PROPOSED COSTS FOR 3 YEAR REVITILIZATION PROGRAM

ACTIVITY	TOTAL BUDGET	2006	2007	2008
Brushing	$0	$0	$0	$0
Screenings	$ 2,800.00	Journey's End Trail to Honey Tree Lane $ 800.00	Journey's End Trail from Honey Tree to the turn around $ 1,200.00	Honey Tree Lane and Point Trail $ 800.00
Ditching	$ 8,455.72	Journey's End Trail to Honey Tree Lane $ 3,603.80	Journey's End Trail from Honey Tree to the turn around $ 1,890.00	Honey Tree Lane and Point Trail $ 2,961.92
Culverts	$ 7,227.00	Journey's End Trail to Honey tree lane $ 3,000.00	Journey's End Trail from Honey Tree to the turn around $ 1,400.00	Honey Tree Lane and Point Trail $ 2,827.00
Gravel	$14,269.50	Journey's end Trail to Honey Tree Lane $ 3,700.00	Journey's End Trail from Honey Tree to the turn around $ 7,399.00	Honey Tree Lane and Point Trail $ 3,170.50
TOTAL COST	$32,752.22	$11,103.80	$11889.00	$ 9,759.42

APPENDIX "A"

JOURNEY'S END TRAIL 2.1 KM

End of road 1451 1st picture brushing to 1426 196 both sides

1402 –1390 gravel screening 200'

1390 –1382 ditching right hand side 125'

1354 bottom of hill build up and replace culvert 1354 to 1342 ditch where possible 141'

1368 past 1364 ditching. Driveway culvert required. 2nd picture

1364 ditching to 1358 64'

1358 culvert in driveway to 1354 to cross culvert 3rd picture

1354 replace road culvert

1342 – 1354 ditch/screen of hill 141'

1320 – 1342 ditching 210'

1308 – 1316 screening 68'

1308 – 123 reditch picture 280'

Before 1283 ponding build up road

1276 – 1274 slash run
Right hand side ditching. From 1276 – 1268 to cross culvert toO small replace with 15' arched culvert 142'

1242 ditching 200' past 1242 4th picture

1230 reditch north side to cross culvert additional cross culvert required 5th picture

1230 to Honey Tree Dr. ditch south side 55'

2 pictures (6th and 7th) gravel/ditching. Both sides. South of Point Tr. New cross culvert needed at intersection north to south (800' both sides)

Ditching north side to culvert at 1100, culvert needs to be lowered 8th picture

1092 cross culvert too small 10" Replace 9th picture

10" cross culvert to be replaced/ditching 2100' south side 100' 10th picture

15" cross culvert (end crushed) 11th picture

Past 1052/1054 to cross culvert 340 (screening) 12th picture

POINT TRAIL .2 km

Ditching right hand side to creek 340' 13th picture

Replace cross culvert 20" at creek bottom rusted. Before 1028 14th picture

Hill south of 1018 screening 250' 15th picture

HONEY TREE LANE .2 km

Ditching 150 1st hill 16th picture

New cross culvert 12" north to south before 1017 – 1019 17th picture

1019 to 1023 ditching (right side) 350' 19th picture

New cross culvert required from opposite side to 1033

1033 – 1045 new cross culvert required 18th picture

ROAD MANAGEMENT STUDY

In July, 2005 a physical appraisal was undertaken on Journey's End Trail 2.1km, Point trail .2 km and Honey Tree Lane .2 km for use in the preparation of a five-year road management program.

Costing for maintenance and construction improvements required on the road system, is based on "benchmark costs" based on pricing for contracted construction and material costs experienced in 2005.

The material and construction costs are as follows:

Brushing:

Area:

3 metres on either side of riding surface. 2.5 km to enhance visibility and daylight road surface (re: winter control).

Equipment:

Grader/brusher attachment

Cost:

36 hr. @ $100. /hr = $3,600. plus GST and PST
Total cost: $4,140.

Recommendation:

That the Cottage association organize a crew of volunteers to clear out the roadside brush. If large trees have to be removed the Ministry of Natural Resources have to be advised in writing and a stumpage fee paid.

Screening (Limestone)/Recycled asphalt:

Area:

Five locations have been identified (Appendix A) that will require screenings or recycled asphalt.

These hill/sections total approximately 1000 ft. (305 metres) in length will require 200 tonnes of limestone or recycled asphalt.

Cost:

Limestone screening 400 tonnes @ $7.00/ tonne (supply and apply) = $2,800.

Recycled asphalt 400 tonnes @ $20. /tonne (supply and apply) = $8,000.

Recommendation:

That limestone screenings be applied to the hilly areas identified for a cost of $2,800.

Ditching:

Area:

15 areas more than 150 mm have been identified (Appendix A) cutting, cleaning and shaping ditches, improving cut slopes, waste material, loaded and hauled away 3,438 ft. (1050 metres) in length for a total of 1,040 cubic metres.

Cost:

Estimate accomplishment/day – 130 cubic metres
Cost /accomplishment unit - $7.07
1,040 cubic metres x $7.07 = $7,352.80 + GST and PST = Total $8,455.72

Recommendation:

Ditching of areas that have been identified for an approximate cost of $8,455.72.

Culverts:

Area:

1 areas have been identified (Appendix A) that require new installation and replacement of existing culverts 12", 15" and 20" diameter approximately 20' (6 metres) in length for a total length of 232 ft. (70 metres).

Cost:

The average cost per metres of galvanized culverts is approximately $50.00 (GST and PST included). Metres required – 70 metres x $50.00 = $3,500. total cost of culverts including GST and PST.

Installation costs 3 days @ $800. = $2,400. Total

Material costs granular A = 150 tonnes @ $8.85/tonne = $1,327. Total cost including GST and PST.

Recommendation:

Installation/replacement of culverts that have been identified (Appendix A) for a total cost of $7,227. Including GST and PST.

Gravel:

Area:

2.4 km of the travel surface of the road system requires gravel (5/8" crush).

The total quantities of gravel required for 2.4 km based on existing road system is 1,350 tonnes (5/8" crush).

Cost:

1.350 tonnes x $10.57/tonne = $14,269.50 including GST and PST and supply and apply.

Recommendation:

That 1,350 tonnes of gravel (5/8" crush) at a total cost of $14,269.50 be applied to the road surface over a period of 5 years. Annually one inch of gravel is lost due to winter control activities.