblit I	Upper east Canyon Creek
65T	0.3	L	N	81B	SE		Oblit I	Upper east Canyon Creek
67T	0.1	L	N	81B	SE		Oblit I	Upper east Canyon Creek
68T	0.1	L	N	81B	SE		Oblit I	Upper west Deadman
70T	0.2	L	N	81B	SE		Oblit I	Upper west Deadman
71T	0.2	L	N	81B	SE	C2	Oblit II	Upper west Deadman
72T	0.1	L	N	81B	SE		Oblit I	Upper west Deadman
80T	0.1	L	N	81A	SE		Oblit I	West side of Middle Canyon Creek
82T	0.1	L	N	81A	SE		Oblit I	Mid-west Canyon Creek
84T	0.2	L	N	81A	SE	C2	Oblit II	Mystery Creek
85T	0.2	L	N	81B	SE		Oblit I	Upper East Canyon Creek
86T	0.1	L	N	81B	SE		Oblit I	Upper East Canyon Creek
87T	0.2	L	N	61	SE		Oblit III	Upper West Deadman
88T	0.1	L	N	61	SE		Oblit III	Upper West Deadman
92T	0.2	L	N	81A	SE		Oblit I	West Deadman Creek
93T	0.1	L	N	81A	SE		Oblit I	West Deadman Creek
94T	0.1	L	N	81B	SE		Oblit I	Upper Middle Deadman
95T	0.1	L	N	81B	SE		Oblit I	Upper Middle Deadman
75286	0.6	L	N	81A	SE		Oblit I	Upper east side of Canyon Creek
	13.1							

Table D-3: Proposed Road Obliteration and LTM, Fish Creek Area

Road	Length (mi)	Class	Surface	LTA	Watershed Concern	Fish Concern	Planned Action	Comments
75280	1.0	L	N	81B	SE	C1/C2	Oblit II	Upper Frenchman Creek
75281	0.4	L	N	81B	SE	C1/C2	Oblit II	Upper Frenchman Creek
75282	0.5	L	N	81B	SE	C2	Oblit II	Upper Frenchman Creek
24T	0.4	L	N	81B	SE		Oblit I	Upper French Creek/Canyon/Deadman divide
75237	0.9	L	N	81A	SE		Oblit I	Obliterate MP 0.2 to 0.9; upper east side of Canyon Creek;
	3.2							

Table D-4: Proposed Road Obliteration and LTM - "Face" Area

Road	Length (mi)	Class	Surface	LTA	Watershed Concern	Fish Concern	Planned Action	Comments
89T	0.3	L	N	81B	SE	C2	Oblit II	Upper Glade Creek
90T	0.1	L	N	81A	SE		Oblit I	Middle Glade Creek
75260	0.6	L	N	81B	SE	C2	LTM Oblit II	Obliterate MP 0.7 - 1.3; upper east side of Glade Creek
75262	0.7	L	N	81B	SE	C1	Oblit II	Upper east side of Glade Creek
75264	0.6	L	N	81B	SE	C2	Oblit II	Upper east side of Glade Creek
75265	1.1	L	N	81B	SE	C1/C2	Oblit II	Upper east side of Glade Creek
75266	0.2	L	N	81B	SE	C2	Oblit II	Upper east side of Glade Creek
75267	1.0	L	N	81B	SE	C2	Oblit II	Upper east side of Glade Creek
75268	0.4	L	N	81B	SE	C1/C2	LTM Oblit II	Obliterate MP 1.4 - 1.8; upper east side of Glade Creek
75269	0.4	L	N	81B	SE		Oblit I	Upper east side of Glade Creek
75271	0.3	L	N	81B	SE		Oblit I	Upper east side of Glade Creek
21T	0.2	L	N	71C	SE		Oblit I	Middle Butte
22T	0.2	L	N	81A	SE		Oblit I	Middle Butte
91T	0.2	L	N	81A	SE		Oblit I	
	6.3							