

Road Name	new const	reconst	reopen	total ft	Subdivision	Travel Way	Rock Depth	CY Rock	Culverts	
T1			1450	1450	32 A,B,C	12	12	752	3	18"
T2			816	816	32A	12	12	423		
T3	1083			1083	17B	12	12	562	1	18"
T4			524	524	17B	12	6	126		
T5			777	777	17B	12	6	187		
T6	632			632	24	12	12	328		
T7			1238	1238	26A,B	12	12	642		add first 200' as crushed
T7			1290	1290	26A,B	12	6	311		
T8			2276	2276	27	12	12	1180		add first 200' as crushed
T9			485	485	27	12	12	251		
T10	610			610	27	12	12	316		
T11			1212	1212	19B	12	6	292	2	18"
T12			2098	2098	18	12	12	1088		add first 200' as crushed
T13	312			312	17B	12	12	162	1	18"
T14			250	250	14	12	12	40		
T15			179	179	14	12	6	43		
	2637	0	12595	15232				Totals = 6702	7	
								1000		safety spurs and heli landings
Miles	0.50	0.00	2.39	2.88				Total = 7702		

Average Rock Haul for pit run one way is 13.0 miles (Bonidu Pit 2900950 road)
 Average Rock Haul for crushed one way is 0 miles, na

New construction - as shown in above table. Use cost of \$45,000/mi from past district experience.

Reconstruction of existing grade includes some removal of timber , debris removal, drainage restoration, culvert placement, blading and shaping. Rock as shown in above table. Use cost of 70 % of new const

Reopening of existing grade includes some removal of brush, debris removal, drainage restoration, pit run and/or crushed rock placement as shown in above table, blading and shaping Use cost of 50 % of new const

Clearing limits will not exceed 16 feet unless otherwise designated.

New construction temp 0.5 miles				Estimated CY of Rock Needed			
0.5 miles X \$	45,000	\$22,500		Temp. roads Pit Run	Crushed		
crushed x \$	0	\$0.00		All	6702	359	
Reconstruction of temp rd 0.00miles				other	1000		safety spurs and heli landings
0 miles x \$	31,500	\$0		Total	7702		
Reopening of temp rd 2.39 miles							
2.39 miles x \$	22,500	\$53,775		Culverts	\$450/culvert	18"	<u>24"</u>
						\$3,150.00	<u>36"</u>
Total =		\$76,275		7 culverts may be needed as relief culverts (18") Placement of the culverts will be determined as described in Sensitive Construction of temp roads (C5.1, Option 1)			

Rock Haul

	yards	loads	\$/load	Cost
Pit Run	6,702	670	\$205.00	\$137,391.00
safety spurs and heli landings Pit Run	1,000	100	\$205.00	\$20,500.00
Crushed	359	36	\$400.00	\$14,360.00
Total				\$172,251.00

\$/load = 26 miles RTrip, 18.8 @ 20 mph, 7.2 @ 40 mph = 67 min RTrip
 round to 75 minutes
 1 load every 1.25 hours
 dump + excavator (half time) = \$164/hr
 \$164 x 1.25 hours = \$205/load

Close Temp Roads - includes culvert removal, barrier placement, scarification for rehab, ~14inches. Seeding and fert is included in the erosion control appraisal:

Approximately 1000 feet per day estimated.

Allow 16 days to use shovel to close roads at \$1500/day includes pr and r etc

\$24,000

total \$275,676.00

cost per CCI **\$13.07**

Erosion Control - KOCC 21099 CCF

		# Landing	Acres	
Ground based acres	58.9	5	1.25	
Skyline acres	272.2	158	39.5	40.75 ac
Helicopter acres	0	0	0	

ground landings are also shared with cable and counted as cable

Skid Roads; ground based expect up to 15% of the acreage to be disturbed . Approximately 10% of this acreage will require

seed and fert...	0.15	57.9	0.1	0.9	ac
Length	Width	Sq FT/ Ac			
Temp Roads:	9858	14	43560	0.1	
				0.3	ac

use 10% of length

Total ac 41.9 seed and fert ac

use 10% of length

Seed and fertilize: one person can seed and fert 2.2 ac/day;

Acres	Ac/Day	Days	\$/Day	
41.9	2.2	19	150	\$2,856.82 labor

materials and equipment; 41.9 ac x \$175/ ac =

Ac	\$/Ac	
41.9	175	\$7,332.50 materials and equipment seed and fert

scarify skid roads: district experience on recent sales shows scarification cost to be \$100/ac over entire sale acreage

Ac	\$/Ac	
57.9	100	\$5,790.00 scarification

Total \$15,979.32

21% overhead: 1.21 \$15,979.32 \$19,334.98

Cost/ CCF \$0.92

USDA - FOREST SERVICE
Stewardship: N

REPORT OF TIMBER SALE
APPRAISAL SUMMARY CCF

R6-FS-2400-17 (04/10)
Version 1421 (TEA 06-14)

Region: 06
Forest: 09 Olympic
District: 05 Soleduck
Salvage: N

Sale Name: KOCC
Sale Number: 95410
Appraise to: Beaver
Appraiser: McNealy

Appraisal Date: 06/30/14
Base Period Ending: 03/31/14
Competition Factor: 20%
Essential KV Cost: 0

SELLING PRICES	1	2	3	4	5	6	7	Average	Total
1. Species	D-fir	W Hem	Alder						
2. Species Code	205	263	350						
3. Product/Unit	01-03	01-03	01-03						
4. Volume	6,688	13,185	1,226						21,099
5. Base Period Price	110.68	30.11	65.13					57.68	
6. Base Period Index	234.55	200.53	88.40					204.80	
7. Current Index	221.64	199.72	88.40					200.20	
8. Rapid Market Adj	10.40							3.30	
9. Market Adj BP Price	108.17	29.30	65.13					56.38	
10. Unusual Adjustment	10.00	10.00	10.00					10.00	
11. GBCv-Nonsaw Adj									
12. Product Quality Adj	4.97	6.12	-15.00					4.53	
13. Adj Base Period Price	123.14	45.42	60.13					70.91	1,496,142.40

COSTS	Zone Avg Cost/UM	Est Sale Cost/UM	Adj to BP Cost	ROADS	Km	Miles	Cost
14. Stump to Truck	116.53	207.54	-91.01	Specified Road Con			
15. Haul/Scale	30.71	23.43	7.28	Specified Road Rec	1.19	.74	88,329
16. Road Maintenance	10.87	12.64	-1.77	Temporary Road Con	4.64	2.88	275,676
17. Contract	6.28	3.32	2.96	Haul Miles		20	
18. Development & Other	5.77	16.40	-10.63				
19. Road Const & Recon		4.19	-4.19				
20. Total (lines 14-19)	170.16	267.52	-97.36	DEPOSITS:	Br Disp/UM 1.52	Rd Mtc/UM 6.34	C(T) 5.213#

ADVERTISED RATES	1	2	3	4	5	6	7	Average	Total
21. Predicted Bid Rate	25.78	-51.94	-37.23					-26.45	-558,056.24
22. Competition Adjustment	5.16	-10.39	-7.45					-5.29	-111,615.77
23. Property Value									
24. Indicated Adv Rate	20.62	-41.55	-29.78					-21.16	-446,440.47
25. Base Rate	3.00	3.00	1.00					2.88	60,845.00
26. Adjustment	-17.62	44.55	30.78					24.04	507,285.47
27. Advertised Rate	3.00	3.00	1.00					2.88	60,845.00

CCF to MBF Rate Factors: 1.8871 1.8753 2.0231 1.8870
 CCF to MBF Volume Factors: .5299 .5333 .4943 .5299
 MBF to CCF Index Factors: .52 .52 .52
 CCF Base Index for A(T)5a:
 CCF Wtd Avg Del Log Price: 351.30 317.00 355.97
 MBF Volume: 3,544 7,031 606 11,181
 Total Tons Removed: 19,611 42,649 3,862 66,122
 Net CCF to Tons Conversion Factor for C8.3#(Option 1) or K-I.3.1#: 3.1339 DEPOSITS/Ton BD: .49 RM: 2.02